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HAZARD MITIGATION GOALS AND OBJECTIVES

5.1 Previous Hazard Mitigation Accomplishments

44 CFR Requirement 201.6 (d) (3)

A local jurisdiction must review and revise its plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit if for approval within 5 years in order to continue to be eligible for mitigation project grant funding.

No significant changes in land development have been recorded in Carver County since the 2006 Carver County Hazard Mitigation Plan (HMP). The Carver County Multijurisdictional Hazard Mitigation Planning Committee determined that the priorities in 2006 still apply for this plan update. In the 2006 Carver County HMP, several action items were identified to mitigate hazards in the community.

The following mitigation activities have taken place in accordance with the action steps listed (see chapter 10 of the 2006 Carver County HMP).

Action Item 1: Building Code Improvements. This action item was completed in 2008 with an amendment to the county plumbing plan and ongoing fee process updates. This effort is ongoing and is included in the all hazards action items in section 5.2.6.

Action Item 2: Improved Code Enforcement. A new building official was contracted and one in-house employee was certified in building official duties to complete this action item in 2010. This effort is ongoing and is included in the all hazards action items in section 5.2.6.

Action Item 3: Review of Plans and Development Regulations. This action item was completed in 2011 following new zoning maps, zoning codes, floodplain maps, and the Carver County 2030 Comprehensive Plan update.

Action Item 4: Facility Audits. All existing county-owned critical facilities were audited in 2008. Other critical facilities, as well as new facilities, will be audited and therefore this effort is ongoing. This action item is included in the all hazards action items in section 5.2.6.

Action Item 5: Drainage Maintenance: The local drainage system has been mapped but there is still work to be done on this particular action item. Remaining work for this action item is included in section 5.2.1.

Action Item 6: Improved Emergency Response. Carver County Emergency Management annually updates emergency response plans and meets quarterly with county fire chiefs and hazardous materials teams in an effort to continually improve emergency response capabilities. This item is ongoing and is included in the all hazards action items in section 5.2.6.

Action Item 7: Flood Control Projects. Carver County completed bridge work on County Road 11 and the City of Carver levee in 2011 in accordance with this action item. Flood control projects are ongoing and several new projects are listed as action items in section 5.2.1.

Action Item 8: Hazard Mitigation Items. Throughout the development of the Carver County Multijurisdictional HMP update, public outreach was conducted via website postings and press releases. Informing and educating the public is an essential objective of the mitigation planning process and several action items are included to ensure it is accomplished. This action item is therefore ongoing.

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Action Item 9: Outreach Projects. Several outreach projects were completed in accordance with this action item. Through the Carver County website and ReadyCarver website, safety campaigns on severe weather, winter weather, and infectious disease are conducted annually. Several action items are included throughout this HMP update addressing public outreach on the topics of severe storms, tornadoes, hazardous materials incidents, pandemics, and flooding.

Action Item 10: Property Protection References. This action item has not been completed due to a lack of staff time. As a result, the effort to educate citizens on property protection is ongoing and is included in the all hazards action items in section 5.2.6.

5.2 Natural Hazard Mitigation Goals and Objectives

44 CFR Requirement

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| §201.6(c)(3) | The plan shall include the following: A <i>mitigation strategy</i> that provides the jurisdiction’s blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs, and resources, and its ability to expand on and improve these existing tools. |
| §201.6(c)(3)(i) | The hazard mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards. |
| §201.6(c)(3)(ii) | The hazard mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure. All plans approved by FEMA after October 1, 2008, must also address the jurisdiction’s participation in the NFIP, and continued compliance with NFIP requirements, as appropriate. |
| §201.6(c)(3)(iii) | The hazard mitigation strategy shall include an action plan, describing how the action identified in paragraph (c)(3)(ii) of this section will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs. |
| §201.6(c)(3)(iv) | For multijurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan. |
| §201.6(c)(4)(ii) | The plan shall include a process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvements, when appropriate. |

The foundation of this plan is the identification of strategies through which Carver County implement natural hazard mitigation goals, objectives, and actions. As identified in section 4, the Multijurisdictional Hazard Mitigation Planning Committee has a clear understanding of the community's hazards and risks. The next step is to develop a mitigation strategy. The multijurisdictional hazard mitigation goals, objectives, and actions are listed in this section are listed in order of priority. The methodology that was used to determine the priority of projects was based on repetition of the incident, monetary loss, anticipated costs, and the potential for loss of life. For each of the hazards identified in section, the Multijurisdictional Hazard Mitigation Planning Committee has outlined goals and objectives as part of the mitigation strategy. Mitigation actions for all the cities and townships within Carver County are incorporated into Carver County's goals, objectives, and actions.

5.2.1 Flooding

Mitigation Goals. Flooding has caused significant damage in Carver County. There are three major locations throughout the county where localized flooding is a problem. Mitigation strategies, which reduce the negative effects of flooding, must be considered. Flooding issues that arise following the development of this plan should be addressed in a timely manner with mitigation projects that address all aspects of the situation.

Range of Mitigation Options. The mitigation options to reduce the effects of flooding in Carver County and within the cities and townships include continual updates of policies and procedures, enhanced data collection, and efforts to reduce localized flooding.

Mitigation Strategies for Flooding:

- **Mitigation Goal #1:** Elevate highway bridge approaches in Carver County to reduce road closures.
- **Mitigation Goal #2:** Improve the flood levee on the northern bank of the East Creek in the City of Chaska, MN.
- **Mitigation Goal #3:** Update Notification and Warning Siren System in Carver County.
- **Mitigation Goal #4:** Identify and map all structures located in the identified floodplain in Carver County.
- **Objective #1:** Elevate the Highway 101 and Highway 41 bridge approaches to mitigate flooding.
- **Objective #2:** Protect the property and infrastructure located in the flood fringe in the City of Watertown.
- **Objective #3:** Evaluate and update activation system and install new sirens throughout Carver County and the cities and townships.
- **Objective #4:** Identify all residential and commercial structures in the floodplain throughout Carver County.

Action Steps:

- Review and update the FEMA flood maps for Carver County and its cities and townships so as to accurately map the actual floodplain and identify structures, both residential and commercial, not already on the FEMA maps.

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Responsible Organization	Carver County Land Management
Coordinating Organization	Carver County GIS Department
Time Line	Current –2011
Funding Sources	General funds, mitigation grants

- Work with the Minnesota Department of Transportation (MnDOT) to construct a 3,080-foot land bridge, raised to a minimum centerline elevation of 724 feet, within the existing MnDOT right-of-way to mitigate flooding on Highway 101.

Responsible Organization	Minnesota Department of Transportation
Coordinating Organization	Carver County Public Works
Time Line	Unknown
Approximate Cost	\$27.7 million ¹⁹
Funding Sources	State funds

- Follow the MnDOT recommendation to construct a 1,350-foot land bridge within the existing MnDOT right-of-way to increase the elevation of Highway 41 and avoid concerns over carrying traffic while partially submerged.

Responsible Organization	Minnesota Department of Transportation
Coordinating Organization	Carver County Public Works
Time Line	Ongoing
Approximate Cost	\$17 million ²⁰
Funding Sources	State funds

- Improve the flood levees and storm water control systems in the cities of Carver, Chaska, and Watertown.

Responsible Organization	City of Carver, Chaska, Watertown
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2017
Funding Sources	General City Funds and Mitigation Grants

¹⁹ Minnesota River Flood Mitigation Study Final Report. Minnesota Department of Transportation. September 28, 2011.

²⁰ Minnesota River Flood Mitigation Study Final Report. Minnesota Department of Transportation. September 28, 2011.

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- Develop a permanent solution to protect the wastewater treatment plant in Watertown from flooding.

Responsible Organization	City of Watertown
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2017
Funding Sources	General Funds and Grant Funding

- Evaluate current needs and identify locations of new sirens and acquisition of new activation system and new sirens.

Responsible Organization	All cities
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2017
Funding Sources	County General Funds, FEMA

- Have sand bags available and manpower ready when a flood occurrence occurs in the cities and townships located within Carver County.

Responsible Organization	Carver County Emergency Management, individual cities
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2013
Funding Sources	Individual cities general funds and Carver County general funds, FEMA

- Continue to develop the drainage system maintenance program, including determining which areas can be accessed for inspection and maintenance, preparing procedures modeled on floodplain management program guidance, conducting an annual inspection, and removing debris as needed. Additionally, educate homeowner associations and other nongovernmental entities responsible for maintenance on their own properties.

Responsible Organization	Carver County Planning and Zoning Department, Carver County Soil and Water Department, All Cities
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	Individual cities general funds and Carver County general funds, FEMA

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Multijurisdictional Considerations. Flooding events have affected all areas of Carver County. All of the cities and townships in Carver County participate in flood mitigation activities. Carver County is part of the National Flood Insurance Program. Carver County and the participating cities plan to continue and encourage non-participating cities/townships to participate in the NFIP by developing and implementing public awareness campaigns, further identification of critical infrastructure in floodplains, promotion of storm water management plans and/or activities and continuation of updating of flood maps for all of Carver County.

Public Information and Awareness Strategies. The Carver County Multijurisdictional Hazard Mitigation Planning Committee has identified public awareness campaigns to ensure that the citizens of Carver County are informed of the hazards affecting them and about the mitigation efforts that taking place to mitigate flooding situations.

5.2.2 Tornadoes

Mitigation Goals. The potential for significant damages to property, injuries, and/or deaths are often associated with tornadoes. There is a need for advanced planning due to major consequences this type of incident. There are several courses of action below that could increase the survival chances of vulnerable populations while also reducing the overall damage to critical infrastructure.

Range of Mitigation Options. The suggested mitigation options for tornadoes in Carver County provide enhanced sheltering, advanced warning, and as well as options for more sustainable facilities.

Mitigation Strategy for Tornadoes:

- **Mitigation Goal #1:** To minimize the losses of life and property due to tornadoes in Carver County.
- **Mitigation Goal #2:** To develop policies and plans to handle reconstruction from wind and storm damage.
- **Mitigation Goal #3:** To provide backup generators in identified critical facilities throughout Carver County.
- **Objective #1:** To provide advanced severe weather warning and to protect the residents and their property from the effects of tornadoes in Carver County.
- **Objective #2:** To provide safe rooms or community shelters needed for mobile home parks, recreation/open areas.
- **Objective #3:** To provide information on benefits of tie-down straps for mobile homes.
- **Objective #4:** To minimize the wait time for residents and business owners to get building permits and inspections of construction activities.
- **Objective #5:** To provide automatic emergency power in identified critical facilities throughout Carver County.

Action Steps:

- Encourage retrofitting of existing and future public schools with special high wind resistant films for doors and windows.

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Responsible Organization	School districts within Carver County
Coordinating Organization	Carver County Emergency Management
Time Line	2012
Funding Sources	General funds, FEMA grants

- Identify facilities throughout Carver County that need backup generators to provide emergency power in case of power outages due to tornadoes/storms.

Responsible Organization	Each individual city, Carver County Facilities Department
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2012
Funding Sources	General funds and/or State and federal grants

- Identify community areas (parks, recreation areas) and facilities (schools, government buildings) that are vulnerable to tornadoes and provide tornado-safe rooms to each area and facility.

Responsible Organization	Each individual city, Carver County Public Works, Carver County Parks, Carver County Facilities Department, Three Rivers Park District
Coordinating Organization	Carver County Emergency Management
Time Line	2012–2013
Funding Sources	General funds and/or State and federal grants, FEMA grants

- Educate individual communities and county on tornado safety with open houses at local police, sheriff, and fire departments. This would include the cities of Carver, Chanhassen, Chaska, Cologne, Hamburg, Mayer, New Germany, Norwood Young America, Victoria, Waconia, and Watertown.

Responsible Organization	Individual cities, Carver County Emergency Management, and local law enforcement
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2012
Funding Sources	Individual Cities General Funds and County General Funds, FEMA grants

Multijurisdictional Considerations. Tornadoes can affected all areas of Carver County. All of the cities and townships in Carver County should be participants in tornado mitigation activities.

Public Information and Awareness Strategies. The Carver County Hazard Mitigation Steering Committee has identified many public awareness campaigns to ensure that the citizens of Carver County have advanced warning of the hazards affecting them and the about the mitigation efforts in place to mitigate potential tornado situations.

5.2.3 Severe Thunderstorms

Mitigation Goals. Thunderstorm winds and lightning has caused numerous injuries and deaths as well as millions of dollars in property damage in Carver County over the past 45 years. There is a great need to reduce the risk to lives and property due to this hazard. There are many similarities for mitigating thunderstorm winds and tornadoes. This section identifies mitigation solutions to lightning events and severe thunderstorms.

Range of Mitigation Options. Possible mitigation options for severe storms include early warning devices and property protection systems. The early warning devices should allow residents to take shelter before the storm approaches.

Mitigation Strategy for Thunderstorm Wind and Lightning:

- **Mitigation Goal #1:** To minimize the loss of life and property due to thunderstorm winds and lightning in Carver County.
- **Objective #1:** To adequately warn and protect the people and property from the effects of thunderstorm winds and lightning of Carver County.

Action Steps:

- Equip all county and city recreation parks with adequate early severe weather warning devices and lightning detection devices.

Responsible Organization	Carver County Parks, Three Rivers Park District
Coordinating Organization	Carver County Emergency Management
Time Line	2011–Ongoing
Funding Sources	Grants, general fund, FEMA grants

- Develop a public awareness program about the installation of lightning grounding systems on critical infrastructure, residential, and business properties.

Responsible Organization	County and city governments, private business and homeowners
Coordinating Organization	Carver County Emergency Management
Time Line	2011
Funding Sources	General funds, FEMA grants

- Develop and distribute information by mail/website/press release to citizens to promote and educate citizens on severe thunderstorm issues to include the cities of Carver, Chanhassen, Chaska, Cologne, Hamburg, Mayer, New Germany, Norwood Young America, Victoria, Waconia, and Watertown.

Responsible Organization	Individual Cities and Carver County Emergency Management
Coordinating Organization	Individual Cities and Carver County Emergency Management
Time Line	2011–2012
Funding Sources	Individual cities general funds and county general funds, FEMA grants

Multijurisdictional Considerations. All of Carver County should be considered when developing mitigation strategies related to thunderstorm winds and lightning. Thunderstorms with associated lightning have caused significant damage in all areas of the county.

Public Information and Awareness Strategies. The Carver County public safety community is taking an all hazards approach to community awareness programs. Thunderstorm winds and lightning events are inclusive of this all hazards program. All jurisdictions have implemented NOAA weather radios in public buildings, critical infrastructure, major businesses, nursing homes, and day care centers as a public information strategy. Local fire departments have distributed severe weather information to bring awareness of the potential of severe weather. All jurisdictions and the Carver County school districts participate in the statewide tornado drill as an exercise each year.

5.2.4 Severe Winter Storms

Mitigation Goals. Winter storms are a frequent occurrence in Carver County and have the potential to cause extensive problems when they occur. Carver County and its cities and townships do have the proper equipment to efficiently deal with snow and ice removal.

Range of Mitigation Goals. The major mitigation need for Carver County in relation to winter storms is to educate and prepare residents of our community for winter storms.

Mitigation Strategy for Severe Winter Storms:

- **Mitigation Goal #1:** To minimize the losses of lives and property due to winter storms in Carver County.
- **Objective #1:** To educate and prepare the residents of Carver County for effects of winter storms.
- **Objective #2:** To reduce power failure due to winter storms (high winds, heavy snow, and ice).

Action Steps:

- Develop and implement an education and preparedness campaign that includes groups such as a Citizens Emergency Response Team (CERT) and Medical Reserve Corps (MRC) in an effort to reduce the effects of winter storms on our citizenry.

Responsible Organization	Carver County Emergency Management, Fire Departments
Coordinating Organization	Carver County Emergency Management
Time Line	2012
Funding Sources	General funds, FEMA grants

Multijurisdictional Considerations. Winter storms have affected all areas of Carver County. All of the cities and townships in Carver County should participate in winter storm mitigation and preparedness activities.

Public Information and Awareness Strategies. The Carver County Multijurisdictional Hazard Mitigation Planning Committee has identified and implemented many public awareness campaigns to ensure that the citizens of Carver County are kept abreast of the hazards affecting them and the mitigation efforts to reduce the severity of winter storm situations.

5.2.5 Wildfires

Mitigation Goals. Wildfires have had severe effects upon Carver County during the last few years.

Range of Mitigation Goals. The main areas where mitigation projects are needed for wildfire conditions include expanding and enhancing fire department response capabilities, enhancing the wildfire equipment, as well as increasing the public awareness about wildfires.

Mitigation Strategy for Wildfires:

- **Mitigation Goal #1:** To minimize the effects of wildfires in Carver County.
- **Objective #1:** Protect people and property from the effects of wildfires by ensuring an adequate response capability in Carver County and educating communities in becoming members of the MN Firewise Program and National Firewise Program.
- **Objective #2:** Acquire portable dry water pumps and portable generator for county fire departments.

Action Steps:

- Improve the process for distributing and tracking burn permits.

Responsible Organization	Various Fire Departments
Coordinating Organization	Carver County Emergency Management
Time Line	2012–Ongoing
Funding Sources	City and county general funds, FEMA

- Work with the Minnesota Department of Natural Resources (DNR) to develop state-level and county-level burning regulations.

Responsible Organization	Minnesota DNR, Carver County
Coordinating Organization	Carver County Emergency Management
Time Line	2012–Ongoing
Funding Sources	City and county general funds, FEMA

- Stricter enforcement of countywide outdoor burning regulations from May through October to prevent wild land fires.

Responsible Organization	Various Fire Departments
Coordinating Organization	Carver County Emergency Management
Time Line	2012–Ongoing
Funding Sources	None

Multijurisdictional Considerations. Wildfires have affected all areas of Carver County. All of the cities and townships in Carver County should participate in wildfire related mitigation activities.

Public Information and Awareness Strategies. The Carver County Hazard Mitigation Steering Committee has identified and implemented public awareness campaigns to ensure that the citizens of Carver County are kept abreast of the hazards affecting them and the mitigation efforts to reduce the effects of potential wildfire situations. These include ordinances for the enforcement of outdoor burning bans.

5.2.6 All Hazards

Mitigation Goals. Carver County follows an all-hazards approach to community planning. There are many mitigation projects, which can positively influence the outcomes of any natural disaster; these projects are described in this section.

Range of Mitigation Goals. All-hazards mitigation goals cover a wide variety of areas. There is a great need in Carver County for countywide National Incident Management System (NIMS) training and planning for all-hazards in Carver County.

Mitigation Strategies for All Hazards:

- **Mitigation Goal #1:** To minimize the losses of life and property due to all natural hazards in Carver County.
- **Mitigation Goal #2:** To provide training to all department heads and staff in the Basic NIMS course.
- **Mitigation Goal #3:** To provide continuing education of NIMS to all emergency response agencies in Carver County.
- **Mitigation Goal #4:** To provide education and training to all City Mayors and Councils on emergency preparedness (Public Safety) within Carver County.
- **Mitigation Goal #5:** To ensure computer operations for city and county infrastructure.
- **Mitigation Goal #6:** To identify access alternatives for neighborhoods with single access points.
- **Mitigation Goal #7:** To develop and further enhance GIS throughout Carver County.
- **Objective #1:** To protect people and property from the effects of all potential hazards in Carver County.
- **Objective #2:** To provide understanding of unified command structure through NIMS training.
- **Objective #3:** Ensure all city and county officials understand their roles and responsibilities in the county in the incident of an emergency.
- **Objective #4:** Conduct public meetings to educate all of Carver County citizens on safety and emergency preparedness.
- **Objective #5:** Integrate GIS throughout all cities and townships and Carver County governments.

Action Steps:

- Provide NIMS training to all incoming emergency response personnel throughout Carver County.

Responsible Organization	Carver County Emergency Management and Fire Department Chiefs
Coordinating Organization	Carver County Emergency Management
Time Line	2012
Funding Sources	County and City General Funds

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- Develop and implement a Community Emergency Response Team (CERT) program.

Responsible Organization	Carver County Emergency Management
Coordinating Organization	Carver County Emergency Management
Time Line	2011–2017
Funding Sources	FEMA grants

- Work with local media to develop and broadcast public education on Emergency Preparedness.

Responsible Organization	Carver County Emergency Management
Coordinating Organization	Carver County Emergency Management
Time Line	2012–2014
Funding Sources	County and City General Funds

- Conduct public education and awareness campaigns targeting nursing homes regarding the development and testing of emergency plans to include possibility of complete evacuation of facility.

Responsible Organization	Carver County Emergency Management
Coordinating Organization	Carver County Emergency Management
Time Line	2012–2015
Funding Sources	General funds, state grants

- Explore the possibility of adding CAD capability to county fire departments.

Responsible Organization	City Fire Departments and Carver County Sheriff's Office
Coordinating Organization	Carver County Emergency Management
Time Line	2012–2015
Funding Sources	General funds, state grants

- Continue training of all emergency response personnel in Carver County on NIMS.

Responsible Organization	Carver County Emergency Management
Coordinating Organization	Carver County Emergency Management
Time Line	2012–2017
Funding Sources	General funds

- Expand emergency management use of GIS resources that are available.

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Responsible Organization	Carver County GIS and city GIS Departments
Coordinating Organization	Carver County Emergency Management
Time Line	2012–2017
Funding Sources	County and city general funds

- Continue to adopt updates from the International Building Code. Any code revisions should be consistent with the efforts undertaken by multi-community organizations of building department staff.

Responsible Organization	Planning and Zoning Department
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	Staff time

- Train building department staff on natural hazards aspects of the International Building Code, regulation of mobile home installation, and the county water management ordinance and its flood protection, wetland protection, erosion and sediment control, and best management practices provisions.

Responsible Organization	Planning and Zoning Department
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	Staff time

- Evaluate critical facilities for exposure to damage from all hazards, especially high impact hazards affecting Carver County. If major work is needed to protect a facility and it can be shown that the project would be cost-effective, funding assistance could be applied for from FEMA. New facilities will be reviewed when they are permitted.

Responsible Organization	Carver County Facilities
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	Staff time

- Provide building departments, libraries, and other interested offices with a list of references on property protection that can be ordered for free from state and federal offices. Include a request that

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they make the references available for public use. A special effort should be made to identify references on insurance, flood-proofing, and other methods of flood protection. Additionally, identify websites that provide property protection information and provide their address to the county and municipal webmasters.

Responsible Organization	Carver County Planning Department
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	Staff time, County funding

Multijurisdictional Considerations. Some of the above projects cross-jurisdictional boundaries. All jurisdictions should be involved in the planning process.

Public Information and Awareness Strategies. The Carver County Multijurisdictional Hazard Mitigation Planning Committee has identified many public awareness campaigns to ensure that the citizens of Carver County are kept abreast of the hazards affecting them and the mitigation efforts to alleviate potential situations.

5.2.7 Pandemics/Epidemics

Mitigation Goals. Epidemic/pandemic events are identified as a natural hazard in Carver County. Since the early 1800s, there have been epidemic/pandemic events that have occurred throughout Carver County. Pandemics/epidemics are considered a threat to all residents and emergency response personnel in Carver County.

Range of Mitigation Options. The identified mitigation strategies for pandemics/epidemics include ensuring that responders are trained and equipped to effectively and efficiently respond to the incident and working in partnership with residents in Carver County to plan an effective response strategy to epidemic/pandemic incidents.

Mitigation Strategy for Pandemics/Epidemics Incidents:

- **Mitigation Goal #1:** To provide mass dispensing of medication and vaccines for all county citizens and emergency response personnel in Carver County.
- **Mitigation Goal #2:** To provide accurate and prompt health communications with regard to pandemics/epidemics in Carver County.
- **Mitigation Goal #3:** To provide public health workforce readiness throughout Carver County.
- **Mitigation Goal #4:** To have personnel trained in epidemic/pandemic procedures throughout Carver County.
- **Objective #1:** To plan, train, and exercise for biological terrorist events and infectious disease outbreaks.
- **Objective #2:** To inform, educate, and empower citizens about specific health issues pertaining to an epidemic/pandemic outbreak in Carver County.
- **Objective #3:** To monitor health status throughout Carver County.

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- **Objective #4:** To ensure competent and trained public health staff and volunteers throughout Carver County.

Action Steps:

- Update and improve policies and plans that support the health response to an epidemic/pandemic in Carver County.

Responsible Organization	Carver County Public Health
Coordinating Organization	Carver County Emergency Management
Time Line	2012
Funding Sources	Centers for Disease Control and Prevention (CDC) grant

- Continue to purchase supplies and equipment needed for an epidemic/pandemic incident in Carver County.

Responsible Organization	Carver County Public Health
Coordinating Organization	Carver County Emergency Management
Time Line	2012
Funding Sources	CDC grant

- Continue to enhance interoperable communications with City Watch, Amateur Radio, 800 MHz, and other new technologies.

Responsible Organization	Carver County Public Health
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	CDC grant, FEMA grants

- Maintain 24/7 community partner contacts.

Responsible Organization	Carver County Public Health
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	CDC grant

- Identify risks specific to public health, behavioral/mental health, and healthcare in Carver County following an emergency.

Responsible Organization	Carver County Public Health
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Coordinating Organization	Carver County Social Services
Time Line	Ongoing
Funding Sources	CDC Grant

- Maintain the ability to communicate to all citizens through multiple channels the potential health hazards and the response needed during an emergency.

Responsible Organization	Carver County Public Health
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	CDC Grant

- Continue to conduct staff training and participate in yearly exercises.

Responsible Organization	Carver County Public Health
Coordinating Organization	Carver County Emergency Management
Time Line	Ongoing
Funding Sources	CDC Grant

Multijurisdictional Considerations. Epidemic/pandemic events have occurred throughout Carver County through the years.

Public Information and Awareness Strategies. The Carver County Multijurisdictional Hazard Mitigation Planning Committee has identified public awareness campaigns to ensure that the citizens of Carver County are kept abreast of the hazards affecting them and the mitigation efforts to alleviate potential situations.

5.3 Technological Hazard Mitigation Goals and Objectives

Hazard materials release was identified in section 4 as a potential risk to the community. The Multijurisdictional Hazard Mitigation Planning Committee has identified and will work toward implementation of the following goals and objectives that will reduce Carver County's vulnerability to technological hazards.

5.3.1 Hazardous Materials Release

Mitigation Goals. A hazardous materials release is identified as a technological hazard in our community. Historical trends suggest that there will be approximately one major hazardous material incident in the county during any given year. This includes both fixed facility and transportation related incidents.

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Range of Mitigation Options. The identified mitigation strategies for hazardous materials include ensuring that first responders are trained and equipped to effectively and efficiently respond to the incident. Additionally, to work in partnership with industry to plan an effective response strategy to hazardous materials incidents

Mitigation Strategy for Hazardous Materials Spills:

- **Mitigation Goal #1:** To minimize the losses of lives, property, and damage to the environment due to hazardous materials spills in Carver County.
- **Objective #1:** To protect the people, property, and the environment from the effects of hazardous materials spills in Carver County.

Action Steps:

- Conduct a hazardous materials exercise annually.

Responsible Organization	All Emergency Response Agencies
Coordinating Organization	Carver County Emergency Management
Time Line	2013
Funding Sources	Local Emergency Planning Committee (LEPC) and private funding

- Purchase additional hazardous materials response equipment necessary to sustain hazardous materials response operations as well as for new chemicals entering the community.

Responsible Organization	Carver County LEPC Local Fire Departments
Coordinating Organization	Carver County Emergency Management
Time Line	2012–Ongoing
Funding Sources	LEPC funds

- Educate private sector stakeholders on security strategies and safeguards for the containment of hazardous materials at fixed facilities.

Responsible Organization	Carver County Local Emergency Planning Committee
Coordinating Organization	Carver County Emergency Management
Time Line	2012–Ongoing
Funding Sources	Private funding

Multijurisdictional Considerations. Carver County is always susceptible to transportation accidents on its state highway system. Carver County relies on outside resources to respond to hazardous materials releases. The area fire departments in Carver County have individuals certified in various levels of hazardous materials response.

Public Information and Awareness Strategies. The Carver County Multijurisdictional Hazard Mitigation Planning Committee has identified public awareness campaigns to ensure that the citizens of

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Carver County are kept abreast of the hazards affecting them and the mitigation efforts to alleviate potential situations. The Carver County LEPC regularly meets with industry in an effort to mitigate and plan for hazardous material incidents in our community.