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16

17 3.1 Requirements for the Planning Process

18 **§201.6(b):** *An open public involvement process is essential to the development of an effective plan. In*
19 *order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning*
20 *process shall include:*

21 (1) *An opportunity for the public to comment on the plan during the drafting stage and prior to*
22 *plan approval;*

23 (2) *An opportunity for neighboring communities, local and regional agencies involved in hazard*
24 *mitigation activities, and agencies that have the authority to regulate development, as well as*
25 *businesses, academia, and other private, and non-profit interests to be involved in the planning*
26 *process; and*

27 (3) *Review and incorporation, if appropriate, of existing plans, studies, reports, and technical*
28 *information.*

29 **§201.6(c)(1):** *[The plan shall document] the planning process used to develop the plan, including how it*
30 *was prepared, who was involved in the process, and how the public was involved.*

31

32 3.2 Description of the Planning Process

33 This sub-section describes the planning process that was used to develop this Plan.

34

35 3.2.1 Data Sources Used for Plan Preparation

36 As required by the guidance, this Plan is an update to the 2013 Plan. As such, all applicable data that
37 remains accurate and relevant has been incorporated into this Plan. Where data is no longer applicable or
38 accurate, it has been replaced with current data, or with data that is applicable.

39
40 In addition to the 2013 Plan, a variety of data sources were used to update this Plan, including:

- 41
- 42 • Ward County Emergency Management Agency;
 - 43 • Leadership and staff of the participating jurisdictions;
 - 44 • Ward County Highway Department;
 - 45 • North Dakota Department of Emergency Services;
 - 46 • North Dakota State Water Commission;
 - 47 • First District Health Unit;
 - 48 • Minot State University;
 - 49 • National Weather Service;
 - 50 • Federal Emergency Management Agency; and
 - 51 • US Forest Service.
- 52

53 A complete listing of data used can be found in Section 3.4.

54

55 3.2.2 How the Plan was Prepared (Overview)

56 The Ward County Hazard Mitigation Plan was prepared in accordance with the process established in the
57 *State and Local Mitigation Planning How-to Guides* (FEMA Publication Series 386) produced by the
58 Federal Emergency Management Agency (FEMA), and the requirements of 44 CFR, §201.6. The process
59 established in the FEMA 386 guides includes four basic steps.

60

- 61 **Step 1:** Organize resources
 - 62 **Step 2:** Assess risks
 - 63 **Step 3:** Develop a mitigation plan (update)
 - 64 **Step 4:** Implement the plan and monitor progress
- 65

66 3.2.2.1 Step 1: Organize Resources

67 This Plan was developed through the guidance of the Ward County Department of Emergency
68 Management. At the beginning of the process, a consulting firm, Witt O'Brien's, LLC, was hired to
69 facilitate the planning process, to provide technical support to the County and municipalities, and to
70 produce the plan update document.

71

72 Representatives from each participating jurisdiction served on the Advisory Committee (the Committee)
73 that guided the update of this Plan. The Committee was comprised of representatives from municipalities
74 and public entities that wished to participate in the planning effort. These representatives had knowledge
75 of their jurisdiction's risks and vulnerabilities. The duties and responsibilities of the Committee consisted

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76 of: representing their municipality/agency/department’s interests, serving as the point of contact for
77 their municipality/agency/department, and completing necessary planning tasks, including data
78 collection, identification of local mitigation actions, and reviewing draft and final products. The
79 Committee identified the most significant hazards for a risk assessment to be completed.

80

81 *Table 1: Ward County Hazard Mitigation Plan Advisory Committee Membership*

Ward County Hazard Mitigation Plan Advisory Committee Members		
Name	Title	Municipality/Agency/Department/Organization
Chris Burnside	Council Member	City of Berthold
Diane Fugere	Auditor	City of Burlington
Jeanine Kabanuk	Mayor	City of Burlington
Chris Helseth	Council Member	City of Carpio
Darrell Francis	Fire Chief	City of Des Lacs Fire Department
Jody Askvig	Auditor	City of Des Lacs
Nicole Michalenko	Auditor	City of Donnybrook
Jason Keen	Council Member	City of Donnybrook
Bill Gagnon	Council Member	City of Douglas
Anita Porter	Auditor	City of Douglas
Jamie Livingston	Council Member	City of Kenmare
Marki Ellis	Floodplain Administrator	City of Kenmare
Scott Ziemann	Council Member	City of Makoti
Tyler Stafslie	Mayor	City of Makoti
Jason Olson	Chief	City of Minot Police Department
John Hocking	Captain	City of Minot Fire Department
Lonnie Sather	Battalion Chief	City of Minot Fire Department
Penny Johnson	Treasurer	City of Minot
Jody Reinisch	Mayor	City of Ryder
Justin Dreher	Council Member	City of Ryder
Susan Schmidt	Auditor	City of Sawyer
Ken Yarbrough	Public Works Director	City of Sawyer
Eileen Darkow	Council Member	City of Sawyer
Jason Vaagen	Auditor	City of Surrey
Keith Hegney	Public Works	City of Surrey
Jose Estrada	Emergency Preparedness	First District Health Unit
Curt Olson	Manager	Montana-Dakota Utilities
MSgt Nicholas Malard	EM Specialist	Minot Air Force Base
Evelyn Hildebrand	Volunteer	American Red Cross
Dennis Snodgrass	Emergency Preparedness	Trinity Hospital
Randy Schwan	Vice President	Trinity Health
Tom Rafferty	Member Services Manager	Verendrye
Amanda Schooling	Director	Ward County Emergency Management

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Ward County Hazard Mitigation Plan Advisory Committee Members		
Name	Title	Municipality/Agency/Department/Organization
Kris Weber	Assistant Director	Ward County Emergency Management
Julie Eisenbraun	EM Specialist	Ward County Emergency Management
Robert Roed	Captain	Ward County Sheriff's Department
Don Trueblood	Electric Operations	Xcel Energy
Shawn Sipma	Agent	Farmers Union Insurance
Mary Carlson	Board Member	Lord's Cupboard Food Pantry
John Wolsky	Writer	The Minot Voice
Mark Lyman	PR Specialist	Odney
Al Hanson	Regional Coordinator	North Dakota Department of Emergency Services

82

83 *Meeting Schedule*

84 There were several meetings conducted during the development of the Plan Update. These meetings are
85 described in the table below. The meetings focused primarily on the review of work-in-progress for the
86 development of the Plan. However, in some cases, the meetings were working sessions for identification
87 of potential mitigation actions for each participating jurisdiction.

88

89 **Note to Reviewers: Table will be completed as events occur.**

90

91 *Table 2: Ward County Hazard Mitigation Plan Meeting Schedule & Summary*

Ward County Hazard Mitigation Plan Meeting Schedule & Summary		
Date	Meeting Name	Meeting Summary
February 16, 2017	Advisory Committee Meeting	Overview of plan update process and requirements; completed hazard identification exercise; discussed how risk assessment would be conducted; discussed idea of conducting capability assessment survey
April 24, 2017	Advisory Committee Meeting	Overview of progress to date; completed qualitative/quantitative risk assessment determination exercise; determined updates to hazard mitigation goals
June 21, 2017	Municipality Meeting City of Berthold	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 21, 2017	Municipality Meeting City of Carpio	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption

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Ward County Hazard Mitigation Plan Meeting Schedule & Summary		
Date	Meeting Name	Meeting Summary
June 21, 2017	Municipality Meeting City of Donnybrook	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 21, 2017	Municipality Meeting City of Kenmare	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 22, 2017	Municipality Meeting City of Burlington	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 22, 2017	Municipality Meeting City of Des Lacs	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 22, 2017	Municipality Meeting City of Sawyer	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 22, 2017	Municipality Meeting City of Surrey	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 23, 2017	Municipality Meeting City of Douglas	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 23, 2017	Municipality Meeting City of Makoti	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 23, 2017	Municipality Meeting City of Minot	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
June 23 2017	Municipality Meeting City of Ryder	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption

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Ward County Hazard Mitigation Plan Meeting Schedule & Summary		
Date	Meeting Name	Meeting Summary
June 23, 2017	Municipality Meeting Ward County	Determined mitigation actions for jurisdiction; prioritized actions within strategy; completed capability assessment worksheet for jurisdiction; discussed next steps and path to plan adoption
August 03, 2017	Advisory Committee Meeting (virtual)	Review of initial draft plan by committee members
August 31, 2017	Public review and comment	Review of initial draft plan by public
October 2017	LEPC review and comment	Review of final draft plan by the LEPC (prior to submission to NDDDES)
Date is Pending	Public review and comment	Review of final draft plan by public
Date is Pending	Municipality Meeting City of Berthold	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Carpio	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Donnybrook	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Kenmare	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Burlington	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Des Lacs	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Sawyer	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Surrey	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Douglas	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Makoti	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Minot	Public meeting to adopt plan
Date is Pending	Municipality Meeting City of Ryder	Public meeting to adopt plan
Date is Pending	Municipality Meeting Ward County	Public meeting to adopt plan

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95

Appendix C contains documentation for Committee meetings including agendas, sign-in sheets, presentation materials, and meeting notes as appropriate.

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96 *3.2.2.2 Step 2: Assess Risks*

97 In accordance with general mitigation planning practice, as well as the process FEMA established in its
98 *How-to Guides*, the risk assessment forms the basis for this Plan by quantifying and rationalizing
99 information about how hazards affect Ward County and the municipalities.

100

101 The processes used to complete the hazard identification and risk assessments, and the results of these
102 activities, are described in Sections 04-16 of this Plan. The assessment contains several aspects of the
103 risks of hazards faced by the planning area:

104

- 105 ▪ The hazards that are most likely to affect the planning area;
- 106 ▪ How often those hazards are expected to impact the planning area;
- 107 ▪ The expected severity of those hazards;
- 108 ▪ What areas of the planning area are likely to be affected by those hazards;
- 109 ▪ How the planning area’s assets, operations, people, and infrastructure may be impacted by those
110 hazards; and
- 111 ▪ The expected future losses if the identified risks are not mitigated.

112

113 The Advisory Committee first considered all hazards with the potential to impact the planning area. An
114 exercise was held at the Committee’s Kickoff Meeting detailing the hazards considered in the 2013 Plan,
115 the hazards considered in other planning efforts (including the State Hazard Mitigation Plan), and a listing
116 of additional hazards that could be considered for inclusion in the Plan. Committee members were asked
117 to consider the hazard history, to consider any other hazards that were not included in the initial listing,
118 and to provide their thoughts on which hazards should be included in the Plan.

119

120 Next, through examination by and discussion among the members, the Committee validated the list of
121 hazards to those that were considered the most relevant for this type of planning process. These hazards
122 are as follows:

123

- 124 • Communicable Disease;
- 125 • Drought;
- 126 • Fire;
- 127 • Flood;
- 128 • Landslides (county only);
- 129 • Severe Summer Storms;
- 130 • Severe Winter Storms; and
- 131 • Hazardous Materials Incidents.

132

133 These are considered by the Committee to represent the predominant risks to the planning area.

134

135 These profiled hazards were further analyzed, to determine the actual risk to the planning area, residents,
136 and assets from these hazards. The list was further refined, to analyze those hazards which were

137 determined to pose the most significant risks to the participating jurisdictions and their assets. All profiled
138 hazards received a qualitative risk assessment. The hazards selected by the Committee to receive a
139 quantitative risk assessment were:

140

- 141 • Communicable Disease;
- 142 • Fire;
- 143 • Flood;
- 144 • Severe Summer Storms;
- 145 • Severe Winter Storms; and
- 146 • Hazardous Materials Incidents.

147

148 For each of these hazards the Witt O'Brien's, LLC performed detailed risk assessments, i.e. calculations of
149 future expected damages, expressed in dollars where appropriate. These results were presented to the
150 Committee in the initial draft of the updated Plan. The results of the risk assessment were also made
151 available to the public during the public review and comment periods (see sub-section 3.3). The full
152 process and results of this work is presented in the Risk Assessment portion of this Plan.

153

154 *3.2.2.3 Step 3: Develop the Mitigation Plan*

155 In response to the results of the risk assessment, the Committee validated the goals of the 2013 Plan, no
156 revisions or changes. The jurisdictional capability assessment was updated to affirm the baseline
157 capability and capacity of the planning area to implement hazard mitigation projects.

158

159 Each jurisdiction in the planning area developed their own mitigation strategy, which is based on the
160 hazards, risks, and vulnerabilities identified in their individual HIRA. The actions described in the strategies
161 are all within the existing capabilities and capacities of the jurisdictions (with support from County
162 Emergency Management, as needed), and will serve to further the mitigation, recovery, and resiliency
163 goals of the jurisdictions.

164

165 *3.2.2.4 Step 4: Implement the Plan and Monitor Progress*

166 Finally, the Committee identified a process for on-going monitoring and revisions to the Plan over the
167 next five years. Section 18 details the resulting monitoring, evaluation, and plan update procedures.

168

169 **3.3 Involvement by the Public and Other Interested Parties**

170

171 **3.3.1 Public Involvement in the Planning Process**

172 The Committee provided opportunities for public involvement and comment throughout the planning
173 process.

174

175 The Committee was comprised of different types of agencies including but not limited to: municipal
176 departments, non-profits entities, state agencies, businesses, educational entities, and the public. This
177 group met several times during the process discussing, among other things, the planning requirements,

178 incorporation of data, and data analysis. Comments received during these meetings were used in the
179 formulation of the updated Plan, as applicable and appropriate.

180

181 **Note to Reviewers: this language will be included as events occur.**

182

183 Documentation of these public comment periods can be found in Appendix D.

184

185 3.3.2 Other Interested Parties Involvement in the Planning Process

186 While a portion of the Committee was comprised of municipal and county staff and leaders, outside
187 partners and agencies were invited and encouraged to participate in the planning process. The
188 participants recognize that they rely on outside agencies and organizations, and that these organizations
189 bring valuable information to the mitigation planning process. Invitees to the planning process included
190 neighboring communities, outside agencies, businesses, academia, private non-profits and other
191 interested parties. The following parties participated in the Plan's Advisory Committee:

192

- 193 • First District Health Unit;
- 194 • Montana-Dakota Utilities;
- 195 • Minot Air Force Base;
- 196 • American Red Cross;
- 197 • Trinity Health;
- 198 • Verendrye;
- 199 • Xcel Energy;
- 200 • Farmers Union Insurance;
- 201 • Lord's Cupboard Food Pantry;
- 202 • The Minot Voice;
- 203 • Odney; and
- 204 • North Dakota Department of Emergency Services.

205

206 In addition, prior to formal adoption of the Plan, development and emergency management officials
207 representing the communities surrounding Ward County were specifically contacted, and asked to
208 provide their comments and suggestions on the draft Plan. These officials were provided with a copy of
209 the draft Plan, and were given ample time to respond to this request. All responses received were
210 reviewed and considered, and accepted suggestions were incorporated into the Plan prior to adoption.

211

212 3.4 Review and Incorporation of Plans, Studies, and Other Information

213

214 3.4.1 Federal Government

215 Key federal sources of information and pre-existing planning work are presented in the following table.

216

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217 *Table 3: Federal Documents and Data Utilized in the Plan*

Federal Documents and Data Utilized in the Plan	
Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
FEMA Disaster Declarations database and other general hazard data	Used in hazard identification and risk assessment (HIRA) development and history of loss data for multiple hazards
FEMA/National Flood Insurance Program Flood Maps (Flood Insurance Rate Maps, Digital Flood Insurance Rate Maps (DFIRMs))	Used in developing HIRA and mitigation strategies
FEMA Hazards US (HAZUS)	Used in developing critical facilities inventories and determining flood loss scenarios
FEMA Benefit-Cost Analysis methodology	Used in prioritizing mitigation strategy actions
FEMA Community Status Book, Community Rating System Eligible Communities	Used in developing capability assessments and mitigation strategy
NOAA Tornado Touchdown History	Used in developing HIRA and history of loss data
National Oceanic and Atmospheric Administration (NOAA)/National Centers for Environmental Information (NCEI) database	Used in developing history and description of hazard events for multiple hazards
NOAA Storm Prediction Center	Used in developing HIRA and mitigation strategies
United States Army Corps of Engineers	Used in developing HIRA and mitigation strategies
United States Census Bureau data	Used in developing various risk assessments and establishing planning context
United States Geological Survey (USGS)	Used in developing HIRA and loss data
United States Environmental Protection Agency Toxic Release Inventory	Used in developing HIRA and mitigation strategies
United States Department of Transportation Hazardous Materials Incident Data	Used in developing HIRA and mitigation strategies
US Department of Agriculture (USDA) National Fire Plan	Used in developing HIRA
US Forest Service	Used in developing HIRA and mitigation strategies
Homeland Security Information Portal	Used in developing HIRA

218

219 3.4.2 State of North Dakota

220 Selected state sources of information and pre-existing planning work are presented in this section.

221

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222 [2014 State of North Dakota Multi-Hazard Mitigation Plan](#)

223 The State of North Dakota completed the current 2014 State Multi-Hazard Mitigation Plan (SHMP) to
224 meet the requirements of 44 CFR, § 201.4(d), which mandates that states update their mitigation plans
225 every five years, ‘to reflect changes in development, progress in state wide mitigation efforts, and
226 changes in priorities.’

227
228 The SHMP is the demonstration of the State of North Dakota’s commitment to reduce risks from natural
229 hazards and serves as a guide for both state and local decision makers as they commit resources to
230 reducing the effects of natural hazards on lives and property. It is designed to outline a strategy to reduce
231 risks from natural hazards in North Dakota, and to aid state and local emergency management officials in
232 developing hazard reduction programs.

233
234 The State of North Dakota uses the SHMP to provide data to local and regional governments to support
235 their mitigation planning processes, and to provide guidance on best practices. The North Dakota
236 Department of Emergency Services (NDDDES) staff also is available during the planning process to answer
237 any questions or provide guidance and assistance.

238
239 The SHMP describes the state’s commitment to local hazard mitigation in the following way:
240

241 Shortsighted development patterns have contributed to making some North Dakota communities
242 extremely vulnerable to flooding, winter and summer storms, wildland fire, and other hazards. The State
243 Hazard Mitigation Team can work with communities to reduce their vulnerability by educating about
244 inappropriate land uses and by encouraging the acquisition, relocation, or retrofitting of existing vulnerable
245 structures, along with the protection of valuable natural resources. If a disaster should strike any one of
246 these communities, the State Hazard Mitigation Team can assist the community in building back better and
247 stronger than before.

248
249 Through experience, the team has learned that communities will face significant challenges during post-
250 disaster redevelopment on balancing the driving need for rapid recovery with implementing long-term
251 hazard mitigation. The necessity of meeting basic needs and resettling displaced populations immediately
252 following a disaster often overshadows the more abstract, longer-term sustainability considerations. Once
253 full-scale reconstruction is initiated, it is difficult to modify projects in progress to meet sustainability
254 objectives. This phenomenon highlights the need for pre-disaster mitigation planning that incorporates
255 principles of sustainable development within the context of reconstruction so that communities can more
256 easily rebuild in a manner that will make them less vulnerable to future hazard events and improve their
257 residents’ quality of life.

258
259 The State Hazard Mitigation Team strongly believes that much of the work in hazard mitigation and
260 sustainable development must be carried out at the local level. It is at the local level where land use
261 decisions are made, growth and development take place, and where the impacts of natural hazards are
262 most direct. The team has always supported local self-sufficiency and reliance, providing assistance to
263 communities where it is needed, but allowing local initiatives to take the lead. As noted within this plan, a
264 major goal of the team is to build and support such local capacity and commitment.

265

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266 The State Hazard Mitigation Team realizes that establishing a true statewide mitigation ethic will take hard
267 work, and quite possibly will require major paradigm shifts among many different entities. State agencies,
268 units of local and tribal government, non-profit organizations, businesses and industries, and private
269 citizens will have to become more involved. This plan is meant to be the first step in that direction.

270
271 The purpose of this Multi-Hazard Mitigation Plan is to:

- 272 • Serve as a consolidated, comprehensive source of statewide hazard information
- 273 • Educate government leaders and the public on their vulnerabilities
- 274 • Prioritize and promote cost-effective mitigation solutions
- 275 • Provide guidance to organizations and agencies statewide regarding hazard mitigation
- 276 • Support requests for grant funding
- 277 • Encourage long-term community sustainability
- 278 • Improve coordination of mitigation efforts across the state.

279
280 Wherever possible, this Plan incorporates information and recommendations consistent with the State of
281 North Dakota Multi-Hazard Mitigation Plan.

282
283 [Other State of North Dakota Information and Documents](#)

284 In addition to the SHMP, selected state sources of information and pre-existing planning work are
285 presented in the table below.

286
287 *Table 4: State Documents and Data Utilized*

State Documents and Data Utilized	
Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
State of North Dakota Multi-Hazard Mitigation Plan (2014)	Used in development of HIRA, capability assessment, and mitigation strategy
Data from the North Dakota Department of Emergency Services	Used in development of HIRA, capability assessment, and mitigation strategy
Data from the State Water Commission	Used in development of HIRA, capability assessment, and mitigation strategy
Data from the State Department of Public Health	Used in development of HIRA, capability assessment, and mitigation strategy
Data from the ND State University System	Used in development of HIRA, capability assessment, and mitigation strategy
The Mouse River Enhanced Flood Protection Plan Preliminary Report	Used in development of HIRA and mitigation strategies
State Water Commission Strategic Plan (2011-2013)	Used in development of HIRA and mitigation strategies
Souris Basin Regional Recovery Strategy	Used in development of HIRA, capability assessments, and mitigation strategies

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3.4.3 Ward County

Ward County has enacted a Home Rule Charter. From the Charter:

Subject to the limitations imposed by the North Dakota Constitution, state law, and this charter, the home rule powers of Ward County will be vested in the Board of County Commissioners. The Board of County Commissioners shall have plenary power to enact ordinances and resolutions to carry out and give effect to the express and implied powers granted in this charter and to prescribe the functions of government to be performed under this charter.

Key County sources of information and pre-existing planning work are presented in the table below.

Table 5: County Documents and Data Utilized

County Documents and Data Utilized	
Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
Construction and Building Permits Data	Used in establishing planning context, development of mitigation strategies
GIS database maps, infrastructure, hazards	Used to develop HIRA and mitigation strategies
Emergency Operations Plan	Used to develop HIRA, capability assessments, and mitigation strategies
Data related to critical assets	Used to develop HIRA, capability assessments, and mitigation strategies
Repetitive Loss /Severe Repetitive Loss (RL/SRL) inventory and data	Used to develop HIRA, capability assessments, and mitigation strategies
Website materials (various)	Used to develop HIRA, planning context, capability assessments, and mitigation strategies
Hazard and vulnerability data	Used to develop HIRA and mitigation strategies
Ward County ground water studies	Used to develop HIRA and mitigation strategies

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3.4.4. Municipal

Other key sources of information and pre-existing planning work, including regional and academic resources, are presented in the table following.

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306 *Table 6: Municipal Documents and Data Utilized*

Municipal Documents and Data Utilized	
Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
Comprehensive Plans, land use plans/ordinances (various municipalities, as available)	Used to develop HIRA, planning context, capability assessments, and mitigation strategies
Zoning and subdivision ordinances (various municipalities, as available)	Used to develop HIRA, planning context, capability assessments, and mitigation strategies
Hazard and vulnerability data (various municipalities, as available)	Used to develop HIRA, planning context, capability assessments, and mitigation strategies
Asset valuation data (various municipalities, as available)	Used to develop HIRA, planning context, capability assessments, and mitigation strategies
Recovery plans and documents (various municipalities, as available)	Used to develop HIRA, capability assessments, and mitigation strategies

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It is important to know that not all municipalities in the Plan have the same level of planning and zoning framework. For many of the municipalities, there is no official framework or document; rather, they rely on familiarity with the community or on documents published by other communities, such as the City of Minot or Ward County. Where community-specific documents and plans existed, they were reviewed and incorporated into this Plan, including those published by the City of Minot. Where no such documents and plans existed, a more informal process occurred, via conversations with local officials and others with knowledge.