
DEUEL COUNTY UPDATE TO PRE-DISASTER MITIGATION PLAN

PDM TEAM KICKOFF

SEPTEMBER 11, 2026

COUNTY COMMISSION ROOM – DEUEL COUNTY COURTHOUSE

CLEAR LAKE, SD

FIRST DISTRICT ASSOCIATION OF LOCAL GOVERNMENTS





AGENDA

- Introduction of team members
- Why are we updating PDM?
- What is mitigation planning?
- Review plan components
- Review Timeline/scope

PDM'S COMPLETED:

- Brookings – 2014, 2019, & 2025
- Codington – 2012, 2017, & 2022
- Hamlin – 2014, 2019, & 2025
- Kingsbury – 2014, 2019, & 2025
- Miner – 2014, 2019, & 2025
- Moody – 2015, 2020, & 2026
- Roberts – 2014, 2019, & 2024
- Deuel – 2017, 2022 & 2026-27
- Lake – 2018, 2023, & 2027
- Clark – 2019 & 2024
- Grant – 2014, 2020, & 2026
- Flandreau Santee Sioux Tribe - 2022



WHY ARE WE HERE?

- Existing PDM Plan approved April 2022.
- Plan will expire in April 2027.
- County applied for HMGP funds in 2025.
- Notice of Grant Award in May 2026 for PDM Development to complete all requirements.

TEAM PLAYERS

Municipalities

Townships

County
Commissioners

Utilities

First District

Deuel County
Emergency
Management

State of
South Dakota

FEMA

Emergency
Service Providers



WHAT IS MITIGATION PLANNING?

- Hazard mitigation planning is defined as any cost-effective action(s) that has the effect of reducing, limiting, or preventing vulnerability of people, property, and the environment to potentially damaging, harmful, or costly hazards.

WHAT IS A PRE-DISASTER MITIGATION PLAN?

- Allows a community to plan for a disaster before it occurs
- Helps reduce risk and minimize impact from future events
 - Protects people and structures
 - Preserves life, health, safety of residents
 - Protects the economic health and vitality of the community
- Breaks the cycle of disaster-repair-disaster in a community
- Makes the participants eligible to apply for Hazard Mitigation and other FEMA funding



DISASTER MITIGATION ACT OF 2000

- Establish a national program for pre-disaster mitigation
- Effective November 1, 2004, communities and tribes must have mitigation plans in place to be eligible for Hazard Mitigation Grant Program and Pre-Disaster Mitigation funding



ACT STRESSES PUBLIC PARTICIPATION

- An open public involvement process that is comprehensive, starts early, and is continuous
- Coordination with neighboring communities and various interest groups in plan development
- Counties, Cities, and Townships may participate to develop multi-jurisdictional plans.
- Survey:
 - <https://survey.alchemer.com/s3/8988355/Deuel-County-PDM>



COMPONENTS OF THE PRE-DISASTER MITIGATION PLAN

- Background/Community Profile
- Risk Identification and Assessment (Hazard Profile)
- Mitigation Goals/Strategies/Specific Actions
- Plan Maintenance

BACKGROUND/COMMUNITY PROFILE

- Similar to a county comprehensive land use plan – “Who is your community?”
- Details about a community
- Defines the people and the land
- Identifies key community investments



CRITICAL INFRASTRUCTURE

- What, where?
- Will it impact the community?
- Timeframe – How long will it impact community?
- Examples: Bridges, water and wastewater facilities, fire stations.



CRITICAL INFRASTRUCTURE

- Government Buildings
 - Post Office, Highway Department, Courthouse, Maintenance Buildings, Fire Departments, Schools, Community Center
- Airport
- Public/Private Utilities
 - Water, Sewer
 - Towers, Substations
- Major Employers
- Elderly Housing
- Hospitals, Clinics
- Emergency Fuel/Power
- Township halls, community centers, arenas, cultural and historic areas.

CREATING A RISK ASSESSMENT

- Risk assessment draws on community profile and hazard profile
- What assets (Critical Infrastructure) in the community will be affected by the hazard event?
- To what extent?



HAZARD PROFILE

- Risk Assessment - Identifies what natural hazards impact a community/county
- Use historical data
- Map areas affected by hazards



HAZARD VULNERABILITY

- Hazard description
- Frequency
- Magnitude
- Location
- Spatial extent
- Duration
- Seasonal pattern
- Speed of onset
- Availability of warnings



HAZARD RISK ASSESSMENT

- Risk Assessment
 - Listed natural hazards or events related to natural hazard
- Frequency (F)
 - Identify how often you think this event occurs
- Personal Vulnerability (P.V.)
 - How vulnerable are you or the citizens of the community to (the big version of) this event?
- Community Wide Vulnerability (C.V.)
 - How vulnerable/what would be the effect on community services/infrastructure if “the big one” happened in this community?
- Vulnerability Score
 - $\text{Vuln. Score} = \text{Vulnerability Score (Vuln. Score} = (F) \times (P.V.) \times (C.V.)$
 - Determine whether mitigation projects are necessary and how specific they need to be.

HAZARD RISK ASSESSMENT

Frequency

How often does it seem these hazards occur? Please mark one for each (KEY)

0 – Does not occur in this jurisdiction

1 – Am aware this occurred but has not while I lived here

2 – Remember this happening once

3 – This has happened a few times, but not every year

4 – This seems to happen every year

5 – This seems to happen more than once every year

Personal Vulnerability

How Vulnerable is your community to the following hazards? Please mark one for each (KEY – Description with anecdotal description in parentheses.)

0 – Does not occur in this jurisdiction

1 – I do not recall the community or anyone in this community experiencing property damage or personal damage from this hazard. ("I'm sure this has happened, but nobody is concerned about what would happen if it occurs again.")

2 – If this hazard occurs, it is unlikely it will be noticed as more than a nuisance. ("I expect this hazard to occur, and am not concerned with any damage or injury that could occur.")

3 – If this hazard occurs, some properties may experience minor damage and/or minor injuries may occur. ("I worry about certain properties and/or people that may be significantly vulnerable to this hazard, but not everyone is.")

4 – If this hazard occurs, several people affected will need financial assistance, assistance in repairing/cleaning up property, and/or treating physical harm. ("I worry what could happen if this hits us wrong.")

5 – If this hazard occurs it may destroy or nearly destroy all property in its path, and result in injury to those experiencing it. ("I worry about what would happen if this happened in town, no matter where.")

Community Vulnerability

How Vulnerable is your community to the following hazards? Please mark one for each (KEY – Description with anecdotal description in parentheses.)

0 – Does not occur in this jurisdiction

1 – I do not recall the community or anyone in this community experiencing property damage or personal damage from this hazard. ("This would not affect normal community operations.")

2 – If this hazard occurs, it is unlikely it will be noticed as more than a nuisance. ("Any damage could be addressed with normal staff/community time dedicated at this time.")

3 – If this hazard occurs, some properties may experience minor damage and/or minor injuries may occur. ("Any damage could be addressed with normal staff/community involvement, but would be noticed as a temporary notice to residents outside the affected area.")

4 – If this hazard occurs, several people affected will need financial assistance, assistance in repairing/cleaning up property, and/or treating physical harm. ("Damage would require over-time or extra assistance in some form to recover from, assist those affected. Daily life by most residents in the town would be affected negatively during recovery.")

5 – If this hazard occurs it may destroy or nearly destroy all property in its path, and result in injury to those experiencing it. ("Normal government business or daily life could not resume until significant recovery occurs.")

RISK ASSESSMENT WORKSHEET - HAZARD IDENTIFICATION

Hazard	Bryant				Castlewood				Estelline				Hayti				Hazel				Lake Norden				Hamlin County			
	F	P.V.	C.V.	Vuln. Score	F	P.V.	C.V.	Vuln. Score	F	P.V.	C.V.	Vuln. Score	F	P.V.	C.V.	Vuln. Score	F	P.V.	C.V.	Vuln. Score	F	P.V.	C.V.	Vuln. Score				
Dam Failure																												
Drought																												
Earthquake																												
Extreme Cold																												
Extreme Heat																												
Flood																												
Freezing Rain/Sleet/ Ice																												
Hail																												
Heavy Rain																												
Heavy Snow																												
Ice Jam																												
Lightning																												
Rapid Snow Melt																												
Strong Winds																												
Tornado																												
Urban Fire																												
Wild Fire																												

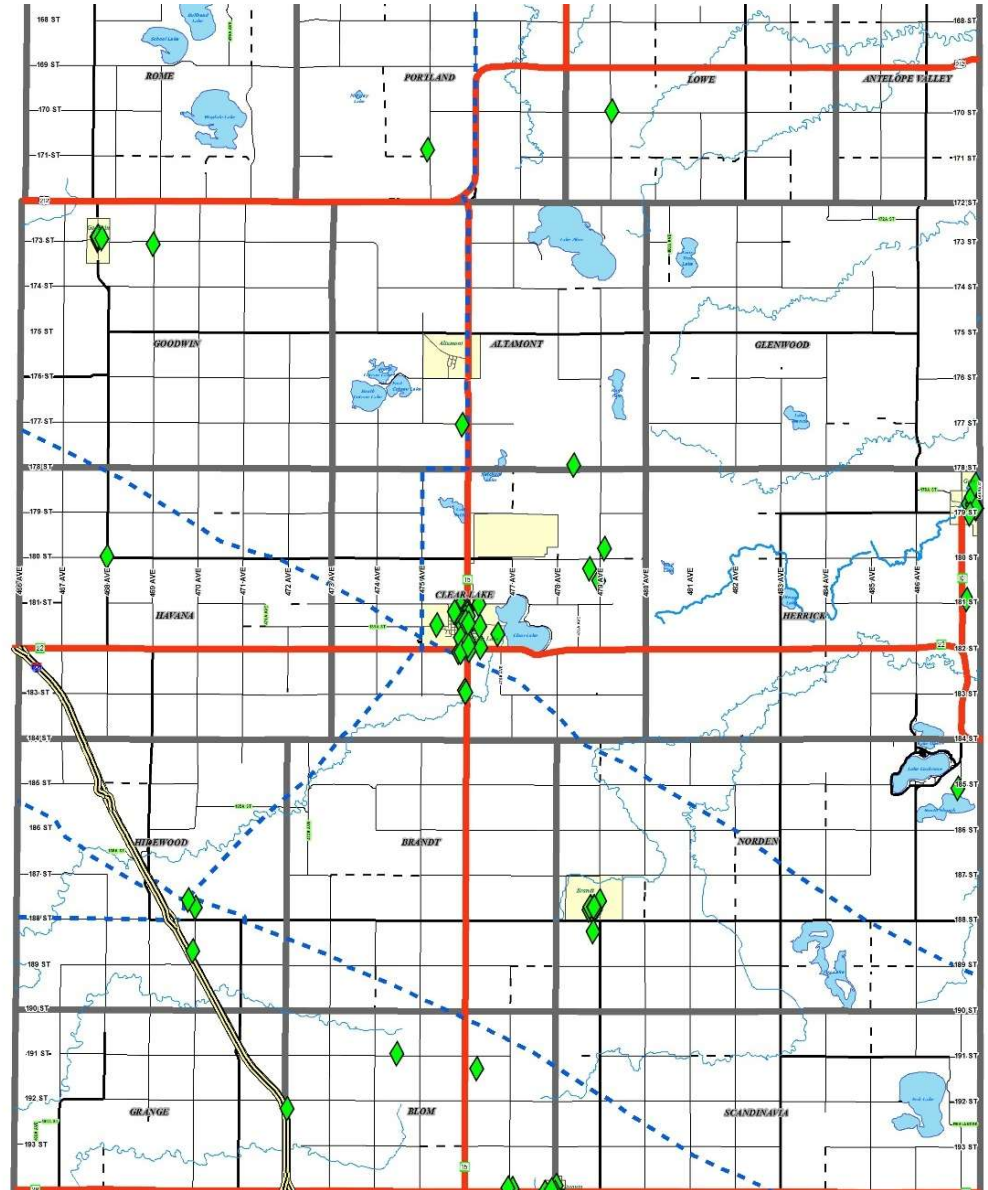
F = Frequency or Probability of a hazard

P.V. = Personal Vulnerability to a hazard

C.V. = Community Wide Vulnerability to a hazard

Vuln. Score = Vulnerability Score (Vuln. Score = (F) x (P.V) x (C.V.)

FIGURE 4.2: COUNTY HAZARD VULNERABILITY MAP



MITIGATION GOALS/STRATEGIES/SPECIFIC ACTIONS

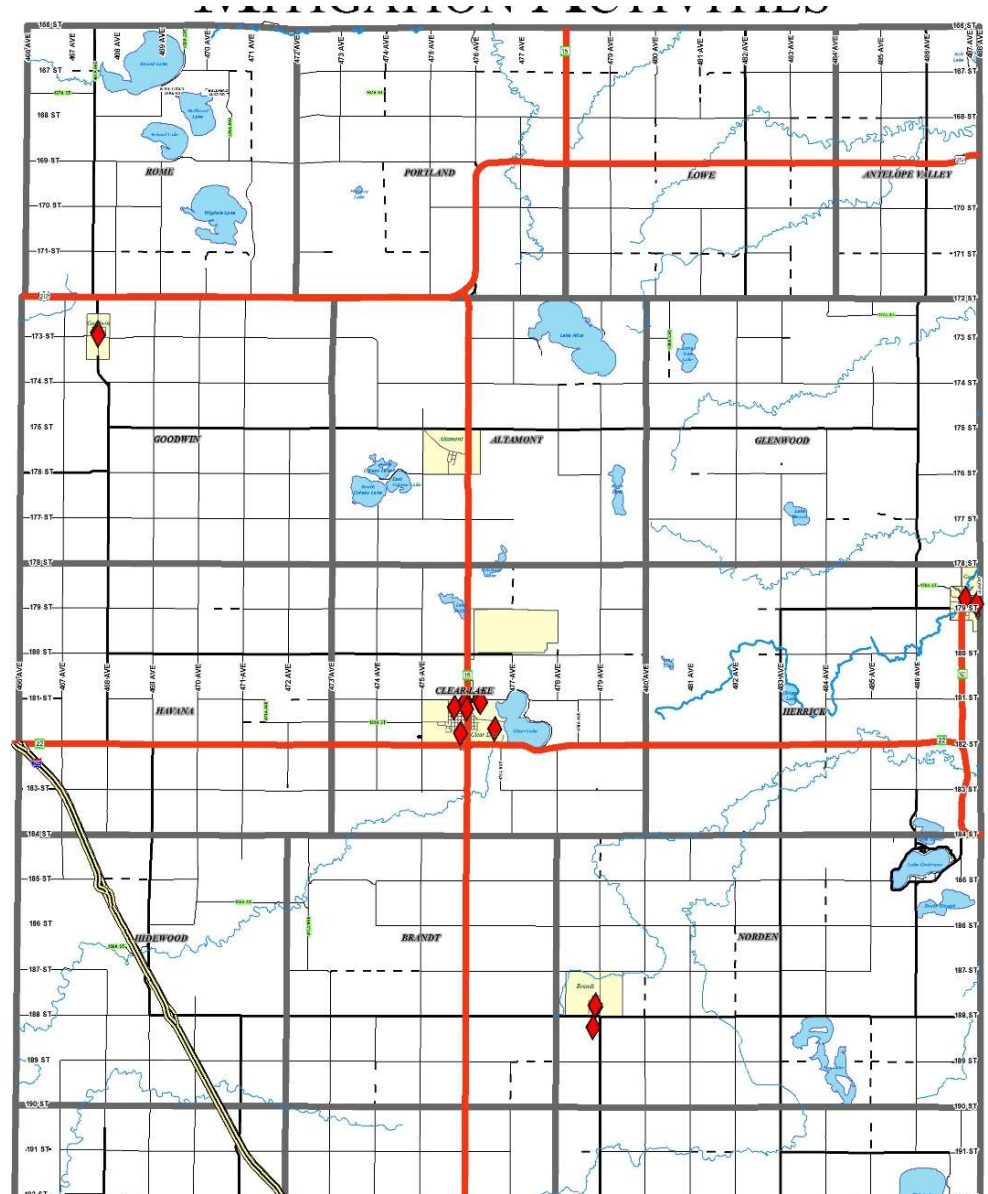
- After the Risk Assessment – Goals/strategies/and specific actions are identified
- Action Plan
 - Prioritize strategies
 - Identify responsible parties
 - Estimate cost
 - Establish timeframe
 - Maintenance of Plan



PRINCIPLE GOALS

- **Reduce the loss of life, property, infrastructure, critical facilities, cultural resources and impacts from severe weather, flooding and other natural disasters.**
- **Improve public safety during severe weather, flooding and other natural disasters.**
- **Improve the County's Emergency Preparedness and Disaster Response and Recovery capabilities.**
- **Mitigation Activities for Flooding Hazards**
 - **Goal #1:** Protect specific areas of Deuel County from flooding.
 - **Goal #2:** Educate and inform Deuel County residents regarding flooding safety.
 - **Goal #3:** Reduce the extent to which utility interruptions affect areas during flooding events.

FIGURE 5.1: COUNTY POTENTIAL MITIGATION



NON-MUNICIPAL/NON-UTILITY MITIGATION ACTIONS

DEUEL COUNTY PROBLEM STATEMENTS	DEUEL COUNTY ACTIONS	PRIORITY RATING	TIMEFRAME	CONTACT	COST	FUNDING SOURCE	HAZARD	GOAL
Assure capability to contact State Office of Emergency Management.	County Office of Emergency Management participates in quarterly radio drills with State Office of Emergency Management.	High	Ongoing	Deuel County Emergency Manager	N/A	County funds	All Hazards	Improve public safety during hazardous conditions.
Assure capability of necessary emergency personnel.	Support and emphasize ICS training for government officials, response personnel and EOC designated members.	High	Ongoing	Deuel County Emergency Management and Communities	\$1,000	County and local funds	All Hazards	Improve public safety during hazardous conditions.
Assure capability of necessary emergency personnel.	County OEM and local responders participate in OEM Region 2 training events.	High	Ongoing	Deuel County Emergency Manager and local responders	\$1,000	County and local funds	All Hazards	Improve public safety during hazardous conditions.

GOALS...

- **Mitigation Activities for Severe Weather Hazards (Summer and Winter)**

- **Goal #1:** Increase public awareness and education on severe weather issues.
- **Goal #2:** Improve public safety during severe weather.
- **Goal #3:** Reduce the extent to which utility interruptions affect areas during severe weather situations.
- **Goal #4:** Reduce crippling effects of winter storms, especially regarding smaller communities.

- **Mitigation Activities for Fire and Drought Hazards**

- **Goal #1:** Increase fire fighting capabilities.
- **Goal #2:** Reduce the negative effects droughts have on Deuel County.
- **Goal #3:** Reduce the negative effects wildfires have on Deuel County.

PROCESS/TIMELINE

- June 2026 – September 2026 – Plan to Plan
 - Establish PDM Team
 - PDM Team Kickoff Meeting
 - Review existing PDM
 - Develop PDM Template/Plan Process
- October 2026 – 2027 January Risk Assessment/Project Identification/Prioritization
 - Community/Township Meetings
 - Draft Preparation
- February 2027
 - PDM Team Meeting #2 – Review of PDM Draft
- February 2027 – March 2027 – Draft Review and Approval
 - PDM Team Meeting Reviews/Approves Draft
 - Draft submitted to State and FEMA
- April – May 2027
 - State and FEMA approval
- May – June 2027
 - Approval by County and municipalities

QUESTIONS?

SEE FIRST DISTRICT PDM PAGE: [HTTPS://ASSOCIATION.1STDISTRICT.ORG/PDMPLANS/](https://association.1stdistrict.org/pdmplans/)

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