

**WATERTOWN CITY COUNCIL  
WORK SESSION AGENDA  
CITY HALL  
23 SECOND STREET NORTHEAST  
WATERTOWN, SOUTH DAKOTA**

**Monday, November 6, 2017**

**5:30 PM**

1. Call to Order
2. Review of Pre-Disaster Mitigation Materials
3. Street Department presentation on Snow Removal
4. Discussion on visit to Brookings City and County Government Building
5. Future agenda items
6. Adjournment

Kristen Bobzien  
Finance Officer

The City of Watertown, South Dakota does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.

ADA Compliance: The City of Watertown fully subscribes to the provisions of the Americans with Disabilities Act. If you desire to attend this public meeting and are in need of special accommodations, please notify the City Finance Office 24 hours prior to the meeting so that appropriate auxiliary aids and services are available.

**City of Watertown**

**Codington County Pre-Disaster Mitigation Plan**

The following pages include tables and maps with data created for your community based upon meetings held with your community, and official documents of your community. Some maps and tables include information specific for your community, others are a combination from other communities as well as yours. Please review this information for accuracy and contact Luke Muller at First District Association of Local Governments (see below contact information) to correct any mistakes or make any additions.

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**Table 4.19: Administrative and Technical Capabilities**

Administrative/ Staff Composition	Local Jurisdiction						Codington County
	Florence	Henry	Kranzburg	South Shore	Wallace	Watertown	
Board of Adjustment	Appointed	Elected Officials	Elected Officials	Elected Officials	NA	Appointed	Appointed
Building Official	Finance Officer	Finance Officer	Finance Officer	Finance Officer	NA	Appointed	Zoning Officer
Community Planner	NA	NA	NA	NA	NA	Urban Planner	NA
Elected Officials	Trustee	Trustee	Trustee	Trustee	Trustee	Aldermanic	Commission
Emergency Manager	NA	NA	NA	NA	NA	NA	Appointed
Engineer/Highway Superintendent	NA	NA	NA	NA	NA	Appointed	Appointed
Floodplain Administrator	Finance Officer	Finance Officer	Finance Officer	Finance Officer	NA	City Engineer	Zoning Officer
GIS Coordinator	NA	NA	NA	NA	NA	NA	NA
Planning Commission	Appointed	Elected Officials	Elected Officials	Elected Officials	NA	Appointed	Appointed
Zoning Officer	Finance Officer	Finance Officer	Finance Officer	Finance Officer	NA	Appointed	Appointed
Grant Writing Capability (Yes/No)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
Non-profit organizations focused on environmental protection.	Yes**	Yes**	Yes**	Yes**	Yes**	Yes*	Yes**
Public-Private partnership initiatives addressing disaster-related issues	No	No	No	No	No	No	No

*NA: This jurisdiction has nobody serving in this role*

*\*First District Association of Local Governments provides these services without cost*

*\*\*East Dakota Watershed Development District*

**Table 4.20: Capabilities of Growth Guidance Instruments**

Capabilities of Community Planning Mechanisms	Florence	Henry	Kranzburg	South Shore	Wallace	Watertown	Codington County
Does the Future Land-Use Map identify natural hazard areas?	Y	Y	Y	Y	NA	Y	Y
Do the land-use policies discourage development or redevelopment within natural hazard areas?	Y	Y	Y	Y	NA	Y	Y
Does the plan provide adequate space for expected future growth in areas located outside natural hazard areas?	Y	Y	Y	Y	NA	Y	Y
Does the transportation plan limit access to hazard areas?	N	N	N	N	NA	N	N
Is transportation policy used to guide growth in safe locations?	Y	Y	Y	Y	NA	Y	Y
Are movement systems designed to function under disaster conditions (e.g. evacuation)?	Y	Y	Y	Y	NA	Y	Y
Are environmental systems that protect development from hazards identified and mapped?	N	N	N	N	NA	N	N
Do environmental policies provide incentives to development that is located outside protective ecosystems?	N	N	N	N	NA	N	N
Do environmental policies maintain and restore protective ecosystems?	N	N	N	N	NA	N	N
Are the goals and policies of the comprehensive plan related to those of the FEMA Local Hazard Mitigation Plan?	N	N	N	N	NA	N	N
Is safety explicitly included in the plan's growth and development policies?	Y	Y	Y	Y	NA	Y	Y
Does the monitoring and implementation section of the plan cover safe growth objectives?	N	N	N	N	NA	N	N
Does the Zoning Ordinance conform to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas?	Y	Y	Y	Y	NA	Y	Y

**Table 4.20: Capabilities of Growth Guidance Instruments (continued)**

Capabilities of Community Planning Mechanisms	Florence	Henry	Kranzburg	South Shore	Wallace	Watertown	Codington County
Does the zoning ordinance contain natural hazard overlay zones that set conditions for land use within such zones?	Y	Y	Y	Y	NA	Y	Y
Do rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use?	Y	Y	Y	Y	NA	Y	Y
Does the zoning ordinance restrict development within, or filling of, wetlands, floodways, and floodplains?	Y	Y	Y	Y	NA	Y	Y
Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas?	Y	Y	Y	Y	NA	Y	Y
Do the subdivision regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources?	N	N	N	N	NA	N	N
Do the subdivision regulations allow density transfers where Hazard areas exist?	Y	Y	Y	Y	NA	Y	Y

NA: This jurisdiction does not have the specified document.

Jurisdiction/ Entity	Location	Address	Sector	Sub sector	Name	Owner Type
Watertown	City of Watertown	222 9 <sup>th</sup> Ave SE	Communications	Telephone, cable, Internet Services	Mid-continent	Private
Watertown	City of Watertown	22 2 <sup>nd</sup> St SE	Communications	Telephone, cable, Internet Services	Knology	Private
Watertown	City of Watertown	1511 9 <sup>th</sup> Ave SE	Communications	Telephone, cable, Internet Services	Swiftel Communications	Private
Watertown	City of Watertown	200 E Kemp Ave	Communications	Telephone, cable, Internet Services	Lake Area Communications	Private
Watertown	City of Watertown	1018 6 <sup>th</sup> ST	Communications	Telephone, cable, Internet Services	RC Technologies	Private
Watertown	City of Watertown	128 Maple St NE	Government Facility	Building	Watertown Police Station	Public
Watertown	City of Watertown	14 1 <sup>st</sup> Ave SE	Government Facility	Building	Codington County Courthouse	Public
Watertown	City of Watertown	14 1 <sup>st</sup> Ave SE	Government Facility	Building	Codington County Sheriff's Office	Public
Watertown	City of Watertown	129 1 <sup>st</sup> Ave NW	Government Facility	Building	Watertown Fire Department	Public
Watertown	City of Watertown	500 Golf Course Road	Government Facility	Building	Watertown Fire Department	Public
Watertown	City of Watertown	1201 10 <sup>th</sup> St NW	Government Facility	Emergency Fuel Facility	Codington County Highway Department	Public
Watertown	City of Watertown	730 Arrow Ave	Government Facility	Emergency Fuel Facility	Watertown Street Department	Public
Watertown	City of Watertown	119 S. Maple St	Government Facility	Emergency Power Facility	Watertown Detention Center	Public
Watertown	City of Watertown	125 S. Broadway St	Government Facility	Emergency Shelter	Watertown City Auditorium	Public
Watertown	City of Watertown	Intersection of 26 <sup>th</sup> Avenue NE and 19 <sup>th</sup> Street NE	Non Emergency Response Facility	Natural Gas Supply	Gas Regulating Station	Public
Watertown	City of Watertown	1910 W. Kemp Ave	Government Facility	Emergency Shelter	Codington County Extension Center	Public
Watertown	City of Watertown	200 9 <sup>th</sup> St NE	Government Facility	Emergency Shelter	Watertown High School	Public
Watertown	City of Watertown	77 S Lake Dr	Government Facility	Emergency Shelter	Stokes-Thomas City Park, Lake Kampeska	Public
Watertown	City of Watertown	1200 N Lake Dr	Government Facility	Emergency Shelter	Memorial Park, Lake Kampeska	Public
Watertown	City of Watertown		Non Emergency Response Facility	Railroad	Burlington Northern, Santé Fe (BNSF) DM&E	Private
Watertown	City of Watertown	1000 Golf Course Rd	Non Emergency Response Facility	Water Supply -- Pump House	Derby Downs	Public
Watertown	City of Watertown	605 2 <sup>nd</sup> St NW	Non Emergency Response Facility	Water Supply -- Pump House	Mellette School	Public
Watertown	City of Watertown	300 14 <sup>th</sup> St SE	Non Emergency Response Facility	Water Supply -- Pump House	Larson Substation Area	Public
Watertown	City of Watertown	405 14 <sup>th</sup> Ave NW	Non Emergency Response Facility	Water Supply - Storage Tanks	14 <sup>th</sup> Ave NW	Public

Jurisdiction/ Entity	Location	Address	Sector	Sub sector	Name	Owner Type
Watertown	City of Watertown	302 14th St SE	Non Emergency Response Facility	Water Supply - Storage Tanks	14th St SE	Public
Watertown	City of Watertown	1028 18th St NE	Non Emergency Response Facility	Water Supply – Storage Tanks	19 <sup>th</sup> St NE	Public
Watertown	City of Watertown	16769 SD HWY 20	Non Emergency Response Facility	Water Supply – Storage Tanks	North Lake Drive	Public
Watertown	City of Watertown	955 S. Lake Dr.	Non Emergency Response Facility	Water Supply – Storage Tanks	South Lake Drive	Public
Watertown	City of Watertown	1415 6 <sup>th</sup> Ave NW	Non Emergency Response Facility	Water Supply – Wells	Treatment Plant	Public
Watertown	City of Watertown	119 S Maple St	Non Emergency Response Facility	Water Supply – Wells	Detention Center Area	Public
Watertown	City of Watertown	311 1 <sup>st</sup> Ave NE	Non Emergency Response Facility	Electrical Supply	Uptown Substation	Public
Watertown	City of Watertown	Fish Road SW	Non Emergency Response Facility	Electrical Supply	Pelican Substation	Public
Watertown	City of Watertown	300 14 <sup>th</sup> St SE	Non Emergency Response Facility	Electrical Supply	East Substation	Public
Watertown	City of Watertown	3225 9 <sup>th</sup> Ave SW	Non Emergency Response Facility	Electrical Supply	West Substation	Public
Watertown	City of Watertown	901 4 <sup>th</sup> Ave SW	Non Emergency Response Facility	Electrical Supply	Watertown Municipal Utilities (Main Location)	Public
Watertown	City of Watertown	Loop around Watertown	Non Emergency Response Facility	Electrical Supply	Transmission Line and Fiber Ring	Public
Watertown	City of Watertown	701 20 <sup>th</sup> Ave SW	Non Emergency Response Facility	Natural Gas Supply	Peak Shaving Plant	Public
Watertown	City of Watertown	702 20 <sup>th</sup> Ave SW	Non Emergency Response Facility	Natural Gas Supply	NNG - TBS	Public
Watertown	Rural Codington County		Non Emergency Response Facility	Water Supply – Transmission Lines	Rauville Well Transmission Lines	Public
Watertown	Rural Codington County	45453 165th St	Non Emergency Response Facility	Water Supply – Wells	Rauville Wells	Public
Watertown	City of Watertown	600 Block, 4th Ave SW	Transportation	Bridge on Evacuation Route	4th Ave SW	Public
Watertown	City of Watertown	300 Block 9th Ave SW and 2200 Block 9th Ave SE	Transportation	Bridge on Evacuation Route	US Hwy 212	Public
Watertown	City of Watertown	900 Block Broadway St South	Transportation	Bridge on Evacuation Route	Broadway St	Public
Watertown	City of Watertown	100 Block First Ave NE	Transportation	Bridge on Evacuation Route	1st Ave NE	Public
Watertown	City of Watertown	1100 Block 20th Ave SE	Transportation	Bridge on Evacuation Route	20th Ave SE	Public
Watertown	City of Watertown	800 Block, 14th Avenue NW	Transportation	Bridges on Evacuation Route	14th Ave NW	Public
Watertown	City of Watertown	600 Block, 10th Avenue NW	Transportation	Bridges on Evacuation Route	10th Ave NW	Public
Watertown	City of Watertown	600 Block, 3rd Avenue NW	Transportation	Bridges on Evacuation Route	3rd Ave NW	Public
Watertown	City of Watertown	601 Block, Kemp Ave West	Transportation	Bridges on Evacuation Route	Kemp Ave W	Public
Watertown	City of Watertown		Transportation	Evacuation Route	Highway 212	Public
Watertown	City of Watertown		Transportation	Evacuation Route	Interstate 29	Public

Jurisdiction/ Entity	Location	Address	Sector	Sub sector	Name	Owner Type
Watertown	City of Watertown		Transportation	Evacuation Route	Highway 81	Public
Watertown	City of Watertown		Transportation	Evacuation Route	Highway 20	Public
Watertown	City of Watertown	100 Block First Ave NE	Transportation	Bridge on Evacuation Route	1st Ave NE	Public
Watertown	City of Watertown	5 12th Street SW	Non Emergency Response	Population to Protect	McKinley Elementary	Public
Watertown	City of Watertown	619 2nd Street W	Non Emergency Response	Population to Protect	Mellette Elementary	Public
Watertown	City of Watertown	1701 N Maple	Non Emergency Response	Population to Protect	Jefferson Elementary	Public
Watertown	City of Watertown	1100 13th Street NE	Non Emergency Response	Population to Protect	Lincoln Elementary	Public
Watertown	City of Watertown	412 2nd Street SE	Non Emergency Response	Population to Protect	Roosevelt Elementary	Public
Watertown	City of Watertown	216 10th Street SE	Non Emergency Response	Population to Protect	Garfield School	Public
Watertown	City of Watertown	1000 3rd Avenue NE	Non Emergency Response	Population to Protect	Boys and Girls Club	Private
Watertown	City of Watertown	1700 11th Street NE	Non Emergency Response	Population to Protect	Watertown Middle School	Public
Watertown	City of Watertown	601 11th Street NE	Non Emergency Response	Population to Protect	Watertown Intermediate School	Public
Watertown	City of Watertown	200 9th Street NE	Non Emergency Response	Population to Protect	Watertown High School	Public
Watertown	City of Watertown	109 3rd Street SE	Non Emergency Response	Population to Protect	IC School	Private
Watertown	City of Watertown	15 12th Avenue NE	Non Emergency Response	Population to Protect	Watertown Christian School	Private
Watertown	City of Watertown	1200 Luther Ln NE	Non Emergency Response	Population to Protect	Great Plains Lutheran School	Private
Watertown	City of Watertown	1712 17th Street SE	Non Emergency Response	Population to Protect	Anza Soccer Field	Public
Watertown	City of Watertown	112 21st Street NW	Non Emergency Response	Population to Protect	Koch Complex	Public
Watertown	City of Watertown	1801 3rd Avenue NW	Non Emergency Response	Population to Protect	Foundation Fields	Public
Watertown	City of Watertown	1701 17th Street SE	Non Emergency Response	Population to Protect	Premier Softball Complex	Public
Watertown	City of Watertown	112 21st Street NW	Non Emergency Response	Population to Protect	Watertown Skate Park	Public
Watertown	City of Watertown	2 16th Street W	Non Emergency Response	Population to Protect	Watertown Stadium	Public
Watertown	City of Watertown	1515 15th Street NE	Non Emergency Response	Population to Protect	Prairie Lakes Wellness Center	Public
Watertown	City Watertown	415 4th Ave NE	Non Emergency Response	Population to Protect	Golden Living Center	Private
Watertown	City Watertown	225 S Maple	Non Emergency Response	Population to Protect	Cedar View Assisted Living	Private
Watertown	City Watertown	215 S Maple	Non Emergency Response	Population to Protect	Jenkins Living Center	Private
Watertown	City Watertown	500 16th Ave NE	Non Emergency Response	Population to Protect	Stoneybrook Suites	Private
Watertown	City Watertown	215 9th Ave SE	Non Emergency Response	Population to Protect	Tri-State Nursing	Private
Watertown	City Watertown	424 9th St SE	Non Emergency Response	Population to Protect	Prairie Crossing	Private



Jurisdiction/ Entity	Location	Address	Sector	Sub sector	Name	Owner Type
Watertown	City Watertown	901 14th AVE NE	Non Emergency Response	Population to Protect	The Commons	Private
Watertown	City Watertown	17444 Meadow Lake	Non Emergency Response	Population to Protect	Meadow Lake Acres	Private
Watertown	City Watertown	111 6th Ave NE	Non Emergency Response	Population to Protect	Jenkins Living Center	Private
Watertown	City Watertown	420 9th St SE	Non Emergency Response	Population to Protect	Edgwood Vista	Private
Watertown	City Watertown	220 S Maple	Non Emergency Response	Population to Protect	Jenkins Town View Apartments	Private
Watertown	City of Watertown	901 4th St NE	Medical	Population to Protect	Prairie Lakes Hospital	Private

**Table 4.23: Watertown Estimated Potential Dollar Losses to Vulnerable Structures**

Type of Structure	Number of Structures			Value of Structures			Number of People		
	# in City	# in HA*	% in HA	\$ in City	\$ in HA	% in HA	# in City	# in HA	% in HA
Residential	7,864	1,145	14.56	\$926,777,547	\$125,375,595	13.53	21,482	2,930	13.63
Commercial/Industrial	1,165	160	13.73	\$390,681,038	\$28,861,762	7.39			
Agricultural	0			\$0					
Manufactured Home	440	31**	7.05	\$7,227,837	\$2,706,582	37.45	Included in "Residential"		
<b>Total</b>	<b>9,469</b>	<b>1,336</b>	<b>14.10</b>	<b>\$1,324,686,422</b>	<b>\$156,943,939</b>	<b>11.85</b>	<b>21,482</b>	<b>2,930</b>	<b>13.63</b>

NOTE: \*1,192 residential structures include: 917 single family dwelling units, 199 units in multiple family dwellings.

\*\*This number represents the number of parcels with manufactured homes. The number in the city represents the total number of manufactured homes. Numerous parcels include more than one manufactured home on a parcel (ie. manufactured home courts.)

**Notes:**

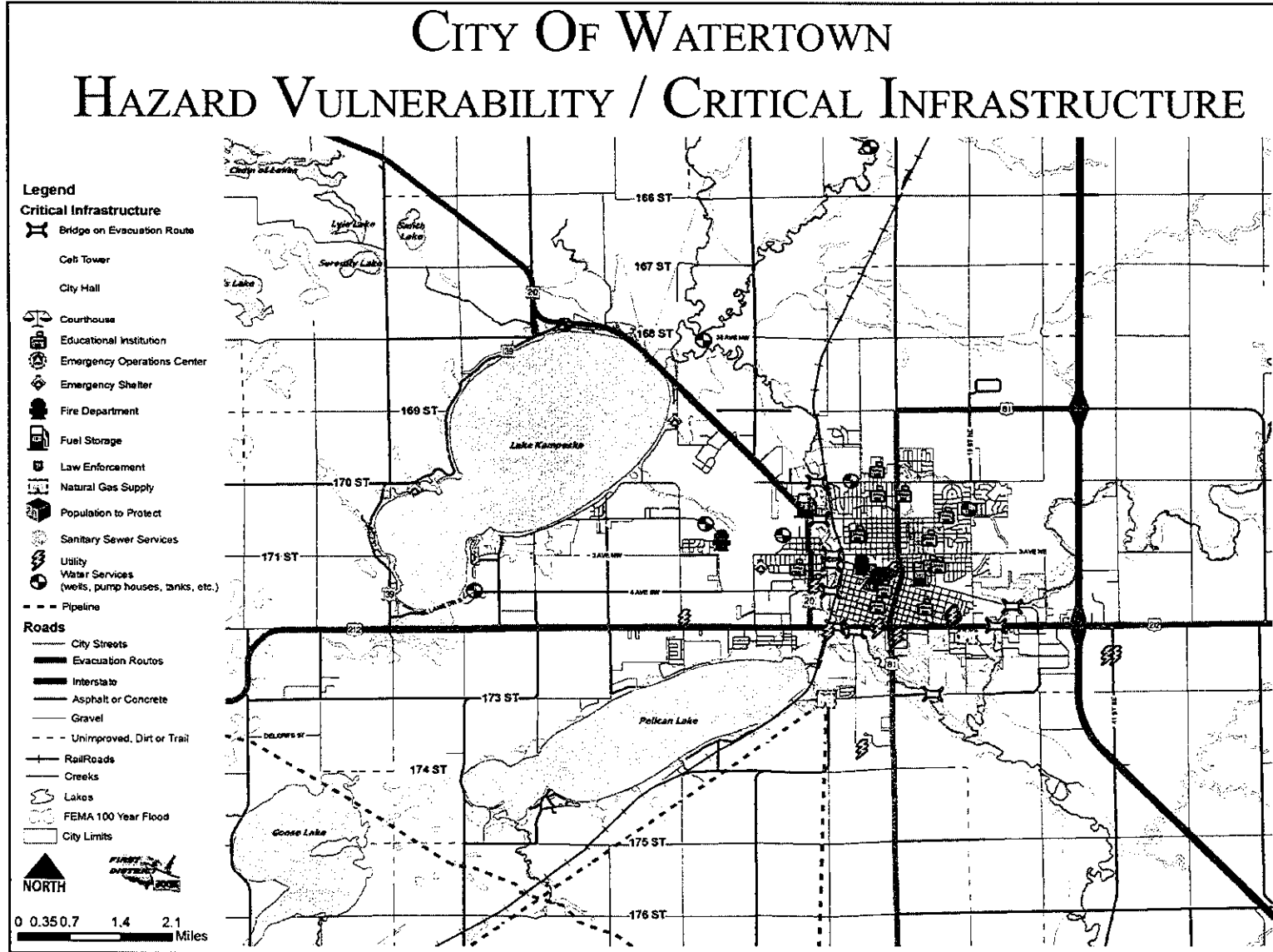
# in HA: Number of structures in hazard area was determined using aerial photography and DFIRM boundaries provided by FEMA. Some structures included may have received LOMA's, removing them from the flood plain, since the effective date of the current DFIRM.

\$ in HA: Value of structures in hazard area was estimated by extrapolating assessed valuations of structures on parcels which had a primary structure within the hazard area. This data was provided by the Codington County Department of Equalization and is classified by land use.

# in [Jurisdiction]: The number of people was based on the 2010 Census.

# in Hazard Area: The number of people in a hazard area was determined by multiplying the average household size of a given community as identified by the number of structures in the identified hazard area, and multiplying that number by the rate of occupancy for the community (All statistics from the US Census 2010).

Figure 4.7: City of Watertown Hazard Vulnerability Map



**Table 5.1: Proposed Mitigation Activities**

CITY OF WATERTOWN ACTIONS	RATING	TIMEFRAME	CONTACT	COST	FUNDING SOURCE	HAZARD	GOAL
Mahoney Creek Dam	High	Long	City Engineer	\$40,000,000.00	USACE	Flooding	Protect Specific Areas of Codington County from floods.
Storm Sewer (11th St East) replace/upsized	High	Medium	City Engineer	\$1,200,000.00	DOT	Flooding	Protect Specific Areas of Codington County from floods.
Roby Creek drainage improvements (Bank stabilization, clean out, definition, detention/conveyance)	Medium	Medium	City Engineer	\$500,000.00	DENR/HMGP	Flooding	Protect Specific Areas of Codington County from floods.
3rd Avenue Bridge Replacement	High	Medium	City Engineer	\$500,000.00	DOT	Flooding	Protect Specific Areas of Codington County from floods.
Big Sioux drainage improvements (Box culverts on Kemp, Cleanout of RR Tressel – Willow Creek, 20 <sup>th</sup> Ave South Bridge)	Medium	Medium	Wastewater Superintendent	\$1,000,000.00	HMGP	Flooding	Protect Specific Areas of Codington County from floods.
Ice Jam Breaks	Low	Long	City Engineer	UNKNOWN	CITY/HMGP	Rapid Ice Melt	Protect Specific Areas of Codington County from floods.
Tornado Shelter (trailer parks)	High	Medium	Fire Department	\$50,000.00 per facility	HMGP/PRIVATE	Severe Weather Hazards [summer ]	Improve public safety during severe weather situations

CITY OF WATERTOWN ACTIONS	RATING	TIMEFRAME	CONTACT	COST	FUNDING SOURCE	HAZARD	GOAL
Raise Vent pipes on gas meters above BFE approximately 500 around L. Kampeska (\$300/occurrence)	High	Medium	Watertown Municipal Utilities	\$150,000.00	HMGP	Flooding	Reduce the extent to which utility mishaps affect areas during flooding events
Mitigation (elevation, buyout, relocate) of repetitive loss residences (\$30,000 per site)	Low	Long	City Engineer	\$2,250,000.00	HMGP	Flooding	Reduce the extent to which utility mishaps affect areas during flooding events
Improve drainage on Jensen Avenue	Medium	Medium	City Engineer	\$800,000.00	CITY/DOT/HMGP	Flooding	Protect Specific Areas of Codington County from floods.
Generator for lift stations (3)	Low	Medium	Wastewater Superintendent	\$200,000.00	HMGP/OEM	Severe Weather Hazards (summer and winter)	Reduce the extent to which utility mishaps affect areas during flooding events
Improve drainage south at approximate 7 <sup>th</sup> Street SE to Big Sioux River	Medium	Medium	City Engineer	UNKNOWN	CITY/HMGP	Flooding	Protect Specific Areas of Codington County from floods.
Improve Highland Park drainage from Karen/4 <sup>th</sup> Street SW to Highland Park	Medium	Short	City Engineer	UNKNOWN	CITY/HMGP	Flooding	Protect Specific Areas of Codington County from floods.

CITY OF WATERTOWN ACTIONS	RATING	TIMEFRAME	CONTACT	COST	FUNDING SOURCE	HAZARD	GOAL
Nelson Park area drainage	Medium	Medium	City Engineer	UNKNOWN	CITY/HMGP	Flooding	Protect Specific Areas of Codington County from floods.
10th Avenue N urban systems	Low	Medium	City Engineer	\$1,425,000.00	DOT	Flooding	Protect Specific Areas of Codington County from floods.
14th Avenue N Drainage and curb	Low	Long	City Engineer	\$1,320,000.00	DOT	Flooding	Protect Specific Areas of Codington County from floods.
Upgraded Back - up generator for uptown fire station	Medium	Short	Fire Department	\$50,000.00	HMGP/OEM	Severe Weather Hazards (summer and winter)	Reduce the extent to which utility mishaps affect areas during severe weather situations.

Figure 5.7: City of Watertown Potential Mitigation Project Map

