

Municipal Mitigation Strategy Worksheet

Nov. 2021

- Any comments and/or questions concerning this mitigation strategy should be directed to kong.thao@mcfarland.wi.us and matt.schuenke@mcfarland.wi.us.

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| Municipality | Village of McFarland | |
| Mitigation Strategy Name | South Court Floodwall Project | |
| Mitigation strategy goal | | |
| <i>Highlight the applicable strategic category</i> | Prevention | Natural Resource Protection |
| | Property Protection | Critical Facilities Protection |
| | Public Education & Awareness | Structural Project |
| <i>Describe the overall improvements to the community including the purpose for and the desired outcome from implementing this strategy</i> | This potential future project would involve the raising of South Court (north end at Lake Edge Road) along with the construction of a sump pit to aid in the diversion of storm water to prevent possible flooding from adjacent Lake Waubesa. | |
| Define the steps to achieving this mitigation strategy | | |
| 1. Design | | |
| a. <i>Responsible Party</i> – Village of McFarland | | |
| b. <i>Funding source</i> – Tax Levy and/or Capital Expense | | |
| c. <i>Completion date</i> – Unknown at this time as this is a <i>possible</i> future project | | |
| 2. Construction | | |
| a. <i>Responsible Party</i> – Village of McFarland | | |
| b. <i>Funding source</i> – Tax Levy and/or Capital Expense | | |
| c. <i>Completion date</i> – Unknown at this time as this is a <i>possible</i> future project | | |

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| Municipality | Village of McFarland | |
| Mitigation Strategy Name | Critical Facilities Protection for Uninterrupted Services | |
| Mitigation strategy goal | | |
| <i>Highlight the applicable strategic category</i> | Prevention | Natural Resource Protection |
| | Property Protection | Critical Facilities Protection |
| | Public Education & Awareness | Structural Project |

Describe the overall improvements to the community including the purpose for and the desired outcome from implementing this strategy

It is the intended purpose of the Village of McFarland to develop strategies that optimally support the safety and resilience of the community. The continued operation of critical facilities within the Village, such as the Public Works building or the Municipal Center, are vital to the recovery efforts in the aftermath of a disaster. With routine building inspections and maintenances practices, the Village can be confident its structural buildings are effective in dealing with matters related to natural hazards and mitigation efforts. Commonly associated with the Village of McFarland and its region, as indicated in the problem statement, the south-central Wisconsin region is susceptible to tornados and extreme winter weathers such as winter storms and extreme cold.

The desired outcome would be to reduce recovery costs and maintain uninterrupted operation through any extreme weather-related condition, while meeting the demands of the community's access to water, electricity, sewer, and other municipal services. With emergency management, effective communication and preparedness leads to increased flow of services. This starts with having the infrastructure that are well equipped to handle extreme situations that might otherwise result in temporary loss of critical services.

The following information references several McFarland adopted plans and projects, highlighting existing practices in preventative action and protection towards critical infrastructure. These tactics not only help to regulate development but are sustainable as well.

Public Safety Center

In 2021/2022 the Village is constructing a new Public Safety Center to relocate McFarland's Fire & Rescue, Municipal Court and Police Center from the existing Municipal Center. Located at the southeast corner of Holscher Road and Broadhead Street, the building will be an estimated 58,000 square feet. A key component in this buildings design is its net-zero energy feature, utilizing geothermal heating, ventilation, and air conditioning (HVAC) and solar panels to meet its energy needs.

The Public Safety Center has been designed to provide a more reliable facility with a backup generator sized to allow the building to function year-round. In contrast, the current Municipal Center does not offer generator power for hot water, heating, or cooling. The Public Safety Center will also be equipped with a portable generator inlet to allow a portable generator to replace the permanent generator if it fails. The Public Safety Center will also house a new Emergency Operations Center and offer a more secure location for the critical component of the Village Government during a disaster.

Public Works Solar Panel Installation

In December 2020, the Public Works installed solar panels to this building's roof to support its energy use and to make the facility more

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| | <p>resilient to power outages. Since that time, it has generated over 18MWh of energy, this is over 28,700lb of CO2 emission saved and 217 trees planted.</p> <p>McFarland Sustainability Plan 2021 The Sustainability Plan was adopted in the summer of 2021 with the assistance from the Ad-Hoc Sustainability Committee. Sustainability is a whole systems approach which works to balance and incorporate the three “E’s,” which are commonly identified as environmental, equity, and economy. The McFarland Sustainability Plan’s guiding principles addresses natural resource protection and prevention strategies as described below:</p> <ol style="list-style-type: none"> 1. Reduce dependence on fossil fuels and extracted underground metals and minerals. 2. Reduce dependence on chemicals and other manufactured substances that can accumulate in nature. 3. Reduce dependence on activities that harm life-sustaining ecosystems. 4. Reduce barriers to achieving present and future human needs equitably and efficiently. <p>Relevant plan actions include:</p> <ul style="list-style-type: none"> • Conducting energy audits of all municipal facilities to identify potential energy efficiency improvements. This strategy would include the potential installation of on-site renewable energy systems to make critical municipal facilities and infrastructure more resilient to energy outages from natural hazard events. <p>Village of McFarland Comprehensive Plan McFarland Comprehensive Plan, Chapter 7, Utilities and Community Facilities – Policies for Utilities and Community Facilities:</p> <ol style="list-style-type: none"> 7. Invest in sustainable buildings and infrastructure to reduce costs, promote stewardship, and protect the environment 9. Complete regular maintenance of utilities and community facilities in accordance with best practices and requirements. |
| Define the steps to achieving this mitigation strategy | |

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| Mitigation Strategy Name | Critical Facilities Protection for Uninterrupted Services |
| <p>1. Routine Building Inspection and Maintenance</p> <ul style="list-style-type: none">a. <i>Responsible Party</i> – Public Worksb. <i>Funding source</i> –Municipal Budget, Capital Improvementc. <i>Completion date</i> – Ongoing | |
| <p>2. Routine Fire Prevention Inspections</p> <ul style="list-style-type: none">a. <i>Responsible Party</i> – Fire Inspector and Fire Departmentb. <i>Funding source</i> – Municipal Budgetc. <i>Completion date</i> – Ongoing | |
| <p>3. Review/Approval of Building Addition & Alternation under Code Regulation</p> <ul style="list-style-type: none">a. <i>Responsible Party</i> – Community & Economic Development Department and Building Inspectorb. <i>Funding source</i> – Municipal Budget, Capital Improvement Fundsc. <i>Completion date</i> – Ongoing | |
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