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## City of Verona Annex

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### Community Profile

The City of Verona is located one mile southwest of Madison within the Town of Verona in the center of the County. Land use is dominated by residential and commercial uses. According to the United States Census Bureau, the City of Verona has a total area of 6.3 square miles, all of it land.

As of the 2010 Census, there are 10,619 people, 4,223 households, and 2,845 families residing in the City of Verona. The population density is 1,684.4 people per square mile. There are 4,461 housing units at an average density of 707.6 per square mile. There are 4,223 households with an average size of 2.5 in the City. A population age profile for the City in Table 1 below.

**Table 1 Population Age Profile**

Category	Number	Percent
Total population	10,619	100.0
Under 5 years	712	6.7
5 to 9 years	933	8.8
10 to 14 years	899	8.5
15 to 19 years	723	6.8
20 to 24 years	366	3.4
25 to 29 years	588	5.5
30 to 34 years	742	7.0
35 to 39 years	824	7.8
40 to 44 years	893	8.4
45 to 49 years	971	9.1
50 to 54 years	854	8.0
55 to 59 years	635	6.0
60 to 64 years	436	4.1
65 to 69 years	283	2.7
70 to 74 years	207	1.9
75 to 79 years	172	1.6
80 to 84 years	152	1.4
85 years and over	229	2.2

Data Source: 2010 U.S. Census

According to the 2014 American Community Survey, the median income for a household in the City of Verona is \$81,474 and the median income for a family is \$99,692. The per capita income for the City of Verona is \$37,977. 98.7% of the population has at least a high school degree, while 50.5% of the population holds at least a bachelor's level degree.

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## **Hazard Identification and Risk Assessment**

A hazard identification and vulnerability analysis was completed for the City of Verona using the same methodology in the base plan. The information to support the hazard identification and risk assessment for this Annex was collected through a Data Collection Guide, which was distributed to each participating municipality to complete.

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 City 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 City 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 City of Verona is most vulnerable to tornado, winter storms, and lightning. The City of Verona has a medium vulnerability to flood, wildfire and windstorm, and a lower vulnerability to extreme cold and heat, dam/levee failures, drought, erosion, fog, hail storm, landslides, and subsidence. The vulnerability established here is a qualitative assumption based on the impacts, geographic extent, probability of future occurrence, and magnitude/severity.

**Table 2 Vulnerability Assessment Matrix for the City of Verona**

Hazard	Hazard Attributes			Impact Attributes						Total
				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)	
Dam/Levee Failure	1	1	1	0	0	0	0	0	0	<b>3</b>
Extreme Cold	4	2	1	1	1	1	2	1	1	<b>14</b>
Extreme Heat	4	3	2	0	0	3	2	1	1	<b>16</b>
Drought	2	1	1	0	0	0	1	1	1	<b>7</b>
Expansive soils	1	1	1	1	1	1	1	1	1	<b>9</b>
Flood	3	3	3	3	1	2	1	3	3	<b>22</b>
Fog	2	2	2	0	0	0	1	1	1	<b>9</b>
Hail Storm	2	2	3	1	1	1	1	1	1	<b>13</b>
Landslide	1	1	1	0	0	0	0	0	0	<b>3</b>
Lightning	2	3	3	3	3	3	2	2	2	<b>23</b>
Tornado	3	3	3	5	5	5	5	5	5	<b>39</b>
Wildfire	1	1	1	3	2	2	2	3	2	<b>17</b>
Windstorm	3	3	3	2	1	1	2	2	2	<b>19</b>
Winter Storm	5	5	3	2	2	3	3	3	3	<b>29</b>

Data Source: City of Verona Data Collection Guide

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## **Previous Hazard Events**

Through the Data Collection Guide, the City 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:

### ***Winter Storm: February 5-6, 2008***

Record snow fall affected the entire City of Verona during early February of 2008. The snow resulted in delays and closures along roadways, and in schools and businesses. The City of Verona received FEMA funds to help cover the expenses of salt/sand, labor and maintenance of vehicles used to remove the snow. The City of Verona planning members feel such an event is very likely to occur again.

### ***Tornado: June 8, 2011***

An EF0 tornado and strong winds struck the Southwest and Central parts of the city, including the Hometown Festival Grounds. One garage was destroyed, several vehicles were damaged, and a festival tent was destroyed. The elementary school was also damaged. No relief funds were received following this storm.

### ***Heavy Rain and Wind: July 17, 2012***

Rain and wind caused \$253,063 in damage to Country View Elementary School due to roof and water damage. School was on summer break and no injuries occurred in this event.

### ***Tornado: June 17, 2014***

An EF3 tornado touched down on the North/west side of Verona around 12:10am. While there were no injuries or deaths; 8 homes were majorly damaged, 19 homes were slightly damaged, an elementary school was severely damaged, and there was moderate damage to a large corporate campus. Additionally, numerous powerlines and trees were down. In all, estimated insured losses in the town were \$1,000,000 for residential areas, \$4,000,000 for businesses, and \$3,702,389 for the school district. Through the Wisconsin disaster fund, the City received \$29,842.96 in relief.

## **Asset Inventory**

Assets include the people, property, and critical facilities within the City 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	31	1.4
Population 18-64 with a Disability	402	5.8
Population Over 65 years old with a Disability	511	40.6
Total Population with Disability	944	8.4

Other Vulnerable Populations	Estimate	Percentage
Families Below Poverty Level	58	2
Individuals Below Poverty Level	493	4.4
Of those poverty: Individuals Under 18	65	2.1
Of those poverty: Individuals Over 65	126	10.0
Total Population Over 5 who Speak English less than "very well"	139	1.3
2014 ACS Total Population Estimate	1885	100%

Data Source: 2010 US Census, 2014 ACS

## General Property

**Table 4 Property Exposure Summary**

Property Type	Total Parcel Count	Improved Parcel Count	Improved Values (\$)	Content (\$)	Total Value (\$)
<b>Totals</b>	<b>3,911</b>	<b>3,315</b>	<b>1,435,034,600</b>	<b>717,517,300</b>	<b>2,152,551,900</b>
Agriculture	10	2	41,300	20,650	61,950
Commercial	166	137	693,972,800	346,986,400	1,040,959,200
Utilities	17	2	1,463,000	731,500	2,194,500
Industrial	35	30	30,525,300	15,262,650	45,787,950
Institutional/ Governmental	38	11	4,730,600	2,365,300	7,095,900
Other	823	328	143,291,200	71,645,600	214,936,800
Residential	2,822	2,805	561,010,400	280,505,200	841,515,600

Data Source: Dane County Land Information Office

## Critical Facilities

The City of Verona has identified the following critical facilities important to protect from disaster impacts. These are collected in Tables 5 and 6.

**Table 5 Critical Facility Summary/Essential Infrastructures**

Name of Asset	Address	Category	Type	Replacement Value	Occupancy/Capacity
Verona City Hall/Police Station	111 Lincoln Street	EI	Municipal	10,000,000	
Fire and EMS Station	101 Lincoln Street	EI	Municipal	10,000,000	
Public Works Facility	410 Investment Court	EI	Municipal	5,000,000	
Well #1	200 S. Shuman Street	EI	Utility	250,000	N/A
Well #2	200 Factory Street	EI	Utility	200,000	N/A
Well #3	315 N Nine Mound Road	EI	Utility	200,000	N/A
Well #4	305 Cross Country Road	EI	Utility	1,000,000	N/A
Well #5	1979 Milky Way	EI	Utility	3,500,000	N/A
Water Tower - W. Verona Ave.	408 W Verona Avenue	EI	Utility	1,200,000	N/A
Water Tower - Southeast	825 County Highway M	EI	Utility	1,000,000	N/A
Water Tower - North	Hemlock Drive	EI	Utility	1,300,000	N/A
Southeast Booster Station	585 S Main Street	EI	Utility	350,000	N/A
Electric Substation	6732 Couy Highway M	EI	Utility		N/A
Locust Drive Bridge	Locust & STH 18/151	EI	Bridge		
Old CTH PB Bridge	Old CTH PB & Badger Mill Creek	EI	Bridge		
Verona Public Library	500 Silent Street	VF	Municipal	10,000,000	
Verona Senior Center	108 Paoli Street	VF	Municipal	1,500,000	200
Willow Pointe Assisted Living	1125 N. Edge Trail	VF	Assisted Living		48 residents
Four Winds Lodge	309 Schweitzer Drive	VF	CBRF		26 residents
Sonrisas Assisted Living	315/317 Llanos Street	VF	Adult Family Home		8 residents
Orchid Home of Verona	1013 Gateway Pass	VF	CBRF		8 residents
Evergreen Home Care	1003 Tamarack Way	VF	CBRF		8 residents
Willow Pointe Memory Care	143 Prairie Oaks Drive	VF	CBRF		20 residents
Four Winds Manor	303 S Jefferson Street	VF	Nursing Home		44 residents
The Caring Center	402 W Verona Avenue	VF	Child Care		114 children

Name of Asset	Address	Category	Type	Replacement Value	Occupancy/Capacity
Once Upon a Time Child Care	910 Whalen Road	VF	Child Care		155 children
La Petite Academy	220 Cross Country Road	VF	Child Care		105 children
St. James Preschool	425 S Main Street	VF	Child Care		22 children
Tanya's Big House 4 Kidz	120 Enterprise Drive	VF	Child Care		100 children
Let the Dragons Fly Family Child Care	1113 Tamarck Way	VF	Child Care		8 children
Bahr Family Child Care	1383 Winchester Pass	VF	Child Care		6 children
Chichon Family Day Care	718 Arbor Vitae Place	VF	Child Care		8 children
Sue Rowe's 1st Care for Children	609 Wood Lawn Way	VF	Child Care		8 children
Park Play Daycare	405 S Jefferson Street	VF	Child Care		8 children
M&M's Learn and PlayCare Center	561/601 Hickory Court	VF	Child Care		8 children
Jennifer's Joyous Ones	106 N Jefferson Street	VF	Child Care		8 children
Pekol Family Day Care	316 Lucille Street	VF	Child Care		6 children
Aurora Mirand	1247 Enterprise Drive	VF	Child Care		6 children
Carnes Corporation	448 S. Main Street	HM	Hazardous Materials		
SAFC	1101 Kettle Morraine Trail	HM	Hazardous Materials		
Coating Place	200 Paoli Street	HM	Hazardous Materials		
United Vaccines	Kettle Morraine Trail	HM	Hazardous Materials		

Data Source: City of Verona

**Table 6 School District Specific Critical Facility Summary/Essential Infrastructures**

Location	Address	Replacement Value	Staff	Students
Verona Area High School	300 Richard St, Verona 53593	45,474,057.00	175	1520 between VAHS & K-Wing Bldg
VAHS Greenhouse	300 Richard St, Verona 53593	172,195.00	on occasion 1	0
VAHS Athletic Storage Shed	300 Richard St, Verona 53593	113,899.00	0	0
VAHS Concession Stand & Restrooms	300 Richard St, Verona 53593	304,688.00	a couple staff during events	
Verona Area Natatorium	400B North Main St, Verona 53593	2,640,978.00	5	45
High School K Wing	400 North Main St, Verona 53593	11,521,122.00	45	1520 between VAHS & K-Wing Bldg
Maintenance Shop	400 North Main St, Verona 53593	791,931.00	2	0

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<b>Location</b>	<b>Address</b>	<b>Replacement Value</b>	<b>Staff</b>	<b>Students</b>
Maintenance Cold Storage Shed	400 North Main St, Verona 53593	122,519.00	1	0
Sugar Creek Elementary School	420 Church Ave, Verona 53593	12,288,003.00	74	493
Sugar Creek Garage	420 Church Ave, Verona 53593	54,598.00	0	0
New Century Charter School	401 West Verona Ave, Verona 53593	2,310,972.00	26	121
Badger Ridge Middle School/CKCS	740 North Main St, Verona 53593	20,242,545.00	132	906
Administration Building	700 North Main St, Verona 53593	2,228,134.00	21	0
Country View Elementary School	710 Lone Pine Way, Verona 53593	16,766,819.00	65	487
CV Softball Field Storage Shed #1	710 Lone Pine Way, Verona 53593	49,057.00	0	0
CV Softball Field Storage Shed #2	710 Lone Pine Way, Verona 53593	49,057.00	0	0
CV Softball Field Candy Shop	710 Lone Pine Way, Verona 53593	16,583.00	Some Staff During Events	
Glacier Edge Elementary School	800 Kimball Lane, Verona 53593	20,309,936.00	80	521

Source: City of Verona



## 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 City of Verona. Table 7 cross-references the hazards with the various tables where exposure or vulnerability specifics are found. The intent of Table 7 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 7 Hazard Vulnerability Specifics**

Hazard	Populations	Structures	Critical Facilities	Future Damage Potential
<b>Dam Failure</b>	None	None	None	Specifics unknown; See hazard profile in County Plan
<b>Drought</b>	Minimal	None	Minimal	Specifics unknown; See hazard profile in County Plan
<b>Flooding</b>	See section below	See section below	See section below	See section below
<b>Fog</b>	Minimal	None	None	Specifics unknown; See hazard profile in County Plan
<b>Hailstorm</b>	Minimal	See Property Exposure table 3	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
<b>Landslide/ Sinkholes/ Erosion</b>	Minimal	Minimal	Minimal	Specifics unknown; See hazard profile in County Plan
<b>Lightning</b>	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
<b>Severe Cold</b>	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
<b>Severe Heat</b>	See Table 2 Population	None	Minimal	Specifics unknown; See hazard profile in County Plan
<b>Severe Winter Storm</b>	See Table 2 Population	See Table 3 Property Exposure	See Critical Facility Inventory Table(s)	Specifics unknown; See hazard profile in County Plan
<b>Tornado</b>	See Table 2 Population	See section below	See Critical Facility Inventory Table(s)	See section below
<b>Wildfire</b>	Minimal	Minimal	Minimal	Specifics unknown; See hazard profile in County Plan
<b>Windstorm</b>	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. Tables 8 and 9 outline the primary structures and properties with

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

**Table 8 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	9	5	11.65	43	37	86.21

Source: Analysis based on Dane County Land Information Office Data

**Table 9 Properties with Primary Structures in the Floodplain**

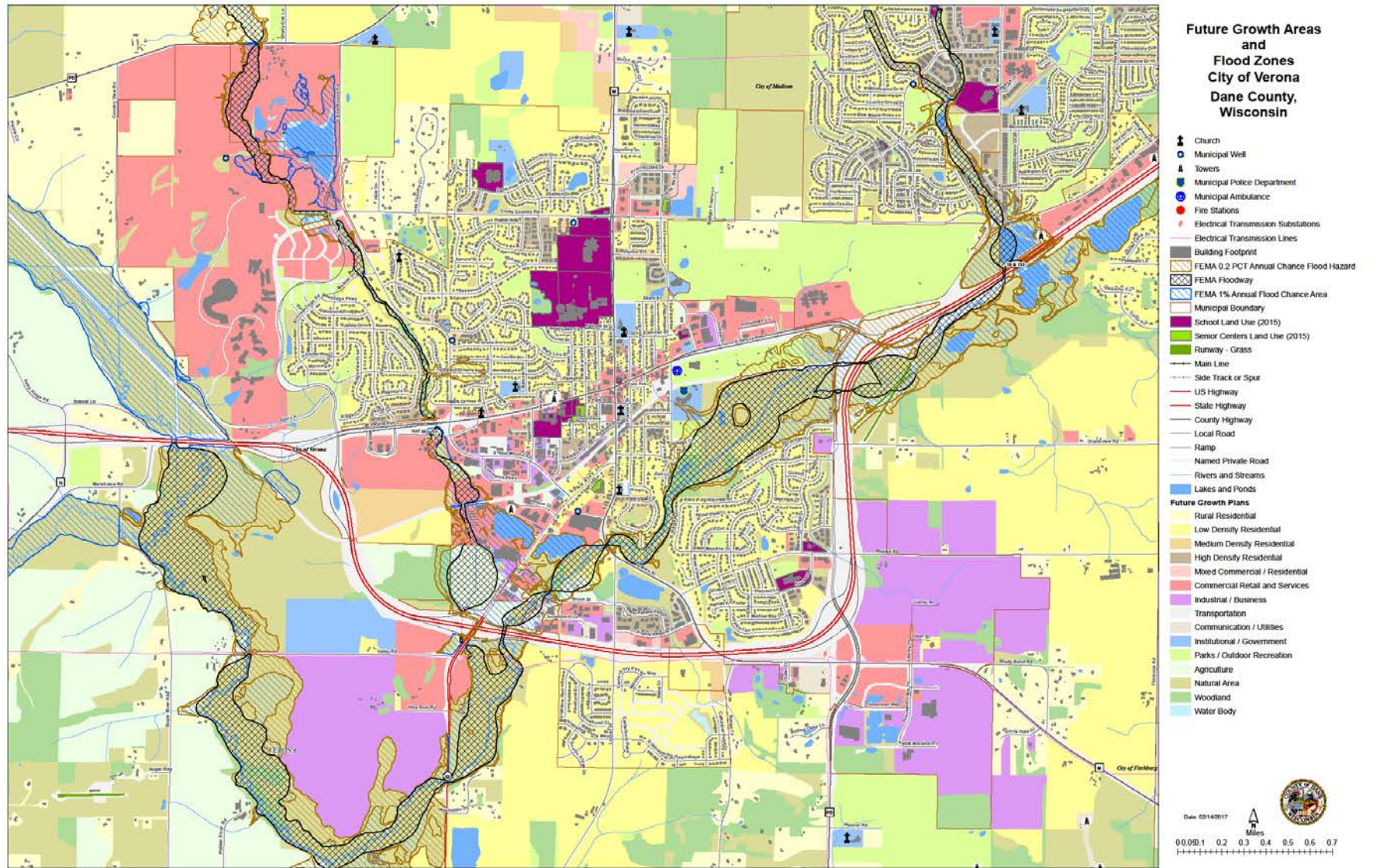
Total Floodway Properties	Floodway Improved Values	Floodway Residential Properties	Total Properties in 100 year Floodplain	Total Improved Value of Properties in 100 year Floodplain	Residential Properties in 100 year Floodplain	Total Properties in 500 year Floodplain	Total Improved Value of Properties in 500 year Floodplain	Residential Properties in 500 year Floodplain
0	\$0	0	9	\$1,325,700	5	43	\$10,251,400	37

Source: Analysis based on Dane County Land Information Office Data

**Repetitive Loss Properties and Flood Insurance Policies**

There are no repetitive loss properties in the City of Verona. According to FEMA Policy and Claim Statistics for Flood Insurance, the community has 14 flood insurance policies, with a total coverage amount of \$5,036,000. There have been no claims listed by FEMA, and thus, no losses paid in flood insurance claims since 1978.

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 10 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
12.00%	4178	501	\$2,433,858,450	\$292,075,353	\$146,037,676.28	\$73,018,838.14	6.0%

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 11 illustrates how the City 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 12, drawn from the Demographics Services Center at the Wisconsin Department of Administration, shows population projections through 2035.

**Table 11 City of Verona Change in Population and Housing Units, 2000-2014/15**

2010 Population	2015 Population	Percent Change (%) 2010-2015	2010 # of Housing Units	2014 # of Housing Units	Percent Change (%) 2010-2014
10619	11871	11.79%	4,461	5,149	15.4%

Data Source: Wisconsin Department of Administration

**Table 12 City of Verona Population Projections, 2015-2035**

Population Change	5 year Growth %	2015	2020	2025	2030	2035
Increase by same percentage each year	2.25%	11,871	13,209	14,698	16,354	18,197

Data Source: Demographic Services Center, Wisconsin Department of Administration

## 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 City of Verona.

## Mitigation Capabilities Summary

Table 13 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 City of Verona.

**Table 13 City of Verona Regulatory Mitigation Capabilities**

Regulatory Tool (ordinances, codes, plans)	Yes/No	Comments
General or Comprehensive plan	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Zoning ordinance	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Subdivision ordinance	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Growth management ordinance	No	
Floodplain ordinance	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Other special purpose ordinance (stormwater, steep slope, wildfire)	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Building code	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Fire department ISO rating	Yes	Rating Level: 4
Erosion or sediment control program	No	
Stormwater management program	Yes	
Site plan review requirements	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Capital improvements plan	Yes	City Website: <a href="http://www.veronawi.gov">www.veronawi.gov</a>
Economic development plan	No	
Local emergency operations plan	Yes	Currently Updating
Other special plans	Yes	Neighborhood Plans
Flood Insurance Study or Other Engineering Study for Streams	No	
Elevation Certificates (for floodplain development)	Yes	With property records

Data Source: City of Verona Data Collection Guide

Table 14 identifies the personnel responsible for mitigation and loss prevention activities as well as related data and systems in the City of Verona.

**Table 14 Responsible Personnel and Departments for the City of Verona**

Personnel Resources	Yes/No	Department/Position	Comments
Planner/engineer with knowledge of land development/land management practices	Yes	Planning Director	Full time Staff
Engineer/professional trained in construction practices related to buildings and/or infrastructure	Yes	Contracted with Aecom	
Planner/engineer/scientist with an understanding of natural hazards	No		
Personnel skilled in GIS	Yes		Part-time Contracted
Full-time Building Official	Yes	Director of Building Inspection and Building Inspector	2 Full-time staff
Floodplain Manager	No		
Emergency Manager	Yes	Police Chief	
GIS Data Resources – (land use, building footprints, etc.)	Yes	Contracts with Ruekert-Mielke	
Warning systems/services (Reverse 9-11, cable override, outdoor warning signals)	Yes		Dane County

Data Source: City of Verona Data Collection Guide

Table 15 identifies financial tools or resources that the City of Verona could potentially use to help fund mitigation activities.

**Table 15 Financial Resources for the City of Verona**

Financial Resources	Accessible/Eligible to Use (Yes/No)	Comments
Community Development Block Grants	Yes	Dane County
Capital improvements project funding	Yes	Annually Approved
Authority to levy taxes for specific purposes	Yes	
Fees for water, sewer, gas, or electric services	Yes	Water, Sanitary, Storm Water Utilities
Impact fees for new development	Yes	Police, Library, Fire, Water, Park, Sewer
Incur debt through general obligation bonds	Yes	
Incur debt through special tax bonds	Yes	

Data Source: City of Verona Data Collection Guide

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## Additional Capabilities

### ***National Flood Insurance Program Participation***

The City of Verona participates in the National Flood Insurance Program. Refer to information provided in Table 16 below.

**Table 16 Floodplain Regulatory Program Status as of January 2016**

<b>Floodplain Ordinance</b>	<b>Dane County FIRM Panels</b>	<b>NFIP Participation</b>	<b>Init FHBM Identified</b>	<b>Init FIRM Identified</b>	<b>Curr Eff Map Date</b>	<b>Reg-Emer Date</b>
Yes	393, 394, 556, 557	Yes	12/7/1973	8/1/1980	9/17/2014	8/1/1980

## Public Involvement Activities

The City 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 Actions

### **Completed Mitigation Actions**

Working with Dane County Emergency Management, the City of Verona has assessed and made upgrades to its storm siren system. This completes Objective #1 from the 2010 Natural Hazard Mitigation Plan.

### **Proposed Mitigation Actions**

Objective 1: Continue to implement sound floodplain management practices through continued compliance with the National Flood Insurance Program, to include floodplain ordinance enforcement and periodic review, promoting the benefits of flood insurance, and continued staff training and development in floodplain management.

#### Steps:

1. Evaluate through the existing staff, County planning staff, and additional DNR staff if necessary, the regulatory deficiencies and enforcement shortcomings in flood-related ordinances and programs (see related County objective);
2. Periodically update ordinances as necessary

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3. Ensure that stop work orders and other means of compliance are being used as authorized by each ordinance;
  4. Suggest changes to improve enforcement of and compliance with regulations and programs;
  5. Encourage floodplain management staff to become Certified Floodplain Managers (CFM) or maintain their CFM status.
  6. Participate in Flood Insurance Rate Map updates by adopting new maps or amendments to maps
  7. Utilize recently completed Digital Flood Insurance Rate maps in conjunction with GIS to improve floodplain management, such as improved risk assessment and tracking of floodplain permits.
  8. Promote and disperse information on the benefits of flood insurance, with assistance from partners such as the County, WDNR, or ASFPM.
  9. Evaluate the potential costs and benefits of becoming a participant in the Community Rating System.

Lead Implementing Agency: Local zoning department

Supporting Agencies:

- Dane County Planning and Development
- Lakes and Watershed Commission
- Land Conservation Department
- Association of State Floodplain Managers
- Wisconsin Department of Natural Resources

Possible Funding and Technical Assistance:

Staff Time

Timeline: On going

Priority: High

Estimated Costs: Low; can be accomplished with existing staff and within existing department budget.

Note: This is perpetual goal that the City must consider as it continues to grow.