Introduction

Part II of the Dodge County All-Hazards Mitigation Plan provides political, geographical and demographic information on Dodge County. This collection of data must be referenced in order to determine sound hazard mitigation strategies. The resulting information is an important element of the planning process since sound alternative plans cannot be formulated and evaluated without an in-depth knowledge of the relevant condition in the study area.

General Geography

Location

Dodge County is located in the south central region of Wisconsin (Map 1) and shares its boundaries with seven (7) counties: Columbia, Green Lake, Fond du Lac, Washington, Waukesha, Jefferson and Dane. The largest urban area is the City of Beaver Dam and the smallest urban area is the City of Juneau. Dodge County is divided into 24 townships, 11 villages and 9 cities, 4 of which border adjacent counties. Dodge County is approximately 30 minutes northeast of Madison, 45 minutes northwest of Milwaukee, 2 hours south of Green Bay, 2 hours north of Chicago and approximately 5 hours southeast of the Twin Cities.

Civil Divisions

There are 44 municipalities (24 towns, 11 villages and 9 cities) in Dodge County and the planning area. These units of government provide the basic structure of the decision-making framework. Dodge County encompasses 906 square miles with four significant waterways in the County: Rock River, Beaver Dam Lake, Fox Lake and Lake Sinissippi. The area and proportion of the County within each civil division are presented in Table 1.

Table 1	**Geographical Size by Civil Division**			
	Area in Square Miles			
Municipality	**Water Area**	**Land Area**	**Total Area**	**Area as % of County**
City of Beaver Dam	1.33	5.22	6.55	0.72%
City of Columbus (part)	0.00	0.04	0.04	0.01%
City of Fox Lake	0.10	1.40	1.50	0.17%
City of Hartford (part)	0.00	0.52	0.52	0.06%
City of Horicon	0.03	3.35	3.38	0.37%
City of Juneau	0.01	1.55	1.56	0.17%
City of Mayville	0.00	3.11	3.11	0.34%
City of Watertown (part)	0.15	3.91	4.06	0.45%
City of Waupun (part)	0.00	2.24	2.24	0.25%
Village of Brownsville	0.00	0.38	0.38	0.04%
Village of Clyman	0.00	0.24	0.24	0.03%
Village of Hustisford	0.16	0.80	0.96	0.11%
Village of Iron Ridge	0.00	0.71	0.71	0.08%
Village of Kekoskee	0.00	0.23	0.23	0.03%
Village of Lomira	0.00	1.94	1.94	0.21%
Village of Lowell	0.03	0.99	1.02	0.11%
Village of Neosho	0.03	0.59	0.62	0.07%
Village of Randolph (part)	0.00	0.82	0.82	0.09%
Village of Reeseville	0.00	0.60	0.60	0.07%
Village of Theresa	0.02	0.74	0.76	0.08%
Town of Ashippun	.08	35.64	35.72	3.94%

Town of Beaver Dam	2.76	34.26	37.02	4.08%
Town of Burnett	0.26	36.19	36.45	4.02%
Town of Calamus	0.46	36.08	36.54	4.03%
Town of Chester	1.21	33.19	34.40	3.79%
Town of Clyman	0.02	35.39	35.41	3.91%
Town of Elba	0.04	35.43	35.47	3.92%
Town of Emmet	0.00	31.73	31.73	3.50%
Town of Fox Lake	5.95	32.25	38.20	4.21%
Town of Herman	0.00	36.40	36.40	4.02%
Town of Hubbard	1.65	31.72	33.37	3.68%
Town of Hustisford	1.19	33.73	34.92	3.85%
Town of Lebanon	0.19	35.81	36.00	3.97%
Town of Leroy	0.82	36.55	37.37	4.12%
Town of Lomira	0.00	34.37	34.37	3.79%
Town of Lowell	0.44	51.44	51.88	5.72%
Town of Oak Grove	0.11	34.09	34.20	3.77%
Town of Portland	0.35	35.32	35.67	3.93%
Town of Rubicon	0.41	34.53	34.94	3.85%
Town of Shields	0.44	26.50	26.94	2.97%
Town of Theresa	0.47	35.15	35.62	3.93%
Town of Trenton	0.52	53.86	54.38	6.00%
Town of Westford	4.63	30.16	34.79	3.84%
Town of Williamstown	0.67	32.89	33.56	3.70%
Dodge County	**24.53**	**882.06**	**906.59**	**100%**

Source: U.S. Bureau of Census

Demographic and Economic Profile

Population and Households

The most recent population estimate by the US Census Bureau is for 2003 estimates a population of 87,115 for the County. The 2000 Census reported a population base of 85,897 people. This figure represents about 2 percent of the State's population. Approximately 48 percent of the population is urban residents and 52 percent are rural. Since 1990, the population of Dodge County has increased by 10.9 percent or by 10,556 people. That rate of increase in population was faster than many other areas of the state. If the growth rate continued at this same level, there will be approximately 95,234 people in Dodge County in 2010 and 105,614 people in 2020. Table 2 reflects the population of counties adjacent to Dodge County.

Table 2	**Population of Adjacent Counties**			
County	**1990**	**2000**	**No. Change**	**% Change**
Columbia	45,088	52,468	7,380	14.0%
Dane	367,085	426,526	59,441	13.2%
Fond du Lac	90,083	97,296	7,213	7.4%
Green Lake	18,651	19,105	454	2.4%
Jefferson	67,783	74,021	6238	8.4%
Washington	95,328	117,493	22,165	18.9%
Waukesha	304,715	360,767	56,052	15.5%

Source: U.S. Bureau of Census

Population concentrations and trends are important when prioritizing hazard mitigation strategies. The City of Beaver Dam is the most densely populated and developed area in the County. Other areas of population include the City of Mayville and parts of the cities of Watertown and Waupun. Map 2 (Land Use) shows the areas of population concentrations in the County.

Between 1990 and 2000, most communities within Dodge County have experienced and increase in their population base (refer to Table 3). The greatest amount of growth occurred in the Village of Theresa with a 38.4 percent increase between 1990 and 2000.

Table 3	**Population and Household Size of Civil Divisions**					
Minor Civil Division	**1990 Population**	**1990 Households**	**2000 Population**	**2000 Households**	**% '90-'00 Population**	**% '90-'00 Households**
City of Beaver Dam	14,196	5,997	15,169	6,685	6.4%	10.3%
City of Columbus (part)	10	5	36	13	72.2%	61.5%
City of Fox Lake	1,269	549	1,454	695	12.7%	21.0%
City of Hartford (part)	9	4	10	3	10.0%	-33.3%
City of Horicon	3,873	1,478	3,775	1,584	-2.6%	6.7%
City of Juneau	2,157	699	2,485	863	13.2%	19.0%
City of Mayville	4,374	1,690	4,902	2,081	10.8%	18.8%
City of Watertown (part)	6,754	2,459	8,063	3,169	16.2%	22.4%
City of Waupun (part)	5,490	1,771	7,436	2,121	26.2%	16.5%
Village of Brownsville	415	158	570	213	27.2%	25.8%
Village of Clyman	370	146	388	163	4.6%	10.4%
Village of Hustisford	979	386	1,135	498	13.7%	22.5%
Village of Iron Ridge	887	317	998	383	11.1%	17.2%
Village of Kekoskee	188	68	169	66	-11.2%	-3.0%
Village of Lomira	1,542	563	2,233	899	30.9%	37.4%
Village of Lowell	300	122	366	153	18.0%	20.3%
Village of Neosho	658	226	593	223	-11.0%	-1.3%
Village of Randolph (part)	1,227	484	1,346	539	8.8%	10.2%
Village of Reeseville	673	267	703	315	4.3%	15.2%
Village of Theresa	771	291	1,252	528	38.4%	44.9%
Town of Ashippun	1,783	622	2,308	880	22.7%	29.3%
Town of Beaver Dam	3,097	1,231	3,440	1,375	10.0%	10.5%
Town of Burnett	915	333	919	353	0.4%	5.7%
Town of Calamus	1,009	370	1,005	396	-0.4%	6.6%
Town of Chester	1,393	306	960	291	-45.1%	-5.2%
Town of Clyman	742	243	849	309	12.6%	21.4%
Town of Elba	964	338	1,086	397	11.2%	14.9%
Town of Emmet	1,014	329	1,221	427	17.0%	23.0%
Town of Fox Lake	1,938	876	2,402	897	19.3%	2.3%
Town of Herman	1,127	352	1,207	401	6.6%	12.2%
Town of Hubbard	1,390	662	1,643	745	15.4%	11.1%
Town of Hustisford	1,209	457	1,379	546	12.3%	16.3%
Town of Lebanon	1,630	562	1,664	631	2.0%	10.9%
Town of Leroy	1,025	347	1,116	396	8.2%	12.4%

Town of Lomira	1,280	428	1,228	430	-4.2%	0.5%
Town of Lowell	1,146	426	1,169	456	2.0%	6.6%
Town of Oak Grove	1,200	468	1,126	448	-6.6%	-4.5%
Town of Portland	994	371	1,106	421	10.1%	11.9%
Town of Rubicon	1,709	534	2,005	680	14.8%	21.5%
Town of Shields	500	179	554	203	9.7%	11.8%
Town of Theresa	1,083	336	1,080	374	-0.3%	10.2%
Town of Trenton	1,299	427	1,301	471	0.2%	9.3%
Town of Westford	1,248	606	1,400	709	10.9%	14.5%
Town of Williamstown	722	237	646	242	-11.8%	2.1%
Dodge County	**76,559**	**28,720**	**85,897**	**33,672**	**10.9%**	**14.7%**

Source: U.S. Bureau of Census

Employment

Employment throughout Dodge County is diverse, demonstrating the skills of a motivated workforce. Dodge County's ten largest industry groups provide roughly 54 percent of the jobs in the county. Fabricated metal product manufacturing is the principal area of employment in Dodge County. This is followed by machinery manufacturing, food manufacturing and educational services.

Identifying locations of large employers is important when prioritizing hazard mitigation strategies. Table 4 represents the top ten employers in Dodge County and their locations.

Table 4	**Top Employers in Dodge County**		
Company	**Product or Service**	**Size**	**Location**
Quad/Graphics, Inc.	Manufacturing	2,804	T - Lomira
Department of Corrections	Correctional Institutions	460 575 375	C – Waupun(Madison) C – Waupun(Lincoln) C – Fox Lake
County of Dodge	Government	1,084	C - Juneau
Beaver Dam Community Hospitals	Health Care	861	C – Beaver Dam
Deere & Co	Manufacturing	1,404	C - Horicon
Watertown Memorial Hospital	Health Care	730	C - Watertown
Michaels Corporation	Construction	2,000	V - Brownsville
Metalcraft of Mayville	Manufacturing	610	C - Mayville
Seneca Foods	Manufacturing	n/a 313	V – Clyman C - Mayville
Grande Cheese	Manufacturing	225	V - Brownsville

Land Values

The value of the real estate and personal property in a community reflects the upper end of the potential for property damages in each community. The annual equalized value of each municipality represents the Department of Revenue estimate of market value (agricultural land is included at use value) of all taxable property. Property tax levies of jurisdictions are apportioned to each municipality on the basis of equalized value. Table 5 lists each municipality's total equalized values for real estate, personal property, and all property and the percent each municipality represents of the county's total.

Table 5	Equalized by Civil Division			
District	**Real Estate**	**Personal Property**	**Total**	**% of Total**
City of Beaver Dam	$782,281,700	$31,377,900	$813,659,600	16.9%
City of Fox Lake	$70,180,700	$1,515,100	$71,695,800	1.5%
City of Hartford (part)	$33,945,400	$3,342,000	$37,287,400	0.8%
City of Horicon	$184,943,700	$14,380,700	$199,324,400	4.1%
City of Juneau	$90,859,700	$2,975,200	$93,834,900	2.0%
City of Mayville	$280,577,000	$8,854,400	$289,431,400	6.0%
City of Watertown (part)	$392,024,100	$4,693,400	$396,717,500	8.3%
City of Waupun (part)	$176,598,100	$4,821,000	$181,419,100	3.8%
Village of Brownsville	$35,748,300	$8,596,700	$44,345,000	0.9%
Village of Clyman	$16,321,600	$384,900	$16,706,500	0.3%
Village of Hustisford	$58,402,300	$1,397,500	$59,799,800	1.2%
Village of Iron Ridge	$40,433,400	$946,300	$41,379,700	0.9%
Village of Kekoskee	$9,301,400	$50,200	$9,351,600	0.2%
Village of Lomira	$117,043,200	$4,245,700	$121,288,900	2.5%
Village of Lowell	$10,282,600	$125,300	$10,407,900	0.2%
Village of Neosho	$30,419,000	$295,400	$30,714,400	0.6%
Village of Randolph (part)	$58,169,400	$1,611,700	$59,781,100	1.2%
Village of Reeseville	$25,997,500	$387,400	$26,384,900	0.5%
Village of Theresa	$46,218,600	$460,700	$46,679,300	1.0%
Town of Ashippun	$195,875,200	$834,000	$196,709,200	4.1%
Town of Beaver Dam	$229,366,200	$8,065,900	$237,432,100	4.9%
Town of Burnett	$57,262,700	$348,600	$57,611,300	1.2%
Town of Calamus	$58,987,200	$474,800	$59,462,000	1.2%
Town of Chester	$37,182,700	$1,247,900	$38,430,600	0.8%
Town of Clyman	$51,959,700	$307,600	$52,267,300	1.1%
Town of Elba	$74,190,500	$1,309,600	$75,500,100	1.6%
Town of Emmet	$82,066,300	$1,643,500	$83,709,800	1.7%
Town of Fox Lake	$152,391,800	$320,000	$152,711,800	3.2%
Town of Herman	$74,947,400	$419,200	$75,366,600	1.6%
Town of Hubbard	$136,663,800	$1,428,800	$138,092,600	2.9%
Town of Hustisford	$107,921,800	$993,900	$108,915,700	2.3%
Town of Lebanon	$97,154,900	$311,700	$97,466,600	2.0%
Town of Leroy	$61,667,300	$1,548,700	$63,216,000	1.3%
Town of Lomira	$91,510,800	$5,295,400	$96,806,200	2.0%
Town of Lowell	$71,603,600	$1,197,600	$72,801,200	1.5%
Town of Oak Grove	$74,874,700	$1,543,000	$76,417,700	1.6%
Town of Portland	$69,518,400	$1,430,500	$70,948,900	1.5%
Town of Rubicon	$155,501,400	$756,400	$156,257,800	3.3%
Town of Shields	$35,246,200	$330,800	$35,577,000	0.7%
Town of Theresa	$70,315,000	$1,216,600	$71,531,600	1.5%
Town of Trenton	$76,040,900	$2,832,200	$78,873,100	1.6%
Town of Westford	$105,091,700	$444,700	$105,536,400	2.2%
Town of Williamstown	$50,530,800	$3,065,500	$53,596,300	1.1%
Dodge County	**$4,677,618,700**	**$127,828,400**	**$4,805,447,100**	**100.0%**

Source: Department of Revenue (2004 equalized Value Figures)

Land Use/Land Cover and Development Patterns

Land use is an important determinant in the potential impact a particular hazard may have, and the actions which may be taken to mitigate the hazard impacts. An understanding of the amount, type, and spatial distribution of urban and rural land uses within the County is an important consideration in the development of a sound hazard mitigation plan.

The Dodge County Planning and Development Department has categorized land use in Dodge County into fourteen classifications. Map 2 shows the general land use and surface water in Dodge County. Table 6 shows the acreage and percentage for land use designations of each classification.

Table 6	**Land Use in Dodge County**	
Description	**Acres**	**Percent**
Single Family Residential	9,410.99	1.35%
Two Family Residential	85.28	0.01%
Multi-Family Residential	33.72	0.00%
Mobile Home Parks	69.78	0.01%
Commercial	648.28	0.09%
Industrial & Quarries	2,887.86	0.41%
Public & Quasi-Public	1,607.49	0.23%
Railroad & Highway Right-of-Way	19,007.67	2.72%
Parks & Recreation	4,661.16	0.67%
Communication & Utilities	118.73	0.02%
Agricultural & Other Resource Land	501,161.43	71.64%
Woodlands	32,925.52	4.71%
Wetlands	107,276.36	15.33%
Hydrography	19,641.30	2.81%
Total	**699,535.57**	**100%**

Source: Dodge County Land Information

Agriculture

The dominant land use in Dodge County is agriculture. Agricultural land in the County covers approximately seventy percent of the County's land area. The main agricultural practices in the County are cash crop and dairy farming. Agricultural land is scattered throughout the county. According to the Wisconsin Agricultural Statistic Service (2002), Dodge County has approximately 404,054 acres of farmland.

Residential Development

Land in residential development makes up approximately two percent of the total county area. Residential concentrations are scattered throughout the county. Much of the scattered rural development is related to direct recreational demand as various types of housing have clustered along streams and lakes.

There are a number of mobile home parks in the county. According to the U.S. Census, there were 1,567 mobile homes in 2000. This is significant due to their vulnerability in natural hazards, especially tornadoes. Map 14 displays the mobile home concentrations within the county.

Commercial and Industrial Development
Commercial and industrial development makes up about 0.54 percent of the total area of the County. Land use for commercial and industrial development is also scattered throughout the County. The largest commercial and industrial area in the County is located in the Beaver Dam area.

Transportation
The transportation system of Dodge County provides the basis for movement of goods and people into, out of, through, and within the County. An efficient transportation system is essential to the sound social and economic development of the County and region. The analysis of transportation routes should be considered in the possible event of the major accidents or spills of hazardous materials, accounting for as much as 94 percent of all hazardous material shipments nationwide according to USDOT.

Highways link Dodge County with some of Wisconsin's major cities, including: Portage, Madison, Milwaukee and Green Bay. They are arteries which feed Dodge County's workforce, visitors, goods, and resources. Map 3 shows the Dodge County transportation system. The County is served by thirteen State highways (49, 68, 33, 73, 16, 60, 26, 89, 19, 28, 67, 175, and 115) which encompass approximately 250 miles. The main State highways divide the county into sectors. Highway 49 runs east to west, along the Dodge/Fond du Lac County border. Highway 19 also runs east to west along the Dodge/Jefferson County border. Highway 33 runs east to west dividing the county into northern and southern regions. Highway 60 also runs east to west dividing the southern region of the County once again. Highway 26 runs north to south dividing the county into eastern and western regions. Highway 67 also runs north to south further dividing the eastern portion of the county. Two US Highways (151 and 41) serve the county. US Highway 151 runs diagonally through the western portion of the county. US Highway 41 runs north and south through the eastern portion of the township of Lomira. The County also maintains and additional 550 miles of county highways. In addition to the State and County highway system, there are approximately 1,800 miles of local roads. All this encompasses a total of 2,600 miles of road network.

Four railroads serve Dodge County. Although trucks transport most of the hazardous materials in the State and U.S., rail can carry significantly larger and various loads. The Wisconsin Southern Railroad runs diagonally through the county coming out of the City of Hartford and runs northwest to the City of Waupun with two spurs dividing in the Village of Iron Ridge going north to the City of Mayville and another dividing in the City of Horicon going west to the City of Beaver Dam. The Union Pacific Railway also runs diagonally across the county from the southern portion of the township of Clyman northwest to the Village of Randolph. The Canadian Pacific Rail System runs westerly from the southeast portion of the township of Lowell to the City of Columbus. Another small railway, Central Ltd. which is now owned by Canadian National, runs north to south (parallel to State Highway 67/175) in the township of Lomira. An abandoned railway, which has been converted into a recreation trail, runs north to south parallel to State Highway 26 and starts at the State Highway 60 access point and continues on across the Dodge/Fond du Lac County border.

The County contains only one airport, Dodge County Airport, which is centrally located north of the City of Juneau and serves the entire county. The airport has two runways, is lighted and equipped for instrumental landing.

Surface Water

Dodge County has a total surface area of approximately 559,461 acres, however, 126,917 acres (22.68%) is comprised of surface water (see Map 4). The majority of this area is comprised of twelve named lakes and 1,500 unnamed waterbodies (stream segments, retention ponds, portions of the Horicon Marsh, etc.) totaling 13,449 acres and 2,087.5 acres, respectively. The largest natural lake is Fox Lake at 2,800 acres and the largest artificial water body is Beaver Dam Lake at 6,847 acres. The deepest lake is Collins Lake, which measures approximately 20 feet at its deepest point. The County contains approximately 405.6 miles or 147.5 acres of streams approximately 3' wide.

Dodge County contains thirteen watersheds located throughout the County. Map 4 represents the watershed boundaries. The watersheds are as follows:

- Lower Grand River
- Upper Rock River
- East Branch Rock River
- Upper Crawfish River
- Calamus Creek
- Beaver Dam River
- Lower Crawfish River
- Maunesha River
- Middle Rock River
- Sinissippi Lake
- Rubicon River
- Ashippun River
- Oconomowoc River

Floodplain

The primary value of floodplains is their role in natural flood control. Floodplains represent areas where excess water can be accommodated whether through drainage by streams or through storage by watersheds and other natural detention/retention areas. Specific areas that will be inundated will depend upon the amount of water, the distance and speed that water travels, and the topography of the area. If uninterrupted by development, the areas shown on a map as floodplains should be able to handle the severest (regional) flood (i.e. those that have a probability of occurring once every 100 years).

There is a value in preserving and protecting these natural flood control areas from encroachment. First, by preventing development in the floodplain, the cost of building dikes, levies, or other man-made flood control devices will be saved. Second, for each structure that is constructed in a flood prone area, that flood prone area expands, potentially subjecting other structures originally built outside the delineated flood hazard area to the risk of flooding. Each new structure (or modification to existing buildings) placed in the floodplain puts more life and property in danger.

Counties, cities and villages are required to adopt reasonable and effective floodplain zoning ordinances. The requirement is found in Section 87.30 of the Wisconsin Statutes and Chapter NR 116 of the Wisconsin Administrative Code. Floodplain zoning is designed to protect individuals, private property and public investments from flood damage.

Floodplain zoning maps identify areas where major floods occur. Regulations prohibit development in the floodway, the most dangerous flood area. In other flood areas, the flood fringe, development that is built above flood levels and otherwise flood-protected is allowed if it is in accordance with local ordinances. For regulatory purposes, a floodplain is generally defined as land where there is a one percent chance of flooding in any year (also known as the 100-year floodplain).

In order to participate in the Federal Emergency Management Agency's (FEMA) National Flood Insurance Program, the County and its cities and villages have completed a Flood Insurance Study and a Flood Insurance Rate Map (FIRM) that encompasses Dodge County. This FIRM delineates the "A" Zones including the floodway and flood fringe which are those areas inundated by the 100-year flood within the County. Map 4 shows the approximate floodplains in Dodge County. Floodplains in Dodge County are small and floods occur only during periods of exceptionally heavy rainfall.

Wetlands

Wetlands perform many indispensable roles in the proper function of the hydrologic cycle and local ecological systems. In terms of hazard mitigation, they act as water storage devices in times of high water. Like sponges, wetlands are able to absorb excess water and release it back into the watershed slowly, preventing flooding and minimizing flood damage. As more impermeable surfaces are developed, this excess capacity for water runoff storage becomes increasingly important.

The DNR has also identified the location of wetlands on their WISCLAND database. According to this, Dodge County has 126,917 acres, or 18.15 percent of its total area. Map 4 shows these wetland areas in Dodge County. There are concentrations of wetlands in Dodge County including the Horicon Marsh State Wildlife Area, Theresa Marsh, Waterloo Wildlife Area, Mud Lake, Rock River, Crawfish River, Beaver Dam Lake, Fox Lake, Lake Sinissippi, Lake Emily and Neosho Pond. Additional wetlands are associated with the floodplains discussed above, however, smaller wetlands are scattered throughout the County.

Eradication of wetlands can occur through the use of fill material. This can destroy the hydrological function of the site and open the area to improper development. The Wisconsin Department of Natural Resources (DNR) has promulgated minimum standards for managing wetlands.

Utilities

Utility systems are important in hazard mitigation planning because of the dependency on water, wastewater treatment, gas service, electricity and communications. Because of this reliance and vulnerability to hazards, utility systems must be identified for this Plan.

The protection of the public water supply facilities from potential contamination from hazards, such as flooding, is a consideration for hazard mitigation planning. Dodge County has 21 municipalities that manage water and waste water services through a public system. The City of Beaver Dam is the largest system located in the County. Other systems include Randolph, Fox Lake, Waupun, Juneau, Clyman, Reeseville, Lowell, Horicon, Mayville, Hustisford, Leroy, Knowles, Brownsville, Lomira, Theresa, Iron Ridge, Neosho, Ashippun and Burnett.

The protection of the wastewater facilities is an important consideration for hazard mitigation planning because of its potential to contaminate nearby waterbodies in the event of high water.

Also of concern during periods of flooding is the threat of damage to infrastructure of associate facilities.

Koch Pipeline Company provides a pipeline to move petroleum through the County. The pipeline runs northwest and is located in the southwest area of the County.

The infrastructure of electric and telephone lines should be considered in the events of high winds, ice storms, tornadoes, flooding, and fire. Maps 10 through 13 show those provider service areas.

Five electric/gas providers: Alliant Energy, Wisconsin Electric Power Company, Adams-Columbia Rural Electric, Juneau Utilities and Hustisford Utilities service Dodge County. Alliant Energy is the largest gas service provider, while Wisconsin Electric Power Company is the largest electric supplier. See Maps 11 and 12.

Seven telephone providers: Ameritech/SBC, GTE/Verizon, Dodge County Cable, CenturyTel, Riverside Telecommunications, TDS Metrocom and Charter Communications service the county. Ameritech/SBC is the largest supplier. See Map 13.

Emergency Services and Facilities

The type and location of public emergency services are an important consideration in hazard mitigation planning, because of the potential direct involvement of such facilities in certain hazard situations. The location of fire stations, police departments and ambulance services in Dodge County are shown on Maps 5 through 7.

There are 28 fire stations that serve the local units of government in Dodge County. The Beaver Dam Fire Department provides a full-time fire chief, while the remainder of the departments rely on volunteers for this service. The location of each of the fire stations and fire service areas are on Map 5.

There are 20 ambulance service providers to the County. The locations of ambulance service areas are on Map 6.

The Dodge County Sheriff's Department provides law enforcement service to all municipalities. The County has 3 road sergeants, 7 investigators, 28 full-time officers, 12 part-time officers, and 12 dispatchers. The city of Beaver Dam has a full-time dispatch center, while the cities of Horicon and Mayville provide only part-time dispatch services. The County provides dispatch to the cities of Horicon, Mayville, Fox Lake and Juneau; the villages of Lomira, Theresa, Hustisford, Lowell Randolph and Reeseville; and the townships of Ashippun, Beaver Dam, Emmet, Fox Lake, Hustisford, Lebanon, Neosho, Rubicon and Shields. The locations of police service areas are on Map 7.

To coordinate these services, Dodge County has created an Emergency Operations Plan (EOP), updated in 2005. This provides a general overview for county and municipal emergency response personnel during response to a number of disasters. This document serves to coordinate the County and local units of government during times of response and recovery. It also provides a link between the County and municipal plans.

Critical Community Facilities

In addition to emergency service facilities, other community faculties that are of importance in hazard mitigation planning including schools, hospitals, nursing homes, and government administration buildings. Maps 8 and 9 shows the location of selected types of critical community facilities within Dodge County.

Table 7 lists critical community facilities that were identified by the municipalities.

Table 7	**Critical Community Facilities Identified by Municipalities**	
Municipality	**Description**	**Location**
City of Beaver Dam	City Hall – Police Station - Fire Department - EMS	205 South Lincoln Avenue
	Hospital	707 South University Avenue
	High School	500 Gould Street
	Middle School	108 Fourth Street
	Charter School	400 East Burnett Street
	Jefferson Elementary	301 Brook Street
	Lincoln Elementary	210 Gould Street
	Prairie View Elementary	510 North Crystal Lake Road
	St. Patrick's	117 West Maple Avenue
	St. Peter's	503 South Spring Street
	St. Stephen's	412 West Maple Avenue
	Washington Elementary	600 Grove Street
	Wayland Academy	101 North University Avenue
	Wilson Elementary	310 West Street
	Beaver Dam Care Center	410 Roedl Court
	Hillside Manor	803 South University Avenue
	Library	311 North Spring Street
	Senior Center	114 East Third Street
City of Fox Lake	Municipal Building – Police Station – Fire Station	248 East State Street
	Library	117 West State Street
	Fox Lake Elementary	200 Depot Street
	St. John's Elementary	110 Edgelawn Drive
	Victorian Villa	205 ½ West State Street
	Swimming Pool	402 East State Street
City of Horicon	Fire Department - EMS	220 Ellison Street
	High School	841 Gray Street
	Van Brundt Elementary - Middle School	611 Mill Street
	St. Stephen's	505 North Palmatory Street
	City Hall	404 East Lake Street
City of Juneau	City Hall	150 Miller Street
	Public Safety	128 East Cross Street
	County Administration Building	127 East Oak Street
	Jail Facility	216 West Center Street
	Justice Facility	210 West Center Street

	Sheriff's Department	141 North Main Street
	County Annex Building	143 East Center Street
	County Highway Department	211 East Center Street
	Library	250 North Fairfield
	Clearview Nursing Home	198-199 Home Road
	Dodge County Airport	451 West North Street
	Community Center	500 Lincoln Avenue
	Farm Service Agency	451 West North Street
	Dodgeland School	401 Western Avenue
	St. John's	402 South Main Street
City of Mayville	Fire Department	522 Horicon Street
	EMS	102 Mill Place
	Immanuel	N8076 County Road AY
	High School	500 North Clark Street
	Middle School	445 North Henninger Street
	Parkview Elementary	259 Oak Street
	St. John's	520 Bridge Street
	St. Mary's	28 Naber Street
	Mayville Nursing & Rehab. Center	305 South Clark
	Mossflower Harbour	616 North Main Street
	City Hall	15 South School Road
	Library	111 North Main Street
City of Watertown (part)	Hospital	125 Hospital Drive
City of Waupun (part)	Hospital	620 West Brown Street
	City Hall	201 East Main Street
	Washington Elementary	101 Young Street
	Jefferson Elementary	601 Grandview Avenue
	High School	801 East Lincoln Street
	Prairie Ridge Assisted Living	819 Wilcox Street
	WI Christian Elementary	520 McKinley Street
	WI Christian High School	301 Fox Lake Road
	Christian Living Center	331 Bly Street
	Christian Homestead	1000 West Brown Street
	Daybreak Inc.	631 South Madison Street
	Christian Home	331 Bly Street
	Waupun Nursery	114 South Forest Street
	Wee Care Daycare	1 West Brown Street
Village of Brownsville	Village Hall/Police Station	514 Railroad Street
	Fire Station	515 Clark Street
	St. Paul's School	605 Highland Avenue
	Community Center	871 Main Street
	Library	379 Main Street
	Post Office	860 Main Street
Village of Clyman	Village Hall	713 Morgan Street
	Fire Department/EMS	735 Main Street
Village of Hustisford	Fire Department - EMS	266 South Lake Street
	Police Station – Village Hall	210 South Lake Street
	Bethany	280 North Ridge Road

	John Hustis Elementary	600 South Hustis Street
	High School	845 South Lake Street
	Library	210 South Lake Street
Village of Iron Ridge	Village Hall/Library Community Center/ /Police Station	205 Park Street
	Fire Station	110 West Pleasant Street
	St. Matthew's	308 Herman
Village of Kekoskee	Village Hall	21 Valley Street
	St. Peter's School	23 Main Street
	Fire Station - EMS	W3257 County Road TW
Village of Lomira	Village Hall - Fire Department – Police Station - EMS	549 Church Street
	Lomira	1030 Fourth Street
	Consolidated	705 Milwaukee Street
	St. John's	550 South Water Street
	Hope Health & Rehab. Center	438 Ashford Avenue
	Library	1038 Main Street
Village of Lowell	Fire Department - EMS	100 North River Street
Village of Neosho	Police Station - Fire Department - EMS	126 South Schuyler Street
	Victory Christian	112 Hale Road
	Village Hall	210 South Schuyler Street
	Neosho	201 Center Street
Village of Randolph (part)	High School	110 Meadowood Drive
	Library	228 North High Street
	Faith Christian School	611 North Columbus Street
	Precious Angels Daycare	269 Center Street
	Continental Manor	502 South High Street
	Golden Years Assisted Living	131-137 Ellis Drive
	Greenview Assisted Living	388 Holland Drive
Village of Reeseville	Village Hall - Fire Station	206 South Main Street
	Police Station/EMS	214 Fire House Drive
	Fire Station	
Village of Theresa	Village Hall/Police Station	202 South Milwaukee Street
	Fire Station/EMS	302 Depot Road
	Theresa Elementary	422 South Milwaukee Street
	St. Theresa School	105 Wisconsin Street
	St. Peter's School	109 E. Bonpoel Street
	Consolidated Catholic	105 Rock River Street
	Library	290 Mayville Street
Town of Ashippun	Fire Department	W2664 Oak Street
	EMS	413 Railroad Street
Town of Beaver Dam	Town Hall	W8540 County Road W
Town of Burnett	Town Hall - Fire Department - EMS	W6228 West Main Street
Town of Calamus	South Beaver Dam Elementary	W9787 County Road D
Town of Chester	Town Hall	W6498 Oakwood Road

Town of Clyman	Town Hall	735 Main Street
Town of Elba	Town Hall	N3799 County Road T
Town of Emmet	Town Hall	N1690 State Road 16/16
Town of Fox Lake	Town Hall	W10543 County Road F
Town of Herman	Herman Elementary	N6409 County Road P
Town of Hubbard	Town Hall	W2864 Neda Road
Town of Hustisford	N3906 County Road EE	
Town of Lebanon	Fire Department	N1738 County Road R
	EMS	N1814 County Road R
	Lebanon	W4712 County Road R
	Immanuel	N534 County Road R
	St. Peter's	W4666 County Road MM
Town of Leroy	Town Hall	N10725 County Road YY
Town of Lomira	Town Hall	N10479 County Road AY
Town of Lowell	Town Hall	W8906 O'Sixteen Road
Town of Oak Grove	Town Hall	N5801 South Grove Road
Town of Portland	Town Hall	W11720 Taylor Street
Town of Rubicon	Saylesville Consolidated	N3501 County Road P
Town of Theresa	Town Hall	N8679 County Road P
Town of Trenton	Trenton Elementary	N8954 County Road W
Town of Westford	Town Hall	W11101 County Road G
Town of Williamstown	Town Hall	W3285 County Road TW