

LOCAL HAZARD MITIGATION PLAN – DATA COLLECTION SHEETS

Title of Plan
Clarke County Multi-Jurisdictional Multi-Hazard Mitigation Plan

Jurisdictions Included in Plan	
1. Clarke County	9.
2. City of Murray	10.
3. City of Osceola	11.
4. City of Woodburn	12.
5.	13.
6.	14.
7.	15.
8.	16.

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DESCRIPTION OF SHEETS ATTACHED

- | | |
|--|---|
| 1. Cover Sheet | must complete |
| 2. Proposed Mitigation Measures | complete with available information |
| 3. Completed or In Progress Actions | complete with available information |
| 4. Local Capabilities Example | example for filling out the Local Cap. Sum. |
| 5. Local Capabilities Summary | complete with available information |
| 6. Assessing Vulnerability | complete - one section per hazard |
| 7. Assessing Critical Facilities | complete - one section per hazard |
| 8. Hazard Ranking by Jurisdiction | complete - for each jurisdiction in the plan |
| DATA | do not change - data for drop down lists |

	Jurisdiction	County of Jurisdiction (Select one from list)	Goal	Objectives	Description of Mitigation Measure	Mitigation Measure Category	Hazard Addressed (Select one from list)	Hazard Addressed (Select one from list)	Any Other Hazard Addressed	Funding Source(s)	Estimate Cost	Obstacles to Implementing this Measure
1	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Dispense educational materials to citizens	Public Education and Awareness	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, small grants	\$ 5,000.00	Time to complete and maintain educational materials
2	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Develop continuity of operations plans for each government agency	Prevention	Thunderstorm and Lightning	Tornadoes	Most other hazards	EDA, FEMA, RIO	\$ 10,000.00	Lack of local expertise, local interest varies
3	Murray	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Designate community shelters	Public Education and Awareness	Severe Winter Storms	Energy Failure	Extreme heat	Local, small grants	\$ 500.00	If designated shelters not yet stocked/equipped
4	Murray	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Maintain list of community warming/cooling shelters and inform public about facilities	Public Education and Awareness	Severe Winter Storms	Energy Failure	Extreme heat	Local, small grants	\$ 500.00	Who would maintain food, cots, medical equipment
5	Murray	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Encourage citizen purchase/use of smoke detectors	Public Education and Awareness	Structural Fire			Local, DHS Fire Prev	\$ 1,000.00	Funding and firefighter time for year round event
6	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Update anti-virus software	Prevention	Terrorism	Communications Failure		Local, State, software suppliers	\$ 10,000.00	Expertise at local level to maintain/utilize systems
7	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Establish or improve mobile communications	Emergency Services	Communications Failure	Energy Failure	Most other hazards	Local, DHS, USDA, State	\$ 25,000.00	Local matching funds, ever-changing standards
8	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Improve countywide warning capacities against hazards	Promote NOAA weather radio/rebate program	Public Education and Awareness	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, USDA, FEMA	\$ 50,000.00	Local matching funds, delivery of large quantities
9	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Purchase/install backup power generators at all critical assets	Prevention	Energy Failure	Communications Failure		Local, USDA, FEMA	\$ 15,000.00	Maintenance cost of each generator, local match
10	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Improve, expand training to all first responders, increase # certifications	Emergency Services	Human Disease Incident	Human Disease Pandemic	Many other hazards	Local, CDC, State, small grants	\$ 1,000.00	Difficult to secure the staffing, especially volunteers
11	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire ATVs, fire/rescue vehicles ambulances, and related vehicles and equipment	Emergency Services	Grass or Wild-land Fire	Structural Fire	Most other hazards	Local, FEMA, State, USDA, small grants	\$ 100,000.00	Local matching funds, insurance/maintenance cost
12	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire and maintain warm-weather fire and rescue clothing	Emergency Services	Grass or Wild-land Fire	Structural Fire	Many other hazards	Local, FEMA, USDA, small grants	\$ 25,000.00	Local matching funds, need replaced often
13	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Purchase vehicle extrication equipment	Emergency Services	Highway Transportation Incident	Transportation Hazardous Materials	Some other hazards	Local, FEMA, USDA, small grants	\$ 25,000.00	Local matching funds, vehicles to haul equipment
14	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Construct community safe rooms for critical assets	Structural Projects	Tornadoes	Windstorms	Thunderstorm, lightning	Local, FEMA, small grants	\$ 500,000.00	Lack of public understanding, local match funds
15	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Backup govt/medical files and records electronically-store in alt. locations	Prevention	Structural Failure	Structural Fire	Most other hazards	Local, State, Small grants	\$ 25,000.00	Lack of secure locations for storage, lack of software
16	Murray	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Develop a water conservation plan	Natural Resource Protection	Drought	Windstorms	Several other hazards	Local, State, NRCS, USDA	\$ 10,000.00	Complicated issue: unsure who willing to manage
17	Murray	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Conduct sanitary sewer study	Prevention	Flash Flood	River Flooding		Local, IDNR, IFA, USDA	\$ 15,000.00	Local matching funds, don't want risk of IDNR action
18	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Develop full infrastructure and public services studies	Property Protection	Flash Flood	Structural Failure	Most other hazards	Local, IDNR, DOT, IFA, USDA	\$ 150,000.00	Local matching funds, lack of capital impr plans

19	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Ensure the mitigation plan is reviewed and updated as needed	Assure each jurisdiction annually maintains and updates its plan for 5 years	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, State TA	\$ 500.00	Plan needs buy-in before people will use is regularly
20	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Maintain protocols and exercises for human, animal, and plant disease incidents and pandemics	Prevention	Human Disease Incident	Animal/Crop/Plant Disease	Human disease pandemic	Local, State, CDC, USDA	\$ 2,000.00	Trained med staff limited, ever-changing regulations
21	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Integrate saferoom retrofits into existing critical assets	Structural Projects	Tornadoes	Windstorms	Thunderstorm, lightning	Local, FEMA, small grants	\$ 500,000.00	Lack of public understanding, local match funds
22	Murray	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Promote landscaping practices	Natural Resource Protection	Flash Flood	Windstorms	Many other hazards	Local, Extension, Trees Forever, others	\$ 1,000.00	Lack of interest on private property, maintenance
23	Murray	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Establish tree planting initiatives	Natural Resource Protection	Windstorms	Extreme heat	Many other hazards	Local, Extension, Trees Forever, others	\$ 5,000.00	Lack of interest on private property, maintenance
24	Murray	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Initiate tree trimming and maintenance program for public property	Natural Resource Protection	Windstorms	Severe Winter Storms	Many other hazards	Local, utilities	\$ 10,000.00	Lack of local funding, enforcement on private property
25	Murray	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Develop full inventory of storm water runoff problem areas and monitor them	Property Protection	Flash Flood			Local, State, small grants	\$ 2,000.00	Difficult to monitor numerous areas, local matching funds
26	Murray	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Include prioritized needs and mitigation ideas into budget requests	Engage public officials in the budgeting process to ensure long-term equipment needs are met over multiple budget cycles	Emergency Services	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, outside TA	\$ 500.00	Political bodies serve limited terms, legislation limits
27	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Promote construction of reinforced in-residence tornado safe rooms	Structural Projects	Tornadoes	Windstorms	Structural failure	Local, FEMA, small grants	\$ 50,000.00	Local governments rather stay out of private affairs
28	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Encourage housing codes requiring fire extinguishers in multi-family housing	Property Protection	Structural fire			Local, State TA, FEMA	\$ 5,000.00	Law already provides, but local unsure how to enforce
29	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Educate the public and hold periodic exercises concerning neighborhood saferooms	Public Education and Awareness	Tornadoes	Windstorms	Thunderstorm, lightning	Local, State TA, small grants	\$ 2,000.00	Would work only after a safe room is built
30	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Initiate/continue use of Operation Lifesaver Program	Public Education and Awareness	Highway Transportation Incident	Rail Transportation Incident	Transportation Hazardous Materials	Local, DOT, FHWA, corporate support	\$ 1,000.00	Unsure which schools use/schools not active in plan
31	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Establish Good Neighbor programs for winter storms	Public Education and Awareness	Severe Winter Storms			Local, State TA, small grants	\$ 1,000.00	Relies upon neighbors caring for neighbors
32	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire sanders, graders, and other equipment to enable rapid response and highway safety during and after events	Emergency Services	Severe Winter Storms	Thunderstorm and Lightning	Many other hazards	Local, FEMA, DOT, USDA	\$ 25,000.00	Local matching funds, storage of equipment/vehicles
33	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Establish thermal imaging capacities in local fire depts	Emergency Services	Structural Failure	Grass or Wild-land Fire	Some other hazards	Local, DHS, USDA, small grants	\$ 10,000.00	Local matching funds
34	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Evaluate and, if necessary, improve the protection of tall structures from lightning	Property Protection	Thunderstorm and Lightning	Communications Failure		Local, utilities, USDA, DHS, small grants	\$ 10,000.00	Local matching funds, ownership of tall structures varies
35	Murray	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Update flood maps and develop DFIRMs	Property Protection	River Flooding	Flash Flood	Possible other hazards	Local, FEMA, State TA	\$ 5,000.00	Timing of when FEMA will do local maps, if at all
36	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Provide training and education for property owners and first responders as to building protection	Determine level/type of suppression needed	Property Protection	Structural Fire	Grass or Wild-land Fire	Fixed/Trans Hazardous Materials	Local, FEMA, USDA, small grants	\$ 10,000.00	Equipment changes resulting from study may be costly
37	Murray	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Increase stringency of building codes and add infrastructure to protect against hazards	Install new dry hydrants as needed	Property Protection	Grass or Wild-land Fire	Structural Fire	Possible other hazards	Local, USDA, DNR, small grants	\$ 5,000.00	Finding landowners allowing access could be problem

38	Murray	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Maintain and improve all jurisdictions' participation in NFIP	Property Protection	River Flooding	Flash Flood		Local, FEMA, DNR	\$ 500.00	Local willingness to maintain high level of involvement
39	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Adopt State Fire Codes and provide for inspections	Property Protection	Structural Fire			Local, State TA, small grants	\$ 10,000.00	Perception this is a state issue, fire depts are volunteer
40	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Develop/update/publicize city evacuation plans	Public Education and Awareness	Terrorism	Enemy attack	Some other hazards	Local, State TA, small grants	\$ 5,000.00	Local funding and political will to formalize, practice
41	Murray	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Remove asbestos from schools	Structural Projects	Structural Fire	Human Disease Incident		Local, State, Dept of Ed	\$ 50,000.00	Local funding and cost of testing all remaining facilities
42	Murray	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Prohibit occupiable development in floodplain	Property Protection	River Flooding	Flash Flood		Local, State TA	\$ 10,000.00	Limited floodplain area means lack of political interest
43	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Dispense educational materials to citizens	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, small grants	\$ 5,000.00	Time to complete and maintain educational materials
44	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Develop continuity of operations plans for each government agency	Prevention	Thunderstorm and Lightning	Tornadoes	Most other hazards	EDA, FEMA, RIO	\$ 10,000.00	Lack of local expertise, local interest varies
45	Osceola	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Designate community shelters	Public Education and Awareness	Severe Winter Storms	Energy Failure	Extreme heat	Local, small grants	\$ 500.00	If designated shelters not yet stocked/equipped
46	Osceola	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Maintain list of community warming/cooling shelters and inform public about facilities	Public Education and Awareness	Severe Winter Storms	Energy Failure	Extreme heat	Local, small grants	\$ 500.00	Who would maintain food, cots, medical equipment
47	Osceola	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Encourage citizen purchase/use of smoke detectors	Public Education and Awareness	Structural Fire			Local, DHS Fire Prev	\$ 1,000.00	Funding and firefighter time for year round event
48	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Update anti-virus software	Prevention	Terrorism	Communications Failure		Local, State, software suppliers	\$ 10,000.00	Expertise at local level to maintain/utilize systems
49	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Establish or improve mobile communications	Emergency Services	Communications Failure	Energy Failure	Most other hazards	Local, DHS, USDA, State	\$ 25,000.00	Local matching funds, ever-changing standards
50	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Improve countywide warning capacities against hazards	Promote NOAA weather radio/rebate program	Public Education and Awareness	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, USDA, FEMA	\$ 50,000.00	Local matching funds, delivery of large quantities
51	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Purchase/install backup power generators at all critical assets	Prevention	Energy Failure	Communications Failure		Local, USDA, FEMA	\$ 15,000.00	Maintenance cost of each generator, local match
52	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Improve, expand training to all first responders, increase # certifications	Emergency Services	Human Disease Incident	Human Disease Pandemic	Many other hazards	Local, CDC, State, small grants	\$ 1,000.00	Difficult to secure the staffing, especially volunteers
53	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire ATVs, fire/rescue vehicles ambulances, and related vehicles and equipment	Emergency Services	Grass or Wild-land Fire	Structural Fire	Most other hazards	Local, FEMA, State, USDA, small grants	\$ 100,000.00	Local matching funds, insurance/maintenance cost
54	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire and maintain warm-weather fire and rescue clothing	Emergency Services	Grass or Wild-land Fire	Structural Fire	Many other hazards	Local, FEMA, USDA, small grants	\$ 25,000.00	Local matching funds, need replaced often
55	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Purchase vehicle extrication equipment	Emergency Services	Highway Transportation Incident	Transportation Hazardous Materials	Some other hazards	Local, FEMA, USDA, small grants	\$ 25,000.00	Local matching funds, vehicles to haul equipment

56	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Construct community safe rooms for critical assets	Structural Projects	Tornadoes	Windstorms	Thunderstorm, lightning	Local, FEMA, small grants	\$ 500,000.00	Lack of public understanding, local match funds
57	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Backup govt/medical files and records electronically-store in alt. locations	Prevention	Structural Failure	Structural Fire	Most other hazards	Local, State, Small grants	\$ 25,000.00	Lack of secure locations for storage, lack of software
58	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Develop a water conservation plan	Natural Resource Protection	Drought	Windstorms	Several other hazards	Local, State, NRCS, USDA	\$ 10,000.00	Complicated issue: unsure who willing to manage
59	Osceola	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Conduct sanitary sewer study	Prevention	Flash Flood	River Flooding		Local, IDNR, IFA	\$ 50,000.00	Local matching funds, don't want risk of IDNR action
60	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Develop full infrastructure and public services studies	Property Protection	Flash Flood	Structural Failure	Most other hazards	Local, IDNR, DOT, IFA, USDA	\$ 150,000.00	Local matching funds, lack of capital impr plans
61	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Ensure the mitigation plan is reviewed and updated as needed	Assure each jurisdiction annually maintains and updates its plan for 5 years	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, State TA	\$ 500.00	Plan needs buy-in before people will use is regularly
62	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Maintain protocols and exercises for human, animal, and plant disease incidents and pandemics	Prevention	Human Disease Incident	Animal/Crop/Plant Disease	Human disease pandemic	Local, State, CDC, USDA	\$ 2,000.00	Trained med staff limited, ever-changing regulations
63	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Integrate saferoom retrofits into existing critical assets	Structural Projects	Tornadoes	Windstorms	Thunderstorm, lightning	Local, FEMA, small grants		
64	Osceola	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Promote landscaping practices	Natural Resource Protection	Flash Flood	Windstorms	Many other hazards	Local, Extension, Trees Forever, others	\$ 1,000.00	Lack of interest on private property, maintenance
65	Osceola	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Establish tree planting initiatives	Natural Resource Protection	Windstorms	Extreme heat	Many other hazards	Local, Extension, Trees Forever, others	\$ 5,000.00	Lack of interest on private property, maintenance
66	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Initiate tree trimming and maintenance program for public property	Natural Resource Protection	Windstorms	Severe Winter Storms	Many other hazards	Local, utilities	\$ 10,000.00	Lack of local funding, enforcement on private property
67	Osceola	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Develop full inventory of storm water runoff problem areas and monitor them	Property Protection	Flash Flood			Local, State, small grants	\$ 2,000.00	Difficult to monitor numerous areas, local matching funds
68	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Include prioritized needs and mitigation ideas into budget requests	Engage public officials in the budgeting process to ensure long-term equipment needs are met over multiple budget cycles	Emergency Services	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, outside TA	\$ 500.00	Political bodies serve limited terms, legislation limits
69	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Promote construction of reinforced in-residence tornado safe rooms	Structural Projects	Tornadoes	Windstorms	Structural failure	Local, FEMA, small grants	\$ 50,000.00	Local governments rather stay out of private affairs
70	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Encourage housing codes requiring fire extinguishers in multi-family housing	Property Protection	Structural fire			Local, State TA, FEMA	\$ 5,000.00	Law already provides, but local unsure how to enforce
71	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Educate the public and hold periodic exercises concerning neighborhood saferooms	Public Education and Awareness	Tornadoes	Windstorms	Thunderstorm, lightning	Local, State TA, small grants	\$ 2,000.00	Would work only after a safe room is built
72	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Initiate/continue use of Operation Lifesaver Program	Public Education and Awareness	Highway Transportation Incident	Rail Transportation Incident	Transportation Hazardous Materials	Local, DOT, FHWA, corporate support	\$ 1,000.00	Unsure which schools use/schools not active in plan
73	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Establish Good Neighbor programs for winter storms	Public Education and Awareness	Severe Winter Storms			Local, State TA, small grants	\$ 1,000.00	Relies upon neighbors caring for neighbors
74	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire sanders, graders, and other equipment to enable rapid response and highway safety during and after events	Emergency Services	Severe Winter Storms	Thunderstorm and Lightning	Many other hazards	Local, FEMA, DOT, USDA	\$ 25,000.00	Local matching funds, storage of equipment/vehicles
75	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Establish thermal imaging capacities in local fire depts	Emergency Services	Structural Failure	Grass or Wild-land Fire	Some other hazards	Local, DHS, USDA, small grants	\$ 10,000.00	Local matching funds

76	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Evaluate and, if necessary, improve the protection of tall structures from lightning	Property Protection	Thunderstorm and Lightning	Communications Failure		Local, utilities, USDA, DHS, small grants	\$ 10,000.00	Local matching funds, ownership of tall structures varies
77	Osceola	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Update flood maps and develop DFIRMs	Property Protection	River Flooding	Flash Flood	Possible other hazards	Local, FEMA, State TA	\$ 5,000.00	Timing of when FEMA will do local maps, if at all
78	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Provide training and education for property owners and first responders as to building protection	Determine level/type of suppression needed	Property Protection	Structural Fire	Grass or Wild-land Fire	Fixed/Trans Hazardous Materials	Local, FEMA, USDA, small grants	\$ 10,000.00	Equipment changes resulting from study may be costly
79	Osceola	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Increase stringency of building codes and add infrastructure to protect against hazards	Install new dry hydrants as needed	Property Protection	Grass or Wild-land Fire	Structural Fire	Possible other hazards	Local, USDA, DNR, small grants	\$ 5,000.00	Finding landowners allowing access could be problem
80	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Maintain and improve all jurisdictions' participation in NFIP	Property Protection	River Flooding	Flash Flood		Local, FEMA, DNR	\$ 500.00	Local willingness to maintain high level of involvement
81	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Adopt State Fire Codes and provide for inspections	Property Protection	Structural Fire			Local, State TA, small grants	\$ 10,000.00	Perception this is a state issue, fire depts are volunteer
82	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Develop/update/publicize city evacuation plans	Public Education and Awareness	Terrorism	Energy attack	Some other hazards	Local, State TA, small grants	\$ 5,000.00	Local funding and political will to formalize, practice
83	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Remove asbestos from schools	Structural Projects	Structural Fire	Human Disease Incident		Local, State, Dept of Ed	\$ 50,000.00	Local funding and cost of testing all remaining facilities
84	Osceola	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Prohibit occupiable development in floodplain	Property Protection	River Flooding	Flash Flood		Local, State TA	\$ 10,000.00	Limited floodplain area means lack of political interest
85	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Install riprap to control river shorelines adjacent to critical assets	Property Protection	River Flooding	Flash Flood		Local, CDBG, DNR, USDA, IFA, FEMA	\$ 250,000.00	Environmental impact on waterway
86	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Improve/begin building codes for new construction, rehabilitation, and manufactured homes to resist high winds	Property Protection	Tornadoes	Windstorms	Some other hazards	Local, State and FEMA TA	\$ 10,000.00	Limited interest in this level of zoning and inspections
87	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Encourage adoption of manufactured home building stability and safe room ordinances	Property Protection	Tornadoes	Windstorms	Some other hazards	Local, State, FEMA	\$ 10,000.00	Resistance possible by MH park owners
88	Osceola	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Require buried power lines in new subdivisions	Structural Projects	Energy Failure	Communications Failure	Many other hazards	Local, utilities, FEMA, State	\$ 2,000.00	Utilities companies would have to support over long-term
89	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Investigate alternative water sources for fire suppression	Emergency Services	Grass or Wild-land Fire	Structural Fire	Drought	Local, DNR, USDA, small grants	\$ 50,000.00	Controversy today over acquisition of land for lakes
90	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Expand/upgrade fire stations to meet modern needs for vehicles/training	Emergency Services	Structural Fire	Grass or Wild-land Fire	Many other hazards	Local, USDA, DHS, small grants	\$ 2,000,000.00	Local matching funds
91	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Maintain EOC with 24-hour capability that is able to withstand high wind events and other hazards	Emergency Services	Tornadoes	Windstorms	Most other hazards	Local, DHS, USDA, small grants	\$ 1,000,000.00	Local matching funds, limited ability to find other funds
92	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Install backflow devices where necessary to reduce building flooding	Property Protection	Flash Flood	River Flooding	Expansive Soils	Local, State, USDA, small grants	\$ 2,000.00	Property owner interest, local matching funds
93	Osceola	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Install guardrails where necessary to protect water sources and natural areas from chemical spills along highways	Natural Resource Protection	Transportation Hazardous Materials	Highway Transportation Incident		Local, DOT	\$ 50,000.00	IDOT interest and funding for the project
94	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Build or repair/improve overpasses to reduce intersection accidents and allow access for emergency vehicles	Structural Projects	Highway Transportation Incident	Rail Transportation Incident	Some other hazards	Local, BNSF RR, DOT	\$ 50,000.00	IDOT and RR interest in partnership; studies needed

95	Osceola	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Develop retention ponds near larger industries that can use untreated water	Natural Resource Protection	Drought	Flash flooding	Fires of any type	Local, industries, utilities, DNR, State	\$ 50,000.00	Business owner/landowner support
96	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Develop government data infrastructure to help agencies with hazard mitigation	Develop HAZMAT transportation routes in communities	Property Protection	Transportation Hazardous Materials			Local, State TA, DOT (signs)	\$ 5,000.00	Local matching funds, costs to enforce, NIMBY concern
97	Osceola	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Purchase standby pumps	Property Protection	Flash flood	Energy Failure	Pipeline failure	Local, USDA, FEMA, small grants	\$ 10,000.00	Local matching funds, maintenance
98	Osceola	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Develop a dam failure inundation study and map for each medium or high hazard dam	Property Protection	Dam Failure			Local, Corps of Engr, USDA, DNR, State	\$ 25,000.00	Local funding, local realization that the risk is real
99	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Dispense educational materials to citizens	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, small grants	\$ 5,000.00	Time to complete and maintain educational materials
100	Woodburn	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Develop continuity of operations plans for each government agency	Prevention	Thunderstorm and Lightning	Tornadoes	Most other hazards	EDA, FEMA, RIO	\$ 10,000.00	Lack of local expertise, local interest varies
101	Woodburn	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Encourage citizen purchase/use of smoke detectors	Public Education and Awareness	Structural Fire			Local, DHS Fire Prev	\$ 1,000.00	Funding and firefighter time for year round event
102	Woodburn	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Update anti-virus software	Prevention	Terrorism	Communications Failure		Local, State, software suppliers	\$ 10,000.00	Expertise at local level to maintain/utilize systems
103	Woodburn	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Establish or improve mobile communications	Emergency Services	Communications Failure	Energy Failure	Most other hazards	Local, DHS, USDA, State	\$ 25,000.00	Local matching funds, ever-changing standards
104	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Improve countywide warning capacities against hazards	Promote NOAA weather radio/rebate program	Public Education and Awareness	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, USDA, FEMA	\$ 50,000.00	Local matching funds, delivery of large quantities
105	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Improve, expand training to all first responders, increase # certifications	Emergency Services	Human Disease Incident	Human Disease Pandemic	Many other hazards	Local, CDC, State, small grants	\$ 1,000.00	Difficult to secure the staffing, especially volunteers
106	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire ATVs, fire/rescue vehicles ambulances, and related vehicles and equipment	Emergency Services	Grass or Wild-land Fire	Structural Fire	Most other hazards	Local, FEMA, State, USDA, small grants	\$ 100,000.00	Local matching funds, insurance/maintenance cost
107	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire and maintain warm-weather fire and rescue clothing	Emergency Services	Grass or Wild-land Fire	Structural Fire	Many other hazards	Local, FEMA, USDA, small grants	\$ 25,000.00	Local matching funds, need replaced often
108	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Purchase vehicle extrication equipment	Emergency Services	Highway Transportation Incident	Transportation Hazardous Materials	Some other hazards	Local, FEMA, USDA, small grants	\$ 25,000.00	Local matching funds, vehicles to haul equipment
109	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Construct community safe rooms for critical assets	Structural Projects	Tornadoes	Windstorms	Thunderstorm, lightning	Local, FEMA, small grants	\$ 500,000.00	Lack of public understanding, local match funds
110	Woodburn	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Backup gov't/medical files and records electronically-store in alt. locations	Prevention	Structural Failure	Structural Fire	Most other hazards	Local, State, Small grants	\$ 25,000.00	Lack of secure locations for storage, lack of software
111	Woodburn	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Develop a water conservation plan	Natural Resource Protection	Drought	Windstorms	Several other hazards	Local, State, NRCS, USDA	\$ 10,000.00	Complicated issue: unsure who willing to manage
112	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Develop full infrastructure and public services studies	Property Protection	Flash Flood	Structural Failure	Most other hazards	Local, IDNR, DOT, IFA, USDA	\$ 150,000.00	Local matching funds, lack of capital impr plans
113	Woodburn	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Ensure the mitigation plan is reviewed and updated as needed	Assure each jurisdiction annually maintains and updates its plan for 5 years	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, State TA	\$ 500.00	Plan needs buy-in before people will use is regularly
114	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Maintain protocols and exercises for human, animal, and plant disease incidents and pandemics	Prevention	Human Disease Incident	Animal/Crop/Plant Disease	Human disease pandemic	Local, State, CDC, USDA	\$ 2,000.00	Trained med staff limited, ever-changing regulations

115	Woodburn	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Promote landscaping practices	Natural Resource Protection	Flash Flood	Windstorms	Many other hazards	Local, Extension, Trees Forever, others	\$ 1,000.00	Lack of interest on private property, maintenance
116	Woodburn	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Initiate tree trimming and maintenance program for public property	Natural Resource Protection	Windstorms	Severe Winter Storms	Many other hazards	Local, utilities	\$ 10,000.00	Lack of local funding, enforcement on private property
117	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Promote construction of reinforced in-residence tornado safe rooms	Structural Projects	Tornadoes	Windstorms	Structural failure	Local, FEMA, small grants	\$ 50,000.00	Local governments rather stay out of private affairs
118	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards.	Reduce building vulnerability against hazards	Encourage housing codes requiring fire extinguishers in multi-family housing	Property Protection	Structural fire			Local, State TA, FEMA	\$ 5,000.00	Law already provides, but local unsure how to enforce
119	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Educate the public and hold periodic exercises concerning neighborhood saferooms	Public Education and Awareness	Tornadoes	Windstorms	Thunderstorm, lightning	Local, State TA, small grants	\$ 2,000.00	Would work only after a safe room is built
120	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Establish Good Neighbor programs for winter storms	Public Education and Awareness	Severe Winter Storms			Local, State TA, small grants	\$ 1,000.00	Relies upon neighbors caring for neighbors
121	Woodburn	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Update flood maps and develop DFIRMs	Property Protection	River Flooding	Flash Flood	Possible other hazards	Local, FEMA, State TA	\$ 5,000.00	Timing of when FEMA will do local maps, if at all
122	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards.	Provide training and education for property owners and first responders as to building protection	Determine level/type of suppression needed	Property Protection	Structural Fire	Grass or Wild-land Fire	Fixed/Trans Hazardous Materials	Local, FEMA, USDA, small grants	\$ 10,000.00	Equipment changes resulting from study may be costly
123	Woodburn	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Maintain and improve all jurisdictions' participation in NFIP	Property Protection	River Flooding	Flash Flood		Local, FEMA, DNR	\$ 500.00	Local willingness to maintain high level of involvement
124	Woodburn	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Develop/update/publicize city evacuation plans	Public Education and Awareness	Terrorism	Enemy attack	Some other hazards	Local, State TA, small grants	\$ 5,000.00	Local funding and political will to formalize, practice
125	Woodburn	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Prohibit occupiable development in floodplain	Property Protection	River Flooding	Flash Flood		Local, State TA	\$ 10,000.00	Floodplain area not likely to be developed with homes
126	Rural Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Dispense educational materials to citizens	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, small grants	\$ 5,000.00	Time to complete and maintain educational materials
127	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Develop continuity of operations plans for each government agency	Prevention	Thunderstorm and Lightning	Tornadoes	Most other hazards	EDA, FEMA, RIO	\$ 10,000.00	Lack of local expertise, local interest varies
128	Rural Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Designate community shelters	Public Education and Awareness	Severe Winter Storms	Energy Failure	Extreme heat	Local, small grants	\$ 500.00	If designated shelters not yet stocked/equipped
129	Rural Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Maintain list of community warming/cooling shelters and inform public about facilities	Public Education and Awareness	Severe Winter Storms	Energy Failure	Extreme heat	Local, small grants	\$ 500.00	Who would maintain food, cots, medical equipment
130	Rural Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Encourage citizen purchase/use of smoke detectors	Public Education and Awareness	Structural Fire			Local, DHS Fire Prev	\$ 1,000.00	Funding and firefighter time for year round event
131	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Update anti-virus software	Prevention	Terrorism	Communications Failure		Local, State, software suppliers	\$ 10,000.00	Expertise at local level to maintain/utilize systems
132	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Establish or improve mobile communications	Emergency Services	Communications Failure	Energy Failure	Most other hazards	Local, DHS, USDA, State	\$ 25,000.00	Local matching funds, ever-changing standards

133	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Improve countywide warning capacities against hazards	Promote NOAA weather radio/rebate program	Public Education and Awareness	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, USDA, FEMA	\$ 50,000.00	Local matching funds, delivery of large quantities
134	Rural	Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Purchase/install backup power generators at all critical assets	Prevention	Energy Failure	Communications Failure		Local, USDA, FEMA	\$ 15,000.00	Maintenance cost of each generator, local match
135	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Improve, expand training to all first responders, increase # certifications	Emergency Services	Human Disease Incident	Human Disease Pandemic	Many other hazards	Local, CDC, State, small grants	\$ 1,000.00	Difficult to secure the staffing, especially volunteers
136	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire ATVs, fire/rescue vehicles ambulances, and related vehicles and equipment	Emergency Services	Grass or Wild-land Fire	Structural Fire	Most other hazards	Local, FEMA, State, USDA, small grants	\$ 100,000.00	Local matching funds, insurance/maintenance cost
137	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Construct community safe rooms for critical assets	Structural Projects	Tornadoes	Windstorms	Thunderstorm, lightning	Local, FEMA, small grants	\$ 500,000.00	Lack of public understanding, local match funds
138	Rural	Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Backup govt/medical files and records electronically-store in alt. locations	Prevention	Structural Failure	Structural Fire	Most other hazards	Local, State, Small grants	\$ 25,000.00	Lack of secure locations for storage, lack of software
139	Rural	Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Develop a water conservation plan	Natural Resource Protection	Drought	Windstorms	Several other hazards	Local, State, NRCS, USDA	\$ 10,000.00	Complicated issue: unsure who willing to manage
140	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Develop full infrastructure and public services studies	Property Protection	Flash Flood	Structural Failure	Most other hazards	Local, IDNR, DOT, IFA, USDA	\$ 150,000.00	Local matching funds, lack of capital impr plans
141	Rural	Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Ensure the mitigation plan is reviewed and updated as needed	Assure each jurisdiction annually maintains and updates its plan for 5 years	Prevention	Thunderstorm and Lightning	Tornadoes	All other hazards	Local, State TA	\$ 500.00	Plan needs buy-in before people will use is regularly
142	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Maintain protocols and exercises for human, animal, and plant disease incidents and pandemics	Prevention	Human Disease Incident	Animal/Crop/Plant Disease	Human disease pandemic	Local, State, CDC, USDA	\$ 2,000.00	Trained med staff limited, ever-changing regulations
143	Rural	Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Promote landscaping practices	Natural Resource Protection	Flash Flood	Windstorms	Many other hazards	Local, Extension, Trees Forever, others	\$ 1,000.00	Lack of interest on private property, maintenance
144	Rural	Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Involve the community in high-profile projects	Establish tree planting initiatives	Natural Resource Protection	Windstorms	Extreme heat	Many other hazards	Local, Extension, Trees Forever, others	\$ 5,000.00	Lack of interest on private property, maintenance
145	Rural	Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance continuity of government capabilities	Initiate tree trimming and maintenance program for public property	Natural Resource Protection	Windstorms	Severe Winter Storms	Many other hazards	Local, utilities	\$ 10,000.00	Lack of local funding, enforcement on private property
146	Rural	Clarke	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Develop full inventory of storm water runoff problem areas and monitor them	Property Protection	Flash Flood			Local, State, small grants	\$ 2,000.00	Difficult to monitor numerous areas, local matching funds
147	Rural	Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Include prioritized needs and mitigation ideas into budget requests	Engage public officials in the budgeting process to ensure long-term equipment needs are met over multiple budget cycles	Emergency Services	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local, outside TA	\$ 500.00	Political bodies serve limited terms, legislation limits
148	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Promote construction of reinforced in-residence tornado safe rooms	Structural Projects	Tornadoes	Windstorms	Structural failure	Local, FEMA, small grants	\$ 50,000.00	Local governments rather stay out of private affairs
149	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards.	Reduce building vulnerability against hazards	Encourage housing codes requiring fire extinguishers in multi-family housing	Property Protection	Structural fire			Local, State TA, FEMA	\$ 5,000.00	Law already provides, but local unsure how to enforce
150	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Educate the public and hold periodic exercises concerning neighborhood saferooms	Public Education and Awareness	Tornadoes	Windstorms	Thunderstorm, lightning	Local, State TA, small grants	\$ 2,000.00	Would work only after a safe room is built
151	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Initiate/continue use of Operation Lifesaver Program	Public Education and Awareness	Highway Transportation Incident	Rail Transportation Incident	Transportation Hazardous Materials	Local, DOT, FHWA, corporate support	\$ 1,000.00	Unsure which schools use/schools not active in plan

152	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Establish Good Neighbor programs for winter storms	Public Education and Awareness	Severe Winter Storms				Local, State TA, small grants	\$ 1,000.00	Relies upon neighbors caring for neighbors
153	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Acquire sanders, graders, and other equipment to enable rapid response and highway safety during and after events	Emergency Services	Severe Winter Storms	Thunderstorm and Lightning	Many other hazards		Local, FEMA, DOT, USDA	\$ 25,000.00	Local matching funds, storage of equipment/vehicles
154	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Establish thermal imaging capacities in local fire depts	Emergency Services	Structural Failure	Grass or Wild-land Fire	Some other hazards		Local, DHS, USDA, small grants	\$ 10,000.00	Local matching funds
155	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Evaluate and, if necessary, improve the protection of tall structures from lightning	Property Protection	Thunderstorm and Lightning	Communications Failure			Local, utilities, USDA, DHS, small grants	\$ 10,000.00	Local matching funds, ownership of tall structures varies
156	Rural	Clarke	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Update flood maps and develop DFIRMs	Property Protection	River Flooding	Flash Flood	Possible other hazards		Local, FEMA, State TA	\$ 5,000.00	Timing of when FEMA will do local maps, if at all
157	Rural	Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Maintain and improve all jurisdictions' participation in NFIP	Property Protection	River Flooding	Flash Flood			Local, FEMA, DNR	\$ 500.00	No flood areas mapped, so participation is valueless
158	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Adopt State Fire Codes and provide for inspections	Property Protection	Structural Fire				Local, State TA, small grants	\$ 10,000.00	Perception this is a state issue, fire depts are volunteer
159	Rural	Clarke	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Prohibit occupiable development in floodplain	Property Protection	River Flooding	Flash Flood			Local, State TA	\$ 10,000.00	Floodplain is best farmland so not likely dev area
160	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Install riprap to control river shorelines adjacent to critical assets	Property Protection	River Flooding	Flash Flood			Local, CDBG, DNR, USDA, IFA, FEMA	\$ 250,000.00	Environmental impact on waterway
161	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Improve/begin building codes for new construction, rehabilitation, and manufactured homes to resist high winds	Property Protection	Tornadoes	Windstorms	Some other hazards		Local, State and FEMA TA	\$ 10,000.00	Limited interest in this level of zoning and inspections
162	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Construct shelters and other safe places to go to keep people safe in public areas	Encourage adoption of manufactured home building stability and safe room ordinances	Property Protection	Tornadoes	Windstorms	Some other hazards		Local, State, FEMA	\$ 10,000.00	Resistance possible by MH park owners
163	Rural	Clarke	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Update maps and ordinances and educate the public on development policies that prevent development where it should not be located	Require buried power lines in new subdivisions	Structural Projects	Energy Failure	Communications Failure	Many other hazards		Local, utilities, FEMA, State	\$ 2,000.00	Utilities companies would have to support over long-term
164	Rural	Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Investigate alternative water sources for fire suppression	Emergency Services	Grass or Wild-land Fire	Structural Fire	Drought		Local, DNR USDA, small grants	\$ 50,000.00	Controversy today over acquisition of land for lakes
165	Rural	Clarke	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Install guardrails where necessary to protect water sources and natural areas from chemical spills along highways	Natural Resource Protection	Transportation Hazardous Materials	Highway Transportation Incident			Local, DOT	\$ 50,000.00	IDOT interest and funding for the project
166	Rural	Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Build or repair/improve overpasses to reduce intersection accidents and allow access for emergency vehicles	Structural Projects	Highway Transportation Incident	Rail Transportation Incident	Some other hazards		Local, BNSF RR, DOT	\$ 50,000.00	IDOT and RR interest in partnership; studies needed
167	Rural	Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Develop government data infrastructure to help agencies with hazard mitigation	Develop HAZMAT transportation routes in communities	Property Protection	Transportation Hazardous Materials				Local, State TA, DOT (signs)	\$ 5,000.00	Local matching funds, costs to enforce, NIMBY concern
168	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Develop a dam failure inundation study and map for each medium or high hazard dam	Property Protection	Dam Failure				Local, Corps of Engr, USDA, DNR, State	\$ 25,000.00	Local funding, local realization that the risk is real
169	Rural	Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Improve countywide warning capacities against hazards	Continue with proposed plans for countywide Code Red participation	Public Education and Awareness	Tornadoes	Thunderstorm and Lightning	Most other hazards		Local, SIRWA, small grants	\$ 7,500.00	Local matching funds

170	Rural Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Continue and encourage public participation in storm spotter training	Public Education and Awareness	Tornadoes	Thunderstorm and Lightning	Hailstorms	Local, NWS, small grants	\$ 100.00	People don't see urgency and need to attend course
171	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Develop government data infrastructure to help agencies with hazard mitigation	Maintain list of people on oxygen	Emergency Services	Energy Failure	Structural fires	Communications failure	Local, utilities, small grants	\$ 500.00	HIPPA concern - would have to be voluntary
172	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Develop government data infrastructure to help agencies with hazard mitigation	Include Mutual Aid Compact and 28-E agreements in EOP	Emergency Services	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local in-kind	\$ 100.00	Requires agreements to be updated and in one place
173	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Install repeaters and necessary for county dispatch and in rural areas	Emergency Services	Communications Failure			Local, FEMA, USDA, small grants	\$ 50,000.00	Local matching funds, studies needed to ID locations
174	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Ensure the mitigation plan is reviewed and updated as needed	Review/update the county EOP to include HMP issues/actions	Emergency Services	Thunderstorm and Lightning	Tornadoes	Most other hazards	Local in-kind	\$ 2,500.00	Time of staff to do annual review and updates
175	Rural Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Reduce building vulnerability against hazards	Retrofit or bury existing utility lines	Structural Projects	Energy Failure	Severe Winter Storms	Many other hazards	Local, FEMA, USDA, IUB, utilities	\$ 2,000,000.00	Local matching funds, limited grants compared to need
176	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Use mitigation to improve public services, the environment, and recreation opportunities	Encourage vegetation management on public and private property	Natural Resource Protection	Grass or Wild-land Fire	Flash Flood	Some other hazards	Local, USDA, IDALS, DNR, small grants	\$ 25,000.00	Landowner support, local matching funds
177	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Maintain intra-county roads and bridges and pave streets and roads as needed	Structural Projects	Structural Failure	River Flooding	Many other hazards	Local, DOT, FHWA, FEMA	\$ 100,000.00	Local matching funds, limited grants compared to need
178	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Promote the current infrastructure conditions and the need to improve them	Replace bridges and culverts	Structural Projects	Structural Failure	River Flooding	Many other hazards	Local, DOT, FHWA, FEMA	\$ 25,000.00	Local matching funds, limited grants compared to need
179	Rural Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Increase public awareness of household hazardous materials programs	Public Education and Awareness	Fixed Hazardous Materials	Transportation Hazardous Materials		Local, landfill, DNR	\$ 10,000.00	Program in early stages, could expand notice to public
180	Rural Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of property loss to existing properties due to hazards	Provide training and education for property owners and first responders as to building protection	Promote private insurance purchase	Public Education and Awareness	Structural fire	Hailstorm	Most other hazards	Local, corporate sponsors, small grants	\$ 2,500.00	Local governments rather stay out of private affairs
181	Rural Clarke	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Increase stringency of building codes and add infrastructure to protect against hazards	Add dry hydrants	Emergency Services	Grass or Wild-land Fire	Structural Fire		Local, USDA, State, small grants	\$ 25,000.00	Local matching funds, maintenance
182	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Have fully institutionalized trainings and exercises for all applicable agencies and maintain records at the EMA office	Emergency Services	Grass or Wild-land Fire	Human Disease Pandemic	Most other hazards	Local in-kind, State TA	\$ 1,000.00	Agencies working together over long term
183	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Develop government data infrastructure to help agencies with hazard mitigation	Develop heat recovery plan and provide medical equipment due to extreme heat events	Emergency Services	Extreme heat			Local, IDPH, CDC, small grants	\$ 5,000.00	Local matching funds, storage and care of med equip
184	Rural Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Install new culverts	Structural Projects	Flash flood	River Flooding	Structural failure	Local, State, DOT, FHWA, FEMA	\$ 25,000.00	Local matching funds, limited grants compared to need
185	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Use mitigation to improve public services, the environment, and recreation opportunities	Develop and implement watershed studies and projects	Natural Resource Protection	Flash flood	River Flooding	Drought	Local, State, USDA, small grants	\$ 25,000.00	Local SWCD not active in mitigation plan
186	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Use mitigation to improve public services, the environment, and recreation opportunities	Install buffer strips against rivers/streams to reduce flash flooding	Natural Resource Protection	Flash flood	River Flooding	Drought	Local, State, USDA, small grants	\$ 25,000.00	Local SWCD not active in mitigation plan
187	Rural Clarke	Clarke	Increase Public understanding, support, and demand for hazard mitigation	Provide sustained public information beginning immediately after the plan is approved. Highlight successful early projects.	Educate the public using case studies, tours, and exercises of early mitigation projects arising from the plan	Public Education and Awareness	Tornadoes	Thunderstorm and Lightning	Many other hazards	Local, State TA, FEMA TA, small grants	\$ 1,000.00	Having enough projects done in a timely manner
188	Rural Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Provide education programs and exercises to first responders and general public about hazards that bring risk of fatalities	Develop system to make data available to the public	Public Education and Awareness	Tornadoes	Thunderstorm and Lightning	Most other hazards	Local, State and FEMA TA	\$ 5,000.00	Leadership and staff to start, maintain effort
189	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Enhance cross-agency, intra-county and inter-county communications and partnerships	Establish back-up communications center	Emergency Services	Communications Failure	Energy Failure	Most other hazards	Local, State, FEMA, other Fed	\$ 50,000.00	Good location, maintenance of equipment
190	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Use mitigation to improve public services, the environment, and recreation opportunities	Develop soil stabilization projects of all types	Natural Resource Protection	Flash flood	River Flooding		Local, USDA, DNR, IDALS, small grants	\$ 50,000.00	Local SWCD not active in mitigation plan

191	Rural Clarke	Clarke	Maintain and enhance the ability of each jurisdiction to reduce the risk of fatalities and injuries due to the effects of hazards.	Ensure proper equipment for first responders	Purchase road closure barricades	Emergency Services	Highway Transportation Incident	Transportation Hazardous Materials	Several other hazards	Local, DOT, other Fed	\$ 10,000.00	Storage of equipment, use and sharing concerns/limits
192	Rural Clarke	Clarke	Increase the ability of each jurisdiction to reduce the risk of property loss to future properties due to hazards	Increase stringency of building codes and add infrastructure to protect against hazards	Initiate a tree windbreak buffer program	Structural Projects	Grass or Wild-land Fire	Windstorms	Severe winter storm	Local, DOT, Trees Forever, USDA, small grants	\$ 5,000.00	Enacting in zoning, concerns over private properties
193	Rural Clarke	Clarke	Ensure public funds are used in the most efficient manner in each jurisdiction	Plan for long-term needs and performance	Develop reservoirs/lakes	Structural Projects	Drought	River flood	Extreme heat	Local, DNR, USDA, other Fed	\$20,000,000.00	Opposition by private landowners for taking of land
194	Rural Clarke	Clarke	Improve the quality of life in each jurisdiction	Use mitigation to improve public services, the environment, and recreation opportunities	Post "no dumping" signs and enforce anti-dumping laws	Natural Resource Protection	Grass or Wild-land Fire	Fixed Hazardous Materials	Some other hazards	Local, DNR, DOT	\$ 10,000.00	Would need to study needs; enforcement costs money
195	Rural Clarke	Clarke	Maintain, enhance ability of each jurisdiction to continue operating during and after hazard events	Develop government data infrastructure to help agencies with hazard mitigation	Map past contamination sites from spills and monitor them	Natural Resource Protection	Fixed Hazardous Materials	Transportation Hazardous Materials	Fires of any type	Local, DNR, EPA, State TA	\$ 5,000.00	Lack of local interest and specialty in monitoring

Jurisdiction	County of Jurisdiction (Select one from list)	Completed (C) or in Progress (I) Mitigation Project/Activity Description (Measures that have been identified in the Local Hazard Mitigation Plan, when doing updated plans)	C or I (indicating type of project)	Mitigation Measure Category	Mitigation Measure Completion Date (or Estimated Date) of Completion	Primary Hazard Addressed (Select one from list)	Second Hazard Addressed (Select one from list)	Any Other Hazard Addressed	Funding Sources	Funding Amount	IF Applicable (post disaster): Description of Damages/Losses Avoided (Physical Damage, Economic Loss, Social Impacts)	Estimate Savings due to Avoided Damages/Losses	Describe the method used for calculating/estimating avoided losses	Description of hazard event that avoided losses are measured from	
1	Murray	Clarke	Certain ordinances and plans are in place	C	Property Protection	2009, updated as needed	Flash Flood	Structural Failure	Most other hazards	Local, State TA	\$ 1,000.00	Unknown	Unknown	Unknown	
2	Murray	Clarke	Fire protection in place	C	Emergency Services	On-going	Structural Fire	Fixed Hazardous Materials	Most other hazards	Local, State TA	\$ 20,000.00	Fewer houses burned down, smaller wildfires	\$ 75,000.00	Estimated annual physical losses prevented by fire	Past fire department data on prevented losses
3	Murray	Clarke	Financial support for county water source lake	C	Structural Projects	Pre-2000	Drought	River Flooding	Several other hazards	Local, State, Federal	\$10,000,000.00	Less flooding losses, water available during drought	\$ -	Unknown - mostly economic (industry needs water)	Drought - difficult to measure prevented losses
4	Murray	Clarke	Police protection from county sheriff	C	Emergency Services	On-going	Highway Transportation Incident	Terrorism	Several other hazards	Local, State, Federal	\$ 10,000.00	Fewer crimes committed	\$ -	Unknown - no means to measure at this time	Unknown
5	Murray	Clarke	Warning Siren	C	Public Education and Awareness	Pre-2000	Tornadoes	Thunderstorm and Lightning	Most natural hazards	Local, State, USDA	\$ 15,000.00	People warned of severe weather (50 estimated outdoors)	\$ -	Unknown - city has not had deaths to these hazards	Number of warning sound, number of people outside warned
6	Murray	Clarke	Current in NFIP participation - city mapped	C	Property Protection	Pre-2000 and on-going	River Flooding	Flash Flood		Local, IDNR/FEM A	\$ 500.00	Reduced flooding losses in agricultural area	\$ 1,000.00	Estimate based on land use and size of flood hazard area	Observable effects of flooding in the county
7	Murray	Clarke	Railroad crossings signaled and signed	C	Public Education and Awareness	Pre-2000	Rail Transportation Incident	Highway Transportation Incident	Transportation HAZMAT	Local, DOT, BNSF Railroad	\$ 25,000.00	Fewer rail crossing accidents	\$ -	Unknown - we do not know how many were prevented	Observable effects - people do not cross in front of trains
8	Murray	Clarke	Road graders, sanders available	C	Prevention	On-going purchases	Severe Winter Storms	Highway Transportation Incident	Transportation HAZMAT	Local, DOT	\$ 50,000.00	Fewer accidents due to cleared roads	\$ -	Unknown - no means to know how many accidents prevented	More mobile traffic and generally fewer accidents over time
9	Murray	Clarke	First response EMS services	C	Emergency Services	On-going	Human Disease Incident	Highway Transportation Incident	Most other hazards	Local, IDPH, Federal	\$ 50,000.00	Fewer deaths due to various hazards that cause sickness and injury	\$ -	Unknown - no means to measure at this time	Observable - lives are saved at the scene, maybe a few a year
10	Murray	Clarke	Storm spotter training	C	Public Education and Awareness	Annually	Tornadoes	Thunderstorm and Lightning	Hailstorm	Local, State	\$ 250.00	Fewer deaths and injuries due to people being outside when severe storms strike	\$ -	Unknown - likely reduces people's exposure to storms	Past tornado warnings when people caught outside
11	Osceola	Clarke	Certain ordinances and plans are in place	C	Property Protection	2009, updated as needed	Flash Flood	Structural Failure	Most other hazards	Local, State TA	\$ 1,000.00	Unknown	\$ -	Unknown	Unknown
12	Osceola	Clarke	Fire protection in place	C	Emergency Services	On-going	Structural Fire	Highway Transportation Incident	Most other hazards	Local, State TA	\$ 100,000.00	Fewer houses burned down, smaller wildfires	\$ 250,000.00	Estimated annual physical losses prevented by fire	Past fire department data on prevented losses
13	Osceola	Clarke	Financial support for county water source lake	C	Structural Projects	Pre-2000	Drought	River Flooding	Several other hazards	Local, State, Federal	\$10,000,000.00	Less flooding losses, water available during drought	\$ -	Unknown - mostly economic (industry needs water)	Drought - difficult to measure prevented losses
14	Osceola	Clarke	Police protection	C	Emergency Services	On-going	Highway Transportation Incident	Terrorism	Several other hazards	Local, State, Federal	\$ 150,000.00	Fewer crimes committed	\$ -	Unknown - no means to measure at this time	Unknown
15	Osceola	Clarke	Warning Sirens	C	Public Education and Awareness	Pre-2000	Tornadoes	Thunderstorm and Lightning	Most natural hazards	Local, State, USDA	\$ 75,000.00	People warned of severe weather (250+ estimated outdoors)	\$ -	Unknown - city has not had deaths to these hazards	Number of warning sound, number of people outside warned
16	Osceola	Clarke	Current in NFIP participation - city mapped	C	Property Protection	Pre-2000 and on-going	River Flooding	Flash Flood		Local, IDNR/FEM A	\$ 500.00	Reduced flooding losses in agricultural area	\$ 2,500.00	Estimate based on land use and size of flood hazard area	Observable effects of flooding in the county
17	Osceola	Clarke	Railroad crossings signaled and signed	C	Public Education and Awareness	Pre-2000	Rail Transportation Incident	Highway Transportation Incident	Transportation HAZMAT	Local, DOT, BNSF Railroad	\$ 25,000.00	Fewer rail crossing accidents	\$ -	Unknown - we do not know how many were prevented	Observable effects - people do not cross in front of trains
18	Osceola	Clarke	Road graders, sanders available	C	Prevention	On-going purchases	Severe Winter Storms	Highway Transportation Incident	Transportation HAZMAT	Local, DOT	\$ 200,000.00	Fewer accidents due to cleared roads	\$ -	Unknown - no means to know how many accidents prevented	More mobile traffic and generally fewer accidents over time
19	Osceola	Clarke	Road closure barricades	C	Prevention	Pre-2000 and on-going	Highway Transportation Incident	Transportation Hazardous Materials		Local, DOT	\$ 10,000.00	Safer transportation routes near accident scenes	\$ -	Unknown - no means to know how many accidents prevented	Reports from other areas of accidents near emergency scenes
20	Osceola	Clarke	First response EMS services - hospital in town	C	Emergency Services	On-going	Human Disease Incident	Highway Transportation Incident	Most other hazards	Local, IDPH, Federal	\$ 250,000.00	Fewer deaths due to various hazards that cause sickness and injury	\$ -	Unknown - no means to measure at this time	Observable - lives are saved at the scene, maybe a few a year
21	Osceola	Clarke	Storm spotter training	C	Public Education and Awareness	Annually	Tornadoes	Thunderstorm and Lightning	Hailstorm	Local, State	\$ 250.00	Fewer deaths and injuries due to people being outside when severe storms strike	\$ -	Unknown - likely reduces people's exposure to storms	Past tornado warnings when people caught outside
22	Woodburn	Clarke	Certain ordinances and plans are in place	C	Property Protection	2009, updated as needed	Flash Flood	Structural Failure	Most other hazards	Local, State TA	\$ 1,000.00	Unknown	\$ -	Unknown	Unknown
23	Woodburn	Clarke	Fire protection in place	C	Emergency Services	On-going	Structural Fire	Highway Transportation Incident	Most other hazards	Local, State TA	\$ 20,000.00	Fewer houses burned down, crime reduced	\$ 50,000.00	Estimated annual physical losses prevented by police and fire	Past fire department data on prevented losses
24	Woodburn	Clarke	Financial support for county water source lake	C	Structural Projects	Pre-2000	Drought	River Flooding	Several other hazards	Local, State, Federal	\$10,000,000.00	Less flooding losses, water available during drought	\$ -	Unknown - mostly economic (industry needs water)	Drought - difficult to measure prevented losses
25	Woodburn	Clarke	Police protection from county sheriff	C	Emergency Services	On-going	Highway Transportation Incident	Terrorism	Several other hazards	Local, State, Federal	\$ 7,500.00	Fewer crimes committed	\$ -	Unknown - no means to measure at this time	Unknown
26	Woodburn	Clarke	Warning Siren	C	Public Education and Awareness	Pre-2000	Tornadoes	Thunderstorm and Lightning	Most natural hazards	Local, State, USDA	\$ 15,000.00	People warned of severe weather (15 estimated outdoors)	\$ -	Unknown - city has not had deaths to these hazards	Number of warning sound, number of people outside warned
27	Woodburn	Clarke	Current in NFIP participation - city mapped	C	Property Protection	Pre-2000 and on-going	River Flooding	Flash Flood		Local, IDNR/FEM A	\$ 500.00	Reduced flooding losses in agricultural area	\$ 15,000.00	Estimate based on land use and size of flood hazard area	Observable effects of flooding in the county
28	Woodburn	Clarke	Railroad crossings signaled and signed	C	Public Education and Awareness	Pre-2000	Rail Transportation Incident	Highway Transportation Incident	Transportation HAZMAT	Local, DOT, BNSF Railroad	\$ 25,000.00	Fewer rail crossing accidents	\$ -	Unknown - we do not know how many were prevented	Observable effects - people do not cross in front of trains
29	Woodburn	Clarke	Road graders, sanders available	C	Prevention	On-going purchases	Severe Winter Storms	Highway Transportation Incident	Transportation HAZMAT	Local, DOT	\$ 50,000.00	Fewer accidents due to cleared roads	\$ -	Unknown - no means to know how many accidents prevented	More mobile traffic and generally fewer accidents over time

30	Woodburn	Clarke	First response EMS services	C	Emergency Services	On-going	Human Disease Incident	Highway Transportation Incident	Most other hazards	Local, IDPH, Federal	\$ 50,000.00	Fewer deaths due to various hazards that cause sickness and injury	\$ -	Unknown - no means to measure at this time	Observable - lives are saved at the scene, maybe a few a year
31	Woodburn	Clarke	Storm spotter training	C	Public Education and Awareness	Annually	Tornadoes	Thunderstorm and Lightning	Hailstorm	Local, State	\$ 250.00	Fewer deaths and injuries due to people being outside when severe storms strike	\$ -	Unknown - likely reduces people's exposure to storms	Past tornado warnings when people caught outside
32	Rural County	Clarke	Certain ordinances and plans are in place	C	Property Protection	2009, updated as needed	Flash Flood	Structural Failure	Most other hazards	Local, State TA	\$ 1,000.00	Unknown	\$ -	Unknown	Unknown
33	Rural County	Clarke	Fire protection in place	C	Emergency Services	On-going	Structural Fire	Highway Transportation Incident	Most other hazards	Local, State TA	\$ 200,000.00	Fewer houses burned down, crime reduced	\$ 250,000.00	Estimated annual physical losses prevented by police and fire	Past fire department data on prevented losses
34	Rural County	Clarke	Financial support for county water source lake	C	Structural Projects	Pre-2000	Drought	River Flooding	Several other hazards	Local, State, Federal	\$10,000,000.00	Less flooding losses, water available during drought	\$ -	Unknown - mostly economic (industry needs water)	Drought - difficult to measure prevented losses
35	Rural County	Clarke	Police protection from county sheriff	C	Emergency Services	On-going	Highway Transportation Incident	Terrorism	Several other hazards	Local, State, Federal	\$ 250,000.00	Fewer crimes committed	\$ -	Unknown - no means to measure at this time	Unknown
36	Rural County	Clarke	No dumping signs	C	Natural Resource Protection	On-going	Human Disease Incident	Animal Disease Incident	Human Disease Pandemic	Local, IDNR	\$ 5,000.00	Reduced dumping that enters soil and water	\$ -	Unknown - dumping may be reduced but not sure how it affects human and animal health in a quantitative manner	Reports of dumping found by county officials
37	Rural County	Clarke	Railroad crossings signaled and signed	C	Public Education and Awareness	Pre-2000	Rail Transportation Incident	Highway Transportation Incident	Transportation HAZMAT	Local, DOT, BNSF Railroad	\$ 25,000.00	Fewer rail crossing accidents	\$ -	Unknown - we do not know how many were prevented	Observable effects - people do not cross in front of trains
38	Rural County	Clarke	Road graders, sanders available	C	Prevention	On-going purchases	Severe Winter Storms	Highway Transportation Incident	Transportation HAZMAT	Local, DOT	\$ 200,000.00	Fewer accidents due to cleared roads	\$ -	Unknown - no means to know how many accidents prevented	More mobile traffic and generally fewer accidents over time
39	Rural County	Clarke	Road closure barricades	C	Prevention	Pre-2000 and on-going	Highway Transportation Incident	Transportation Hazardous Materials		Local, DOT	\$ 10,000.00	Safer transportation routes near accident scenes	\$ -	Unknown - no means to know how many accidents prevented	Reports from other areas of accidents near emergency scenes
40	Rural County	Clarke	County public health and animal/crop health	C	Prevention	Pre-2000 and on-going	Human Disease Incident	Human Disease Pandemic	Animal/Crop Plant Disease	Local, IDPH, CDC	\$ 150,000.00	Reduced disease incidents due to prevention and response measures	\$ -	Unknown - no means to measure at this time	Statewide and county public health data and reports provide insight
41	Rural County	Clarke	First response EMS services	C	Emergency Services	On-going	Human Disease Incident	Highway Transportation Incident	Most other hazards	Local, IDPH, Federal	\$ 100,000.00	Fewer deaths due to various hazards that cause sickness and injury	\$ -	Unknown - no means to measure at this time	Observable - lives are saved at the scene, maybe a few a year
42	Rural County	Clarke	Storm spotter training	C	Public Education and Awareness	Annually	Tornadoes	Thunderstorm and Lightning	Hailstorm	Local, State	\$ 250.00	Fewer deaths and injuries due to people being outside when severe storms strike	\$ -	Unknown - likely reduces people's exposure to storms	Past tornado warnings when people caught outside

The above is a summary and is not all-inclusive.

DOCUMENTATION OF THE PLANNING PROCESS

(This relates directly to FEMA requirement §201.6(b) (3) Review and incorporation, if appropriate, of existing plans, reports, and technical information)

CAPABILITIES	COMMUNITIES	Method of incorporation into plan	Community	Method of incorporation into plan	Community	Method of incorporation into plan	Community	Method of incorporation into plan
Planning Capabilities	Clarke County		City of Murray		City of Osceola		City of Woodburn	
Comprehensive Plan	Yes - 1992	It is outdated and has little value	No		Yes - 2001	Reviewed for dev plans and goals	No	
Builder's Plan	No		No		No		No	
Capital Improvement Plan	Yes	Discussed at planning meeting	No		Partial	Revised for infrastructure plans	No	
Local Emergency Plan	No		No		No		No	
County Emergency Plan	Yes - 2007	Protocols discussed in actions section	Yes - 2007	Protocols discussed in actions section	Yes - 2007	Protocols discussed in actions section	Yes - 2007	Protocols discussed in actions section
Local Recovery Plan	No		No		No		No	
County Recovery Plan	Yes	Part C of EOP	Yes	Part C of EOP	Yes	Part C of EOP	Yes	Part C of EOP
Local Mitigation Plan	No		No		No		No	
County Mitigation Plan	Yes	Reviewed to compare with current HARA	Yes	Reviewed to compare with current HARA	Yes	Reviewed to compare with current HARA	Yes	Reviewed to compare with current HARA
Local Mitigation Plan (PDM)	No		No		No		No	
County Mitigation Plan (PDM)	No		No		No		No	
Economic Development Plan	Yes	Revised for economic data and goals	Yes	Revised for economic data and goals	Yes	Revised for economic data and goals	Yes	Revised for economic data and goals
Transportation Plan	Yes	Revised for transportation data and goals	Yes	Revised for transportation data and goals	Yes	Revised for transportation data and goals	Yes	Revised for transportation data and goals
Land-use Plan	Yes	Part of comprehensive plan - reviewed	No		Yes	Part of comprehensive plan - reviewed	No	
Flood Mitigation Assistance (FMA) Plan	No		No		No		No	
Watershed Plan	Yes	Limited to very small areas, reviewed	No		No		No	
Firewise or other fire mitigation plan	No		No		No		No	
School Mitigation Plan	No		No		No		No	
Critical Facilities Plan (Mitigation/Response/Recovery)	Yes	Revised when accessible	Yes	Revised when accessible	Yes	Revised when accessible	Yes	Revised when accessible
Policies/Ordinance								
Zoning Ordinance	Yes	Reviewed	No		Yes	Reviewed	No	
Building Code	No	Relies upon state code	No	Relies upon state code	No	Relies upon state code	No	Relies upon state code
Floodplain Ordinance	No		No		Yes	Reviewed FIRM and ordinance	Yes	Reviewed FIRM and ordinance
Subdivision Ordinance	Yes	Did not review	No		Yes	Did not review	No	
Tree Trimming Ordinance	Yes	Did not review	Yes	Did not review	Yes	Did not review	Yes	Did not review
Nuisance Ordinance	Yes	Did not review	Yes	Did not review	Yes	Did not review	Yes	Did not review
Storm Water Ordinance	Yes	Did not review	No		Yes	Did not review	No	
Drainage Ordinance	No		No		No		No	
Site Plan Review Requirements	Unknown		Unknown		Unknown		Unknown	

Historic Preservation Ordinance	Yes	Did not review - very limited	No		Yes	Did not review - very limited	No	
Landscape Ordinance	Yes	Part of zoning - did not review	No		No		No	
Iowa Wetlands and Riparian Areas Conservation Plan	Partial	No plan, but NRCS does activities	No		No		No	
Debris Management Plan Program	Unknown		Unknown		Unknown		Unknown	
Zoning/Land Use Restrictions	Yes	Reviewed for impact on mitigation actions	No		Yes	Reviewed for impact on mitigation actions	No	
Codes Building Site/Design	Yes	P/Z Commission approxes site plan	No		Yes	P/Z Commission approxes site plan	No	
National Flood Insurance Program (NFIP) Participant - Nondelegated	No		No		No		No	
NFIP Participant - Delegated	No		No		No		No	
NFIP Community Rating System (CRS) Participating Community	No		No		No		No	
Hazard Awareness Program	No		No		No		No	
National Weather Service (NWS) Storm Ready	No		No		No		No	
Building Code Effectiveness Grading (BCEGs)	No		No		No		No	
ISO Fire Rating	Yes	Fire department did not provide	Yes	Fire department did not provide	Yes	Fire department did not provide	Yes	Fire department did not provide
Economic Development Program	Yes	Reviwed plans and talked to director	Yes	Reviwed plans and talked to director	Yes	Reviwed plans and talked to director	Yes	Reviwed plans and talked to director
Land Use Program	No		No		No		No	
Public Education/Awareness	Yes	Talked to EMC and local print media	Yes	Talked to EMC and local print media	Yes	Talked to EMC and local print media	Yes	Talked to EMC and local print media
Property Acquisition	No		No		No		No	
Planning/Zoning Boards	Yes	Reviewed documents from board for plan	No		Yes	Reviewed documents from board for plan	No	
Stream Maintenance Program	No		No					
Tree Trimming Program	Yes	Via energy companies - talked to them	Yes	Via energy companies - talked to them	Yes	Via energy companies - talked to them	Yes	Via energy companies - talked to them
Engineering Studies for Streams (Local/County/Regional)	No		No		No		No	
Mutual Aid Agreements	Yes	Reviewed	Yes	Reviewed	Yes	Reviewed	Yes	Reviewed
Studies/Reports/Maps								
Hazard Analysis/Risk Assessment (Local)	No		No		No		No	
Hazard Analysis/Risk Assessment (County)	Yes	Reviewed to compare with current HARA	No		No		No	
Flood Insurance Maps	No		No		Yes	Reviewed and mapped in plan	Yes	Reviewed and mapped in plan

FEMA Flood Insurance Study (Detailed)	No		No		Yes	Not accessed - outdated	Yes	Not accessed - outdated
Evacuation Route Map	Yes	For courthouse only - did not incorporate	Unknown		Unknown		Unknown	
Critical Facilities Inventory	No		No		No		No	
Vulnerable Population Inventory	Yes	Discussed at planning meeting						
Land Use Map	Yes	Reviewed	No		Yes	Reviewed	No	
Staff/Department								
Building Code Official	No		No		No			
Building Inspector	No		No		No			
Mapping Specialist (GIS)	Yes	Contracted - contacted for shape files	No					
Engineer	Yes	Received maps - engineer part of team	Yes	Received maps - engineer part of team	Yes	Received maps - engineer part of team	Yes	Received maps - engineer part of team
Development Planner	Yes	Part of planning team						
Public Works Official	Yes	Secondary roads - part of planning team	Yes	City rep - part of planning team	Yes	Part of planning team	No	
Emergency Management Coordinator	Yes	Lead planning team						
NFIP Floodplain Administrator	No		No		No		No	
Bomb and/or Arson Squad	No		No		No			
Emergency Response Team	Yes	Part of planning team	Yes	Part of planning team	Yes	Part of planning team	Yes	Part of planning team
Hazardous Materials Expert	Contracted	Discussed arrangement for operations level						
Local Emergency Planning Committee	Yes	Part of planning team						
County Emergency Management Commission	Yes	Part of planning team						
Sanitation Department	Yes	Learned of sanitation issues	No		No		No	
Transportation Department	Yes	Part of planning team	No		Yes	Invited to be part of planning team	No	
Economic Development Department	Yes	Part of planning team	No		No		No	
Housing Department	No		No		No		No	
Planning Consultant	Yes	Hired to do mitigation plan						
Regional Planning Agencies	Yes	Hired to do mitigation plan						
Historic Preservation	Volunteers	Not incorporated						
Non-Governmental Organizations (NGOs)								
American Red Cross	No		No		No		No	
Salvation Army	No		No		No		No	
Veterans Groups	Yes	Not engaged	No		Yes	Not engaged	No	
Environmental Organization	Yes	Not engaged	No		No		No	
Utility Companies	Yes	Part of planning team	No		Yes	Part of planning team	No	

Homeowner Associations	No		No		No		No	
Neighborhood Associations	No		No		Yes	Not engaged	No	
Chamber of Commerce	No		No		Yes	Not engaged	No	
Community Organizations (Lions, Kiwanis, etc.)	Yes	Not engaged	Yes	Not engaged	Yes	Not engaged	No	
Other								
Local Funding Availability	Yes	Reviewed, recorded, and commented						
Churches	Yes	Discussed - they donate to causes	Yes	Discussed - they donate to causes	Yes	Discussed - they donate to causes	Yes	Discussed - they donate to causes

Assessing Vulnerability

Some hazards have different vulnerability areas, (i.e. the entire jurisdiction for tornadoes and only flood zone for river flooding.) A separate table should be filled out for each hazard if the area of vulnerability is different.

Hazard: Hazards that Affect all of Clarke County

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	338	100%	\$ 14.2 M	\$ 14.2 M	100%	408	408	100%
Commercial	10	10	100%	\$ 1 M	\$ 1 M	100%	50	50	100%
Industrial	1	1	100%	\$ 0.4 M	\$ 0.4 M	100%	25	25	100%
Ag Structures	2	2	100%	\$53,000	\$53,000	100%	2	2	100%
Ag Land	249 ac	249 ac	100%	\$ 0.1 M	\$ 0.1 M	100%	--	--	--
Religious/ Non-profit	5	5	100%	\$ 1 M	\$ 1 M	100%	5	5	100%
Government	2	2	100%	\$ 2 M	\$ 2 M	100%	10	10	100%
Education	1	1	100%	\$ 5 M	\$ 5 M	100%	250	250	100%
Utilities	1	1	100%	\$ 0.5 M	\$ 0.5 M	100%	0	0	100%
Total	360	360	100%	\$24.25 M	\$24.25 M	100%	750	750	100%

M = Million

Hazards that affect all areas include: drought, earthquake, expansive soils, extreme heat, hailstorm, severe winter storm, thunderstorm and lightning, tornado, windstorm, air transportation incident, any disease events, communications failure, enemy attack, energy failure, and most forms of terrorism.

Hazard: Hazards that Affect all of Clarke County

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	2,118	100%	\$139.4 M	\$139.4 M	100%	2,500	2,500	100%
Commercial	225	225	100%	\$ 70.4 M	\$ 70.4 M	100%	1,300	1,300	100%
Industrial	19	19	100%	\$ 24.9 M	\$ 24.9 M	100%	1,225	1,225	100%
Ag Structures	4	4	100%	\$ 0.2 M	\$ 0.2 M	100%	2	2	100%
Ag Land	488 ac	488 ac	100%	\$546,000	\$546,000	100%	--	--	--
Religious/ Non-profit	30	30	100%	\$ 32 M	\$ 32 M	100%	475	475	100%
Government	40	40	100%	\$ 75 M	\$ 75 M	100%	486	486	100%
Education	3	3	100%	\$ 15 M	\$ 15 M	100%	1,250	1,250	100%
Utilities	5	5	100%	\$ 3.3 M	\$ 3.3 M	100%	10	10	100%
Total	2,444	2,444	100%	\$360.75M	360.75M	100%	7,248	7,248	100%

Hazard: Hazards that Affect all of Clarke County

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	99	100%	\$ 2.4 M	\$ 2.4 M	100%	130	130	100%
Commercial	5	5	100%	\$ 0.3 M	\$ 0.3 M	100%	15	15	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	228 ac	100%	\$74,000	\$74,000	100%	--	--	--
Religious/ Non-profit	3	3	100%	\$ 0.3 M	\$ 0.3 M	100%	3	3	100%
Government	2	2	100%	\$ 0.3 M	\$ 0.3 M	100%	1	1	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	1	100%	\$ 0.1 M	\$ 0.1 M	100%	0	0	100%
Total	110	110	100%	\$3.47 M	\$3.47 M	100%	149	149	100%

Hazard: Hazards that Affect all of Clarke County

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	1,379	100%	\$130.7 M	\$130.7 M	100%	1,602	1,602	100%
Commercial	10	10	100%	\$ 2.8 M	\$ 2.8 M	100%	135	135	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	194	100%	\$ 9.75 M	\$ 9.75 M	100%	96	96	100%
Ag Land	249,035 ac	249,035 ac	100%	\$85.18 M	\$85.18 M	100%	--	--	--
Religious/ Non-profit	2	2	100%	\$ 1.7 M	\$ 1.7 M	100%	17	17	100%
Government	6	6	100%	\$ 7.7 M	\$ 7.7 M	100%	3	3	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	3	100%	\$ 5.4 M	\$ 5.4 M	100%	0	0	100%
Total	1,594	1,594	100%	\$243.23M	\$243.23M	100%	1,853	1,853	100%

Hazard: Hazards that Affect all of Clarke County

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	3,934	100%	\$286.7 M	\$286.7 M	100%	4,640	4,640	100%
Commercial	250	250	100%	\$ 74.5 M	\$ 74.5 M	100%	1,500	1,500	100%
Industrial	20	20	100%	\$ 25.3 M	\$ 25.3 M	100%	1,250	1,250	100%
Ag Structures	200	200	100%	\$ 10 M	\$ 10 M	100%	100	100	100%
Ag Land	250,000 ac	250,000 ac	100%	\$ 85.9 M	\$ 85.9 M	100%	--	--	--
Religious/ Non-profit	40	40	100%	\$ 35 M	\$ 35 M	100%	500	500	100%
Government	50	50	100%	\$ 85 M	\$ 85 M	100%	500	500	100%
Education	4	4	100%	\$ 20 M	\$ 20 M	100%	1,500	1,500	100%
Utilities	10	10	100%	\$ 9.3 M	\$ 9.3 M	100%	10	10	100%
Total	4,508	4,508	100%	\$631.7 M	\$631.7 M	100%	10,000	10,000	100%

Hazard: Dam Failure

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	0	0%	\$139.4 M	\$0	0%	2,500	5	0.20%
Commercial	225	1	0.40%	\$ 70.4 M	\$ 5 M	7.10%	1,300	250	19.20%
Industrial	19	0	0%	\$ 24.9 M	\$0	0%	1,225	0	0%
Ag Structures	4	0	0%	\$ 0.2 M	\$0	0%	2	0	0%
Ag Land	488 ac	50 ac	10.20%	\$546,000	\$55,692	10.20%	--	--	--
Religious/ Non-profit	30	0	0%	\$ 32 M	\$0	0%	475	0	0%
Government	40	2	5%	\$ 75 M	\$ 9 M	12%	486	2	0.40%
Education	3	0	0%	\$ 15 M	\$0	0%	1,250	0	0%
Utilities	5	0	0%	\$ 3.3 M	\$ 0.1 M	3.00%	10	0	0%
Total	2,444	3	0.10%	\$360.75M	\$14.16 M	3.90%	7,248	257	3.50%

Hazard: Dam Failure

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	2	0.10%	\$130.7 M	\$ 0.2 M	0.20%	1,602	15	0.90%
Commercial	10	0	0%	\$ 2.8 M	\$0	0%	135	0	0%
Industrial	0	0	0%	\$0	\$0	0%	0	0	0%
Ag Structures	194	1	0.50%	\$ 9.75 M	\$ 1.0 M	0%	96	1	1.00%
Ag Land	249,035 ac	10,000 ac	4.00%	\$85.18 M	\$ 3.4 M	4.00%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	0	0%	\$ 7.7 M	\$0	0%	3	0	0%
Education	0	0	0%	\$0	\$0	0%	0	0	0%
Utilities	3	0	0%	\$ 5.4 M	\$ 0.4 M	7.40%	0	0	0%
Total	1,594	3	0.20%	\$243.23M	\$ 4.1 M	1.70%	1,853	16	0.90%

Hazard: Dam Failure

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	2	0.10%	\$286.7 M	\$ 0.2 M	0.10%	4,640	20	0.40%
Commercial	250	1	0.40%	\$ 74.5 M	\$ 5 M	6.70%	1,500	250	16.70%
Industrial	20	0	0%	\$ 25.3 M	\$0	0%	1,250	0	0%
Ag Structures	200	1	0.50%	\$ 10 M	\$ 0.1 M	1.00%	100	1	1.00%
Ag Land	250,000 ac	10,050 ac	4.00%	\$ 85.9 M	\$ 3.5 M	4.10%	--	--	--
Religious/ Non-profit	40	0	0%	\$ 35 M	\$0	0%	500	0	0%
Government	50	2	4%	\$ 85 M	\$ 9 M	11.80%	500	2	0.40%
Education	4	0	0%	\$ 20 M	\$0	0%	1,500	0	0%
Utilities	10	0	0%	\$ 9.3 M	\$ 0.5 M	5.40%	10	10	0%
Total	4,508	5	0.10%	\$631.7 M	\$ 18.3 M	2.90%	10,000	273	2.70%

Hazard: Flash Flooding

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	100	29.60%	\$ 14.2 M	\$ 4.5 M	31.70%	408	121	29.60%
Commercial	10	5	50%	\$ 1 M	\$ 0.5 M	50%	50	25	50%
Industrial	1	1	100%	\$ 0.4 M	\$ 0.4 M	100%	25	25	100%
Ag Structures	2	2	100%	\$53,000	\$53,000	100%	2	2	100%
Ag Land	249 ac	100 ac	40%	\$ 0.1 M	\$40,000	40%	--	--	--
Religious/ Non-profit	5	2	40%	\$ 1 M	\$ 0.4 M	40%	5	2	40%
Government	2	0	0%	\$ 2 M	\$0	0%	10	0	0%

Education	1	1	100%	\$ 5 M	\$ 5 M	100%	250	250	100%
Utilities	1	0	100%	\$ 0.5 M	\$0	0%	0	0	0%
Total	360	111	30.80%	\$24.25 M	\$ 10.89 M	44.90%	750	425	56.70%

Hazard: Flash Flooding

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	1,059	50%	\$139.4 M	\$ 69.7 M	50%	2,500	1,250	50%
Commercial	225	200	88.90%	\$ 70.4 M	\$ 63.0 M	89.50%	1,300	1,200	92.30%
Industrial	19	19	100%	\$ 24.9 M	\$ 24.9 M	100%	1,225	1,225	100%
Ag Structures	4	2	50%	\$ 0.2 M	\$ 0.1 M	50%	2	1	50%
Ag Land	488 ac	200 ac	41%	\$546,000	\$250,000	45.80%	--	--	--
Religious/ Non-profit	30	25	83%	\$ 32 M	\$ 29 M	90.60%	475	400	84.20%
Government	40	30	75%	\$ 75 M	\$ 70 M	93.30%	486	400	82.30%
Education	3	3	100%	\$ 15 M	\$ 15 M	100%	1,250	1,250	100%
Utilities	5	3	60%	\$ 3.3 M	\$ 2.5 M	75.80%	10	8	80%
Total	2,444	1,341	54.90%	\$360.75M	\$273.95M	75.90%	7,248	5,734	79.10%

Hazard: Flash Flooding

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	75	75.80%	\$ 2.4 M	\$ 1.7 M	70.80%	130	95	73.10%
Commercial	5	5	100%	\$ 0.3 M	\$ 0.3 M	100%	15	15	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	150 ac	65.80%	\$74,000	\$50,000	67.60%	--	--	--
Religious/ Non-profit	3	2	66.70%	\$ 0.3 M	\$ 0.2 M	66.70%	3	2	66.70%
Government	2	2	100%	\$ 0.3 M	\$ 0.3 M	100%	1	1	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	0	100%	\$ 0.1 M	\$0	0%	0	0	100%
Total	110	84	76.40%	\$ 3.47 M	\$ 2.55 M	73.50%	149	113	75.80%

Hazard: Flash Flooding

Area of vulnerability:

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	500	36.30%	\$130.7 M	\$ 47.4 M	36.30%	1,602	600	37.50%
Commercial	10	3	30.00%	\$ 2.8 M	\$ 0.8 M	28.60%	135	40	29.60%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	75	38.70%	\$ 9.75 M	\$ 3.8 M	39.00%	96	36	37.50%
Ag Land	249,035 ac	25,000 ac	10.00%	\$ 85.18 M	\$ 8.5 M	10.00%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	0	0%	\$ 7.7 M	\$0	0%	3	0	0%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	0	0%	\$ 5.4 M	\$0	0%	0	0	100%
Total	1,594	578	36.30%	\$243.23M	\$ 60.5M	24.90%	1,853	676	36.50%

Hazard: Flash Flooding

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	1,734	44.10%	\$286.7 M	\$123.3 M	43%	4,640	2,066	44.50%
Commercial	250	213	85.20%	\$ 74.5 M	\$ 64.6 M	86.70%	1,500	1,280	85.30%
Industrial	20	20	100%	\$ 25.3 M	\$ 25.3 M	100%	1,250	1,250	100%
Ag Structures	200	79	39.50%	\$ 10 M	\$ 3.95 M	39.50%	100	39	39%
Ag Land	250,000 ac	25,450 ac	10.10%	\$ 85.9 M	\$ 8.84 M	10.30%	--	--	--
Religious/ Non-profit	40	29	72.50%	\$ 35 M	\$ 29.6 M	84.60%	500	404	80.80%
Government	50	32	64.00%	\$ 85 M	\$ 70.3 M	82.70%	500	401	80.20%
Education	4	4	100%	\$ 20 M	\$ 20 M	100%	1,500	1,500	100%
Utilities	10	3	30%	\$ 9.3 M	\$ 2.5 M	2.70%	10	8	80%
Total	4,508	2,114	46.90%	\$631.7 M	\$348.39M	55.20%	10,000	6,948	69.50%

Hazard: Grass and Wildland Fire

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area

Residential	338	10	3%	\$ 14.2 M	\$ 0.8 M	5.60%	408	12	2.90%
Commercial	10	2	20%	\$ 1 M	\$ 0.2 M	20%	50	10	20%
Industrial	1	1	100%	\$ 0.4 M	\$ 0.4 M	100%	25	25	100%
Ag Structures	2	2	100%	\$53,000	\$53,000	100%	2	2	100%
Ag Land	249 ac	249 ac	100%	\$ 0.1 M	\$ 0.1 M	100%	--	--	--
Religious/ Non-profit	5	0	0%	\$ 1 M	\$0	0%	5	0	0%
Government	2	0	0%	\$ 2 M	\$0	0%	10	0	0%
Education	1	0	0%	\$ 5 M	\$0	0%	250	0	0%
Utilities	1	0	0%	\$ 0.5 M	\$50,000	10%	0	0	0%
Total	360	15	4.20%	\$24.25 M	\$ 1.603 M	6.60%	750	49	6.50%

Hazard: Grass and Wildland Fire

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	150	7.10%	\$139.4 M	\$ 15 M	10.80%	2,500	175	7%
Commercial	225	10	4.40%	\$ 70.4 M	\$ 8 M	11.40%	1,300	100	7.70%
Industrial	19	10	52.60%	\$ 24.9 M	\$ 18 M	72.30%	1,225	750	61.20%
Ag Structures	4	4	100%	\$ 0.2 M	\$ 0.2 M	100%	2	2	100%
Ag Land	488 ac	488 ac	100%	\$546,000	\$546,000	100%	--	--	--
Religious/ Non-profit	30	5	16.70%	\$ 32 M	\$ 3 M	9.40%	475	50	10.50%
Government	40	5	12.50%	\$ 75 M	\$ 10 M	13.30%	486	25	5.10%
Education	3	1	33.30%	\$ 15 M	\$ 2 M	13.30%	1,250	100	8.00%
Utilities	5	0	0%	\$ 3.3 M	\$ 1 M	30.30%	10	0	0%
Total	2,444	185	7.60%	\$360.75M	\$ 57.75 M	16.00%	7,248	1,202	16.60%

Hazard: Grass and Wildland Fire

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	10	10.10%	\$ 2.4 M	\$ 0.5 M	20.80%	130	13	10.00%
Commercial	5	0	0%	\$ 0.3 M	\$0	0%	15	0	0%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	228 ac	100%	\$74,000	\$74,000	100%	--	--	--
Religious/ Non-profit	3	0	0%	\$ 0.3 M	\$0	0%	3	0	0%
Government	2	0	0%	\$ 0.3 M	\$0	0%	1	0	0%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	0	0%	\$ 0.1 M	\$10,000	10%	0	0	100%
Total	110	10	9.10%	\$3.47 M	\$584,000	16.80%	149	13	8.70%

Hazard: Grass and Wildland Fire

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	1,000	72.50%	\$130.7 M	\$ 95 M	72.70%	1,602	1,161	72.50%
Commercial	10	5	50.00%	\$ 2.8 M	\$ 1.4 M	50%	135	68	50.40%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	175	90.20%	\$ 9.75 M	\$ 8.8 M	90.30%	96	87	90.60%
Ag Land	249,035 ac	249,035 ac	100%	\$85.18 M	\$ 85.18 M	100%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	2	33.30%	\$ 7.7 M	\$ 2 M	26%	3	1	33.30%
Education	0	0	100%	\$0	\$0	100%	0	0	0%
Utilities	3	2	66.70%	\$ 5.4 M	\$ 4 M	74.10%	0	0	66.70%
Total	1,594	1,182	74.20%	\$243.23M	\$192.38M	79.10%	1,853	1,317	36.50%

Hazard: Grass and Wildland Fire

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	1,170	29.70%	\$286.7 M	\$111.3 M	38.90%	4,640	1,361	29.30%
Commercial	250	17	6.80%	\$ 74.5 M	\$ 9.6 M	12.90%	1,500	178	11.90%
Industrial	20	11	55%	\$ 25.3 M	\$ 18.4 M	72.70%	1,250	775	62.00%
Ag Structures	200	181	90.50%	\$ 10 M	\$ 9.05 M	90.50%	100	91	91.00%
Ag Land	250,000 ac	250,000 ac	100%	\$ 85.9 M	\$ 85.9 M	100%	--	--	--
Religious/ Non-profit	40	5	12.50%	\$ 35 M	\$ 3 M	8.60%	500	50	10.00%
Government	50	7	14%	\$ 85 M	\$ 12 M	14.10%	500	26	5.20%
Education	4	1	25%	\$ 20 M	\$ 2 M	10%	1,500	100	6.70%
Utilities	10	2	20%	\$ 9.3 M	\$ 5.06 M	54.40%	10	0	0.00%
Total	4,508	1,395	30.90%	\$631.7 M	\$256.31	40.60%	10,000	2,581	25.80%

Hazard: Landslide

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	0	0%	\$ 14.2 M	\$0	5.60%	408	0	0%
Commercial	10	0	0%	\$ 1 M	\$0	0%	50	0	0%
Industrial	1	0	0%	\$ 0.4 M	\$0	0%	25	0	0%
Ag Structures	2	0	0%	\$53,000	\$0	0%	2	0	0%
Ag Land	249 ac	1 ac	0.40%	\$ 0.1 M	\$1,000	1%	--	--	--
Religious/ Non-profit	5	0	0%	\$ 1 M	\$0	0%	5	0	0%
Government	2	0	0%	\$ 2 M	\$0	0%	10	0	0%
Education	1	0	0%	\$ 5 M	\$0	0%	250	0	0%
Utilities	1	0	0%	\$ 0.5 M	\$0	0%	0	0	0%
Total	360	0	0%	\$24.25 M	\$1,000	0.00%	750	0	0%

Hazard: Landslide

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	2	0.10%	\$139.4 M	\$ 0.1 M	0.10%	2,500	3	0.10%
Commercial	225	0	0%	\$ 70.4 M	\$0	0%	1,300	0	0%
Industrial	19	0	0%	\$ 24.9 M	\$0	0%	1,225	0	0%
Ag Structures	4	0	0%	\$ 0.2 M	\$0	0%	2	0	0%
Ag Land	488 ac	2 ac	0.40%	\$546,000	\$2,500	0.50%	--	--	--
Religious/ Non-profit	30	0	0%	\$ 32 M	\$0	0%	475	0	0%
Government	40	0	0%	\$ 75 M	\$0	0%	486	0	0%
Education	3	0	0%	\$ 15 M	\$0	0%	1,250	0	0%
Utilities	5	0	0%	\$ 3.3 M	\$5,000	0.20%	10	0	0%
Total	2,444	2	0.10%	\$360.75M	\$ 0.108 M	0.03%	7,248	3	0.04%

Hazard: Landslide

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	5	5.00%	\$ 2.4 M	\$ 0.2 M	8.30%	130	7	5.40%
Commercial	5	0	0%	\$ 0.3 M	\$0	0%	15	0	0%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	2 ac	0.90%	\$74,000	\$2,000	2.70%	--	--	--
Religious/ Non-profit	3	0	0%	\$ 0.3 M	\$0	0%	3	0	0%
Government	2	0	0%	\$ 0.3 M	\$0	0%	1	0	0%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	0	0%	\$ 0.1 M	\$5,000	5%	0	0	100%
Total	110	5	9.10%	\$3.47 M	\$0.207M	6%	149	7	4.70%

Hazard: Landslide

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	2	0.10%	\$130.7 M	\$ 0.2 M	0.20%	1,602	2	0.10%
Commercial	10	0	0%	\$ 2.8 M	\$0	0%	135	0	0%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	2	1%	\$ 9.75 M	\$ 0.1 M	1%	96	1	1%
Ag Land	249,035 ac	10 ac	0.00%	\$85.18 M	\$10,000	0.01%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	0	0%	\$ 7.7 M	\$0	0%	3	0	33.30%
Education	0	0	100%	\$0	\$0	100%	0	0	0%
Utilities	3	0	0%	\$ 5.4 M	\$50,000	0.90%	0	0	66.70%
Total	1,594	4	0.30%	\$243.23M	\$360,000	0.10%	1,853	3	0.20%

Hazard: Landslide

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	9	0.20%	\$286.7 M	\$ 0.5 M	0.20%	4,640	12	0.30%
Commercial	250	0	0%	\$ 74.5 M	\$0	0%	1,500	0	0%
Industrial	20	0	0%	\$ 25.3 M	\$0	0%	1,250	0	0%
Ag Structures	200	2	1%	\$ 10 M	\$ 0.1 M	1%	100	1	1%
Ag Land	250,000 ac	15 ac	0.01%	\$ 85.9 M	\$10,500	0.01%	--	--	--

Religious/ Non-profit	40	0	0%	\$ 35 M	\$0	0%	500	0	0%
Government	50	0	0%	\$ 85 M	\$0	0%	500	0	0%
Education	4	0	0%	\$ 20 M	\$0	0%	1,500	0	0%
Utilities	10	0	0%	\$ 9.3 M	\$60,000	0.60%	10	0	0%
Total	4,508	11	0.20%	\$631.7 M	\$ 0.67 M	0.10%	10,000	13	0.10%

Hazard: River Flood

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	5	0.20%	\$139.4 M	\$ 0.3 M	0.20%	2,500	6	0.20%
Commercial	225	0	0%	\$ 70.4 M	\$0	0%	1,300	0	0%
Industrial	19	0	0%	\$ 24.9 M	\$0	0%	1,225	0	0%
Ag Structures	4	0	0%	\$ 0.2 M	\$0	0%	2	0	0%
Ag Land	488 ac	25 ac	0.50%	\$546,000	\$30,000	5.50%	--	--	--
Religious/ Non-profit	30	0	0%	\$ 32 M	\$0	0%	475	0	0%
Government	40	2	5%	\$ 75 M	\$ 8 M	10.70%	486	3	0.60%
Education	3	0	0%	\$ 15 M	\$0	0%	1,250	0	0%
Utilities	5	0	0%	\$ 3.3 M	\$1,000	0.03%	10	0	0%
Total	2,444	7	0.30%	\$360.75M	\$ 8.33 M	2.30%	7,248	9	0.10%

Hazard: River Flood

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	10	10.10%	\$ 2.4 M	\$ 0.4 M	16.70%	130	13	10%
Commercial	5	5	100%	\$ 0.3 M	\$ 0.3 M	100%	15	15	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	30 ac	13.20%	\$74,000	\$10,000	13.50%	--	--	--
Religious/ Non-profit	3	0	0%	\$ 0.3 M	\$0	0%	3	0	0%
Government	2	2	100%	\$ 0.3 M	\$ 0.3 M	100%	1	1	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	0	0%	\$ 0.1 M	\$5,000	5%	0	0	100%
Total	110	17	15.50%	\$3.47 M	\$1.015M	29.30%	149	29	19.50%

Hazard: River Flood

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	2	0.10%	\$130.7 M	\$ 0.2 M	0.20%	1,602	2	0.10%
Commercial	10	0	0%	\$ 2.8 M	\$0	0%	135	0	0%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	5	2.60%	\$ 9.75 M	\$ 0.3 M	3.10%	96	3	3.10%
Ag Land	249,035 ac	5,000 ac	2.00%	\$85.18 M	\$ 2 M	2.30%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	0	0%	\$ 7.7 M	\$0	0%	3	0	33.30%
Education	0	0	100%	\$0	\$0	100%	0	0	0%
Utilities	3	0	0%	\$ 5.4 M	\$ 1 M	18.50%	0	0	66.70%
Total	1,594	7	0.40%	\$243.23M	\$ 3.5 M	14.40%	1,853	5	0.30%

Hazard: River Flood

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	17	0.40%	\$286.7 M	\$ 0.9 M	0.30%	4,640	21	0.50%
Commercial	250	5	2%	\$ 74.5 M	\$ 0.3 M	0.40%	1,500	15	1%
Industrial	20	0	0%	\$ 25.3 M	\$0	0%	1,250	0	0%
Ag Structures	200	5	2.50%	\$ 10 M	\$ 0.3 M	3%	100	3	3%
Ag Land	250,000 ac	5,055 ac	2%	\$ 85.9 M	\$ 2.04 M	2.40%	--	--	--
Religious/ Non-profit	40	0	0%	\$ 35 M	\$0	0%	500	0	0%
Government	50	4	8%	\$ 85 M	\$ 8.3 M	0%	500	4	0.80%
Education	4	0	0%	\$ 20 M	\$0	0%	1,500	0	0%
Utilities	10	0	0%	\$ 9.3 M	\$ 1.06 M	11.40%	10	0	0%
Total	4,508	31	0.70%	\$631.7 M	\$ 12.85M	2%	10,000	43	0.43%

Hazard: Fixed Hazardous Materials Incident

Area of vulnerability: City of Murray

Number of Structures	Value of Structures	Number of People
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Type of Structures	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	175	51.80%	\$ 14.2 M	\$ 7.2 M	50.70%	408	210	51.50%
Commercial	10	7	70%	\$ 1 M	\$ 0.7 M	70%	50	35	70%
Industrial	1	0	0%	\$ 0.4 M	\$0	0%	25	0	0%
Ag Structures	2	0	0%	\$53,000	\$0	0%	2	0	0%
Ag Land	249 ac	75 ac	30.10%	\$ 0.1 M	\$30,000	30%	--	--	--
Religious/ Non-profit	5	3	60%	\$ 1 M	\$ 0.6 M	60%	5	3	60%
Government	2	2	100%	\$ 2 M	\$ 2 M	100%	10	10	100%
Education	1	1	100%	\$ 5 M	\$ 5 M	100%	250	250	100%
Utilities	1	1	100%	\$ 0.5 M	\$ 0.5 M	100%	0	0	100%
Total	360	189	52.50%	\$24.25 M	\$ 16.04 M	66.14%	750	508	67.70%

Hazard: Fixed Hazardous Materials Incident

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	1,200	56.70%	\$139.4 M	\$ 73 M	52.40%	2,500	1,450	58%
Commercial	225	200	88.90%	\$ 70.4 M	\$ 50 M	71.00%	1,300	1,000	76.90%
Industrial	19	15	79.00%	\$ 24.9 M	\$ 22 M	88.40%	1,225	1,100	89.80%
Ag Structures	4	2	50%	\$ 0.2 M	\$ 0.1 M	50%	2	1	50%
Ag Land	488 ac	100 ac	20.50%	\$546,000	\$120,000	22.00%	--	--	--
Religious/ Non-profit	30	15	50%	\$ 32 M	\$ 12 M	37.50%	475	150	31.60%
Government	40	30	75%	\$ 75 M	\$ 60 M	80%	486	375	77.20%
Education	3	1	33.30%	\$ 15 M	\$ 9 M	60%	1,250	625	50%
Utilities	5	4	80%	\$ 3.3 M	\$ 2.6 M	78.80%	10	7	70%
Total	2,444	1,467	60%	\$360.75M	\$228.82M	63.40%	7,248	4,708	65%

Hazard: Fixed Hazardous Materials Incident

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	0	0%	\$ 2.4 M	\$0	0%	130	0	0%
Commercial	5	0	0%	\$ 0.3 M	\$0	0%	15	0	0%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	50 ac	21.90%	\$74,000	\$16,000	21.60%	--	--	--
Religious/ Non-profit	3	0	0%	\$ 0.3 M	\$0	0%	3	0	0%
Government	2	0	0%	\$ 0.3 M	\$50,000	16.60%	1	0	0%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	0	0%	\$ 0.1 M	\$0	0%	0	0	100%
Total	110	0	0%	\$3.47 M	\$66,000	1.90%	149	0	0

Hazard: Fixed Hazardous Materials Incident

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	5	0.40%	\$130.7 M	\$ 0.5 M	0.40%	1,602	7	0.40%
Commercial	10	0	0%	\$ 2.8 M	\$0	0%	135	0	0%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	2	1%	\$ 9.75 M	\$ 0.1 M	1%	96	1	1%
Ag Land	249,035 ac	1,000 ac	0.40%	\$85.18 M	\$ 0.5 M	0.60%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	1	16.70%	\$ 7.7 M	\$ 1.5 M	19.50%	3	1	33.30%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	1	33.30%	\$ 5.4 M	\$ 1.5 M	2.80%	0	0	100%
Total	1,594	9	0.60%	\$243.23M	\$ 4.1 M	1.70%	1,853	9	0.50%

Hazard: Fixed Hazardous Materials Incident

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	1,380	35.10%	\$286.7 M	\$ 80.7 M	28.10%	4,640	1,667	35.90%
Commercial	250	207	82.80%	\$ 74.5 M	\$ 50.7 M	68.10%	1,500	1,035	69%
Industrial	20	15	75%	\$ 25.3 M	\$ 22.0 M	87%	1,250	1,100	88%
Ag Structures	200	4	2%	\$ 10 M	\$ 0.2 M	2%	100	2	2%
Ag Land	250,000 ac	1,225 ac	0.50%	\$ 85.9 M	\$ 2 M	2.30%	--	--	--
Religious/ Non-profit	40	18	45%	\$ 35 M	\$ 6.7 M	19.10%	500	153	30.60%
Government	50	33	66%	\$ 85 M	\$ 63.6 M	74.80%	500	386	77.20%
Education	4	2	50%	\$ 20 M	\$ 14 M	70%	1,500	875	58.30%
Utilities	10	6	60%	\$ 9.3 M	\$ 4.6 M	49.50%	10	7	70%

Total	4,508	1,665	36.90%	\$631.7 M	\$ 249 M	39.40%	10,000	5225	52.30%
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Hazard: Pipeline Transportation Incident

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	2	0.60%	\$ 14.2 M	\$ 0.1 M	0.70%	408	3	0.70%
Commercial	10	0	0%	\$ 1 M	\$0	0%	50	0	0%
Industrial	1	0	0%	\$ 0.4 M	\$0	0%	25	0	0%
Ag Structures	2	0	0%	\$53,000	\$0	0%	2	0	0%
Ag Land	249 ac	5 ac	2%	\$ 0.1 M	\$5,000	5%	--	--	--
Religious/ Non-profit	5	0	0%	\$ 1 M	\$0	0%	5	0	0%
Government	2	0	0%	\$ 2 M	\$0	0%	10	0	0%
Education	1	0	0%	\$ 5 M	\$0	0%	250	0	0%
Utilities	1	0	0%	\$ 0.5 M	\$ 0.1 M	20%	0	0	100%
Total	360	2	0.60%	\$24.25 M	\$205,000	0.80%	750	3	0.40%

Hazard: Pipeline Transportation Incident

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	2,000	94.40%	\$139.4 M	\$125 M	89.70%	2,500	2,350	94%
Commercial	225	200	88.90%	\$ 70.4 M	\$ 62 M	88.10%	1,300	1,000	76.90%
Industrial	19	16	84.20%	\$ 24.9 M	\$ 22 M	88.40%	1,225	1,000	81.60%
Ag Structures	4	0	0%	\$ 0.2 M	\$0	0%	2	0	0%
Ag Land	488 ac	100 ac	20.50%	\$546,000	\$120,000	22%	--	--	--
Religious/ Non-profit	30	25	83.30%	\$ 32 M	\$ 28 M	87.50%	475	400	84.20%
Government	40	35	87.50%	\$ 75 M	\$ 70 M	93.30%	486	425	87.40%
Education	3	2	66.70%	\$ 15 M	\$ 14 M	93.30%	1,250	1,150	92%
Utilities	5	4	80%	\$ 3.3 M	\$ 2.7 M	81.80%	10	8	80%
Total	2,444	2,282	93.40%	\$360.75M	303.82M	84.20%	7,248	6,333	87.40%

Hazard: Pipeline Transportation Incident

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	60	4.40%	\$130.7 M	\$ 5.8 M	0.40%	1,602	75	4.70%
Commercial	10	2	20%	\$ 2.8 M	\$ 0.5 M	17.90%	135	25	18.50%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	10	5.20%	\$ 9.75 M	\$ 0.5 M	5.10%	96	5	5.20%
Ag Land	249,035 ac	13,000 ac	5.20%	\$85.18 M	\$ 4.4 M	5.20%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	0	0%	\$ 7.7 M	\$0	19.50%	3	0	0%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	1	33.30%	\$ 5.4 M	\$ 1 M	18.50%	0	0	100%
Total	1,594	73	4.60%	\$243.23M	\$ 12.2M	5%	1,853	105	5.70%

Hazard: Pipeline Transportation Incident

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	2,062	52.40%	\$286.7 M	\$130.9 M	45.70%	4,640	2,428	52.30%
Commercial	250	202	80.80%	\$ 74.5 M	\$ 62.5 M	70.50%	1,500	1,025	68.30%
Industrial	20	16	80%	\$ 25.3 M	\$ 22.0 M	87%	1,250	1,000	80%
Ag Structures	200	10	5%	\$ 10 M	\$50,000	0.50%	100	5	5%
Ag Land	250,000 ac	13,105 ac	5.20%	\$ 85.9 M	\$ 4.5 M	5.20%	--	--	--
Religious/ Non-profit	40	25	62.50%	\$ 35 M	\$ 28 M	80%	500	400	80%
Government	50	35	70%	\$ 85 M	\$ 70 M	82.40%	500	425	85%
Education	4	2	50%	\$ 20 M	\$ 14 M	70%	1,500	1,150	76.70%
Utilities	10	5	50%	\$ 9.3 M	\$ 3.8 M	40.90%	10	8	80%
Total	4,508	2,357	52.30%	\$631.7 M	\$ 316.2 M	50.10%	10,000	6,441	64.40%

Hazard: Rail Transportation Incident

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	150	44.40%	\$ 14.2 M	\$ 6.2 M	43.70%	408	181	44.40%
Commercial	10	6	60%	\$ 1 M	\$ 0.6 M	60%	50	30	60%
Industrial	1	0	0%	\$ 0.4 M	\$0	0%	25	0	0%

Ag Structures	2	1	50%	\$53,000	\$26.00	49.10%	2	1	50%
Ag Land	249 ac	100 ac	40.20%	\$ 0.1 M	\$40,000	40%	--	--	--
Religious/ Non-profit	5	3	60%	\$ 1 M	\$ 0.6 M	60%	5	3	60%
Government	2	2	100%	\$ 2 M	\$ 2 M	100%	10	10	100%
Education	1	0	0%	\$ 5 M	\$0	0%	250	0	0%
Utilities	1	1	100%	\$ 0.5 M	\$ 0.4 M	80%	0	0	100%
Total	360	163	45.30%	\$24.25 M	\$ 9.87 M	40.70%	750	245	32.70%

Hazard: Rail Transportation Incident

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	700	33.10%	\$139.4 M	\$ 40 M	28.70%	2,500	850	34%
Commercial	225	150	66.70%	\$ 70.4 M	\$ 60 M	85.20%	1,300	1,000	76.90%
Industrial	19	15	78.90%	\$ 24.9 M	\$ 20 M	80.30%	1,225	850	69.40%
Ag Structures	4	1	25%	\$ 0.2 M	\$50,000	25%	2	1	50%
Ag Land	488 ac	50 ac	10.20%	\$546,000	\$60,000	22%	--	--	--
Religious/ Non-profit	30	15	50%	\$ 32 M	\$ 16 M	50%	475	225	47.40%
Government	40	25	62.50%	\$ 75 M	\$ 45 M	60%	486	350	72%
Education	3	1	33.30%	\$ 15 M	\$ 1 M	6.70%	1,250	100	8%
Utilities	5	2	40%	\$ 3.3 M	\$ 1.5 M	45.50%	10	4	40%
Total	2,444	909	37.20%	\$360.75M	\$ 183.6 M	50.90%	7,248	3,376	46.60%

Hazard: Rail Transportation Incident

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	60	60.60%	\$ 2.4 M	\$ 1.4 M	58.30%	130	80	61.50%
Commercial	5	5	100%	\$ 0.3 M	\$ 0.3 M	100%	15	15	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	50 ac	21.90%	\$74,000	\$16,000	21.60%	--	--	--
Religious/ Non-profit	3	2	66.70%	\$0.3 M	\$ 0.2 M	66.70%	3	2	66.70%
Government	2	2	100%	\$ 0.3 M	\$ 0.3 M	100%	1	1	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	1	100%	\$ 0.1 M	\$ 0.1 M	100%	0	0	100%
Total	110	70	63.60%	\$ 3.47 M	\$ 2.32M	66.90%	149	98	65.80%

Hazard: Rail Transportation Incident

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	40	2.90%	\$130.7 M	\$ 4 M	3.10%	1,602	50	3.10%
Commercial	10	1	10%	\$ 2.8 M	\$ 0.2 M	7.10%	135	5	3.70%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	5	2.60%	\$ 9.75 M	\$ 0.3 M	3.10%	96	3	3.10%
Ag Land	249,035 ac	6,000 ac	2.40%	\$85.18 M	\$ 2 M	2.30%	--	--	--
Religious/ Non-profit	2	0	0%	\$ 1.7 M	\$0	0%	17	0	0%
Government	6	1	16.70%	\$ 7.7 M	\$ 1 M	13%	3	1	33.30%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	0	0%	\$ 5.4 M	\$0	0%	0	0	100%
Total	1,594	47	2.90%	\$243.23M	\$ 7.5 M	3.10%	1,853	59	3.20%

Hazard: Rail Transportation Incident

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	950	24.10%	\$286.7 M	\$ 51.6 M	18%	4,640	1,161	25%
Commercial	250	162	64.80%	\$ 74.5 M	\$ 61.1 M	82%	1,500	1,050	70%
Industrial	20	15	75%	\$ 25.3 M	\$ 20 M	79.10%	1,250	1,000	68%
Ag Structures	200	7	3.50%	\$ 10 M	\$610,000	6.10%	100	5	5%
Ag Land	250,000 ac	6,200 ac	2.50%	\$ 85.9 M	\$ 2.1 M	2.50%	--	--	--
Religious/ Non-profit	40	20	50%	\$ 35 M	\$ 16.8 M	48%	500	230	46%
Government	50	30	60%	\$ 85 M	\$ 48.3 M	56.80%	500	362	72.40%
Education	4	1	25%	\$ 20 M	\$ 1 M	5%	1,500	100	6.70%
Utilities	10	4	40%	\$ 9.3 M	\$ 2 M	21.50%	10	4	40%
Total	4,508	1,189	26.40%	\$631.7 M	\$ 203.3 M	32.20%	10,000	3,778	37.80%

Hazard: Structural Fires and Failures

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	338	100%	\$ 14.2 M	\$ 14.2 M	100%	408	408	100%
Commercial	10	10	100%	\$ 1 M	\$ 1 M	100%	50	50	100%
Industrial	1	1	100%	\$ 0.4 M	\$ 0.4 M	100%	25	25	100%
Ag Structures	2	2	100%	\$53,000	\$53,000	100%	2	2	100%
Ag Land	249 ac	0 ac	0%	\$ 0.1 M	\$0	0%	--	--	0%
Religious/ Non-profit	5	5	100%	\$ 1 M	\$ 1 M	100%	5	5	100%
Government	2	2	100%	\$ 2 M	\$ 2 M	100%	10	10	100%
Education	1	1	100%	\$ 5 M	\$ 5 M	100%	250	250	100%
Utilities	1	1	100%	\$ 0.5 M	\$ 0.4 M	80%	0	0	100%
Total	360	360	45.30%	\$24.25 M	\$ 24.05 M	99.20%	750	750	100%

Hazard: Structural Fires and Failures

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	2,118	100%	\$139.4 M	\$139.4 M	100%	2,500	2,500	100%
Commercial	225	225	100%	\$ 70.4 M	\$ 70.4 M	100%	1,300	1,300	100%
Industrial	19	19	100%	\$ 24.9 M	\$ 24.9 M	100%	1,225	1,225	100%
Ag Structures	4	4	100%	\$ 0.2 M	\$ 0.2 M	100%	2	2	100%
Ag Land	488 ac	0 ac	0%	\$546,000	\$0	0%	--	--	0%
Religious/ Non-profit	30	30	100%	\$ 32 M	\$ 32 M	100%	475	475	100%
Government	40	40	100%	\$ 75 M	\$ 75 M	100%	486	486	100%
Education	3	3	100%	\$ 15 M	\$ 15 M	100%	1,250	1,250	100%
Utilities	5	5	100%	\$ 3.3 M	\$ 2.5 M	75.80%	10	10	100%
Total	2,444	2,444	100%	\$360.75M	\$359.40M	99.60%	7,248	7,248	100%

Hazard: Structural Fires and Failures

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	99	100%	\$ 2.4 M	\$ 2.4 M	100%	130	130	100%
Commercial	5	5	100%	\$ 0.3 M	\$ 0.3 M	100%	15	15	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	0 ac	0%	\$74,000	\$0	0%	--	--	0%
Religious/ Non-profit	3	3	100%	\$ 0.3 M	\$ 0.3 M	100%	3	3	100%
Government	2	2	100%	\$ 0.3 M	\$ 0.3 M	100%	1	1	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	1	100%	\$ 0.1 M	\$ 0.1 M	100%	0	0	100%
Total	110	110	100%	\$3.47 M	\$3.4 M	98%	149	149	100%

Hazard: Structural Fires and Failures

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	1,379	100%	\$130.7 M	\$130.7 M	100%	1,602	1,602	100%
Commercial	10	10	100%	\$ 2.8 M	\$ 2.8 M	100%	135	135	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	194	100%	\$ 9.75 M	\$ 9.75 M	100%	96	96	100%
Ag Land	249,035 ac	0 ac	0%	\$ 85.18 M	\$0	0%	--	--	0%
Religious/ Non-profit	2	2	100%	\$ 1.7 M	\$ 1.7 M	100%	17	17	100%
Government	6	6	100%	\$ 7.7 M	\$ 7.7 M	100%	3	3	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	3	100%	\$ 5.4 M	\$ 2 M	37%	0	0	100%
Total	1,594	1,594	100%	\$243.23M	\$154.65M	63.60%	1,853	1,853	100%

Hazard: Structural Fires and Failures

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	3,934	100%	\$286.7 M	\$286.7 M	100%	4,640	4,640	100%
Commercial	250	250	100%	\$ 74.5 M	\$ 74.5 M	100%	1,500	1,500	100%
Industrial	20	20	100%	\$ 25.3 M	\$ 25.3 M	100%	1,250	1,250	100%
Ag Structures	200	200	100%	\$ 10 M	\$ 10 M	100%	100	100	100%
Ag Land	250,000 ac	0 ac	0%	\$ 85.9 M	\$0	0%	--	--	0%
Religious/ Non-profit	40	40	100%	\$ 35 M	\$ 35 M	100%	500	500	100%
Government	50	50	100%	\$ 85 M	\$ 85 M	100%	500	500	100%
Education	4	4	100%	\$ 20 M	\$ 20 M	100%	1,500	1,500	100%

Utilities	10	10	100%	\$ 9.3 M	\$ 5 M	53.80%	10	10	100%
Total	4,508	4,508	100%	\$631.7 M	\$541.5 M	85.70%	10,000	10,000	100%

Hazard: Transportation Hazardous Materials Incident

Area of vulnerability: City of Murray

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	338	275	81.40%	\$ 14.2 M	\$ 11.6 M	81.70%	408	332	81.40%
Commercial	10	10	100%	\$ 1 M	\$ 1 M	100%	50	50	100%
Industrial	1	1	100%	\$ 0.4 M	\$ 0.4 M	100%	25	25	100%
Ag Structures	2	2	100%	\$53,000	\$53,000	100%	2	2	100%
Ag Land	249 ac	150 ac	60.20%	\$ 0.1 M	\$60,000	60%	--	--	0%
Religious/ Non-profit	5	5	100%	\$ 1 M	\$ 1 M	100%	5	5	100%
Government	2	2	100%	\$ 2 M	\$ 2 M	100%	10	10	100%
Education	1	1	100%	\$ 5 M	\$ 5 M	100%	250	250	100%
Utilities	1	1	100%	\$ 0.5 M	\$ 0.5 M	100%	0	0	100%
Total	360	297	82.50%	\$ 24.25 M	\$ 21.61M	89.10%	750	674	89.90%

Hazard: Transportation Hazardous Materials Incident

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	2,000	94.40%	\$139.4 M	\$131.6 M	94.40%	2,500	2,360	94.40%
Commercial	225	225	100%	\$ 70.4 M	\$ 70.4 M	100%	1,300	1,300	100%
Industrial	19	19	100%	\$ 24.9 M	\$ 24.9 M	100%	1,225	1,225	100%
Ag Structures	4	3	75%	\$ 0.2 M	\$ 0.15 M	75%	2	2	100%
Ag Land	488 ac	250 ac	51.20%	\$546,000	\$ 0.28 M	51.30%	--	--	0%
Religious/ Non-profit	30	29	96.70%	\$ 32 M	\$ 25 M	78.10%	475	250	52.60%
Government	40	40	100%	\$ 75 M	\$ 75 M	100%	486	486	100%
Education	3	2	33.30%	\$ 15 M	\$ 7 M	46.70%	1,250	600	48%
Utilities	5	5	100%	\$ 3.3 M	\$ 3.2 M	97.00%	10	10	100%
Total	2,444	2,323	95%	\$360.75M	\$337.53M	93.60%	7,248	6,233	86%

Hazard: Transportation Hazardous Materials Incident

Area of vulnerability: City of Woodburn

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	99	80	80.80%	\$ 2.4 M	\$ 1.9 M	79.20%	130	103	79.20%
Commercial	5	5	100%	\$ 0.3 M	\$ 0.3 M	100%	15	15	100%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Land	228 ac	125 ac	54.80%	\$74,000	\$40,000	54.10%	--	--	0%
Religious/ Non-profit	3	2	66.70%	\$ 0.3 M	\$ 0.2 M	66.70%	3	2	66.70%
Government	2	2	100%	\$ 0.3 M	\$ 0.3 M	100%	1	1	100%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	1	1	100%	\$ 0.1 M	\$ 0.1 M	100%	0	0	100%
Total	110	100	90.90%	\$ 3.47 M	\$ 2.87 M	82.70%	149	121	81.20%

Hazard: Transportation Hazardous Materials Incident

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	200	14.50%	\$130.7 M	\$ 19 M	14.50%	1,602	240	15%
Commercial	10	5	50%	\$ 2.8 M	\$ 1.4 M	50%	135	68	50.40%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	25	12.90%	\$ 9.75 M	\$ 1.3 M	13.30%	96	12	12.50%
Ag Land	249,035 ac	40,000 ac	16.10%	\$ 85.18 M	\$ 12 M	14.10%	--	--	0%
Religious/ Non-profit	2	2	100%	\$ 1.7 M	\$ 1.7 M	100%	17	17	100%
Government	6	5	83.30%	\$ 7.7 M	\$ 6 M	77.90%	3	2	66.70%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	2	66.70%	\$ 5.4 M	\$ 2 M	37%	0	0	100%
Total	1,594	239	15.00%	\$243.23M	\$ 43.4M	17.80%	1,853	339	18.30%

Hazard: Transportation Hazardous Materials Incident

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	2,555	64.90%	\$286.7 M	\$164.1 M	57.20%	4,640	3,035	65.40%
Commercial	250	245	95%	\$ 74.5 M	\$ 73.1 M	98.10%	1,500	1,433	95.50%

Industrial	20	20	100%	\$ 25.3 M	\$ 25.3 M	100%	1,250	1,250	100%
Ag Structures	200	30	15%	\$ 10 M	\$ 1.5 M	15%	100	16	16%
Ag Land	250,000 ac	40,525 ac	16.20%	\$ 85.9 M	\$ 12.38M	14.40%	--	--	0%
Religious/ Non-profit	40	39	97.50%	\$ 35 M	\$ 34.9 M	99.70%	500	499	99.80%
Government	50	49	98%	\$ 85 M	\$ 83.3 M	98%	500	499	99.80%
Education	4	3	75%	\$ 20 M	\$ 12 M	60%	1,500	850	56.70%
Utilities	10	9	90%	\$ 9.3 M	\$ 5.8 M	62.40%	10	10	100%
Total	4,508	2,950	65.40%	\$631.7 M	\$412.4 M	65.30%	10,000	7,612	76.10%

Hazard: Transportation Radiological Incidents

Area of vulnerability: City of Osceola

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	2,118	700	33.10%	\$139.4 M	\$ 46.1 M	33.10%	2,500	828	33.10%
Commercial	225	175	77.80%	\$ 70.4 M	\$ 54.7 M	77.80%	1,300	1,100	84.60%
Industrial	19	12	63.20%	\$ 24.9 M	\$ 15.7 M	63.20%	1,225	1,100	89.80%
Ag Structures	4	0	0%	\$ 0.2 M	\$0	0%	2	0	0%
Ag Land	488 ac	75 ac	15.40%	\$546,000	\$84,000	15.40%	--	--	0%
Religious/ Non-profit	30	15	50%	\$ 32 M	\$ 16 M	50%	475	225	47.40%
Government	40	20	50%	\$ 75 M	\$ 37.5 M	50%	486	200	41.10%
Education	3	2	66.70%	\$ 15 M	\$ 7 M	46.70%	1,250	600	48%
Utilities	5	2	40%	\$ 3.3 M	\$ 1.2 M	36.40%	10	4	40%
Total	2,444	926	37.90%	\$360.75M	\$178.28M	49.40%	7,248	4,054	56%

Hazard: Transportation Radiological Incidents

Area of vulnerability: Rural Clarke County

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	1,379	50	3.60%	\$130.7 M	\$ 4.7 M	3.60%	1,602	50	3.10%
Commercial	10	3	30%	\$ 2.8 M	\$ 0.8 M	28.60%	135	40	29.60%
Industrial	0	0	100%	\$0	\$0	100%	0	0	100%
Ag Structures	194	5	2.60%	\$ 9.75 M	\$ 0.3 M	3.10%	96	3	3.10%
Ag Land	249,035 ac	12,000 ac	4.80%	\$ 85.18 M	\$ 4.1 M	4.80%	--	--	0%
Religious/ Non-profit	2	1	50%	\$ 1.7 M	\$ 0.8 M	47.50%	17	8	47.50%
Government	6	1	16.70%	\$ 7.7 M	\$ 1 M	13%	3	0	0%
Education	0	0	100%	\$0	\$0	100%	0	0	100%
Utilities	3	2	66.70%	\$ 5.4 M	\$ 2 M	37%	0	0	100%
Total	1,594	62	3.90%	\$243.23M	\$ 13.7 M	5.60%	1,853	101	5.50%

Hazard: Transportation Radiological Incidents

of vulnerability: Total for all of Clarke County (All Jurisdic

Type of Structures	Number of Structures			Value of Structures			Number of People		
	# in Community	# in Hazard Area	% in Hazard Area	\$ Value in Community	\$ Value in Hazard Area	% in Hazard Area	# in Community	# in Hazard Area	% in Hazard Area
Residential	3,934	750	19.10%	\$286.7 M	\$ 50.8 M	17.70%	4,640	878	18.90%
Commercial	250	178	71.20%	\$ 74.5 M	\$ 55.5 M	74.50%	1,500	1,140	76%
Industrial	20	12	60%	\$ 25.3 M	\$ 15.7 M	62.10%	1,250	1,100	88%
Ag Structures	200	5	2.50%	\$ 10 M	\$ 0.3 M	3%	100	3	3%
Ag Land	250,000 ac	12,075 ac	4.80%	\$ 85.9 M	\$ 4.9 M	5.70%	--	--	0%
Religious/ Non-profit	40	16	40%	\$ 35 M	\$ 16.8 M	48%	500	233	46.60%
Government	50	21	42%	\$ 85 M	\$ 38.5 M	45.30%	500	200	40%
Education	4	2	50%	\$ 20 M	\$ 12 M	60%	1,500	600	40%
Utilities	10	4	40%	\$ 9.3 M	\$ 3.2 M	34.40%	10	4	40%
Total	4,508	988	21.90%	\$631.7 M	\$197.7 M	31.30%	10,000	4,155	41.60%

Note: See Chapter 6 of Clarke County Hazard Mitigation Plan for notes, comments, and details on vulnerable assets in the county.

ASSESSING CRITICAL FACILITIES

Some hazards have different vulnerability areas, (i.e. the entire jurisdiction for tornadoes and only flood zone for river flooding.) A separate table should be filled out for each hazard if the area of vulnerability is different.

Hazard: Hazards that Affect all of Clarke County

Area of vulnerability: City of Murray

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
City Hall	X					1,500	\$100 K	\$25 K	10
Fire Station	X					1,000	\$200 K	\$500 K	20
Small Wonders Childcare Center		X	X			3,968	\$400 K	\$100 K	30
Murray WWT lagoons	X					0	\$750 K	\$0	0
Murray Schools		X	X			50 K	\$5 M	\$5 M	500
Wastewater collection pipes	X					0	\$750 K	\$0	0
Church of Christ				X	X	3,000	\$500 K	\$150 K	200
Dekko Mfg.			X			30,000	\$1 M	\$1 M	50
BNSF Railroad			X	X		0	\$200 K	\$0	N/A

M = Million

K = Thousand

Hazards that affect all Murray Critical Assets include: drought, earthquake, expansive soils, extreme heat, hailstorm, severe winter storm, thunderstorm and lightning, tornado, windstorm, air transportation incident, any disease events, communications failure, enemy attack, energy failure, fixed hazardous materials incidents, and most forms of terrorism.

Hazard: Hazards that Affect all of Clarke County

Area of vulnerability: City of Osceola

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station **	X					6,000	\$2.2 M	\$2 M	25
Clarke Co. Hospital	X	X	X			40,000	\$10 M	\$15 M	500
Osceola Library					X	5,000	\$2 M	\$1 M	50
SWCC Osceola Campus			X			5,000	\$2 M	\$3 M	100
The Village Childcare Center		X	X			17,185	\$2 M	\$2 M	100
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
West Lake and Dam	X		X			0	\$10 M	\$0	0
Alliant Energy Service Center	X					13,979	\$2 M	\$2 M	100
County Law Center	X			X		10,000	\$5 M	\$5 M	100
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Clarke Jr/Sr High School		X	X			75,000	\$9 M	\$9 M	750
Wastewater collection pipes	X					0	\$10 M	\$10 K	0

Water towers	X					0	\$2 M	\$10 K	0
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750
North Main Manor		X				16,422	\$2 M	\$1 M	100
Full Harvest		X				22,293	\$2 M	\$1 M	100
Southern Hills specialty Care		X				50,000	\$5.5 M	\$3.5 M	100
Clarke Co. Hist. Museum					X	5,000	\$500 K	\$500 K	50
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Arbor Valley Lake			X			0	\$1 M	\$0	0
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M	1,000
Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Wal-mart Store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – Warehouse			X			35,169	\$2 M	\$2 M	50
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
Assisted Living Project		X				20,000	\$2 M	\$1 M	100
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Natural Gas Pipeline	X			X		0	\$1 M	\$0	0
US 34/I-35 bridge				X		0	\$5 M	\$0	Varies
BNSF/I-35 bridge				X		0	\$3 M	\$0	Varies
I-35 Exit 34 bridge				X		0	\$2.5 M	\$0	Varies
Fillmore and Lincoln Sts. RR Underpasses				X		0	\$2 M	\$0	Varies

Hazards that affect all Osceola Critical Assets include: drought, earthquake, expansive soils, extreme heat, hailstorm, severe winter storm, thunderstorm and lightning, tornado, windstorm, air transportation incident, any disease events, communications failure, enemy attack, energy failure, and most forms of terrorism.

Hazard: Hazards that Affect all of Clarke County **Area of vulnerability: City of Woodburn**

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
City Hall/Fire Station	X			X		3,200	\$300 K	\$500 K	25
Woodburn WWT lagoons	X					0	\$750 K	\$0	0
Wastewater collection pipes	X					0	\$750 K	\$0	0
BNSF Railroad			X	X		0	\$200 K	\$0	Varies
Two small creek bridges					X	0	\$500 K	\$0	Varies

Hazards that affect all Wodburn Critical Assets include: drought, earthquake, expansive soils, extreme heat, flash flooding, hailstorm, river flooding, severe winter storm, thunderstorm and lightning, tornado, windstorm, air transportation incident, any disease events, communications failure, enemy attack, energy failure, rail transportation incidents, and most forms of terrorism.

Hazard: Hazards that Affect all of Clarke County **Area of vulnerability: Rural Clarke County**

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Iowa State Patrol Office	X					5,000	\$1 M	\$1 M	50
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
Water towers (SIRWA)	X					0	\$4 M	\$20 K	0
Electric substations	X					0	\$5 M	\$0	0
East Lake Park facilities - dam		X	X			Misc. bldgs.	\$6 M	\$ 2 M	100 campers
Osceola Airport	X		X			10,000	\$5 M	\$ 1 M	25
Magellan pipeline pumping station	X					1,000	\$ 5 M	\$1 M	1
Swine Graphics & Iowa Select hog facilities			X			Multiple bldgs	\$5 M+	\$5 M	50
BNSF Railroad			X	X		0	\$10 M	\$0	N/A
Natural gas pipeline	X			X		0	\$5 M	\$0	0
US 34/BNSF RR bridge				X		0	\$3 M	\$0	Varies
Exit 29 bridge				X		0	\$2 M	\$0	Varies
Exit 36 bridge				X		0	\$2 M	\$0	Varies
H48 bridge over I-35				X		0	\$2 M	\$0	Varies
H50 bridge over I-35				X		0	\$2 M	\$0	Varies
Robin St. bridge over I-35				X		0	\$2 M	\$0	Varies
I-35 bridge over S. Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over White Breast Cr.				X		0	\$3 M	\$0	Varies
R35 bridge over S. Squaw Cr.				X		0	\$2 M	\$0	Varies
R35 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
R45 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
US 69 Bridge over White Breast Cr.				X		0	\$2 M	\$0	Varies
R59 bridge over Otter Cr.				X		0	\$2 M	\$0	Varies
R15 bridge over Long Cr.				X		0	\$2 M	\$0	Varies
BNSF bridge over Kansas St.				X		0	\$3 M	\$0	Varies
BNSF bridge over 288 th St.				X		0	\$3 M	\$0	Varies
BNSF bridge over 300 th St.				X		0	\$3 M	\$0	Varies
SIRWA Trunk water line	X					0	\$5 M	\$100 K	0

Hazards that affect all Rural County Critical Assets include: drought, earthquake, expansive soils, extreme heat, hailstorm, severe winter storm, thunderstorm and lightning, tornado, windstorm, air transportation incident, any disease events, communications failure, enemy attack, energy failure, and most forms of terrorism.

Hazard: Dam Failure	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
West Lake and dam	X		X			0	\$10 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750

Hazard: Dam Failure	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
East Lake Park and dam		X	X			Misc. bldgs.	\$6 M	\$ 2 M	100 campers
Natural gas pipeline	X			X		0	\$5 M	\$0	0
I-35 bridge over S. Squaw Cr.				X		0	\$3 M	\$0	Varies
R35 bridge over S. Squaw Cr.				X		0	\$2 M	\$0	Varies
R45 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
US 69 Bridge over White Breast Cr.				X		0	\$2 M	\$0	Varies
SIRWA trunk water line	X					0	\$5 M	\$100 K	0

Hazard: Flash Flooding	Area of vulnerability: City of Murray
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Murray WWT lagoons	X					0	\$750 K	\$0	0
Murray Schools		X	X			50,000	\$5 M	\$5 M	500
Wastewater collection pipes	X					0	\$750 K	\$0	0
Dekko Mfg.			X			30,000	\$1 M	\$1 M	50

BNSF Railroad			X	X		0	\$200 K	\$0	N/A
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Hazard: Flash Flooding Area of vulnerability: City of Osceola

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station ***	X					6,000	\$2.2 M	\$2 M	25
Clarke County Hospital	X	X	X			40,000	\$10 M	\$15 M	500
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
West Lake and dam	X		X			0	\$10 M	\$0	0
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Clarke Jr/Sr High School		X	X			75,000	\$9 M	\$9 M	750
Wastewater collection pipes	X					0	\$10 M	\$10 K	0
Casino and hotel		X	X	X		50,000	\$5 M	\$5 M	750
North Main Manor		X				20,000	\$2 M	\$1 M	100
Full Harvest		X				20,000	\$2 M	\$1 M	100
Southern Hills Specialty Care		X				50,000	\$5.5 M	\$3.5 M	100
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M **	1,000
Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Wal-mart Store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods complex			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – Warehouse			X			35,169	\$2 M	\$2 M	50
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Assisted Living Project		X				20,000	\$2 M	\$1 M	100
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Fillmore and Lincoln Sts. RR Underpasses				X		0	\$2 M	\$0	Varies

Hazard: Hazards that Affect all of Clarke County Area of vulnerability: Rural Clarke County

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
East Lake Park and dam		X	X			Misc. bldgs.	\$6 M	\$ 2 M	100 campers
Swine Graphics & Iowa Select			X			Multiple bldgs	\$5 M+	\$ 5 M	50
BNSF Railroad			X	X		0	\$10 M	\$0	N/A
US 34/BNSF RR bridge				X		0	\$3 M	\$0	Varies
I-35 bridge over S. Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over White Breast Cr.				X		0	\$3 M	\$0	Varies
R35 bridge over S. Squaw Cr.				X		0	\$2 M	\$0	Varies
R35 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
R45 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
US 69 Bridge over White Breast Cr.				X		0	\$2 M	\$0	Varies
R59 bridge over Otter Cr.				X		0	\$2 M	\$0	Varies
R15 bridge over Long Cr.				X		0	\$2 M	\$0	Varies
SIRWA Trunk water line	X					0	\$5 M	\$100 K	0

Hazard: Grass and Wildland Fire Area of vulnerability: City of Osceola

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
SWCC Osceola Campus			X			5,000	\$2 M	\$3 M	100
The Village Childcare Center		X	X			17,185	\$2 M	\$2 M	100
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
Alliant Energy Service Center	X					13,979	\$2 M	\$2 M	100
Electric Substations	X					0	\$5 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M	1,000
Wal-mart store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – Warehouse			X			35,169	\$2 M	\$2 M	50

Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
Natural gas pipeline	X			X		0	\$1 M	\$0	0

Hazard: Grass and Wildland Fire	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Iowa State Patrol Office	X					5,000	\$1 M	\$1 M	50
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
Electric substations	X					0	\$5 M	\$0	0
Osceola Airport	X		X			10,000	\$5 M	\$1 M	25
Magellan Pipeline pumping station	X					1,000	\$5 M	\$1 M	1
Swine Graphics & Iowa Select			X			Multiple bldgs	\$5 M+	\$5 M	50
Natural gas pipeline	X			X		0	\$5 M	\$0	0

Landslide events are not projected to affect any critical assets identified in this plan.

Hazard: River Floods	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
West Lake and dam	X		X			0	\$10 M	\$0	0
Wastewater collection pipes	X					0	\$10 M	\$10 K	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750

Hazard: River Flooding	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
East Lake Park and dam		X	X			Misc. bldgs.	\$6 M	\$ 2 M	100 campers
BNSF Railroad			X	X		0	\$10 M	\$0	N/A
Natural gas pipeline	X			X		0	\$5 M	\$0	0
I-35 bridge over S. Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over White Breast Cr.				X		0	\$3 M	\$0	Varies
R35 bridge over S. Squaw Cr.				X		0	\$2 M	\$0	Varies
R35 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
R45 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
US 69 Bridge over White Breast Cr.				X		0	\$2 M	\$0	Varies
R59 bridge over Otter Cr.				X		0	\$2 M	\$0	Varies
R15 bridge over Long Cr.				X		0	\$2 M	\$0	Varies
SIRWA trunk water line	X					0	\$5 M	\$100 K	0

Hazard: Fixed Hazardous Materials Incidents Area of vulnerability: City of Osceola

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station ***	X					6,000	\$2.2 M	\$2 M	25
Osceola Library					X	5,000	\$2 M	\$1 M	50
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
West Lake and dam	X		X			0	\$10 M	\$0	0
County Law Center	X			X		10,000	\$5 M	\$5 M	100
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Clarke Jr/Sr High School		X	X			75,000	\$9 M	\$9 M	750
Wastewater collection pipes	X					0	\$10 M	\$10 K	0
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750
North Main Manor		X				16,422	\$2 M	\$1 M	100
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200

Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
Assisted Living Project		X				20,000	\$2 M	\$1 M	100
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Natural gas pipeline	X			X		0	\$1 M	\$0	0
Fillmore and Lincoln Sts. RR Underpasses				X		0	\$2 M	\$0	Varies

Hazard: Fixed Hazardous Materials Incidents	Area of vulnerability: City of Woodburn
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	Woodburn WWT lagoons	X	X	X	X				

Hazard: Fixed Hazardous Materials Incidents	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	Clarke County Landfill	X	X	X	X				

Hazard: Pipeline Transportation Incident	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station ***	X					6,000	\$2.2 M	\$2 M	25
Clarke County Hospital	X	X	X			40,000	\$10 M	\$15 M	500
Osceola Library					X	5,000	\$2 M	\$1 M	50
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
County Law Center	X			X		10,000	\$5 M	\$5 M	100
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Clarke Jr/Sr High School		X	X			75,000	\$9 M	\$9 M	750
Wastewater collection pipes	X					0	\$10 M	\$10 K	0
Water towers	X					0	\$2 M	\$10 K	0
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750
North Main Manor		X				16,422	\$2 M	\$1 M	100
Full Harvest		X				22,293	\$2 M	\$1 M	100
Southern Hills Specialty Care		X				50,000	\$5.5 M	\$3.5 M	100
Clarke Co. Hist. Museum					X	5,000	\$500 K	\$500 K	50
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
Assisted living project		X				20,000	\$2 M	\$1 M	100
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Natural gas pipeline	X			X		0	\$1 M	\$0	0
Fillmore and Lincoln Sts. RR Underpasses				X		0	\$2 M	\$0	Varies

Hazard: Railroad Transportation Incidents	Area of vulnerability: City of Murray
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
City Hall	X					1,000	\$100 K	\$25 K	10
Fire Station	X					1,000	\$200 K	\$500 K	20
Wastewater collection pipes	X					0	\$750 K	\$0	0
BNSF Railroad			X	X		0	\$200 K	\$0	N/A

Hazard: Rail Transportation Incidents	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station ***	X					6,000	\$2.2 M	\$2 M	25
Osceola Library					X	5,000	\$2 M	\$1 M	50
SWCC Osceola Campus			X			5,000	\$2 M	\$3 M	100
The Village Childcare Center		X	X			17,185	\$2 M	\$2 M	100
County Law Center	X			X		10,000	\$5 M	\$5 M	100
Wastewater collection pipes	X					0	\$10 M	\$10 K	0
Water towers	X					0	\$2 M	\$10 K	0
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
North Main Manor		X				16,422	\$2 M	\$1 M	100
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M	1,000
Wal-mart store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – Warehouse			X			35,169	\$2 M	\$2 M	50
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Natural gas pipeline	X			X		0	\$1 M	\$0	0
US 34/I-35 bridge				X		0	\$5 M	\$0	Varies

BNSF/I-35 bridge				X		0	\$3 M	\$0	Varies
Fillmore and Lincoln Sts. RR Underpasses				X		0	\$2 M	\$0	Varies

Hazard: Rail Transportation Incidents	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
BNSF Railroad			X	X		0	\$10 M	\$0	N/A
Natural gas pipeline	X			X		0	\$5 M	\$0	0
US 34/BNSF RR bridge				X		0	\$3 M	\$0	Varies
Exit 29 bridge				X		0	\$2 M	\$0	Varies
BNSF bridge over Kansas St.				X		0	\$3 M	\$0	Varies
BNSF bridge over 288 th St.				X		0	\$3 M	\$0	Varies
BNSF bridge over 300 th St.				X		0	\$3 M	\$0	Varies
SIRWA trunk water line	X					0	\$5 M	\$100 K	0

Hazard: Structural Fires and Failures	Area of vulnerability: City of Murray
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
City Hall	X					1,500	\$100 K	\$25 K	10
Fire Station	X					1,000	\$200 K	\$500 K	20
Small Wonders Childcare Center		X	X			3,968	\$400 K	\$100 K	30
Murray Schools		X	X			50 K	\$5 M	\$5 M	500
Church of Christ				X	X	3,000	\$500 K	\$150 K	200
Dekko Mfg.			X			30,000	\$1 M	\$1 M	50
BNSF Railroad			X	X		0	\$200 K	\$0	N/A

Hazard: Structural Fires and Failures	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station ***	X					6,000	\$2.2 M	\$2 M	25
Clarke County Hospital	X	X	X			40,000	\$10 M	\$15 M	500
Osceola Library					X	5,000	\$2 M	\$1 M	50
SWCC Osceola Campus			X			5,000	\$2 M	\$3 M	100
The Village Childcare Center		X	X			17,185	\$2 M	\$2 M	100
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
Alliant Energy Service Center	X					13,979	\$2 M	\$2 M	100
County Law Center	X			X		10,000	\$5 M	\$5 M	100
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Clarke Jr/Sr High School		X	X			75,000	\$9 M	\$9 M	750
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750
North Main Manor		X				16,422	\$2 M	\$1 M	100
Full Harvest		X				22,293	\$2 M	\$1 M	100
Southern Hills Specialty Care		X				50,000	\$5.5 M	\$3.5 M	100
Clarke Co. Hist. Museum					X	5,000	\$500 K	\$500 K	50
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M **	1,000
Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Wal-mart store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – warehouse			X			35,169	\$2 M	\$2 M	50
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
Assisted living project		X				20,000	\$2 M	\$1 M	100
US 34/I-35 bridge				X		0	\$5 M	\$0	Varies
BNSF/I-35 bridge				X		0	\$3 M	\$0	Varies
I-35 Exit 34 bridge				X		0	\$2.5 M	\$0	Varies
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Natural gas pipeline	X			X		0	\$1 M	\$0	0

Hazard: Structural Fires and Failures	Area of vulnerability: City of Woodburn
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
City Hall/Fire Station	X					3,200	\$300 K	\$500 K	25
BNSF Railroad			X	X		0	\$200 K	\$0	Varies
Two small creek bridges					X	0	\$500 K	\$0	Varies

Hazard: Structural Fires and Failures Area of vulnerability: Rural Clarke County

Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Iowa State Patrol office	X					5,000	\$1 M	\$1 M	50
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
Electric substations	X					0	\$5 M	\$0	0
Osceola Airport	X		X			10,000	\$5 M	\$1 M	25
Magellan Pipeline pumping station	X					1,000	\$5 M	\$1 M	1
Swine Graphics & Iowa Select			X			Multiple bldgs	\$5 M+	\$5 M	50
BNSF Railroad			X	X		0	\$10 M	\$0	N/A
Natural gas pipeline	X			X		0	\$5 M	\$0	0
Exit 29 bridge				X		0	\$2 M	\$0	Varies
Exit 36 bridge				X		0	\$2 M	\$0	Varies
H48 bridge over I-35				X		0	\$2 M	\$0	Varies
H50 bridge over I-35				X		0	\$2 M	\$0	Varies
Robin St. bridge over I-35				X		0	\$2 M	\$0	Varies
I-35 bridge over S. Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over White Breast Cr.				X		0	\$3 M	\$0	Varies
R35 bridge over S. Squaw Cr.				X		0	\$2 M	\$0	Varies
R35 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
R45 bridge over Squaw Cr.				X		0	\$2 M	\$0	Varies
US 69 Bridge over White Breast Cr.				X		0	\$2 M	\$0	Varies
R59 bridge over Otter Cr.				X		0	\$2 M	\$0	Varies
R15 bridge over Long Cr.				X		0	\$2 M	\$0	Varies
BNSF bridge over Kansas St.				X		0	\$3 M	\$0	Varies
BNSF bridge over 288 th St.				X		0	\$3 M	\$0	Varies
BNSF bridge over 300 th St.				X		0	\$3 M	\$0	Varies

Hazard: Hazards that Affect all of Clarke County	Area of vulnerability: City of Murray
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
City Hall	X					1,500	\$100 K	\$25 K	10
Fire Station	X					1,000	\$200 K	\$500 K	20
Small Wonders Childcare Center		X	X			3,968	\$400 K	\$100 K	30
Murray Schools		X	X			50 K	\$5 M	\$5 M	500
Church of Christ				X	X	3,000	\$500 K	\$150 K	200
Dekko Mfg.			X			30,000	\$1 M	\$1 M	50
BNSF Railroad			X	X		0	\$200 K	\$0	N/A

Hazard: Transportation Hazardous Materials Incidents	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
County Courthouse	X		X	X		20,000	\$5 M	\$3 M	200
City Hall	X					3,000	\$500 K	\$250 K	50
Fire Station ***	X					6,000	\$2.2 M	\$2 M	25
Osceola Library					X	5,000	\$2 M	\$1 M	50
SWCC Osceola Campus			X			5,000	\$2 M	\$3 M	100
The Village Childcare Center		X	X			17,185	\$2 M	\$2 M	100
Osceola WTP	X					2,500	\$3 M	\$3 M	25
Osceola WWTP	X					2,500	\$3 M	\$3 M	25
West Lake and dam	X		X			0	\$10 M	\$0	0
County Law Center	X			X		10,000	\$5 M	\$5 M	100
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
Casino and hotel		X	X	X		49,499	\$5 M	\$5 M	750
North Main Manor		X				16,422	\$2 M	\$1 M	100
Full Harvest		X				22,293	\$2 M	\$1 M	100
Southern Hills Specialty Care		X				50,000	\$5.5 M	\$3.5 M	100
Clarke Co. Hist. Museum					X	5,000	\$500 K	\$500 K	50
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M **	1,000

Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Wal-mart store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Miller Industries			X			23,160	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – Warehouse			X			35,169	\$2 M	\$2 M	50
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
Clarke Electric Co-op	X		X			26,506	\$2 M	\$2 M	50
Gas border station	X		X			0	\$2 M	\$0	0
Assisted living project		X				20,000	\$2 M	\$1 M	100
BNSF Railroad			X	X		0	\$1 M	\$0	Varies

Hazard: Transportation Hazardous Materials Incidents	Area of vulnerability: City of Woodburn
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
		X	X	X	X	X			
City Hall/Fire Station	X					3,200	\$300 K	\$500 K	25
BNSF Railroad			X	X		0	\$200 K	\$0	Varies

Hazard: Transportation Hazardous Materials Incidents	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
		X	X	X	X	X			
Iowa State Patrol Office	X					5,000	\$1 M	\$1 M	50
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
Osceola Airport	X		X			10,000	\$5 M	\$1 M	25
Magellan Pipeline pumping station	X					1,000	\$5 M	\$1 M	1
Swine Graphics & Iowa Select hog facilities			X			Multiple bldgs.	\$5 M+	\$5 M	50
BNSF Railroad			X	X		0	\$10 M	\$0	N/A

Hazard: Transportation Radiological Incidents	Area of vulnerability: City of Osceola
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Osceola Library					X	5,000	\$2 M	\$1 M	50
SWCC Osceola Campus			X			5,000	\$2 M	\$3 M	100
The Village Childcare Center		X	X			17,185	\$2 M	\$2 M	100
Clarke Elementary School		X	X			60,000	\$6 M	\$6 M	750
Wastewater collection pipes	X					0	\$10 M	\$10 K	0
Water towers	X					0	\$2 M	\$10 K	0
Amtrak Station			X	X		2,000	\$250 K	\$250 K	0
Electric substations	X					0	\$5 M	\$0	0
Southern Hills Specialty Care		X				50,000	\$5.5 M	\$3.5 M	100
Mosaic, Inc., facility		X				10,000	\$1 M	\$500 K	50
Osceola Methodist Church				X		5,000	\$500 K	\$500 K	200
Clarke County Fairground		X	X			38,862	\$5 M	\$5 M **	1,000
Hy-Vee Food Store			X	X		27,632	\$5 M	\$5 M	150
Fareway Food Store			X	X		24,278	\$5 M	\$5 M	150
Wal-mart store			X	X		99,594	\$8 M	\$8 M	300
Osceola Foods complex			X	X		590,842	\$10 M	\$15 M	750
Mueller Industries			X			212,800	\$5 M	\$7.5 M	250
Majona Corp.			X			55,046	\$5 M	\$7.5 M	250
Simco Mfg.			X			26,300	\$5 M	\$7.5 M	250
Astoria Industries			X			135,971	\$5 M	\$7.5 M	250
Boyt Harness – warehouse			X			35,169	\$2 M	\$2 M	50
Salford – MacLander Inc.			X			55,434	\$2 M	\$2 M	50
BNSF Railroad			X	X		0	\$1 M	\$0	Varies
Natural gas pipeline	X			X		0	\$1 M	\$0	0
US 34/I-35 bridge				X		0	\$5 M	\$0	Varies
BNSF/I-35 bridge				X		0	\$3 M	\$0	Varies

Hazard: Transportation Radiological Incident	Area of vulnerability: Rural Clarke County
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Name or Description of Asset	Critical Facilities	Vulnerable Populations	Economic Assets	Social Considerations	Historic/Other Considerations	Size of Building (Sq. Ft.)	Replacement Value(\$)	Contents Value (\$)	Occupancy (#)
	X	X	X	X	X				
Iowa State Patrol office	X					5,000	\$1 M	\$1 M	50
Clarke County Landfill				X		1,000	\$2 M	\$500 K	5
Water towers (SIRWA)	X					0	\$4 M	\$20 K	0
BNSF Railroad			X	X		0	\$10 M	\$0	N/A
US 34/BNSF RR bridge				X		0	\$3 M	\$0	Varies

Exit 29 bridge				X		0	\$2 M	\$0	Varies
Exit 36 bridge				X		0	\$2 M	\$0	Varies
H48 bridge over I-35				X		0	\$2 M	\$0	Varies
H50 bridge over I-35				X		0	\$2 M	\$0	Varies
Robin St. bridge over I-35				X		0	\$2 M	\$0	Varies
I-35 bridge over S. Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over Squaw Cr.				X		0	\$3 M	\$0	Varies
I-35 bridge over White Breast Cr.				X		0	\$3 M	\$0	Varies
SIRWA trunk water line	X					0	\$5 M	\$100 K	0

Hazard Ranking (Please list the Hazard Ranking for each jurisdiction if a multi-jurisdictional plan)

Please pick from the dropdown list (a list by rank of the statewide hazards). If you determined a hazard that was not on the state list

Jurisdiction name	# 1 Hazard	# 2 Hazard	# 3 Hazard	# 4 Hazard	# 5 Hazard	# 6 Hazard	# 7 Hazard	# 8 Hazard	# 9 Hazard	# 10 Hazard
Clarke County	Thunderstorm and Lightning	Windstorms	Flash Flood	Tornadoes	Structural Fire	Energy Failure	Drought	Grass or Wild-land Fire	Severe Winter Storms	Extreme Heat
City of Murray	Thunderstorm and Lightning	Windstorms	Flash Flood	Tornadoes	Structural Fire	Energy Failure	Drought	Extreme Heat	Severe Winter Storms	Transportation Hazardous Materials
City of Osceola	Thunderstorm and Lightning	Windstorms	Flash Flood	Tornadoes	Structural Fire	Energy Failure	Drought	Extreme Heat	Severe Winter Storms	Transportation Hazardous Materials
City of Woodburn	Thunderstorm and Lightning	Windstorms	Flash Flood	Tornadoes	Structural Fire	Energy Failure	Drought	Extreme Heat	Severe Winter Storms	Transportation Hazardous Materials

Adair	Animal/Crop/Plant Disease	Prevention
Adams	Thunderstorm and Lightning	Property Protection
Allamakee	Human Disease Pandemic	Public Education and Awareness
Appanoose	Flash Flood	Natural Resource Protection
Audubon	Tornadoes	Emergency Services
Benton	Fixed Hazardous Materials	Structural Projects
Black Hawk	Transportation Hazardous Materials	
Boone	Structural Fire	
Bremer	Windstorms	
Buchanan	Highway Transportation Incident	
Buena Vista	Rail Transportation Incident	
Butler	Terrorism	
Calhoun	Air Transportation Incident	
Carroll	Extreme Heat	
Cass	Hailstorms	
Cedar	Grass or Wild-land Fire	
Cerro Gordo	Fixed Radiological	
Cherokee	Pipeline Transportation Incident	
Chickasaw	Sinkholes	
Clarke	Human Disease Incident	
Clay	River Flooding	
Clayton	Waterway Incident	
Clinton	Severe Winter Storms	
Crawford	Energy Failure	
Dallas	Levee Failure	
Davis	Drought	
Decatur	Structural Failure	
Delaware	Public Disorder	
Des Moines	Earthquakes	
Dickinson	Communications Failure	
Dubuque	Radiological Transportation Incident	
Emmet	Landslide	
Fayette	Dam Failure	
Floyd	Expansive Soils	
Franklin		
Fremont		
Greene		
Grundy		
Guthrie		
Hamilton		
Hancock		
Hardin		
Harrison		
Henry		
Howard		
Humboldt		
Ida		
Iowa		
Jackson		
Jasper		
Jefferson		
Johnson		
Jones		
Keokuk		
Kossuth		
Lee		
Linn		
Louisa		
Lucas		
Lyon		
Madison		
Mahaska		
Marion		
Marshall		
Mills		
Mitchell		
Monona		
Monroe		
Montgomery		
Muscatine		
O'Brien		
Osceola		
Page		
Palo Alto		
Plymouth		
Pocahontas		
Polk		
Pottawattamie		
Poweshiek		
Ringgold		
Sac		
Scott		
Shelby		
Sioux		
Story		
Tama		
Taylor		
Union		
Van Buren		
Wapello		
Warren		
Washington		
Wayne		
Webster		
Winnebago		
Winneshiek		
Woodbury		
Worth		
Wright		