

these communities, and may very well prevent injuries and even deaths by warning people to take shelter. Additional sirens where needed should be strongly considered.

Timeframe- The addition of early warning systems to communities can be a costly expenditure and may have to be tied in to a community budget, so this mitigation project may take 2-3 years to become fully operational. However, the sooner the early warning is in place the more likely it is to become a useful tool in protecting the community.

Responsible Jurisdictions/Agencies- The cities of Fairmont, Welcome, Dunnell, Sherburn, Trimont, East Chain, and Granada, as well as the manufacturers/distributors of appropriate early warning systems, would have to be involved in this mitigation project.

Possible Funding- Costs for early warning systems would be paid out of funds available for use by the cities that decide to utilize this mitigation project.

Priority Level-1

- **Mitigation Project-** Utilization of severe storm spotters network in all Martin County cities. The severe storm spotters network are specially trained to spot and report severe summer storm activity, which is in turn used to provide warnings to specific areas of an impending severe summer storm threat. Their training and methods should be reviewed and updated periodically to ensure their continued success.

Timeframe- Most cities already utilize severe storm spotters. This should be continued as needed indefinitely.

Responsible Jurisdictions/Agencies- It would be up to individual communities within Martin County to decide how and when to utilize severe storm spotters.

Possible Funding- Many severe storm spotters are fire department members or police officers, so funding for them may come out of applicable city funds.

Priority Level-2

- **Mitigation Project-** Encourage the public to listen to local news sources, including television and radio broadcasts. These broadcasts can be extremely useful in disseminating information to residents in the event of a severe summer storm event, but are only effective if they are utilized. Reminders could be placed in city correspondence (such as water bills or newsletters) and on city web sites, if they are available.

Timeframe- This mitigation project can be implemented immediately, and should especially be encouraged during the summer storm season when events are most likely to occur.

Responsible Jurisdictions/Agencies- Local cities would be largely responsible for implementation of this mitigation project. Local news sources may also be involved through use of their own broadcasts making note of their severe weather alert capabilities.

Possible Funding- This mitigation project can be done at minimal cost and would likely be funded primarily by local city governments.

Priority Level-2

- **Mitigation Project-** Adoption and improved enforcement of the State Building Code. Ensuring that the Minnesota State Building Code is utilized and adhered to will help prevent structures from being overly vulnerable to the damaging effects of summer storm events.

Timeframe- Adoption and increased enforcement of the Minnesota State Building Code can be implemented immediately and continued indefinitely.

Responsible Jurisdictions/Agencies- Communities within Martin County that have not already adopted the State Building Code would be responsible for the implementation of this project.

Possible Funding- Funding for this mitigation project would primarily come from the city governments.

Priority Level-3

- **Mitigation Project-** Provide education regarding disaster preparedness as it relates to summer storm events. Providing such education would increase the public's knowledge of what to do prior to, during, and after a severe storm event, and help protect them from the hazard itself or secondary hazards associated with a summer storm event.

Timeframe- Some communities currently provide such education, and this should be continued, but those that do not should undertake education on disaster preparedness in the near future. This may come in the form of community classes that may be offered annually or bi-annually, or other forms of educational outreach that communities may deem appropriate.

Responsible Jurisdictions/Agencies- Cities would primarily be responsible for educational outreach regarding disaster preparedness for summer storms in their jurisdiction. Information and assistance may also come from Martin County, the State of Minnesota, and Federal agencies such as FEMA.

Possible Funding- Funding for summer storm preparedness education could come from city funds as well as by grant money available for such projects, assuming the community qualifies to receive such grant funding.

Priority Level-3

Hazard: Flooding

- **Mitigation Project-** Focus on eliminating or limiting effects of a flood event on flood-prone areas, particularly flood-prone areas located in Truman. By working to eliminate flood-prone areas before a flood occurs, the impact will not be as great at the time of the flood.

Timeframe- This project should be considered as ongoing until all flood-prone areas have been mitigated to as much a degree as can be considered reasonable.

Responsible Jurisdictions/Agencies- Could include Martin and all communities within Martin County that have areas that are particularly flood-prone, especially Truman and Fairmont, which have both identified areas prone to flooding.

Possible Funding- Funding for this mitigation project could come from any source available to Martin or communities thereof, including disaster mitigation grants.

Priority Level-1

- **Mitigation Project-** Creation of a new outlet ditch or ditches and enlargement of storm sewer pipes in the City of Truman. This mitigation project may assist in preventing the occasional spot flooding that occurs in the community in times of heavy rain.

Timeframe- This project would likely take several years to complete and would likely be considered a part of the community capital improvements program.

Responsible Jurisdictions/Agencies- The City of Truman would be responsible for the design and implementation of this project.

Possible Funding- Funding for the creation of new outlet ditches and enlargement of city storm sewer pipes could come from any and all proper and applicable funds available to the City of Truman.

Priority Level-1

- **Mitigation Project-** Encouragement and careful review of wetland projects in all Martin County areas. Wetland projects help to alleviate the potential for flooding as they provide an area for waters to retreat to, rather than flooding streets and homes. Cities should encourage projects that protect or create wetlands as much as possible.

Timeframe- This mitigation project, if not already being performed, should be undertaken immediately and be considered as an ongoing project.

Responsible Jurisdictions/Agencies- Review and encouragement of wetland projects can be accomplished via Martin County environmental and planning/zoning personnel, as well as by planning/zoning staff at the local level. Private developers may also be involved.

Possible Funding- Would likely be funded through available county funds and city government funds, probably through use of staff time.

Priority Level-2

- **Mitigation Project-** Have items readily available for victims and responders in Granada, Truman, and Fairmont. Educational material pertaining to flood events would be made available at public buildings. Flood responders should have proper equipment available to assist those who need help in times of a flood.

Timeframe- This mitigation strategy should be implemented soon. While Martin County is not faced with flood events very often it is still a possibility.

Responsible Jurisdictions/Agencies- The communities of Granada, Truman, and Fairmont would be primarily responsible for the implementation of this strategy.

Possible Funding- Funding would likely be provided through local city government operating funds or through any funding available to cities for such projects.

Priority Level-2

- **Mitigation Project-** Education of key personnel, particularly in the communities of Granada, Truman, and Fairmont. Community personnel that are likely to be involved with the immediate effects of a flooding event (such as fire department and police department staff) should undergo continuing training to ensure that they have the newest and best knowledge and resources available to them so that they may be more effective in dealing with flood emergencies.

Timeframe- This mitigation project is already in place in many communities, but it should be ongoing for all of them. Education workshops, seminars, conferences, etc. are held occasionally and applicable training should be considered at all times.

Responsible Jurisdictions/Agencies- City fire department and police staff would be the most likely to be involved with ongoing education regarding flood hazard events. County officials may be involved as well. Some of the training may be conducted State of Minnesota agencies, federal agencies such as FEMA, and the U.S. Corps of Engineers.

Possible Funding- Funding for education of key personnel can come from local city governments, from fire department of police department funds, and grants for emergency preparedness.

Priority Level-2

- **Mitigation Project-** Coordination of preparations for and response to a flood emergency with other agencies, including any applicable Martin County, State of Minnesota, and federal agencies.

Timeframe- Already in progress and should be considered an ongoing project.

Responsible Jurisdictions/Agencies- Martin County officials and cities within Martin County should be responsible for the implementation of this mitigation project.

Possible Funding- This mitigation project should not require extensive funding, and most of the costs would probably be incurred due to use of staff time from coordination activities. This may be funded by any proper means available to the responsible agencies.

Priority Level-3

- **Mitigation Project-** Creation and maintenance of a communications plan for use in the event of a flood emergency. Martin County, as well as all cities within the county, should have a communications plan in place to direct methods and lines of communications in the event of a flood emergency, such as points of contact for different agencies and assignments of radio frequencies for electronic communications devices.

Timeframe- This mitigation project could be prepared and implemented relatively rapidly, likely within a few months time.

Responsible Jurisdictions/Agencies- County emergency management officials, sheriff and law enforcement departments at the city and county levels, fire departments, and city public works may all be involved to some degree.

Possible Funding- Establishment of a communications plan would not be very costly, and would rely more on coordination with other local agencies, but any required funding could come from the cities or Martin County.

Priority Level-3

Hazard: Wildfire

- **Mitigation Project-** Provision of proper equipment to adequately fight wildfires for all Martin County fire departments. The rough terrain and remote locations associated with wildfires can only be reached by dedicated off-road vehicles that not all fire departments have. Arrangements to share equipment may also be considered and is discussed as an earlier mitigation project.

Timeframe- Agreements to share off-road capable equipment can be made quickly and easily, but significant time may be required to raise funds needed to purchase proper off-road equipment if this is considered.

Responsible Jurisdictions/Agencies- Individual Martin County community fire departments would be responsible for this mitigation project.

Possible Funding- Funding for new equipment can come out of fire department funds and can be assisted by grants or fund-raising activities and even private donations (such as those sometimes provided by local non-profit civic groups).

Priority Level-1

- **Mitigation Project-** Encourage fire department participation in annual DNR-provided training classes specific to wildfires, and any other relevant training exercises as needed.

Timeframe- Can be undertaken as soon as possible in not already being utilized by all Martin County fire departments. This mitigation project is likely to be performed on an annual or bi-annual basis.

Responsible Jurisdictions/Agencies- Local level fire departments would be primarily responsible for this project.

Possible Funding- Could be provided as part of fire department operating costs, if needed. Emergency management grants may available to pay for some costs.

Priority Level-1

- **Mitigation Project-** Participation by all Martin County cities in the national FireWise wildfire education program, which provides tools for risk assessment/reduction to interested communities.

Timeframe- Depending on the amount of time required to become involved with the FireWise program, could be implemented over the course of 6 months – one year. May be continued on an annual basis or any other reasonable set schedule as deemed appropriate.

Responsible Jurisdictions/Agencies- Local city governments and fire departments would be involved and would oversee this project, which is administered by the Minnesota State DNR. The FireWise program itself is a national program so it may have some federal oversight.

Possible Funding- Participation if FireWise could be paid for by city funds and could also possibly be offset by some grant opportunities.

Priority Level-1

- **Mitigation Project-** Clarification of state land management issues. The DNR is responsible for operating all state lands within Martin County, and clearing brush and vegetation in fire-prone areas can be an effective strategy. Who is responsible for clearing brush and fighting wildfires in these areas should be clearly understood by all fire departments involved.

Timeframe- This project can be undertaken immediately. This project would operate on a short timeframe and can be easily achieved.

Responsible Jurisdictions/Agencies- The Minnesota DNR, Martin County environmental officials, and local fire departments would all be involved in this mitigation project.

Possible Funding- This project should not require extensive funding as it relies more on basic communication between agencies, and costs would primarily be limited to staff time used by different agencies.

Priority Level-2

- **Mitigation Project-** Coordination between fire departments and fire districts in times of increased need for assistance. Fire departments respond to any wildfires within their own district, but they may coordinate and assist each other in the event of a large wildfire.

Timeframe- This coordination between fire departments and districts is already in place and should be continued indefinitely, and revised occasionally to ensure the best possible use of services.

Responsible Jurisdictions/Agencies- All county fire departments may be considered as responsible agencies for the implementation of this mitigation project.

Possible Funding- This mitigation project requires minimal costs, if any, but any associated costs would likely be provided by local fire department funds.

Priority Level-2

- **Mitigation Project-** Utilization of zoning ordinances to help prevent damage to built areas due to wildfires. Martin County, as well as staff in communities, should review and revise local zoning ordinances as needed to ensure that adequate distances are being maintained as a buffer from wildfire-prone areas.

Timeframe- This project can be utilized immediately and should be reviewed occasionally, perhaps yearly, to update as necessary.

Responsible Jurisdictions/Agencies- Martin County planning/zoning department and all city planning/zoning staff would be responsible for implementation of this project.

Possible Funding- Funded as a part of staff time for city and county staff who may work on the project.

Priority Level-3

- **Mitigation Project-** Provide education regarding disaster preparedness as it relates to wildfire events. Providing such education would increase the public's knowledge of what to do prior to, during, and after a severe storm event, and help protect them from the hazard itself or secondary hazards associated with a summer storm event.

Timeframe- Some communities currently provide such education, and this should be continued, but those that do not should undertake education on disaster preparedness in the near future. This may come in the form of community classes that may be offered annually or bi-annually, or other forms of educational outreach that communities may deem appropriate.

Responsible Jurisdictions/Agencies- Cities would primarily be responsible for educational outreach regarding disaster preparedness wildfires in their jurisdiction. Information and assistance may also come from Martin County, the State of Minnesota, and Federal agencies such as FEMA.

Possible Funding- Funding for wildfire preparedness education could come from city funds as well as by grant money available for such projects, assuming the community qualifies to receive such grant funding.

Priority Level-3

- **Mitigation Project-** Creation and maintenance of an evacuation plan by all cities. All Martin County communities should have such a plan in place describing and depicting appropriate routes out of the community in case of a large fire that poses an imminent threat to the community. Also considered a strategy for urban or structural fire.

Timeframe- Should be created by all communities as soon as possible, project could be accomplished within several months in most cases.

Responsible Jurisdictions/Agencies- Each community would be responsible for the creation of their own specific evacuation plan.

Possible Funding- Funding for this mitigation project could come from any source available to the community, including disaster mitigation grants if applicable.

Priority Level-3

Hazard: Extreme Temperature

- **Mitigation Project-** Provide education regarding disaster preparedness as it relates to extreme temperature hazard events. Providing such education would increase the public's knowledge of what to do prior to, during, and after a severe storm event, and help protect them from the hazard itself or secondary hazards associated with a summer storm event.

Timeframe- Some communities currently provide such education, and this should be continued, but those that do not should undertake education on disaster preparedness in the near future. This may come in the form of community classes that may be offered annually or bi-annually, or other forms of educational outreach that communities may deem appropriate.

Responsible Jurisdictions/Agencies- Cities would primarily be responsible for educational outreach regarding disaster preparedness for extreme temperatures in their jurisdiction. Information and assistance may also come from Martin County, the State of Minnesota, and Federal agencies such as FEMA.

Possible Funding- Funding for extreme temperature hazard preparedness education could come from city funds as well as by grant money available for such projects, assuming the community qualifies to receive such grant funding.

Priority Level-1

- **Mitigation Project-** Broadcasting of National Weather Service issues heat advisories by local radio and television stations in times of extreme heat. Issuance of heat advisories serves to warn residents of dangers imposed by extreme heat.

Timeframe- This mitigation project is already being consistently utilized and should be considered an ongoing project.

Responsible Jurisdictions/Agencies- The National Weather Service makes the decision as to when and where heat advisories are issued, but it is up to local broadcast media to decide how they wish to disseminate this information.

Possible Funding- This mitigation strategy should not require any funding on the part of local government or any other Martin County agencies.

Priority Level-2

- **Mitigation Project-** Broadcasting of National Weather Service issues wind chill/extreme cold advisories by local radio and television stations in times of extreme cold or wind chill. Issuance of these advisories serves to warn residents of dangers imposed by extreme cold and/or wind chill.

Timeframe- This mitigation project is already being consistently utilized and should be considered an ongoing project.

Responsible Jurisdictions/Agencies- The National Weather Service makes the decision as to when and where extreme cold/wind chill advisories are issued, but it is up to local broadcast media to decide how they wish to disseminate this information.

Possible Funding- This mitigation strategy should not require any funding on the part of local government or any other Martin County agencies.

Priority Level-2

- **Mitigation Project-** Closing of public and private schools when necessary for safety of students and staff in times of extreme temperatures. In Minnesota, this is more likely to occur during times of extreme cold, due to many schools not being in session during the summer months when extreme heat events are more likely to occur.

Timeframe- This mitigation strategy is already in use as conditions necessitate and should be considered an ongoing project.

Responsible Jurisdictions/Agencies- The Governor of Minnesota has the power to close all schools in the state in times of extreme temperatures, and has done so several times in

the past. It is more common that school district officials make this judgment. Local television and radio station are usually responsible for disseminating information regarding school closures.

Possible Funding- This mitigation strategy does not require any funding on the part of Martin County officials or any local government officials of communities within the county.

Priority Level-2

Hazard: Drought

- **Mitigation Project-** Utilization of water conservation strategies as needed. Water conservation provisions and use restrictions in times of drought are usually included in city ordinances. These ordinances should be put in place if they do not currently exist, reviewed periodically to ensure they are appropriate, and enacted if deemed necessary due to a drought event.

Timeframe- Review and/or additions to water conservation strategies may take from several months to a year or more for many cities.

Responsible Jurisdictions/Agencies- Planning/zoning staff and city councils of all cities would be the primary responsible parties for review and adoption of new ordinances, if necessary. They would also be responsible for deciding when to enact the water restrictions these ordinances authorize and for what duration.

Possible Funding- This mitigation project would be funded through city funds in most cases, as it would mainly require staff time for review/additions of ordinance.

Priority Level-1

- **Mitigation Project-** Identification of water access points for human and animal consumption that may be utilized in the event of a drought. An inventory of these water access points should be created, maintained, and updated as needed.

Timeframe- This mitigation project would take considerable time, due to the sheer volume of water access points located throughout Martin County. A proper inventory and cataloging of them all may take at least a year. Updates should occur every 3-5 years.

Responsible Jurisdictions/Agencies- The County and city members of the hazard mitigation task force would work cooperatively on this mitigation project.

Possible Funding- This project would likely be funded primarily through any appropriate funding available to Martin County and individual communities.

Priority Level-2