



CHAPTER 5

INVENTORY OF EXISTING UTILITIES AND COMMUNITY FACILITIES

Development in the City of Kenosha is supported by private and public utilities that provide residents and businesses with electric power, natural gas, communication, water, sewage disposal, and solid waste management facilities and services, and community facilities that provide educational, recreational, administrative, and other services. This chapter inventories utilities and community facilities in 2007.

PART 1: UTILITIES

Sewage Disposal

Sewer Service Areas

Map 5-1, page 2, shows adopted sanitary sewer service areas in Kenosha County as of June 2007¹. About 74,070 acres, or 42 percent of the County, were within adopted sanitary sewer service areas at that time, which included all of the City of Kenosha. Although the Greater Kenosha sewer service area includes a small portion of the Town of Paris, the Paris Town Board did not adopt the sewer service area plan, and does not support the inclusion of lands in the Town in the sewer service area.

The planned sewer service areas shown on Map 5-1, page 2, are anticipated to be served by sanitary sewers by 2020. Not all of the areas within a planned sewer service area have sewer service today. The cross-hatched areas on Map 5-1, page 2, indicate areas served by sewers in 2000 including all of the City of Kenosha.

Each sewer service area conveys waste to a sewage treatment plant. Table 5-1, page 3, summarizes existing conditions and design capacities of sewage treatment plants. The City of Kenosha operates a sewage treatment plant. The Village of Pleasant Prairie's wastewater operation consists of two (2) sewage treatment plants referred to as Pleasant Prairie Sewer Utility Districts No. 73-1 and "D" sewage treatment plants, although the majority of wastewater from the Village is treated at the City of Kenosha's sewage treatment plant. By the year 2010, the Village of Pleasant Prairie plans to abandon both of its sewage treatment plants and direct all of its wastewater to the City of Kenosha plant. Most of the area in the Town of Somers served by public sanitary sewer conveys waste to the City of Kenosha's treatment plant.

Wisconsin Pollutant Discharge Elimination Systems

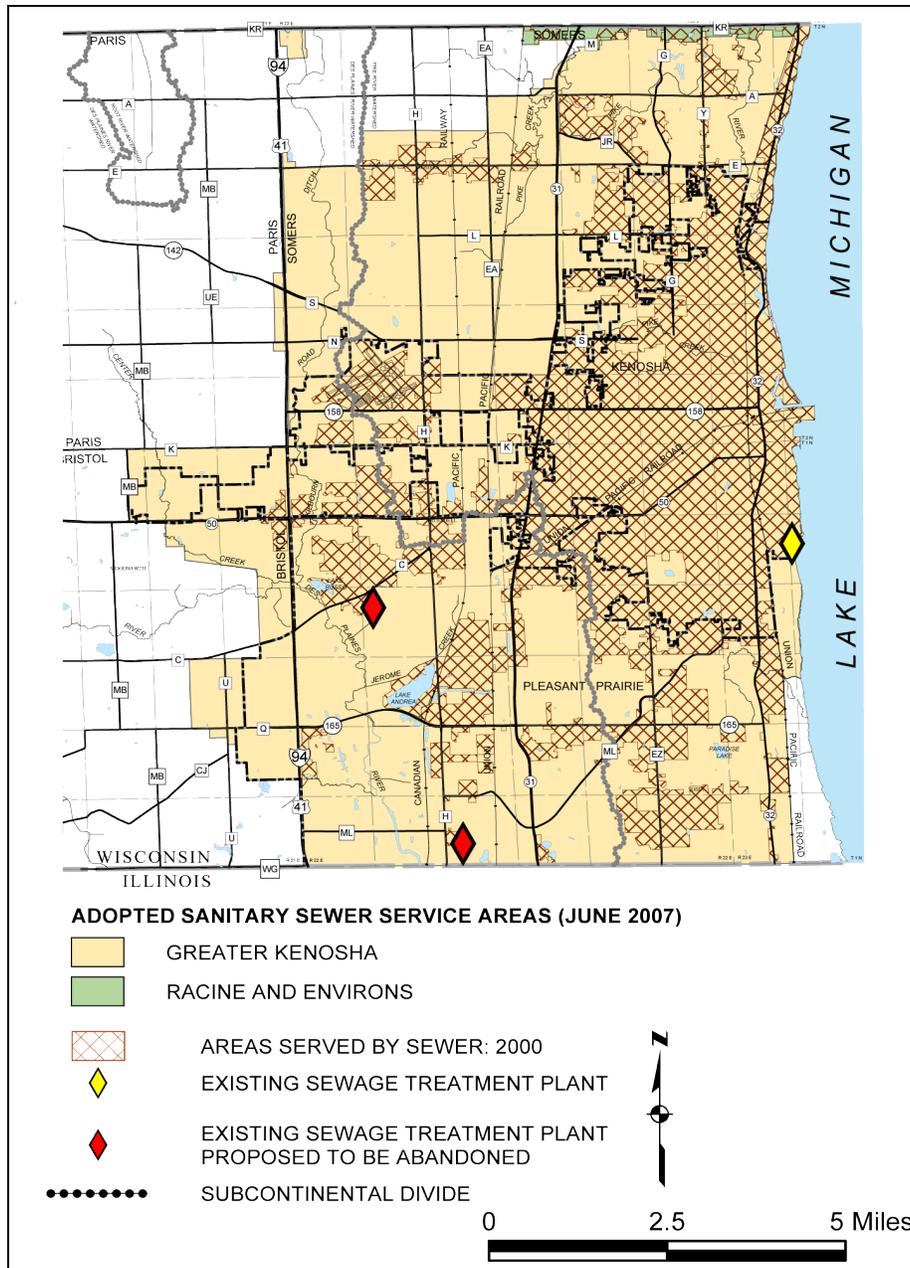
The Wisconsin Department of Natural Resources (WDNR) regulates municipal operations such as public sewage treatment plants and private industrial operations that discharge wastewater to surface or groundwater through the Wisconsin Pollutant Discharge Elimination System (WPDES) permit program. In addition to the permits held for the eight (8) existing sewage treatment plants, an industrial wastewater permit is currently held by within Ocean Spray Cranberries, Inc, in the City of Kenosha.

Private Onsite Wastewater Treatment

Kenosha County regulates private onsite wastewater treatment systems (POWTS) for any development in the County that is not served by sanitary sewer. Development in this case applies to residential, commercial, and industrial uses. The authority to regulate POWTS comes from the Wisconsin Administrative Code, Chapter Commerce (Comm) 83, with related information in Chapters Comm 5, Comm 16, Comm 82, Comm 84 through 87, and Comm 91. Chapter 32 (Kenosha Water Utility) of the Kenosha Code of General Ordinances sets forth the regulations for POWTS.

¹ The Village of Paddock Lake sewer service area plan was amended in March 2008 to add about 157 acres southeast of the Village to the sewer service area.

**MAP 5-1
ADOPTED SANITARY SEWER SERVICE AREAS AND EXISTING AREAS
SERVED BY SEWER IN THE CITY OF KENOSHA AND SURROUNDING AREA**



Source: SEWRPC.

There are several different types of POWTS, including at-grade, conventional systems, in-ground pressure, mound, and holding tank systems. All wastewater must discharge into a public sewerage system or to a POWTS. The ability of soil to accept wastewater from a development differs depending on the type of soil. For this reason, all development proposed to be served by a POWTS requires a soil test to determine if the soils present in a specific location are suitable for the proposed development and the most suitable system for onsite wastewater treatment. Permits were issued for seven (7) POWTS in Kenosha between 1980 and 2006. Kenosha approved one (1) mound system and six (6) holding tanks.

**TABLE 5-1
CHARACTERISTICS OF PUBLIC SEWAGE TREATMENT PLANTS IN KENOSHA COUNTY**

Public Sewage Treatment Plant	Date of Latest Major Plant Modification	Receiving Water	Design Capacity (million gallons per day)	2003 Average Annual Flow Rate (million gallons per day)	2003 Maximum Monthly Flow Rate (million gallons per day)	Planned Estimated Average Annual Flow Rate (million gallons per day)	
						2020	2035
Kenosha	1984	Lake Michigan	28.6	18.38	24.27	21.47	23.83
Paddock Lake	1989	Unnamed Tributary No. 6 to Brighton Creek	0.49	0.40	0.64	0.52	0.63
Pleasant Prairie Sewer Utility District D	1985	Des Plaines River via Pleasant Prairie Tributary	0.50	0.25	0.32	---a	---a
Pleasant Prairie Sewer Utility District No. 73-1	1973	Des Plaines River via Unnamed Tributary	0.40	0.16	0.23	---a	---a
Silver Lake	2001	Fox River	0.47	0.27	0.37	0.41	0.54
Twin Lakes	2000	Tributary to Bassett Creek	1.30	0.64	0.70	0.89	1.12
Bristol Utility District No. 1	2006	Des Plaines River via Bristol Creek Tributary	0.87	0.40	0.55	0.54	0.67
Salem Utility District No. 1	1997	Fox River	1.57	0.80	1.07	1.35	1.83

a This plant is to be abandoned and connected to the Kenosha sewage treatment plant by 2010.

Source: SEWRPC Regional Water Quality Management Plan update.

Water Supply

Map 5-2, page 4, shows portions of Kenosha County served by public water utilities and private water supply systems,² and those areas where development depends on the use of private wells. The portion of Kenosha served by a public water utility encompassed about 13,860 acres in 2005.

There is one (1) public water utility in the City, which serve the City of Kenosha and portions of the Villages of Pleasant Prairie, and portions of the Towns of Bristol and Somers. Surface water from Lake Michigan serves as the major source of public water supply in the City of Kenosha, Village of Pleasant Prairie, and Town of Somers. Groundwater serves as the major source of water for the remaining portion of Kenosha and the City growth areas. Areas not served by public or private water supply systems typically contained sub-urban density single family residential developments or agricultural areas, which obtained their water supply from private wells.

Stormwater Management Facilities

The dispersal of urban land uses over larger areas in the City and the accompanying increase in impervious areas increases stormwater runoff, which must be accommodated by the stream network or by engineered stormwater management systems. Such facilities may include 1) curbs and gutters, 2) catch basins and inlets, 3) storm sewers, 4) infiltration facilities, and 5) stormwater storage facilities for quantity and quality control such as dry and wet detention basins, respectively. Detention basins serve to moderate peak rates of runoff following rainstorms and wet detention basins further provide a permanent volume of water to capture and store pollutants.

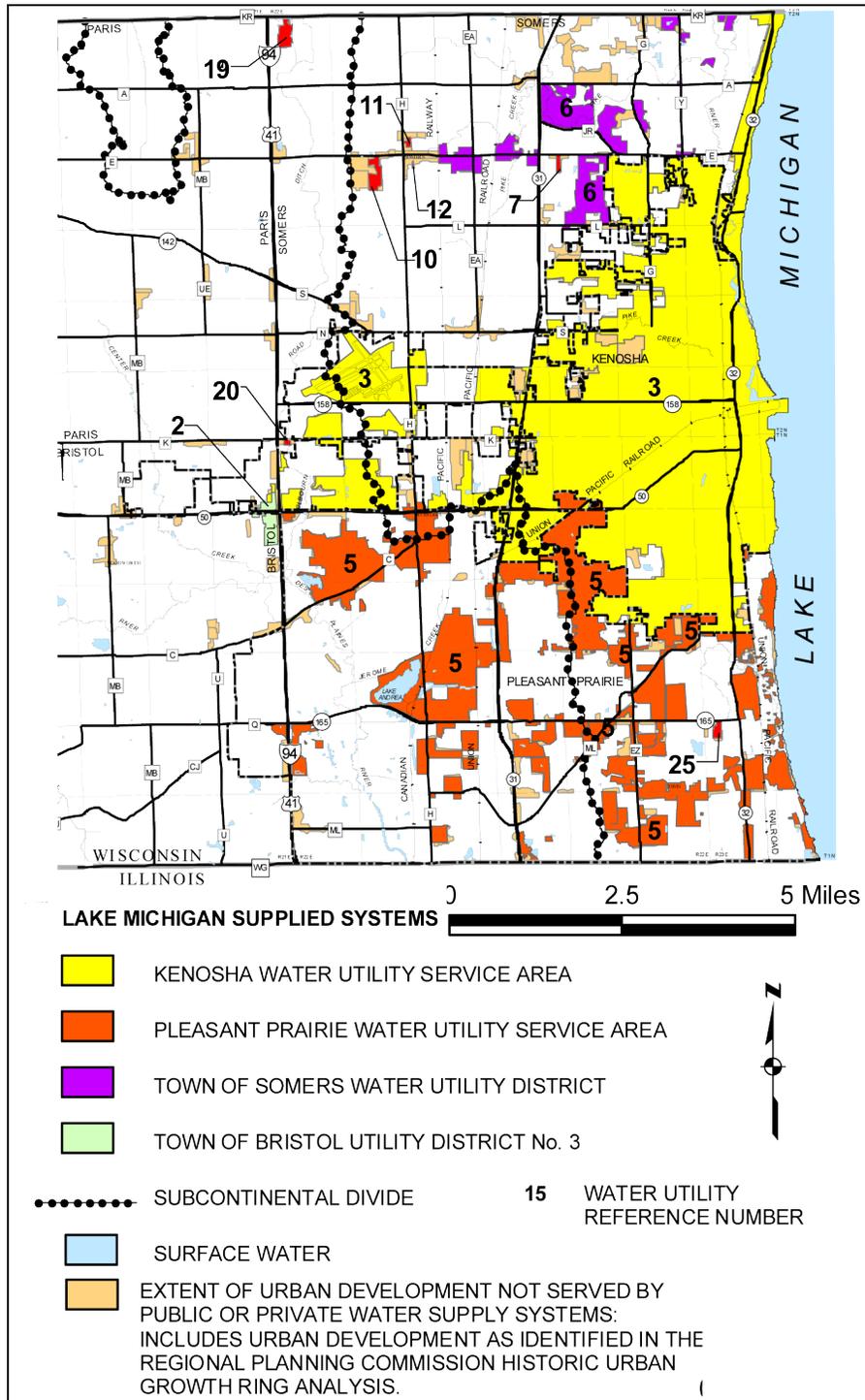
Street improvements in areas with urban density development should employ curb and gutter and storm sewer facilities to carry stormwater runoff (urban areas tend to have a greater percentage of impervious surfaces which produce increased stormwater runoff), although roadside ditches and swales are generally appropriate for residential development with one acre or larger lots. To collect the increased stormwater runoff produced by some urban developments, stormwater storage and/or infiltration facilities may need to be constructed. In general, these facilities consist of dry basins; wet basins; infiltration basins, trenches, and swales; and bioretention facilities. They serve to store and gradually release and/or infiltrate stormwater. Street improvements in areas with rural density development (and less impervious surfaces) generally use roadside ditches and swales, culverts, and overland flow paths to carry stormwater runoff.

The City of Kenosha has an extensive, although not all-inclusive, curb and gutter storm sewer system. The City requires the use of detention basins to help control stormwater runoff and meet the water quality goals specified in Chapter NR 151 of the *Wisconsin Administrative Code*, regardless of whether curb and gutter or roadside swales

² Private water supply systems typically provide infrastructure to serve multiple residences in a single family residential or multi-family residential development or a large institutional development. Water serving these developments does not come from a municipal source.

convey stormwater. Stormwater management and erosion control ordinances and regulations in effect in the City are described in Chapter 6.

**MAP 5-2
AREAS SERVED BY PUBLIC AND PRIVATE WATER UTILITIES
IN THE CITY OF KENOSHA AND SURROUNDING AREAS: 2005**



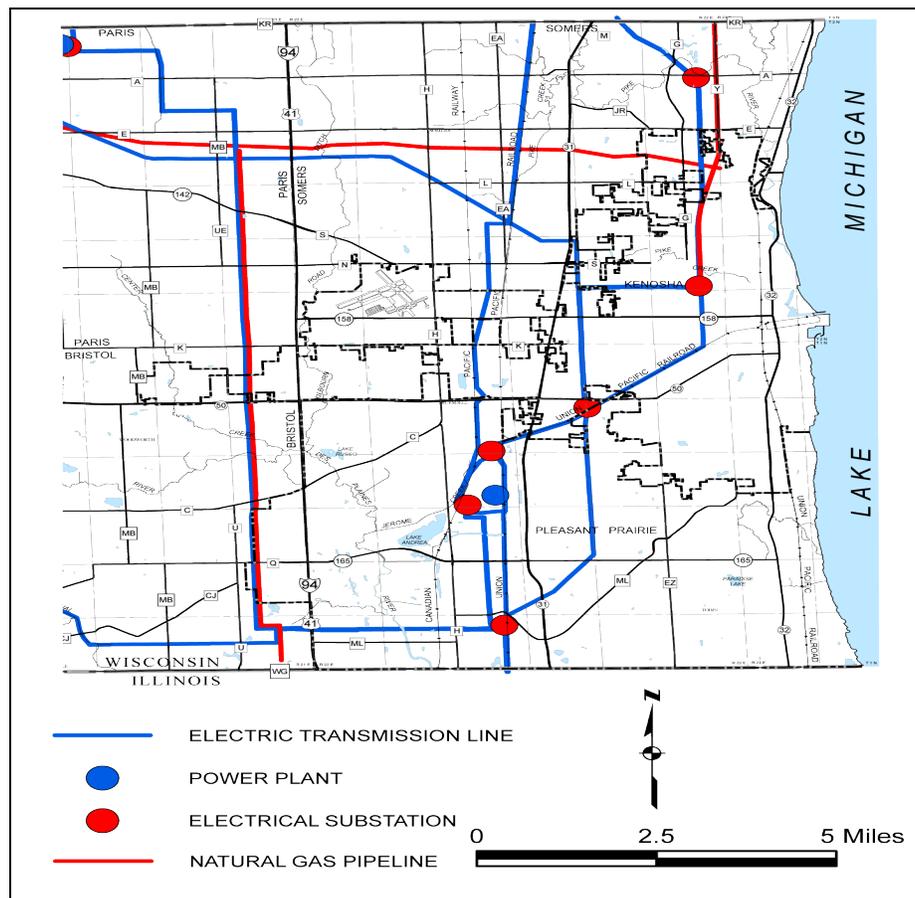
Source: Wisconsin Public Service Commission and SEWERPC.

Electric Power Service

Kenosha is provided with electric power service by WE Energies. A WE Energies electric power generation facility is located in the Village of Pleasant Prairie. The plant is powered by low-sulfur coal and typically operates 24 hours a day as a base-load plant. The Pleasant Prairie Power Plant is the largest generating plant in Wisconsin, contributing 33 percent of the electric energy production capability to the total WE Energies’ generating system. WE Energies also owns and operates the Paris Generating Station in the Town of Paris. This plant is a natural gas-based, peak-load plant used only during hours of high demand. The plant’s contribution to the total WE Energies’ system is less than one (1) percent. Electric power is also provided to the electric power system from Waste Management’s Pheasant Run Landfill Gas-To-Energy facility.

The American Transmission Company (ATC) owns all major electric power transmission lines in Kenosha County. Electric power transmission lines of 69 kilovolts (kV) and greater in Kenosha County are shown on Map 5-3.

**MAP 5-3
ELECTRICAL TRANSMISSION LINES AND PIPELINES IN KENOSHA COUNTY: 2006**



Source: Public Service Commission of Wisconsin and SEWRPC

Natural Gas Service

WE Energies provides natural gas service to the entire County.

Pipelines

Two types of pipelines, natural gas and petroleum-based, are located in Kenosha County. Three (3) companies have underground natural gas pipelines located in the County. ANR Pipeline Company has an underground natural gas mainline that runs east-west through the northern portion of the City of Kenosha. ANR Pipeline

Company operates an interstate system of natural gas pipelines, and provides natural gas to WE Energies. The North Shore Gas Company, a regulated natural gas utility serving customers in the northern suburbs of Chicago, Illinois, has an underground natural gas pipeline that runs north-south in Kenosha County and begins in the southeast corner of the Town of Bristol, just west of I-94, and continues to run west of and parallel to I-94 through the eastern portion of the Town of Bristol and portions of the City of Kenosha and Village of Pleasant Prairie until it connects with the ANR Pipeline in the eastern portion of the Town of Paris southeast of the intersection of CTH MB and CTH E. The North Shore Gas Company does not provide any natural gas service to residents in Wisconsin. WE Energies also has underground natural gas pipelines in the County that branch off natural gas mainline pipelines in the City of Kenosha.

Telecommunications Service

Although there are many telecommunication service providers, there are only a few basic types of communication services. These are: 1) Voice Transmission Services, including “Plain Old Telephone Service” (POTS), cellular wireless, satellite wireless, packet-based telephone networks, and Internet voice services; 2) Data Transmission Services, including the Internet, ATM-Frame Relay, and third generation (3G) cellular wireless networks; 3) Multimedia Services, including video, imaging, streaming video, data, and voice; and 4) Broadcast Services, including AM/FM terrestrial radio, satellite radio and television, terrestrial television, and cable television.

Antennas providing wireless cell phone service were inventoried in 2005 as part of the regional telecommunications plan. The location of wireless antennas in Kenosha County are shown on Map 5-4, page 7, and listed in Table 5-2, page 6. Providers with wireless antennas in the County included Cingular (acquired by AT&T in 2007), Nextel, Sprint, T-Mobile, U.S. Cellular, and Verizon.

TABLE 5-2

LOCATION AND SELECTED CHARACTERISTICS OF WIRELESS ANTENNAS IN CITY OF KENOSHA: 2005

No. on Map 5-4	Location ^a	Provider ^b	Antenna Height (feet)	Antenna Type ^c
1	T2N, R22E, Section 24	Verizon	98.4	O
2d	T2N, R22E, Section 23	US Cellular	299.8	S
3	T2N, R23E, Section 19	US Cellular	98.4	O
4	T2N, R22E, Section 25	Sprint	88.6	O
5	T2N, R22E, Section 25	Sprint	137.8	O
6	T2N, R22E, Section 34	Sprint	118.1	O
7	T2N, R22E, Section 34	T-Mobile	88.6	O
8	T2N, R22E, Section 35	US Cellular	78.7	O
9	T1N, R22E, Section 4	Nextel	150.9	O
10	T1N, R22E, Section 2	Sprint	68.9	O
11	T1N, R22E, Section 1	T-Mobile	98.4	O
12	T1N, R22E, Section 1	Nextel	65.6	O
		Sprint	78.7	O
		US Cellular	99.1	O
		Verizon	---	O
13	T2N, R23E, Section 31	Sprint	111.5	O
		T-Mobile	114.8	O
14	T1N, R22E, Section 11	Sprint	105.0	O
15	T1N, R23E, Section 18	Cingular	140.8	S
		Sprint	88.6	O
		Verizon	105.0	O
16	T1N, R21E, Section 1	Sprint	88.6	O
		T-Mobile	111.5	O
		Verizon	101.7	O

^a The abbreviations represent: T (Township); 2 N (North), R (Range) 22 E (East).

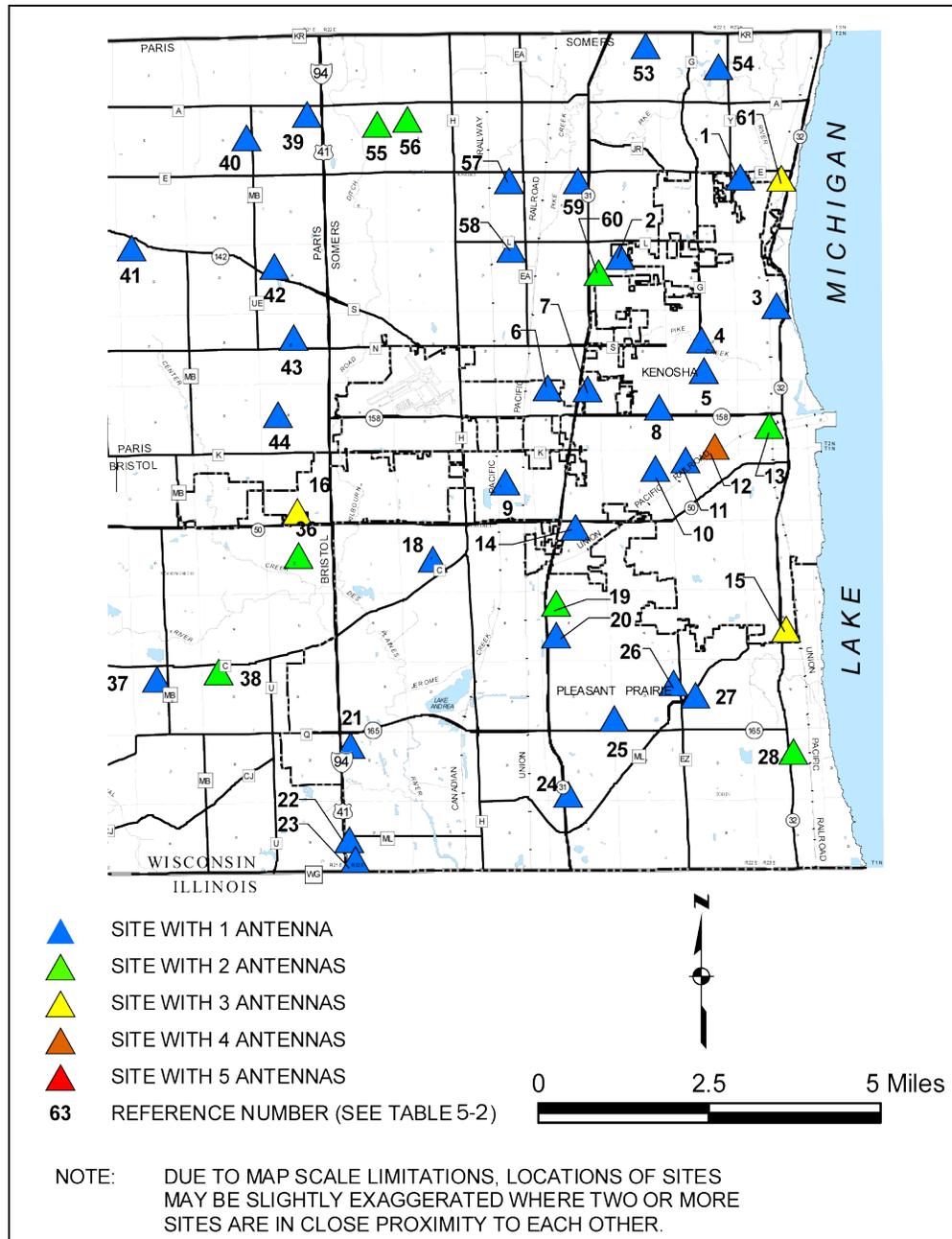
^b Cingular was acquired by AT&T in 2007.

^c Antenna types include S (Sectoral) and O (Omni). A Sectoral antenna uses a more complex antenna structure and transmits and receives over a sector with the total number of sectors covering a 360-degree pattern. An Omnidirectional uses a monoplex antenna and receives and transmits over a 360-degree pattern.

^d Tower has been dismantled.

Source: Federal Communications Commission, Universal Licensing System Cellular License Database, City of Kenosha, and SEWRPC.

**MAP 5-4
WIRELESS TELECOMMUNICATION FACILITIES
IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2005**



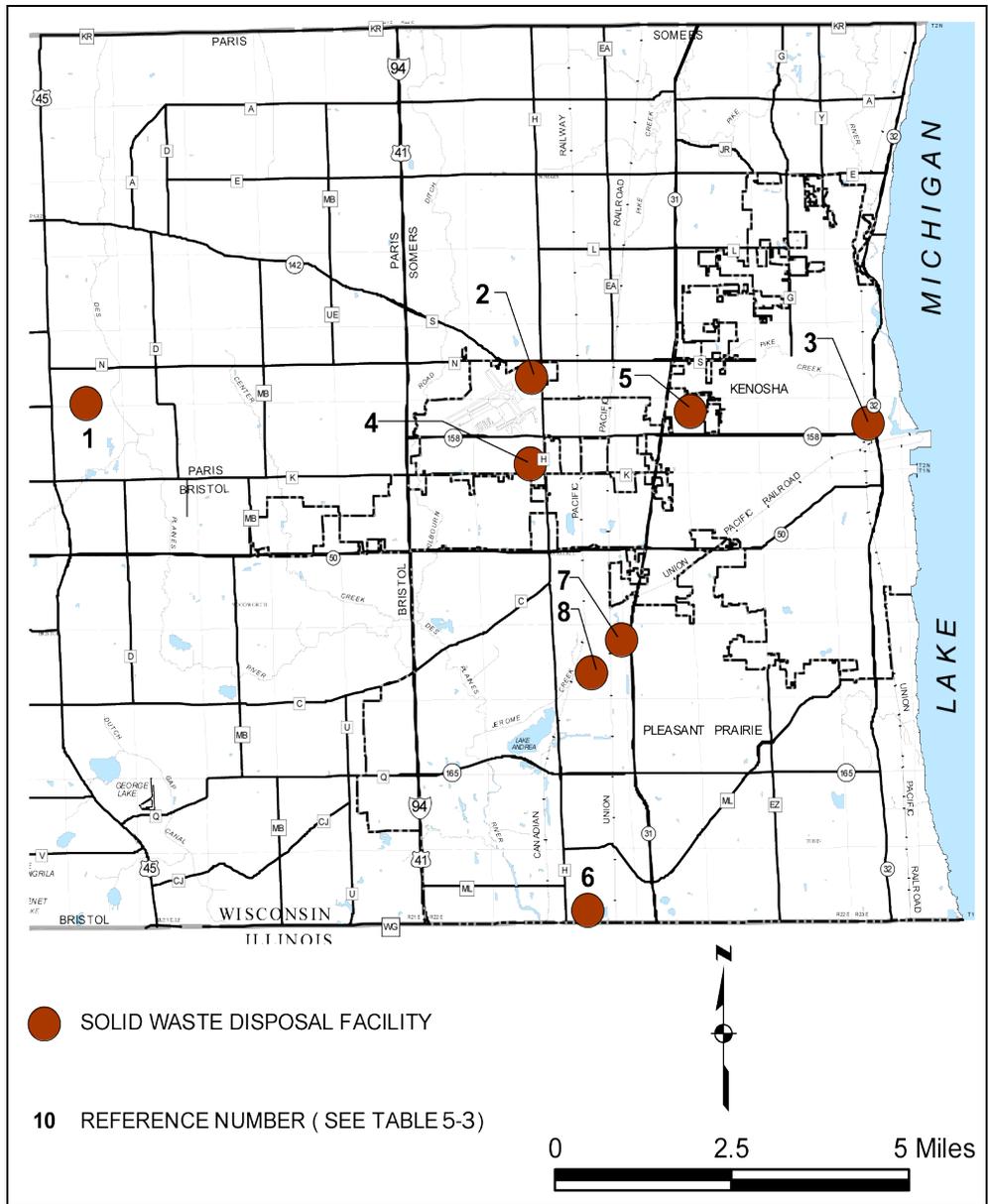
Source: SEWERPC.

Solid Waste Management Facilities

The average person in Wisconsin generates 4.7 pounds of trash (residential and their share of commercial trash) each day and recycles 1.9 pounds of that trash per day. In 2006, all solid waste in Kenosha was either collected at a transfer station, recycling or drop-off center, or collected curb-side. Transfer stations are large facilities where, for a fee, residents or municipalities, using municipal waste disposal trucks or private waste disposal contractors, take their solid waste for collection by a privately-owned waste management service provider to be transported to a privately-owned solid waste facility and/or landfill. Recycling and drop-off centers are locations provided by the City where residents take their solid waste to be collected by a privately-owned waste management provider to

be transported to a privately-owned solid waste facility, recycling center, and/or landfill. Solid waste facilities in Kenosha include transfer stations, solid waste storage facilities, recycling facilities, processing facilities (for processing animal waste or non-recyclable paper), and compost sites, and are shown on Map 5-5, and listed in Table 5-3, page 9.

MAP 5-5
SOLID WASTE DISPOSAL FACILITIES IN EASTERN KENOSHA COUNTY: 2006



Source: Kenosha County and SEWRPC.

Solid waste collected from the City is deposited in the Pheasant Run Landfill in the Town of Paris. The landfill is owned by Waste Management, Inc, and has a total capacity of about 21.4 million cubic yards (one cubic yard of compacted landfill averages 1,750 pounds in weight). As of 2006, the landfill had about 4.1 million cubic yards remaining, or an estimated three additional years of activity at its current capacity and use. A proposed expansion of the landfill is currently being reviewed by regulatory authorities, including Kenosha County.

**TABLE 5-3
SOLID WASTE DISPOSAL FACILITIES FOR THE CITY OF KENOSHA: 2006**

No. on Map 5-5	Facility Name	Street Address ^a	Facility Type
1	Pheasant Run Recycling & Disposal	19414 60 th Street, Bristol (Town of Paris)	Landfill, Processing Facility, Compost Site, & Drop-Off Center ^b
2	City of Kenosha Compost Site	4071 88 th Avenue, Kenosha	Compost Site
3	City of Kenosha Transfer Facility & Recycling Center	1001 50 th Street, Kenosha	Transfer Facility & Recycling Center
4	Emco Chemical Distributors, Inc.	9114 58 th Street, Kenosha	Storage Facility
5	Kenosha Recyclery	5421 46 th Street, Kenosha	Recycling Facility

a The street address reflects the mailing address of the facility rather than the local government in which the facility is located.

b This site provides a separate drop-off area, free of charge, for Town of Paris residents.

Source: Wisconsin Department of Natural Resources, Kenosha County, and SEWRPC.

UTILITIES IN THE CITY OF KENOSHA

Sanitary Sewers

The City of Kenosha owns and operates its own sanitary sewerage system. The Greater Kenosha sewer service area encompassed about 53,092 acres in 2007, and included the entire City, as well as adjacent areas in the Village of Pleasant Prairie and the Towns of Bristol and Somers. Virtually all areas within the City are served by public sewer.

Water Supply

Virtually all areas within the water service area are served with public water. The Kenosha Water Utility Service Area encompassed about 13,860 acres and provided a total of 5.6 billion gallons of water within the water service area in 2005. Users within the water service area consumed an average of 65.6 gallons of water per person per day. Lake Michigan is the water service area's major source of water.

Stormwater Management

The City operates an engineered stormwater management system, including curbs and gutters, storm sewers, and detention basins, that serve properties within the City. The City created a stormwater utility in 2007 which charges a user fee to pay for the cost of the program.

Electric Power and Natural Gas

WE Energies provides electric power and natural gas service throughout the City. ANR Pipeline Company also has a gas pipeline traversing a portion of the City. ANR operates an interstate system of natural gas pipelines and provides natural gas to WE Energies. A WE Energies natural gas pipeline is located in the northern portion of the City and the North Shore Gas Company's natural gas pipeline is located in the western portion of the City, west of I-94.

Telecommunications Service

Wireless antennas providing wireless cell phone service were inventoried in 2005 as part of the regional telecommunications plan. Providers with wireless antennas in the City included Cingular, Nextel, Sprint, T-Mobile, U.S. Cellular, and Verizon. In 2005, there were 16 wireless antenna towers in the City, one (1) of which accommodated antennas for four (4) companies, two (2) which accommodated antennas for three (3) companies, one (1) which accommodated antennas for two (2) companies, and 12 accommodating antennas for a single carrier. As of 2007, an antenna tower had been dismantled, and a total of 28 antennas existed in the City of Kenosha.

Solid Waste Disposal

The City of Kenosha provides curbside pick-up of solid waste and recyclable materials for its residents through the City Waste Management Division of the Department of Public Works. In addition, a transfer station for solid waste disposal and a self-serve recycling drop-off site is located on 50th Street. City residents may drop off recyclable materials at Onyx Recyclers on 46th Street. The City also provides a compost facility on 88th Avenue for residents to dispose of lawn clippings, shrubs, and tree branches and leaves.

TABLE 5-4
SUMMARY OF UTILITY SERVICES IN THE CITY OF KENOSHA

Sewage Disposal	Water Supply	Electric & Natural Gas Service	Utility Districts	Telecommunications Infrastructure	Solid Waste Management
Greater Kenosha sewer service area and private disposal	Kenosha Water Utility	WE Energies	None	Wireless ➤ 16 antenna towers	City of Kenosha DPW ➤ curbside pickup (trash, recycling) ➤ transfer station ➤ compost facility

Source: City of Kenosha, Wisconsin Public Service Commission, and SEWRPC.

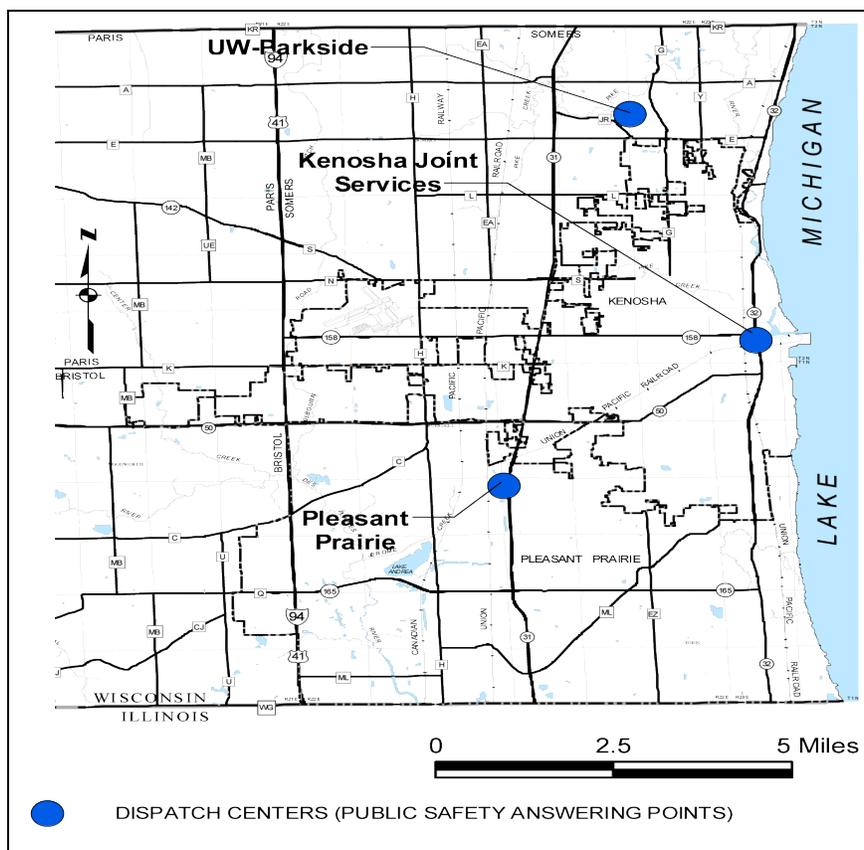
PART 2: COMMUNITY FACILITIES

COMMUNITY FACILITIES IN THE CITY OF KENOSHA

Dispatching Services (Public Safety Answering Points)

There are four (4) dispatch service centers or Public Safety Answering Points (PSAP) in Kenosha County that take emergency calls 24 hours a day. The centers are operated by the Kenosha City/County Joint Services-Communications Center (countywide PSAP), and the Pleasant Prairie, Twin Lakes, and UW-Parkside Police Departments. Their locations are shown on Map 5-6. All emergency calls go to the countywide PSAP which dispatches personnel or transfers calls, where appropriate, to a local dispatch center. The centers handle calls pertaining to police, fire, and medical emergencies.

MAP 5-6
DISPATCH CENTERS IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2006



Source: Kenosha County and SEWRPC

City and County Municipal Buildings, Post Offices, Libraries, and Museums

The Kenosha Municipal Building is located in the east-central portion of the City near 52nd Street and Sixth Avenue. The City of Kenosha Public Works Building is located on 35th Avenue. The Kenosha County Courthouse and the Kenosha County Administration Building are also located in the City, along with the Kemper Center and three (3) other Kenosha County buildings. The Kenosha Public Museum and the Dinosaur Discovery Museum are located in downtown Kenosha. Three (3) college campuses are also located in the City: Carthage College, Concordia University-Kenosha Center, and Gateway Technical College-Kenosha Campus. The City has four (4) public libraries: Northside Kenosha Public Library, Simmons Kenosha Public Library, Southwest Kenosha Public Library, and Uptown Kenosha Public Library. Three (3) post offices are located in the City on Sheridan Road, 52nd Street, and 80th Street. See Table 5-5 and Map 5-7, page 12.

TABLE 5-5

GOVERNMENT AND PUBLIC INSTITUTIONAL BUILDINGS IN THE CITY OF KENOSHA: 2006

<i>No. on Map 5-7</i>	<i>Building/Office</i>	<i>Street Address^a</i>
Regional or County		
1	Cardinal Stritch University – Kenosha Campus	9080 76 th Street, Pleasant Prairie
2	Carthage College	2001 Alford Park Drive
3	Concordia University – Kenosha Center	7500 Green Bay Road
4	Dinosaur Discovery Museum	5608 Tenth Avenue
5	Gateway Technical College – Kenosha Campus	3520 30 th Avenue
6	Kemper Center ^b	6501 Third Avenue
7	Kenosha City and County Safety Building	1000 55 th Street
8	Kenosha County Administration Building	1010 56 th Street
9	Kenosha County Brookside Care Center	3506 Washington Road
11	Kenosha County Courthouse	912 56 th Street
12	Kenosha County Department of Human Services	8600 Sheridan Road
13	Kenosha County Parks Building	761 Green Bay Road
14	Kenosha Public Museum	5500 First Avenue
15	Social Security Administration	5624 Sixth Avenue
16	University of Wisconsin – Parkside	900 Wood Road
17	Wisconsin Dept. of Transportation – Division of Motor Vehicles	4911 88 th Avenue
Community		
20	City of Kenosha Municipal Building	625 52 nd Street
Libraries		
31	Northside Kenosha Public Library	1500 27 th Avenue
34	Simmons Kenosha Public Library	711 59 th Place
35	Southwest Kenosha Public Library	7979 38 th Avenue
37	Uptown Kenosha Public Library	2419 63 rd Street
U.S. Post Office		
41	Hillside True Value	4614 52 nd Street
42	Kenosha	5605 Sheridan Road
46	Roger and Marv's Supervalu	3401 80 th Street

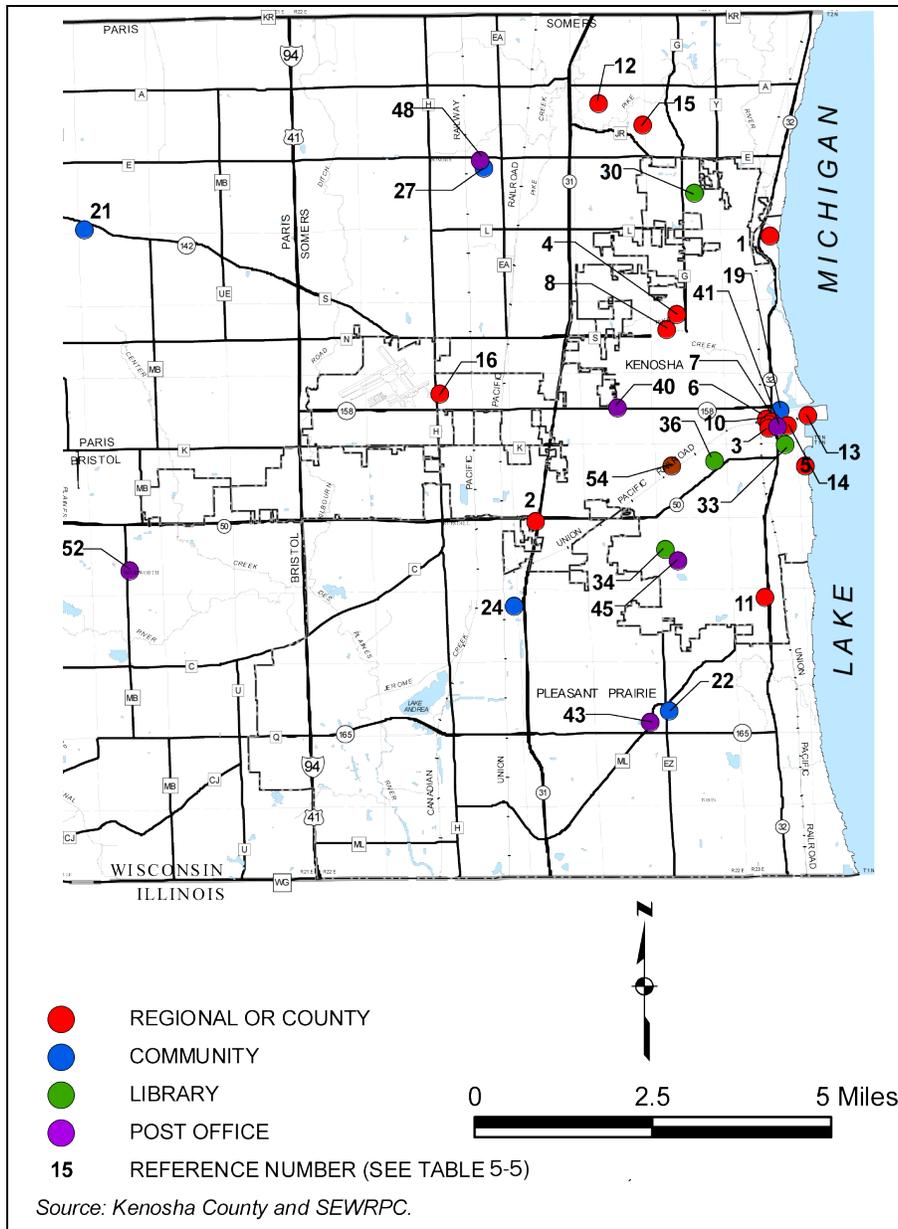
a The street address reflects the mailing address of the building rather than the local government in which the building is located.

b Includes the Anderson Arts Center, the Durkee Mansion, Ambrose Hall, Kemper Hall, and the Kemper Chapel.

Source: City of Kenosha and SEWRPC.

MAP 5-7

GOVERNMENT AND PUBLIC INSTITUTIONAL BUILDINGS IN THE CITY OF KENOSHA: 2006



Source: Kenosha County and SEWRPC

Police, Fire Protection, and Emergency Rescue Services

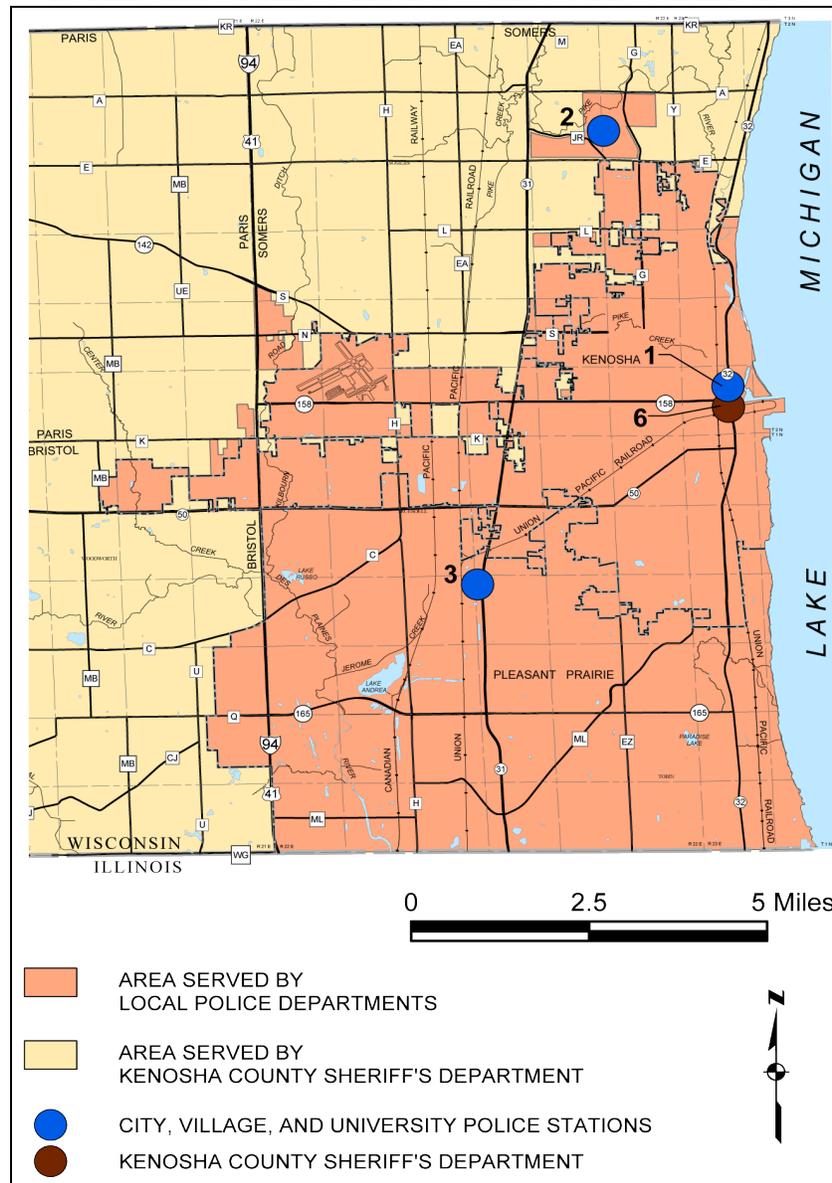
Police protection in the City of Kenosha is provided by the City of Kenosha Police Department, which provides service 24 hours a day. The Law Enforcement Stations are shown on Map 5-8, page 13 and outlined in Table 5-6, page 13. Fire protection is provided by the City of Kenosha Fire Department, which consists of seven (7) fire stations located throughout the City as shown on Map 5-9, page 14 and outlined in Table 5-7, page 14. Emergency medical service units associated with four (4) of the fire stations provide emergency rescue services in the City. The Emergency Medical Services areas are shown on Map 5-10, page 15 and outlined in Table 5-8, page 15. The Scout Leaders Rescue Squad, a volunteer rescue unit, and LJH Ambulance, a private ambulance service, are also located in the City and provide emergency medical services.

TABLE 5-6
LAW ENFORCEMENT DEPARTMENTS AND SERVICE AREAS
IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2008

No. on Map 5-8	Police and Sheriff Departments	Service Area (acres)
1	City of Kenosha	17,363
2	University of Wisconsin – Parkside	658
3	Village of Pleasant Prairie	21,497
6	Kenosha County Sheriff's Department	131,393

Source: Kenosha County and SEWRPC.

MAP 5-8
LAW ENFORCEMENT DEPARTMENTS AND SERVICE AREAS
IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2008



Source: Kenosha County and SEWRPC.

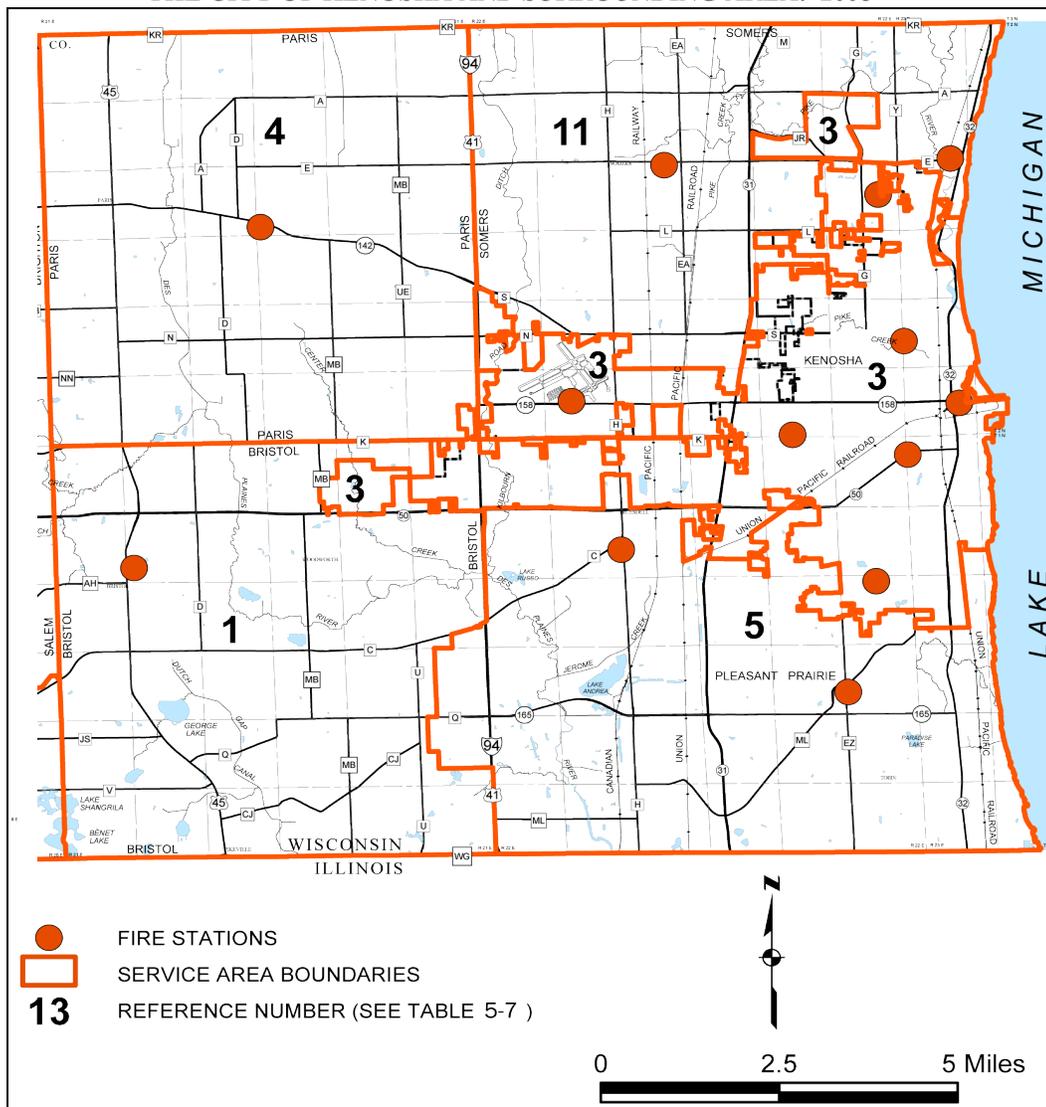
TABLE 5-7
FIRE DEPARTMENTS AND SERVICE AREAS IN
THE CITY OF KENOSHA AND SURROUNDING AREA: 2008

No. on Map 5-9	Fire Departments	Service Area (acres)
1	Bristol Fire and Rescue Department	21,312
3	Kenosha Fire and Rescue Department	18,064
4	Paris Fire and Rescue Department	23,016
5	Pleasant Prairie Fire and Rescue Department	21,746
11	Somers Fire and Rescue Department	17,021

a This area only includes the portion that lies within Kenosha County. The fire department is located in Racine County in the Town of Dover.

Source: Kenosha County and SEWRPC.

MAP 5-9
FIRE DEPARTMENTS AND SERVICE AREAS IN
THE CITY OF KENOSHA AND SURROUNDING AREA: 2008



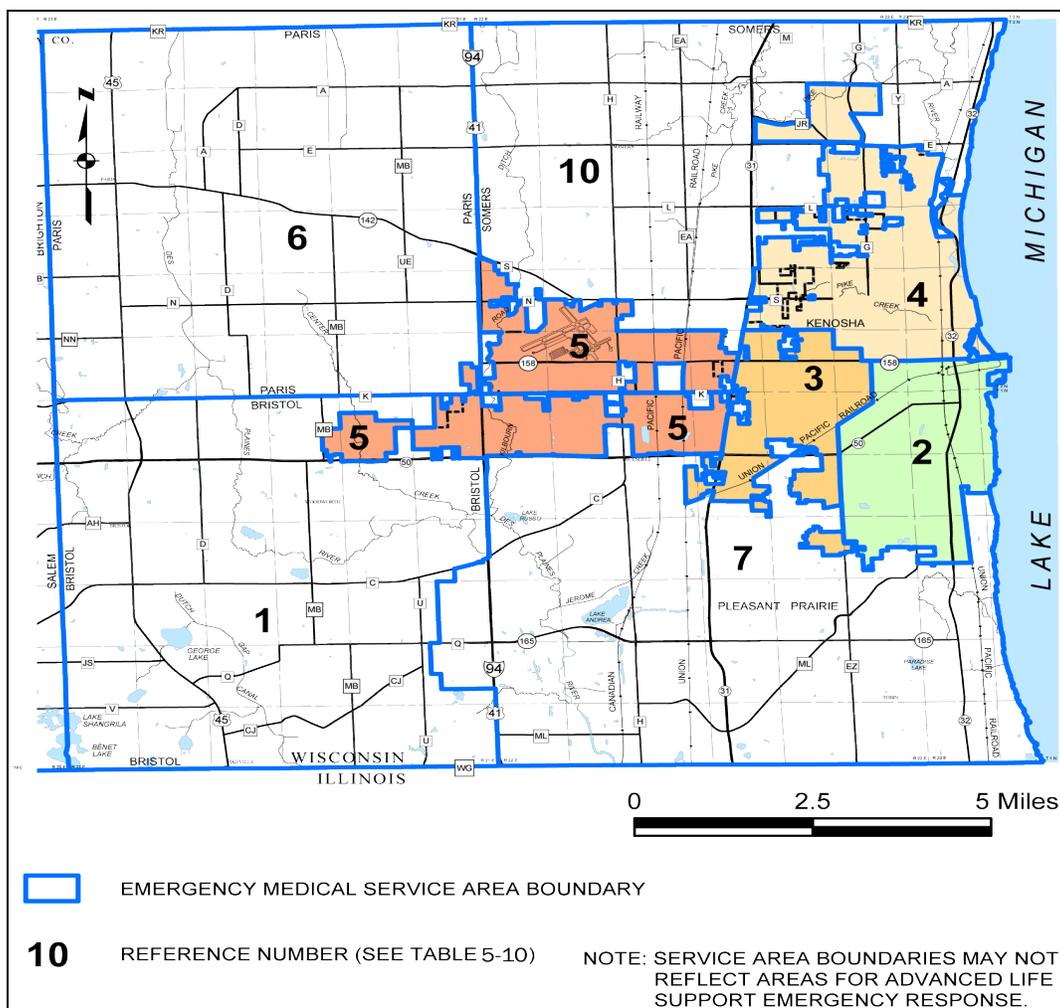
Source: Kenosha County and SEWRPC.

TABLE 5-8
EMERGENCY MEDICAL SERVICES (EMS) IN
THE CITY OF KENOSHA AND SURROUNDING AREA: 2008

No. on Map 5-10	EMS – Rescue Department Service Areas	Service Area (acres)
1	Bristol Fire and Rescue Department	21,312
Kenosha Rescue		
2	➤ Med - 3	3,867
3	➤ Med - 4	2,919
4	➤ Med - 5	5,681
5	➤ Med - 7	5,554
6	Paris Rescue	23,016
7	Pleasant Prairie Rescue	21,746
10	Somers Rescue	16,733

Source: Kenosha County and SEWRPC.

MAP 5-10
EMERGENCY MEDICAL SERVICE AREAS IN
THE CITY OF KENOSHA AND SURROUNDING AREA: 2008

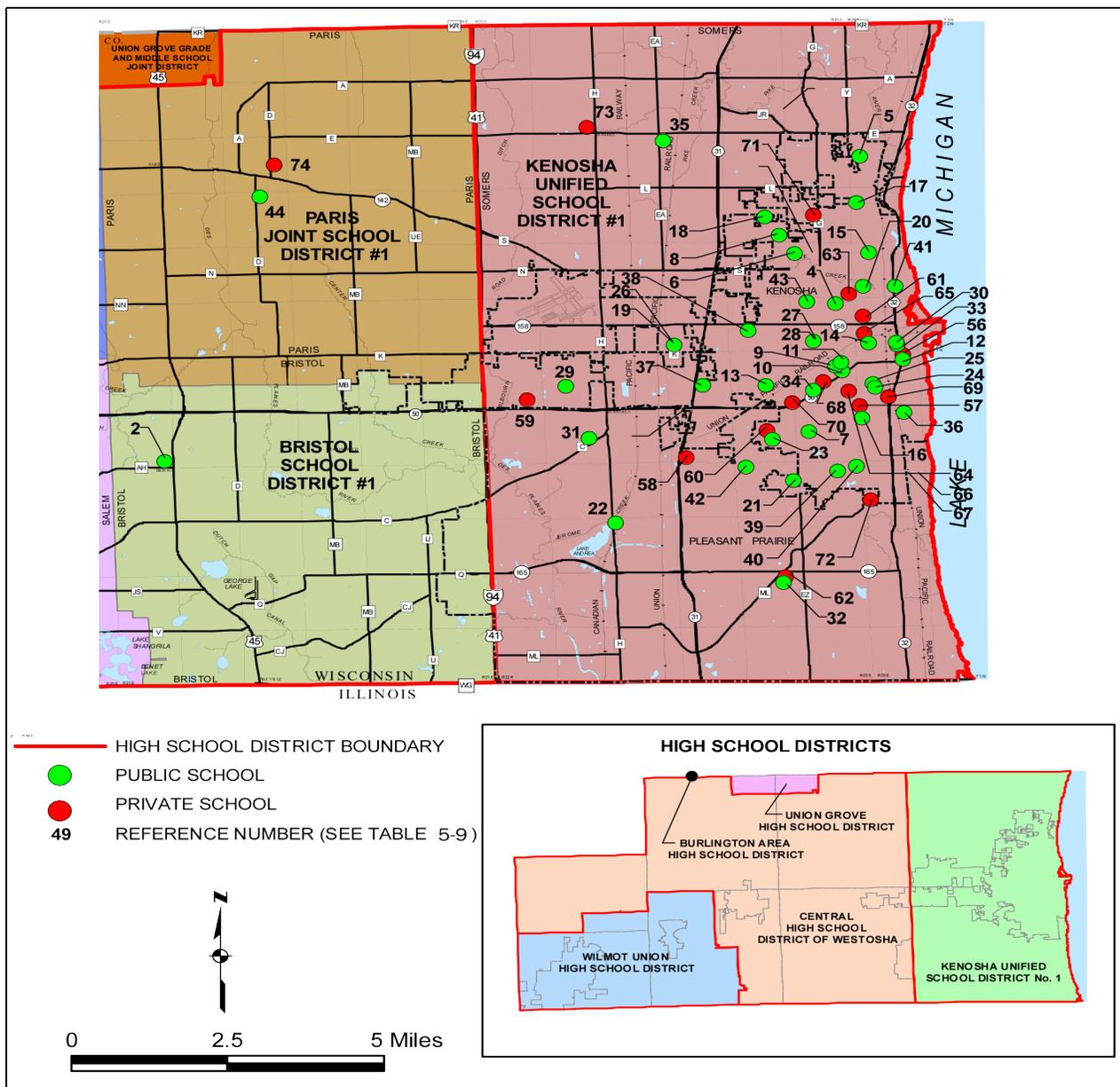


Source: Kenosha County and SEWRPC.

Schools

Elementary and high school students living in the City east of I-94 are in the Kenosha Unified School District. Elementary school students west of I-94 are located in the Paris Joint School District or the Bristol School District, and high school students west of I-94 are in the Westosha Central High School District. Westosha Central High School is located in the Village of Paddock Lake. Currently, no schools are located west of I-94 in the City. The Kenosha Unified School District operates 37 public schools east of the Interstate, including 24 pre-kindergarten, kindergarten, and elementary schools; seven (7) middle schools; and six (6) high schools. There are also 15 private schools in the City, including 13 pre-kindergarten, kindergarten, and elementary schools; one (1) middle school (St. Joseph Junior High School); and one (1) high school (St. Joseph High School). This is further shown in Map 5-11 and Table 5-9, page 17.

**MAP 5-11
PUBLIC AND PRIVATE SCHOOLS AND SCHOOL DISTRICTS
IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2006**



Source: Kenosha County, School Districts and SEWRPC.

**TABLE 5-9
PUBLIC AND PRIVATE SCHOOLS AND SCHOOL DISTRICTS
IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2005-2006**

No. on Map 5-11	Public Schools	Gradesa	Enrollmentb	Street Address
Bristol School District #1				
2	Bristol Elementary School	PK-8	576	20121 83 rd Street, Bristol
Central High School District of Westosha				
3	Westosha Central High School	9-12	1,243	24617 75 th Street, Salem
Kenosha Unified School District No. 1				
4	Edward Bain School of Language and Art	PK-5	776	2600 50 th Street, Kenosha
5	Bose Elementary School	PK-5	337	1900 15 th Street, Kenosha
6	Bradford High School	9-12	2,270	3700 Washington Road, Kenosha
7	Brompton School	K-5	95	7951 36 th Avenue, Kenosha
8	Bullen Middle School	6-8	880	2804 39 th Avenue, Kenosha
9	Chavez Learning Station	PK	378	6300 27 th Avenue, Kenosha
10	Columbus Elementary School	K4-5	239	6410 25 th Avenue, Kenosha
11	Dimensions of Learning Academy	K-8	198	6218 25 th Avenue, Kenosha
12	Durkee Elementary School	K-5	158	839 62 nd Street, Kenosha
13	Forest Park Elementary School	PK-5	478	6810 45 th Avenue, Kenosha
14	Frank Elementary School	K4-5	496	1816 57 th Street, Kenosha
15	Grant Elementary School	K4-5	324	1716 35 th Street, Kenosha
16	Grewenow Elementary School	PK-5	380	7714 20 th Avenue, Kenosha
17	Harvey Elementary School	K4-5	440	2012 19 th Avenue, Kenosha
18	Hillcrest High School	6-12	57	4616 24 th Street, Kenosha
19	Indian Trail Academy	9-12	1,154	6800 60 th Street, Kenosha
20	Jefferson Elementary School	K4-5	341	1832 43 rd Street, Kenosha
21	Jeffery Elementary School	PK-5	389	4011 87 th Street, Kenosha
22	LakeView Technology Academy	9-12	311	9449 88 th Avenue, Kenosha
23	Lance Middle School	6-8	981	4515 80 th Street, Kenosha
24	Lincoln Elementary School	K4-5	261	6811 18 th Avenue, Kenosha
25	Lincoln Middle School	6-8	806	6729 18 th Avenue, Kenosha
26	Mahone Middle School	6-8	880	6900 60 th Street, Kenosha
27	McKinley Elementary School	PK-5	275	5520 32 nd Avenue, Kenosha
28	McKinley Middle School	6-8	609	5710 32 nd Avenue, Kenosha
29	Nash Elementary School	K-5	---	6801 99 th Avenue, Kenosha
30	Paideia Academy	6-8	67	5821 Tenth Avenue, Kenosha
31	Pleasant Prairie Elementary School	K-5	694	9208 Wilmot Road, Kenosha
33	Reuther Central High School	9-12	678	913 57 th Street, Kenosha
34	Roosevelt Elementary School	K-5	396	3322 Roosevelt Road, Kenosha
35	Somers Elementary School	PK-5	602	1245 72 nd Avenue, Kenosha
36	Southport Elementary School	PK-5	457	723 76 th Street, Kenosha
37	Stocker Elementary School	PK-5	608	6315 67 th Street, Kenosha
38	Strange Elementary School	K4-5	517	5414 49 th Avenue, Kenosha
39	Tremper High School	9-12	2,402	8560 26 th Avenue, Kenosha
40	Vernon Elementary School	PK-5	477	8518 22 nd Avenue, Kenosha
41	Washington Middle School	6-8	604	811 Washington Road, Kenosha
43	Wilson Elementary School	K-5	224	4520 33 rd Avenue, Kenosha
Paris J1 School District				
44	Paris Elementary School	PK-8	210	1901 176 th Avenue, Kenosha (Town of Paris)
City of Kenosha Schools				
No. on Map 5-11	Private Schools	Gradesa	Enrollmentb	Street Address
56	Armitage Academy	K-8	125	6032 Eighth Avenue, Kenosha
57	Bethany Lutheran School	K-8	70	2100 75 th Street, Kenosha
59	Christian Life School	PK-12	789	10700 75 th Street, Kenosha
60	Diderrich Academy	PK-K	4	7918 47 th Avenue, Kenosha
61	Friedens Lutheran School	K-8	180	5043 20 th Avenue, Kenosha
63	Holy Rosary School	K-8	283	4400 22 nd Avenue, Kenosha

No. on Map 5-11	Private Schools	Grades ^a	Enrollment ^b	Street Address
64	Kenosha Montessori School	PK-6	77	2401 69 th Street, Kenosha
65	Our Lady of Mount Carmel School	PK-6	148	5400 19 th Avenue, Kenosha
66	Saint Joseph High School	9-12	344	2401 69 th Street, Kenosha
67	Saint Joseph Junior High School	7-8	147	2401 69 th Street, Kenosha
68	Saint Luke's Evangelical Lutheran School	PK-8	39	6700 30 th Avenue, Kenosha
69	Saint Mark's Grade School	PK-6	100	7117 14 th Avenue, Kenosha
70	Saint Mary's Catholic Grade School	K-8	324	7400 39 th Avenue, Kenosha
71	Saint Peter's Grade School	PK-6	82	2224 30 th Avenue, Kenosha
72	Saint Therese School	PK-6	91	2020 91 st Street, Kenosha

a K is kindergarten, PK is pre-kindergarten, and K4 is kindergarten for four year olds.

b Enrollment is based on 2005 data.

c Street address is the school's mailing address.

d Charles Nash Elementary School broke ground in July 2006 and is scheduled to open for the 2007-2008 school year.

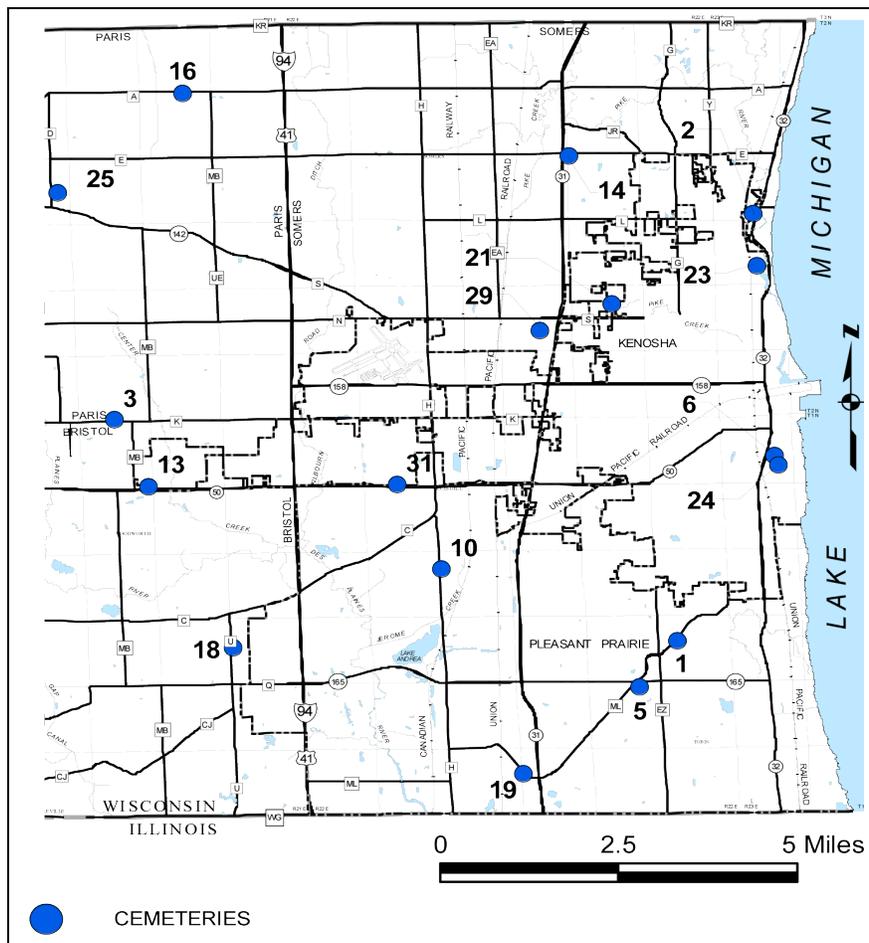
e Enrollment is based on 2006 data.

Source: Wisconsin Department of Public Instruction, Kenosha Unified School District, and SEWRPC.

Cemeteries

There are four (4) cemeteries in the City of Kenosha: Greenridge Cemetery, Vale Cemetery, St. George Cemetery, and St. James Cemetery. Together, the cemeteries encompass about 78 acres. See Map 5-12 and Table 5-10, page 19. St. Casimir's Cemetery is located in the City Growth Area of the Town of Somers.

**MAP 5-12
CEMETERIES IN THE CITY OF KENOSHA AND GROWTH AREA: 2006**



Source: SEWRPC.

TABLE 5-10
CEMETERIES IN THE CITY OF KENOSHA AND CITY GROWTH AREA: 2006

No. on Map 5-12	Name	Size (acres)
6	Greenridge Cemetery	36.3
21	St. Casimir's Cemetery ^a	3.7
23	St. George Cemetery	29.0
24	St. James Cemetery	11.7
31	Vale Cemetery	1.0
	TOTAL	81.7

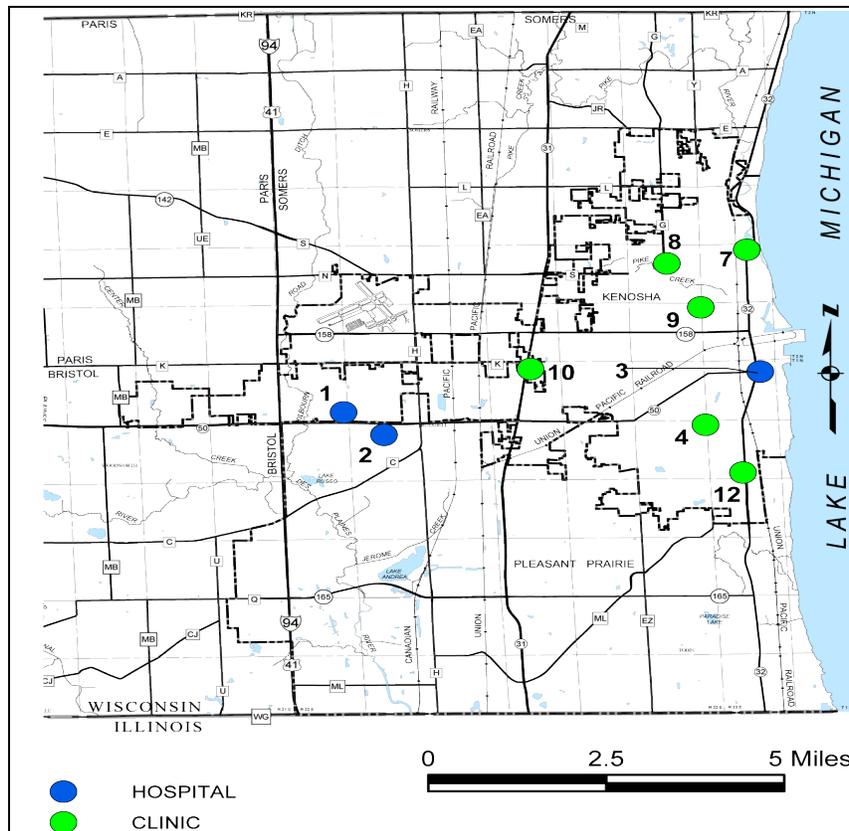
^a Located in City Growth Area, Town of Somers

Source: City of Kenosha and SEWRPC land use inventory.

Health Care Facilities

There are two (2) hospitals located within the City. Aurora Medical Center is located in the western portion of the City near 104th Avenue and STH 50, and United Hospital System-Kenosha Medical Center Campus is located in the east central portion of the City on Eighth Avenue. The Kenosha Medical Center Campus also contains the Children's Hospital of Wisconsin. St. Catherine's Medical Center in the Village of Pleasant Prairie is located nearby. The City also has six (6) clinics for non-specialized medical services: Aurora Health Center, Family Medical Center North, Family Practice Associates, Kenosha Community Health Center, Kenosha Pediatrics, and Sheridan Medical Complex. See Map 5-13 and Table 5-11, page 20.

MAP 5-13
HOSPITALS AND CLINICS IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2006



Source: Kenosha County and SEWRPC.

**TABLE 5-11
HOSPITALS AND CLINICS IN THE CITY OF KENOSHA AND SURROUNDING AREA: 2006**

No. on Map 5-13	Facility Name	Street Address
Hospitals^a		
1	Aurora Medical Center – Kenosha	10400 75 th Street, Kenosha
2	St. Catherine’s Medical Center	9555 76 th Street, Pleasant Prairie
3	Kenosha Medical Center Campus ^b	6308 Eighth Avenue, Kenosha
Clinics^c		
4	Aurora Health Center – Kenosha	7540 22 nd Avenue, Kenosha
7	Family Medical Center North	3200 Sheridan Road, Kenosha
8	Family Practice Associates	3535 30 th Avenue, Kenosha
9	Kenosha Community Health Center	4536 22 nd Avenue, Kenosha
10	Kenosha Pediatrics	6125 Green Bay Road, Kenosha
12	Sheridan Medical Complex	8400 Sheridan Road, Kenosha

a A hospital is defined as a place that provides 24-hour nursing/medical care to diagnose and treat short-term illnesses and/or injuries.

b The Kenosha Medical Center Campus also contains Children’s Hospital of Wisconsin-Kenosha within the same structure. Children’s Hospital of Wisconsin-Kenosha is contained within the pediatric unit of the hospital

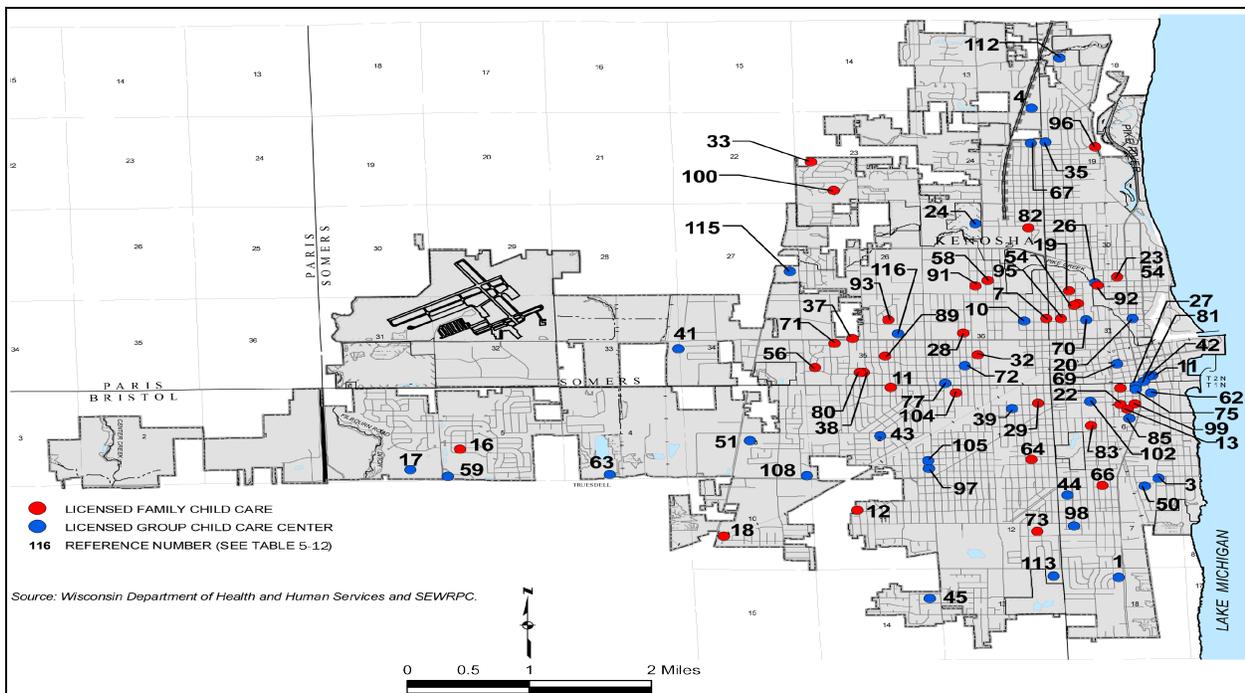
c A clinic is defined as an establishment that provides a variety of medical services by more than one physician and/or other medical personnel on an out-patient basis. Clinics limited to treating a specific type of illness are not listed.

Source: Kenosha County and SEWRPC.

Child Care Facilities

In 2006, there were 51 licensed family child care centers, 63 licensed group child care centers, and two (2) licensed day camps in Kenosha County. The City of Kenosha had 75 licensed child care centers, including 39 licensed group child care centers (for nine (9) or more children) and 36 licensed family child care centers (for four (4) to eight (8) children). See Map 5-14 and Table 5-12, page 21.

**MAP 5-14
CHILD CARE FACILITIES IN THE CITY OF KENOSHA: 2006**



Source: Wisconsin Department of Health and Human Services and SEWRPC.

Source: Wisconsin Department of Health and Human Services and SEWRPC.

TABLE 5-12
CHILD CARE CENTERS IN THE CITY OF KENOSHA: 2006

No. on Map 5-14	Facility Name	Street Addressa	Class	Capacity
1	A Child's Place Child Care Center	8600 Sheridan Road	Group	88
3	Allendale Academy, LLC	7507 Seventh Avenue	Group	40
4	Almost Home Academy	1760 22 nd Avenue	Group	100
7	Auntie Ginny's Daycare	4908 22 nd Avenue	Family	8
10	Books and Blocks Learning Center	2506 50 th Street	Group	25
11	Bright Beginnings Child Care	4319 60 th Street	Family	8
12	Building Blocks Day Care	7866 49 th Avenue	Family	8
13	Burton's Child Care	6337 11 th Avenue, Upper	Family	8
14	Busy Bee's Child Care Center, LLC	9918 12 th Street	Group	70
15	Cathy's Care	4505 85 th Street	Family	8
16	Children R Us	10025 69 th Street	Family	8
17	Christian Life Day Care	10700 75 th Street	Group	110
19	Color My World Family Child Care	4411 19 th Avenue	Family	8
20	Connie's Day Care, LLC	812 50 th Street	Group	115
22	Dede's Child Care	2816 22 nd Street	Family	8
23	Dream Makers Child Care Center	1003 42 nd Street	Family	8
24	Every Child's Place, Inc.	3220 30 th Avenue	Group	172
27	First United Day Care Center	919 60 th Street	Group	104
28	Glenda's Helping Hands Child Care	5112 33 rd Avenue	Family	8
29	Gloria's Gift Child Care Center	2324 63 rd Street	Family	8
32	Jeanna's Child Care	5416 31 st Avenue	Family	8
33	Jenny's House	2406 55 th Avenue	Family	8
35	Just Kid Inn Day Care Center, Inc.	1409 43 rd Street	Group	57
36	Just Kid Inn Day Care Center, Inc.	2037 22 nd Avenue	Group	93
37	Kaleck Family Child Care Center	4816 52 nd Street	Family	8
38	Kelly's Home Day Care	4712 58 th Street	Family	8
39	Kenosha YMCA – Cesar Chavez	2703 63 rd Street	Group	14
41	Kenosha YMCA CFB	7101 53 rd Street	Group	93
42	Kenosha YMCA Downtown	720 59 th Place	Group	97
43	Kenosha YMCA Forest Park	6810 45 th Avenue	Group	55
44	Kenosha YMCA Grewenow	7714 20 th Avenue	Group	36
45	Kenosha YMCA Jeffery	4011 87 th Street	Group	60
50	Kenosha YMCA Southport	723 76 th Street	Group	50
51	Kenosha YMCA Stocker	6315 67 th Street	Group	50
54	Kiddie Karousel	4700 18 th Avenue	Family	8
56	Kids Express Child Care	5702 54 th Avenue	Family	8
58	Kid's World	4217 30 th Avenue	Family	8
59	La Petite Academy – Kenosha	10320 74 th Avenue	Group	174
62	Library Square School CDC	807 61st Street	Group	48
63	Lil' Dreams, LLC	8220 75 th Street	Group	125
64	Lil' Rugrats	2509 71 st Street	Family	8
66	Little Explorers Family Daycare	7546 15 th Avenue	Family	8
67	Little Lambs Learning Center	2026 22 nd Avenue	Group	50
68	Little People University Day Care	6025 12 th Avenue	Family	8
69	Lov N Care	1115 56 th Street	Group	91
70	Lon N Care Children's Academy II	1634 50 th Street	Group	73
71	Lov N Care Children's Academy III	5109 52 nd Street	Group	102
72	Loving Hearts Family Childcare	5548 33 rd Avenue	Family	8

No. on Map 5-14	Facility Name	Street Address ^a	Class	Capacity
73	Marcoe Day Care	2515 80 th Place	Family	8
75	Montessori Children's House – Kenosha	920 61 st Street	Group	25
76	Morning Glory's Family Daycare	4605 18 th Avenue	Family	8
77	Mt. Zion Preschool	5927 37 th Avenue	Group	33
80	Nancy's House Family Day Care	4730 58 th Street	Family	8
81	Noah's Ark Christian Child Care Center	5934 Eighth Avenue	Group	120
82	One World Many Faces	2405 34 th Street	Family	8
83	Patty's Safe Haven	6611 17 th Avenue	Family	8
85	Play, Grow & Learn Child Development Center	1015 65 th Street	Group	47
89	Precious Little Children	4406 55 th Street	Family	8
91	Rachael's Playhouse	4314 31 st Avenue	Family	8
92	Regina's Funland Child Care	1404 44 th Street	Family	8
93	Rise and Shine Christian Child Care Center	4914 43 rd Avenue	Family	8
95	Shay's Care	4910 20 th Avenue	Family	8
96	Small Steps Family Child Care	1505 21 st Street	Family	8
97	St. Mary's Catholic Day Care & Preschool	7401 40 th Avenue	Group	62
98	St. Mary's Lutheran Nursery School	2001 80 th Street	Group	37
99	Sweet Dreams Child Care	6311 Tenth Avenue	Family	8
100	Teresa's Treasures	5115 29 th Place	Family	8
102	The Kidzone Child Care Center	1612 63 rd Street	Group	25
104	Tiny Tots Family Child Care	6037 35 th Avenue	Family	8
105	Trinity Cooperative Nursery School	7104 39 th Avenue	Group	21
108	Wee Care Child Development Center	5602 75 th Street	Group	112
112	Wonderful World of Kids Castle 15 th	1900 15 th Street	Group	30
113	Wonderful World of Kids Castle 22 nd	8518 22 nd Avenue	Group	30
115	Wonderful World of Kids Castle G.B.	4211 Green Bay Road	Group	50
116	X-Cite Kenosha	4212 52 nd Street	Group	44
	TOTAL			3,016

^a Street address is the center's mailing address

Source: Wisconsin Department of Health and Human Services and SEWRPC.

SUMMARY

This chapter provides inventory information on existing utilities and community facilities in the City of Kenosha. The planning recommendations set forth in the utilities and community facilities element chapter (Chapter 12), are directly related to the inventory information presented in this chapter. The following is a summary of the information in this Chapter:

- The Greater Kenosha Area (the City of Kenosha and portions of the Village of Pleasant Prairie and Town of Somers, and eastern portions of the Town of Bristol) comprise an adopted Sewer Service Plan area.
- Kenosha regulates private onsite waste treatment systems (POWTS) for any development that is not served by sanitary sewer. Development in this case applies to residential, commercial, and industrial uses. Chapter 32, “Kenosha Water Utility,” of the Kenosha Code of General Ordinances sets forth the regulations for POWTS. Between 1980 and 2006, permits were issued for seven (7) POWTS in Kenosha.
- The area of the City served by public water utilities encompassed about 14,791 acres, nine (9) percent of the County, in 2005. Users not served by a public or private water utility obtain water from private wells. See Table 5-1, page 3.

- Most of Kenosha is provided with electric power services by WE Energies. A WE Energies electric power generation facility, powered by low-sulfur coal, is located in the Village of Pleasant Prairie. WE Energies also owns and operates the Paris Generating Station, a natural gas-based plant, in the Town of Paris.
- Natural gas service is provided within Kenosha by WE Energies. ANR Pipeline Company operates an interstate system of natural gas pipelines, and provides natural gas to WE Energies. ANR Pipeline owns a major underground pipeline that runs primarily east-west through the northern portion of the City of Kenosha. The North Shore Gas Company underground natural gas pipeline runs parallel to and west of I-94 through the eastern portion of the Town of Bristol and portions of the City of Kenosha and Village of Pleasant Prairie until it connects with the ANR Pipeline in the Town of Paris. WE Energies also has underground natural gas pipelines that branch off natural gas mainline pipelines, and are located in the City of Kenosha.
- Telecommunication service providers in Kenosha include AT&T, Cingular (acquired by AT&T in 2007), Cyberlynk, Nextel, Sprint, TDS Metrocom, T-Mobile, SBC, U.S. Cellular, Verizon Wireless, Verizon North, and Time-Warner Cable, and Wisconsin Internet. Wireless antennas providing wireless cell phone service were located at 16 sites throughout Kenosha in 2005. See Table 5-2, page 6.
- Solid waste collection in Kenosha was provided by a combination of public and private services in 2006. Solid waste facilities in Kenosha include transfer stations, solid waste storage facilities, recycling facilities, processing facilities, and compost sites. Most of the solid waste collected in the City is deposited in the Pheasant Run Landfill, owned by Waste Management, Inc., in the Town of Paris. See Table 5-3, page 9.
- Government and institutional buildings in Kenosha include Federal, State, County and City offices; 24 government and institutional buildings were located in the City in 2006. See Table 5-5, page 11.
- The City of Kenosha has a municipal police department that provides service 24 hours a day, seven days a week. The Sheriff's Department also provides backup to the police department in the City. See Table 5-6, page 13.
- The Kenosha Fire Department, with seven (7) stations, served the City in 2008. There were four (4) emergency medical service (EMS) areas in Kenosha served by four (4) EMS-rescue departments in 2008. Many fire department personnel are cross-trained to provide both fire fighting, emergency medical, and/or hazardous materials handling. In addition, fire and emergency service has mutual aid agreements in place with other departments if additional equipment or personnel are needed to respond to an emergency. See Table 5-7, page 14 and Table 5-8, page 15.
- There was one (1) dispatch center (Public Safety Answering Points) in Kenosha taking emergency calls 24 hours a day.
- There were 41 public schools and 15 private schools in 2006 serving elementary and secondary grades. There were also five (5) institutions of higher learning in the County consisting of three private colleges, one public technical college, and one public university. See Table 5-9 beginning on page 17.
- There were four (4) cemeteries in the City encompassing about 78 acres in 2006. See Table 5-10, page 19. There is also one (1) cemetery in the City Growth Area, located in the Town of Somers.
- There were three (3) hospitals in the greater Kenosha area offering a full range of medical services in 2006, Aurora Medical Center—Kenosha and Kenosha Medical Center Campus in the City of Kenosha and St. Catherine's Medical Center in the Village of Pleasant Prairie. Children's Hospital of Wisconsin-Kenosha is contained within the Kenosha Medical Center Campus facility. See Table 5-11, page 20.
- In 2006, there were 36 licensed family child care centers and 39 licensed group child care centers in Kenosha. See Table 5-12 beginning on page 21.

TABLE 5-13
SUMMARY OF COMMUNITY FACILITIES IN THE CITY OF KENOSHA

Police and Sheriff	Fire and EMSa	School Districts	Cemeteries	Health Care Facilities	Child Care Facilities
City of Kenosha Police Dept.	<ul style="list-style-type: none"> ➤ City of Kenosha Fire Dept. (fire and EMS) ➤ 7 fire stations ➤ EMS at 4 fire stations 	<ul style="list-style-type: none"> ➤ Bristol School District No. 1 ➤ Central High School District of Westosha ➤ Kenosha Unified School District No. 1 ➤ Paris Joint School District 	<ul style="list-style-type: none"> ➤ 4 cemeteries; 78 acres ➤ 1 cemetery (City Growth Area); 3.7 acres 	<ul style="list-style-type: none"> ➤ 2 hospitals ➤ 6 clinics 	<ul style="list-style-type: none"> ➤ 39 group care centers ➤ 36 family care centers

a Emergency Medical Services (EMS)

Source: Kenosha County, Wisconsin Public Service Commission, local governments, and SEWRPC.

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