

MARSHALL COUNTY MITIGATION ACTIVITIES FOR HIGH WINDS

Goal #1: Reduce the impact of high wind events on the citizens of Marshall County

Project #1: Protect the public from high wind events through information and education. With existing and newly developed education materials, the public can be warned of the dangers of high winds, especially in regards to tree thinning and cleanup procedures. News releases and emergency checklists are also other options.

Discussion: This project is not mitigation, while it is good measure to ensure people are educated and informed this activity falls under the category of preparedness.

MARSHALL COUTNY MITIGATION ACTIVITIES FOR SEVERE WEATHER

Goal #1: Reduce the impact of severe winter storms on the citizens of Marshall County

Project #1: Removed due to project not being mitigation. The project falls under the category of preparedness.

Project #2: Removed due to project not being mitigation. The project falls under the category of preparedness.

Project #3: Plant living windbreaks/snow fences in areas surrounding and in town

Project #4: Removed due to project not being mitigation. The project falls under the category of preparedness.

Project #5: Removed due to project not being mitigation and project no longer being a priority for the county.

Project #6: Removed due to project not being mitigation. The project falls under the category of preparedness.

Project #7: Removed due to project not being mitigation. The project falls under the category of preparedness.

Goal #2: Removed as this goal related to implementing the mitigation plan. This information is included in Plan Maintenance section.

Project #1: Removed as implementation strategies are included in the Plan Maintenance section.

Project #2: Removed as implementation strategies are included in the Plan Maintenance section.

Project #3: Removed as implementation strategies are included in the Plan Maintenance section.

MARSHALL COUNTY MITIGATION ACTIVITIES FOR FLOODING HAZARDS

Goal #1: Reduce the impact of flooding in Marshall County

Project #1: Continue to participate in the National Flood Insurance Program and work with non-participating jurisdictions to determine feasibility of them participating. Additionally, pursue better understanding of NFIP, receive additional training and continue to stay in compliance.

Priority: High
Funding sources: County, State, Federal
Timeframe: Ongoing
Oversight: County
Cost/Benefit: Low Cost

Project #2: Deleted as this project was combined with Project #1 above.

Project #3: Removed due to site #50 going farther under water and the County ended up having to give up on this site.

Project #4: Project removed due to completion.

Project #5: Construct storm shelters wherever needed throughout the county and place signage along major thoroughfares where travelers can see the locations of the nearest shelters. Additionally, evaluate existing shelters and other structures, such as schools, to determine usefulness (and accessibility) as community shelters. Retrofitting these facilities should be considered. Although it is uncertain if any currently existing buildings, particularly in the smaller communities, are sufficient to serve as shelters. Retrofitting old schools and other like buildings should be considered if sufficient cost savings justifies the project over building new.

Priority: Moderate
Funding sources: County, State, FEMA
Timeframe: 3 – 5 years, but could be Ongoing
Oversight: County
Cost/Benefit: TBD

Project #6: Identify roads that need grade raises and complete the work as needed.

Priority: High
Funding sources: County, State, FEMA
Timeframe: Ongoing
Oversight: County
Cost/Benefit: TBD

Project #7: Address flooding and drainage issues throughout the county by conducting a hydrology study and/or a culvert replacement plan to determine if culvert resizing is necessary

Priority: High
Funding sources: County, State, FEMA
Timeframe: Ongoing
Oversight: County
Cost/Benefit: TBD

CITY OF BRITTON MITIGATION GOALS AND ACTIONS

Goal #1: Reduce the impact of flooding within the City of Britton

Project #1: Storm Sewer Improvements

Priority: High

Funding Sources: USDA Rural Development

Timeframe: Construction on this project to start in 2020

Oversight: City of Britton

Cost: \$1,055,145 cost estimate

Project #2: Project removed due to completion.

Project #3: Project removed due to completion.

Project #4: Project removed due to completion.

Project #5: Upgrading existing lagoons for City of Britton. Lagoon located $\frac{3}{4}$ mile north of SD 10 on frontage road.

Priority: Medium

Funding Sources: City, State, Federal

Timeframe: 4-6 years

Oversight: City of Britton

Cost: TBD

Project #6: Install generators at sewer lift stations to provide vital services during power outages. Loss of power at the lift stations ultimately results in sewage backing up in homes.

Priority: High

Funding Sources: HMGP

Timeframe: 2020-2021

Oversight: City of Britton

Cost: \$87,881 cost estimate

Goal #2: Goal removed as no projects were identified under this goal.

CITY OF LANGFORD MITIGATION GOALS AND ACTIONS

Goal #1: Reduce the impact of flooding on the City of Langford

Project #1: Project removed because the City has no authority on the creek and doesn't own the land surrounding the creek.

Project #2: This project was not a mitigation project but was completed in 2014.

Project #3: Engineering study to be completed. Protect city property due to local creek potentially flooding parts of Langford.

Priority: Medium

Funding Sources:

Timeframe: TBD

Oversight: City of Langford

Cost/Benefit: TBD

Goal #2: Reduce the impact of severe weather on the City of Langford

Project #1: Procure generator for city office buildings in Langford

Priority: Low

Funding Sources: HMGP, State, Local

Timeframe: TBD

Oversight: City of Langford

Cost: TBD

TOWN OF EDEN MITIGATION GOALS AND ACTIONS
(Did not participate in 2019 PDM Plan Update)

The Town of Eden elected not to participate in the 2019 Plan Update.

**TOWN OF LAKE CITY MITIGATION GOALS AND ACTIONS
(Did not participate in 2019 PDM Plan Update)**

The Town of Lake City elected not to participate in the 2019 Plan Update. They did participate in the 2014 Plan Update. These were their goals at the time. They are being left in the plan as a point of reference.

Goal #1: Reduce the impact of flooding within Lake City

New lagoon and sewer system

Project #1: Feasibility study and construction of sewer lines and lagoon system as septic systems are unreliable and not meeting standards

Oversight: City of Lake City

Cost: Estimate cost in previous plan was \$300,000 and completion will be 3 years from date of funds.

Status: Costs estimated to complete this were too high to continue. City tried to have the homeowners of both Clear Lake and Roy Lake form an association. They would then share one lagoon between the three areas but that failed on two separate votes. Project has been tabled.

TOWN OF VEBLLEN MITIGATION GOALS AND ACTIONS

Goal #1: Reduce the impact of severe winter storms on the citizens of Veblen

Project #1: Identify winter storm shelter and provide backup generator for power. It is possible an existing building within the city could be retrofitted to serve as a storm shelter.

Priority:	Moderate
Funding sources:	City, State, FEMA
Timeframe:	3 – 5 years
Oversight:	City
Cost/Benefit:	TBD

Goal #2: Reduce the impact of severe summer storms in Veblen

Project #2: Evaluate existing shelters and other structures to determine usefulness (and accessibility) as community shelters. Retrofitting these facilities should be considered.

OTHER COUNTY MITIGATION PROJECTS

BDM Rural Water System elected not to participate in the 2019 Plan Update. They did participate in the 2014 Plan Update. These were their goals at the time. They are being left in the plan as a point of reference.

Goal #1: Reduce the impact of flooding within BDM Rural Water System

Installation of Rip Rap fabric over waterline and install 75kw generator

Discussion: Completion was projected 1 year from date of funds at a proposed cost of \$25,000 - \$50,000

Projects #1 and 2: Lay filter fabric, clay and rock over water lines to reduce/eliminate scouring during floods.

Oversight: BDM Rural Water

Project #3: Install 75 kw generator at pump station serving industries and residences in eastern Marshall County

Oversight: BDM Rural Water

Goal #2: Mitigate existing power lines with updated or overhead or underground lines

Project #1: Removed because Lake Region Electric participates in the State Hazard Mitigation planning efforts and rural electrics are covered under that plan.

Objective #3: Removed due to project not being mitigation. The project falls under the category of preparedness.

Goal #4: Removed because goal addressed terrorism and man-made hazards which do not fall under the scope of the natural hazard mitigation plan.

Goal #5: Removed because goal falls outside of the scope of a natural hazard mitigation plan.