
Dane County Natural Hazard Mitigation Plan



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In Cooperation With
Dane County Executive Joe Parisi
And
Dane County Board of Supervisors Public Protection and Judiciary Committee

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Town of Verona Annex

Community Profile

The Town of Verona is located in the Southwest quadrant of the County, north of the Town of Montrose, east of the Town of Springdale, west of the City of Fitchburg, and south of the City of Madison. The land use is dominated by agriculture and woodlands, and dispersed one, two, and multi-family homes. According to the United States Census Bureau, the Town of Verona has a total area of 29.35 square miles, 29.31 square miles of it is land and .04 square miles is water.

As of the 2010 Census, there are 1,948 people, 746 households, and 592 families residing in the Town of Verona. The population density is 79.2 per square mile. There are 780 housing units at an average density of 31.7 per square mile. The municipality population distributed by the Wisconsin Department of Administration indicates that the 2016 population for Town of Verona was 1,975 people. Table 1 shows the population profile by age for the Town of Verona according to the 2010 Census.

Table 1 Population Profile of Town of Verona

Category	Number	Percent
Total population	1,948	100.0
Under 5 years	104	5.3
5 to 9 years	123	6.3
10 to 14 years	131	6.7
15 to 19 years	126	6.5
20 to 24 years	62	3.2
25 to 29 years	73	3.7
30 to 34 years	89	4.6
35 to 39 years	95	4.9
40 to 44 years	132	6.8
45 to 49 years	168	8.6
50 to 54 years	214	11.0
55 to 59 years	198	10.2
60 to 64 years	155	8.0
65 to 69 years	103	5.3
70 to 74 years	74	3.8
75 to 79 years	59	3.0
80 to 84 years	28	1.4
85 years and over	14	0.7

Data Source: 2010 U.S. Census

American Community Survey estimates for 2014 indicate that the median income for a household in the Town of Verona is \$96,750 and the median income for a family is \$99,926. The per capita income for the

Town of Verona is \$45,071. 97.9% of the population has at least a high school degree, while 48.8% of the population holds at least a bachelor's level degree.

Hazard Identification and Risk Assessment

The first step in a hazard analysis is to identify which hazards the community is vulnerable to. Table 2 outlines the hazard identification for the Town of Verona based on the Data Collection Guide. The Data Collection Guide listed all of the hazards that could impact anywhere in Dane County. The purpose of this worksheet was to identify and rank the hazards and vulnerabilities specific to the jurisdiction. The Town of Verona's planning team members were asked to complete the matrix by ranking each category on a scale of 0 to 5 based on the experience and perspective of each planning team member. A ranking of 0 indicated "no concern" while a ranking of 5 indicated "highest concern." This matrix appears as Table 2. This matrix reflects the significance of the hazards relative to one another.

This matrix reflects that the Town of Verona is most vulnerable to floods. The Town of Verona has a lower vulnerability to dam/levee failures, extreme cold and heat, drought, flood, fog, hail storm, landslides, lightning, subsidence, wildfire, windstorm, and winter storm. The vulnerability established here is a qualitative assumption based on the impacts, geographic extent, probability of future occurrence, and magnitude/severity. On the county level, these vulnerabilities were calculated with quantitative data as well.

Table 2 Vulnerability Assessment Matrix for the Town of Verona

Hazard	Hazard Attributes			Impact Attributes (0-1-2-3)						
				Primary Impact (Short Term – Life and Property)			Secondary Impact (Long Term- Community Impacts)			
	Area of Impact	Past History, Probability of Future Occurrence	Short Term Time Factors	Impact on General Structures	Impact on Critical Facilities	Impact on At-Risk Populations	Social Impact	Economic Impact	Severity of Other Associated Secondary Hazards	
	(1-5)	(1-5)	(1-5)	(0-5)	(0-5)	(0-5)	(0-5)	(0-5)	(0-5)	<i>Total</i>
Dam/Levee	1	1	1	0	0	0	0	0	0	3
Extreme Cold	5	4	3	1	2	2	1	1	2	21
Extreme Heat	5	2	3	1	2	3	1	1	2	20
Drought	5	2	1	1	2	2	1	3	4	21
Erosion	2	1	1	1	0	1	1	1	1	9
Flood	5	3	1	4	4	3	2	4	4	30
Fog	5	1	5	1	1	1	0	1	1	16
Hail Storm	2	1	5	1	0	0	0	1	1	11
Landslide	1	1	5	1	1	0	1	2	2	14
Lightning	5	3	5	1	0	2	0	0	2	18
Tornado	2	3	5	2	1	1	1	2	2	19
Wildfire	1	1	5	1	0	1	0	1	1	11
Windstorm	3	2	5	2	1	1	0	3	2	19
Winter Storm	5	4	5	3	3	4	3	3	4	34

Data Source: Town of Verona Data Collection Guide, 2015

Previous Hazard Events

Through the Data Collection Guide, the Town of Verona noted specific historic hazard events to include in the community profile. These events have been incorporated into the appropriate hazard chapters in the base plan. These events had a particular impact on the community beyond the impacts and events recorded in the Dane County Hazard Mitigation Plan. This is not a comprehensive summary of past incidents, as the hazard profiles collected in the main Mitigation Plan include other events that may have historically impacted the jurisdiction. The events noted by this jurisdiction in the Data Collection Guide include:

Severe Flooding: August 18-31, 2007

The President of the United States declared portions of southern and central Wisconsin as a major disaster due to sustained storms and flooding. The Town of Verona received Federal and State funds for damages to structures estimated at \$559,700. An additional \$31,060 of damage to roads in the Town of Verona was sustained during this event. In addition to damage to structures and crops as well as severe erosion of agricultural fields and streambanks was sustained. The Town of Verona planning members conducted a post-event assessment and analysis session; they proposed solutions for local landowners to implement in order to promote the reduction of future risk of damage to crops, the reduction of soil erosion, and sediment control.

Extreme Snow Accumulation: February 5-6, 2008

The declared event of sustained snowfall allowed the Town of Verona to apply for and receive FEMA funds totaling \$15,570 to cover extraordinary snow removal expenses over a 48 consecutive hour time period.

Severe Flooding: June 5-8 and 12th, 2008

Flooding in various areas of the Town of Verona affected roads and ditches in the southern half of the Town for several days. Although there were no deaths or injuries reported, a Disaster Declaration was issued by the U.S. President. The Town of Verona received FEMA and State funds totaling \$30,158.40 to cover costs for debris removal, pavement repair, ditch restoration, and culvert maintenance.

Tornado: July 22, 2010

An EF0 tornado touched down briefly, causing minor tree limb damage around Whalen road. The path was only .22 miles and averaged 15 yards in width. No structural damage was reported.

Snowstorm: January 31- February 3, 2011

Force labor costs over a 48 hour period for snow removal during a blizzard resulted in a reimbursement of \$9,037.20 during this disaster event.

Tornado: June 8, 2011

Numerous trees were uprooted, a garage was crushed by a fallen tree, and powerlines were knocked down by tree branches following an EF0/EF1 tornado that touched down near County Highway G and Sugar River Road. Maximum wind in this tornado reached 95 miles per hour and the average width along the path of the tornado was 70 yards.

Tornado: June 16, 2014

An EF3 touched down near the intersection of North Nine Mound Road and Cross Country Road in the Town of Verona with winds estimated to up to 140 miles per hour. The path of damage was approximately 100 yards wide and 0.96 miles in length. Within the Town, one structure was destroyed and several more severely damaged; the value for property damaged and destroyed was \$268,800. The Governor declared a State of Emergency for Green and Dane counties due to the extensive damage from severe thunderstorms and tornadoes that occurred between June 16th and 18th, 2014. The Town was reimbursed \$8,819.97 from the Wisconsin Disaster Fund to cover 70% of the eligible costs to the Town of Verona for debris collection and disposal.

Asset Inventory

Assets include the people, property, and critical facilities within the Town of Verona that are exposed to hazards in general. Inventories of property, essential infrastructure, and natural, cultural or historic resources help provide a comprehensive picture of the community and provide a method of assessing exposure to hazards by establishing the improved and total values, capacities and populations for these assets. It also forms the basis for estimating potential losses, where possible.

Population

Table 3 Vulnerable Population Summary

Disability Status from the 2014 American Community Survey	Number	Percent of Group with Disability
Population Under 5 years old with a Disability	0	0%
Population 5-17 years old with a Disability	12	3.8
Population 18-64 with a Disability	63	5.5
Population Over 65 years old with a Disability	55	21.1
Total Population with Disability	130	7.3

Other Vulnerable Populations	Estimate	Percentage
Families Below Poverty Level	6	1.1
Individuals Below Poverty Level	69	3.9
Of those poverty: Individuals Under 18	9	2.4

Other Vulnerable Populations	Estimate	Percentage
Of those poverty: Individuals Over 65	2	0.8
Total Population Over 5 who Speak English less than “very well”	17	1.0%
2014 ACS Total Population Estimate	1780	100%

Data Source: 2014 American Community Survey

General Property

Table 4 Property Exposure Summary

Property Type	Total Parcel Count	Improved Parcel Count	Improved Values (\$)	Content (\$)	Total Value (\$)
Totals	1,141	706	147,240,600	73,620,300	220,860,900
Agriculture	319	106	20,355,100	10,177,550	30,532,650
Commercial	7	5	801,500	400,750	1,202,250
Utilities	9	2	229,100	114,550	343,650
Industrial	5	3	279,300	139,650	418,950
Institutional/ Governmental	5	0	0	0	0
Other	175	21	5,969,000	2,984,500	8,953,500
Residential	621	569	119,606,600	59,803,300	179,409,900

Data Source: Dane County Land Information Office

Critical Facilities

The Town of Verona has identified the following critical facilities important to protect from disaster impacts. These are collected in Tables 4. Table 4 is based on GIS data inventories from Dane County.

Table 5 Critical Facility Summary/Essential Infrastructure

Name of Asset	Type	Replacement Value	Occupancy/ Capacity	Hazard Specific Issue
Badger Prairie Health Care Center	EI			tornado, wildfire, power outage
Badger Prairie Needs Network	EI			tornado, wildfire, power outage
Madison Metro Sewerage District Pumping Station #12	EI			tornado, flooding, extended power outage, flooding
Bridge B-13-335	EI	\$600,000		flooding of Sugar River
Bridge B-13-346	EI	\$600,000		flooding of Sugar River
Bridge B-13-617	EI	\$600,000		flooding of Badger Mill Creek
Bridge B-13-785	EI	\$600,000		flooding of Badger Mill

Name of Asset	Type	Replacement Value	Occupancy/ Capacity	Hazard Specific Issue
				Creek
Bridge B-13-363	EI	\$600,000		flooding of Sugar River
Bridge B-13-365	EI	\$600,000		flooding of Badger Mill Creek
Bridge B-13-434	EI	\$600,000		flooding of Sugar River
Bridge B-13-487	EI	\$600,000		flooding of Sugar River
Bridge B-13-053	EI	\$600,000		flooding of Sugar River
Bridge B-13-383	EI	\$600,000		flooding of Sugar River
Bridge B-13-486	EI	\$600,000		flooding of Sugar River
Bridge P-13-183	EI	\$600,000		flooding of Sugar River
Town of Verona Hall	VF	\$2.0 million	75	tornado, wind, wildfire
Town of Verona Public Works (including equipment)	EI	\$1.7 million	20	tornado, wind, wildfire
Wisconsin Power and Light electrical substation	EI			tornado, wind, wildfire, extreme heat, extreme cold, lightning
Dane Com microwave tower	EI			tornado, wind, lightning
Dane County tower	EI			tornado, wind, lightning
U.S. Cellular tower	VF			tornado, wind, lightning
Entercom Tower	EI			tornado, wind, lightning
Town of Verona Public Works Radio Tower	EI	\$800		tornado, wind, lightning
Verona Airport	VF			flooding, wildfire
Sugar Ridge Airport	VF			flooding, wildfire
345 KV Electric Transmission Line	EI			tornado and ice storm
69/138 KV Electric Transmission Line	EI			tornado and ice storm

Data Source: Town of Verona, *EI: Essential Infrastructure; VF: Vulnerable Facilities; HM: Hazardous Materials Facilities;

Vulnerability to Specific Hazards

This section details vulnerability to specific hazards, where quantifiable, and where it differs from that of the overall County. The previous inventory tables quantify what is exposed to the various hazards within the Town of Verona. Table 5 cross-references the hazards with the various tables where exposure or vulnerability specifics are found. The intent of Table 5 is to quantify, where possible, future impacts of each hazard on the jurisdiction. In many cases it is difficult to estimate potential losses, so the overall exposure of populations, structures, and critical facilities is referenced.

Table 6 Hazard Vulnerability Specifics

Hazard	Populations	Structures	Critical Facilities	Future Damage Potential
Dam Failure	None	None	None	Specifics unknown; See hazard profile in County Plan
Drought	Minimal	None	Minimal	Specifics unknown; See hazard profile in County Plan
Flooding	See section below	See section below	See section below	See section below
Fog	Minimal	None	None	Specifics unknown; See hazard profile in County Plan
Hailstorm	Minimal	See Property Exposure table 3	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
Landslide/ Sinkholes/ Erosion	Minimal	Minimal	Minimal	Specifics unknown; See hazard profile in County Plan
Lightning	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
Severe Cold	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
Severe Heat	See Table 2 Population	None	Minimal	Specifics unknown; See hazard profile in County Plan
Severe Winter Storm	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
Tornado	See Table 2 Population	See section below	See Critical Facility Inventory Table(s)	See section below
Wildfire	Minimal	Minimal	Minimal	Specifics unknown; See hazard profile in County Plan
Windstorm	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan

Flood

Structures and Properties in the Floodplain

Refer to the flood profile in the mitigation plan for a description of the methodology used to identify potentially flood-prone properties. Figure 1 shows mapped floodplains, future growth areas, and critical or vulnerable facilities. Tables 7 and 8 outline the primary structures and properties with primary

structures on them within the Town of Verona. Potential number of individuals at risk figures are based on primary residential structures and the average household size within Dane County.

Table 7 Primary Structures in the Floodplain

Total Floodway Structures	Floodway Residential Structures	Total Structures in 100 year Floodplain	Residential Structures in 100 year Floodplain	Potential Number of Individuals at Risk in 100 year Flood	Total Structures in 500 year Floodplain	Residential Structures in 500 year Floodplain	Potential Number of Individuals at Risk in 500 year Flood
0	0	4	3	6.99	9	6	13.98

Source: Analysis based on Dane County Land Information Office Data

Table 8 Properties with Primary Structures in the Floodplain

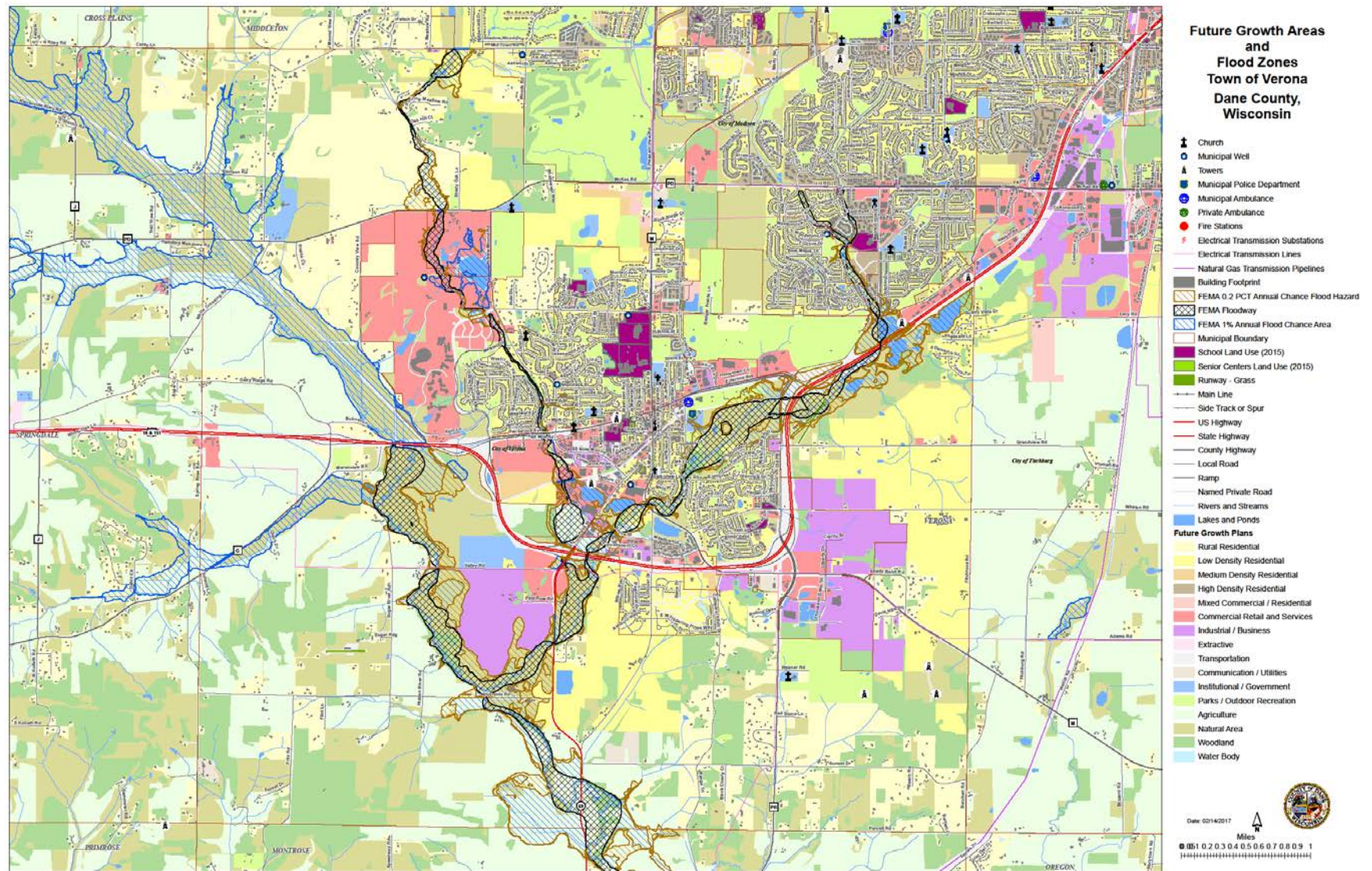
Total Floodway Properties	Floodway Improved Values	Floodway Residential Properties	Total Properties in 100 year Floodplain	Total Improved Value of Properties in 100 year Floodplain	Residential Properties in 100 year Floodplain	Total Properties in 500 year Floodplain	Total Improved Value of Properties in 500 year Floodplain	Residential Properties in 500 year Floodplain
0	\$0	0	4	\$240,800	3	9	\$551,000	6

Source: Analysis based on Dane County Land Information Office Data

Repetitive Loss Properties and Flood Insurance Policies

No repetitive losses have been reported. Flood insurance policies and loss statistics are included as part of the County plan.

Figure 1 Flood Hazards and Future Land Use Map



Tornado

While it is difficult to estimate specific losses to a tornado due to the random nature of the event, a methodology was developed that was applied to each jurisdiction during the update. The table below estimates the percent area of the jurisdiction that could be impacted based on the average sized tornado (F2) in Dane County. High value exposure is based on 100% loss, medium 50% loss, and low is 25% loss to the property potentially impacted. The loss ratio, which is the ratio of the damaged building value to total exposed building value, is a measure of the impact to the jurisdiction as a whole. Communities with loss ratios 10% or more may have difficulty recovering from a disaster. Refer to the tornado hazard profile in the main mitigation plan for more details on this methodology.

Table 9 Tornado Loss Estimate

% Area of Impact	Improved Parcel Count	Affected Structure Estimate	Total Exposed Value	Estimated Loss \$ - High Damage Range	Estimated Loss \$ - Moderate Damage Range	Estimated Loss \$ - Low Damage Range	Loss Ratio for Moderate Damage Range
3.51%	773	27	\$243,283,050	\$8,551,376	\$4,275,688.25	\$2,137,844.12	1.8%

Data Source: Analysis Based on Dane County Land Information Office's data

Growth and Development Trends

Planned land use is shown in Figure 1, in relation to the flood hazard. Table 10 illustrates how the Town of Verona has grown in terms of population and number of housing units between 2010 and 2014-15. Housing data is to 2014 due to data availability. Table 11, drawn from the Demographics Services Center at the Wisconsin Department of Administration, shows population projections through 2035.

Table 10 Town of Verona Change in Population and Housing Units, 2010-2014/15

2010 Population	2016 Population	Percent Change (%) 2010-2015	2010 # of Housing Units	2014 # of Housing Units	Percent Change (%) 2010-2014
1948	1975	1.40%	780	709	-9.1%

Data Source: Dane County and Wisconsin Department of Administration.

Table 11 Town of Verona Projected Change in Population 2015-2035

Population Change	5 year Growth %	2015	2020	2025	2030	2035
Increase by same percentage each year	0.36%	1,983	2,018	2,054	2,091	2,128

Capability Assessment

Capabilities are the programs and policies currently in use to reduce hazard impacts or that could be used to implement hazard mitigation activities. This capabilities assessment summarizes regulatory mitigation capabilities, administrative and technical mitigation capabilities, and fiscal mitigation capabilities for the Town of Verona.

Mitigation Capabilities Summary

Table 12 lists planning and land management tools typically used by local jurisdictions to implement hazard mitigation activities, or by themselves contribute to reducing hazard losses. The table also indicates which of these tools are currently utilized in the Town of Verona.

Table 12 Town of Verona Regulatory Mitigation Capabilities

Regulatory Tool (ordinances, codes, plans)	Yes/No	Comments
General or Comprehensive plan	Yes	
Zoning ordinance	No	Dane County
Subdivision ordinance	Yes	
Growth management ordinance	Yes	
Floodplain ordinance	No	Dane County
Other special purpose ordinance (storm water, steep slope, wildfire)	No	Dane County
Building code	Yes	
Fire department ISO rating	Yes	
Erosion or sediment control program	No	Dane County
Storm water management program	No	Dane County
Site plan review requirements	Yes	
Capital improvements plan	No	
Economic development plan	No	
Local emergency operations plan	Yes	
Capacity, Maintenance, and Operations Manual for Sewer Utility	Yes	
Flood insurance study or other engineering study for streams	No	
Elevation certificates (for floodplain development)	No	
Other	No	

Data Source: Town of Verona Data Collection Guide

Table 13 identifies the personnel responsible for mitigation and loss prevention activities as well as related data and systems in the Town of Verona.

Table 13 Responsible Personnel and Departments for the Town of Verona

Personnel Resources	Yes/No	Department/Position
Planner/engineer with knowledge of land development/land management practices	Yes	Amanda Arnold, Planner/Administrator
Engineer/professional trained in construction practices related to buildings and/or infrastructure	No	All contracted
Planner/engineer/scientist with an understanding of natural hazards	No	All contracted
Personnel skilled in GIS	Yes	John Wright, Clerk/Treasurer
Full-time Building Official	No	All contracted
Floodplain Manager	No	All contracted
Emergency Manager	No	All contracted
Grant Writer	No	All contracted
Other Personnel	Yes	Public Works
GIS Data Resources – (land use, building footprints, etc.)	Yes	Available through Dane County Land Information Office
GIS Data – Links to assessor’s data	Yes	Available through Dane County Land Information Office and Town of Verona Assessor’s on-line database
Warning systems/services (Reverse 9-11, cable override, outdoor warning signals)	No	Dane County
Other:	No	Contracted

Data Source: Town of Verona Data Collection Guide

Table 14 identifies financial tools or resources that the Town of Verona could potentially use to help fund mitigation activities.

Table 14 Financial Resources for the Town of Verona

Financial Resources	Accessible/Eligible to Use (Yes/No)
Community Development Block Grants	No
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
Fees for water, sewer, gas, or electric services	Yes
Impact fees for new development	Yes
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes

Financial Resources	Accessible/Eligible to Use (Yes/No)
Incur debt through private activities	No

Data Source: Town of Verona Data Collection Guide

Additional Capabilities

The Town has compiled a large amount of data for this plan, and for use in future mitigation activities. The extensive documentation completed by the Town is not represented in the annex in its entirety. Dane County Emergency Management and Town of Verona both have the gathered information for future planning and project purposes.

Additionally, the Town of Verona continually takes on maintenance efforts and financial and other planning efforts to ensure that the jurisdiction is prepared for a variety of potential impacts of natural disasters.

Overall Financial Planning

The Town of Verona has reserve funds equivalent to one year's operating expenses. While most of these funds are earmarked for specific purposes, the Town Board would have the option of using the funds in a dire emergency. Moreover, the Town of Verona has no debt, allowing great financial flexibility in dealing with a potential crisis.

Equipment

The Town of Verona has a policy to replace snowplow equipment on a rotational basis. Three trucks are replaced approximately every fifth year on a staggered rotation.

Televising of the public sewerage system is scheduled on an ongoing basis so that entire system cycle is completed every six years. Repairs are completed for a section the year following the televising so that they can be accurately budgeted. Special Charges are added to property tax bills for those within this Utility District with public sewerage service to cover operating costs and to maintain a capital reserve (current reserves for repair/replacement are approximately \$80,000). This routine of televising and repair minimizes the risk of infiltration/inflow, overflow, and backup events that could compromise the efficiency of the system and/or put public health at risk.

Sewer

A Town of Verona Capacity, Management, Operation, and Maintenance (CMOM) policy for the public sewerage infrastructure was completed in June of 2016. This policy codifies the policies already in place in addition to identifying an appropriate response for any natural or man-made event that disrupts the normal functionality of the system.

Roads and Driveways

The Town of Verona Patrolman, Town of Verona Public Works Committee, contracted engineers, and DOT staff reviews Town road paving, ditching, shoulders, signage, culverts, and bridges on an annual basis. The ratings, in turn, determine future maintenance/reconstruction/replacement and budgeting. In

addition to funding improvements through property taxes, Department of Transportation aids based on mileage, shared revenue payments from the Wisconsin Department of Revenue, and Local Road Improvement Program grants and Town Road Improvement Discretionary grants are sought and used. The Town reviews its right-of-way on a regular basis and contracts for tree trimming/removal that present a potential safety issue to the public.

In 2014, the Town of Verona Driveway Ordinance was amended (previous amendment was 2009) to accommodate modern firefighting apparatus including hammerhead turnarounds near rural residences, updating minimum standards for driveway construction, trimming of trees adjacent to drives, and detailed standards for sightlines and flares where driveways intersect Town roads.

Stormwater

The Town of Verona, City of Fitchburg, and City of Madison worked collaboratively in 2004 to install stormwater infrastructure while reconstructing Nesbitt Road. The project included curb, gutter, stormwater inlets, access manholes, a Continuous Deflection Separation (CDS) unit, culverts, and a detention basin. The Town of Verona is currently working with the City of Fitchburg to further refine this system so that it can keep up with increasing demands due to development within the City of Fitchburg.

Fire and EMS

In 2014, the Town of Verona and City of Verona dissolved a shared fire district. The Town now contracts for services through the City of Verona and has a 30-year commitment to the capital fund to maintain and replace emergency equipment. In 2015, the City of Verona built a new fire station to house the Fire Department staff and equipment as well as to provide a satellite location for the regional emergency management service, Fitch-Rona EMS. Likewise, the Town of Verona's contract with the Fitch-Rona EMS includes a commitment to capital costs to maintain and replace equipment.

Future Facilities

In 2014, the Town residents at the Annual Budget Meeting approved the purchase of land as a first step towards building a new town hall and public works facility. Initial plans were reviewed at a public meeting in the Town in 2015. Town residents approved funds at the 2016 Annual Town Meeting to construct a Town Hall, Public Works facility, and Salt Shed. Construction was completed in January 2017 and staff took occupancy on February 1, 2017. The design of the new facilities allows all public works equipment to be stored inside to prolong the life of equipment and reduce the time for it to be available in the event of an emergency. Furthermore, the grounds will allow space to store and process downed trees and limbs; this was not possible at the former site.

Communications

In 2013, public works mobile, portable, and base radio equipment was modernized to be compliant with new FCC narrow band standards. Likewise, the Town paid its proportionate share to the City of Verona Fire Department and Fitch-Rona EMS for the modernization of their communications equipment including interoperability standards defined by DaneCom. The Town continues to pay its proportionate share for County emergency communications managed by DaneCom.

In 2015 the Town of Verona upgraded its website, web hosting service, and website software. Edits to the website can now be made in real time by office staff. The Town continues to add to listserv recipients who receive regular updates on meetings, local, county, and state developments.

Social Services

The Town of Verona continues to support the local Meals on Wheels program for at-risk seniors; the Town provided start up support to the Badger Prairie Needs Network that is the local food pantry for at-risk families. In addition, the Town has contributed substantial funds to the local food bank for the last two years. These two efforts provide food security to the Town's most vulnerable populations.

Intergovernmental Cooperation

The Town of Verona is in continual conversations with the neighboring jurisdictions of the City of Madison, the City of Verona, the City of Fitchburg, and Dane County. A variety of agreements for road planning and maintenance add to the Town's ability to provide safe transportation in emergency situations. In addition, the Town and City of Verona has worked cooperatively during past emergencies such as the 2014 tornado to address disaster clean-up.

National Flood Insurance Program Participation

The Town of Verona does not participate in the National Flood Insurance Program as a stand-alone entity, but is covered under the County's participation.

Public Involvement Activities

The Town of Verona community participated in the County public outreach process. This was a series of public workshops held around the County in which an overview of natural hazard mitigation was given and the County plan was discussed. Residents were then given the opportunity to give their input on mitigation actions that could be taken, and filled out informational surveys that assessed the level of risk the perceived within their own community. More information on these meetings can be found in the County base plan.

Mitigation Objectives (Actions)

The Town of Verona is continuing the mitigation action it proposed in the 2010 Plan.

Objective # 1: Develop and implement a plan to prevent flood damage to residents on the Upper Sugar River and those farm lands that are low elevations. The Town will adopt a schedule for clearing drainage ways, clearing debris from culverts and maintaining proper drainage elevations that may restrict the flow of storm water in the affected areas.

Steps:

- 1) Involve public works staff to create overall plan for mitigation areas.
- 2) Use current staff and town engineers to measure proper grading and drainage elevations.

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- 3) Work with City of Verona public works staff for assistance with clearing debris from culverts with high pressure water hoses.

Lead Implementing Agency: Town of Verona

Supporting Agencies:

- Dane County Emergency Management
- Dane County Land Conservation
- Department of Natural Resources
- City of Verona

Possible Funding and Technical Assistance:

- Staff time
- FEMA – Hazard Mitigation Grant Program
- FEMA – Flood Mitigation Assistance
- FEMA – Pre-Disaster Mitigation
- U.S. Army Corps of Engineers Small Flood Control Projects
- DNR – Municipal Flood Control Grant Program

Time Line: April 2009 to be continued quarterly

Priority: High

Estimated Cost: \$10,000 for staff time and engineering fees

Update from previous plan: Greater attention has been paid to culverts and ditching when working with the Town's engineering contractor when deciding road paving, repair, and reconstruction goals for each year. Several culverts have been replaced since the adoption of the previous plan, but many more will be replaced in the future. Ditching has been improved on several roads especially when reconstructing those roads. Although many improvements have occurred, this is an ongoing goal that should be retained. The Town still needs to work out an agreement with the City of Verona or a private contractor to keep culverts clear of debris.