

# Chapter 8

## UTILITIES & COMMUNITY FACILITIES

### Utilities & Community Facilities Goal, Objectives & Policies

#### Goal

*Maintain and modify infrastructure, utilities and community facilities and services to meet existing and planned needs of the community.*

#### Objective 1

Provide Village policymakers with information needed to perform financial obligations and responsibilities, and to remain responsible stewards of public funds.

#### Policies

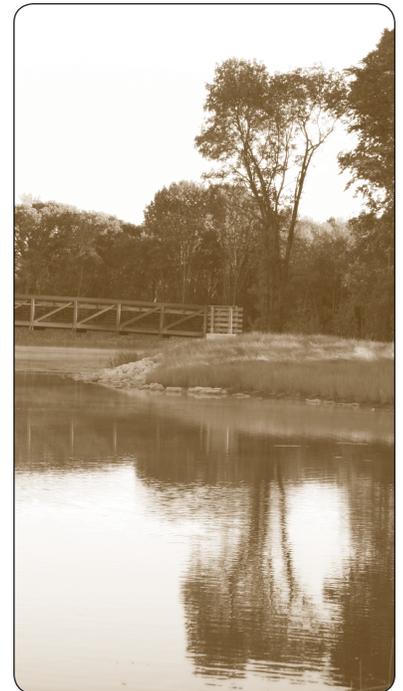
- Continue to adopt a five-year Capital Budget for the purpose of establishing schedules and priorities for all public improvement projects.
- Continue to apply municipal finances to leverage matching federal, state or regional funding.
- Continue implementation of the tax incremental finance district (TIF) to effectively manage debt capacity for large infrastructure projects.

#### Objective 2

Continue to pursue the provision of a municipal water supply and distribution system for domestic and fire protection use within the Village.

#### Policies

- Continue to plan for a phased and logical development of a municipal water system.
- Continue to explore options to establish cooperative agreements and obtain service from an existing permitted retail water utility in regional communities.
- Continue to investigate cost-efficient alternatives for water delivery and storage, such as a combined system with neighboring communities.



### **Objective 3**

Contract to the greatest extent possible with public agencies and private providers for the cost-efficient delivery of quality municipal services.

#### ***Policies***

- Continue to execute service contracts with private companies to provide recycling, solid waste handling and transporting services.
- Establish clear level of service standards, and regularly evaluate alternatives for the cost-effective delivery of services.
- On a regular basis, evaluate contracts for the delivery of service.
- Continue to work with We Energies to assure ample electrical power and a high level of service for the Village.

### **Objective 4**

Ensure that the Village's services, including Fire, Police, and Emergency Medical, have adequate staffing, facilities and equipment capacity to maintain a high level of service.

#### ***Policy***

- Continue to assess cost-effective methods that ensure a modern and operable public safety communications system is maintained.

### **Objective 5**

Ensure that the Village's utility distribution systems have adequate capacity to accommodate future redevelopment.

#### ***Policies***

- Coordinate with the Milwaukee Metropolitan Sewerage District (MMSD) and the Southeastern Wisconsin Regional Planning Commission (SEWRPC) to evaluate existing sanitary sewer capacity and ensure sufficient capacity is available in the event that higher density redevelopment occurs in the future within the downtown business district. Continue to monitor system integrity, identifying and eliminating clear water flow, inflow and infiltration into the sanitary sewer system.
- Ensure that a water distribution system, if constructed, considers demand and pressure requirements for higher density forms of development that could potentially occur in the downtown business district.

### **Objective 6**

Continue to provide adequate stormwater management facilities and utilities to provide the drainage capacity for existing and future development to protect the welfare of residents and property owners.

### ***Policies***

- Continue to emphasize provisions for capturing and retaining a portion of stormwater on-site for all new public and private development in the Village, thereby reducing flooding and enhancing water quality.
- Continue to implement a stormwater service charge for each parcel within the Village in order to support the costs incurred by the Stormwater Management Utility (Zoning Code of Ordinances Chapter 326).

### **Objective 7**

Provide adequate library services in the community.

### ***Policies***

- Continue to support the mission, long-range planning efforts and funding of the Elm Grove Library.
- Continue to support inclusion of the Elm Grove Library in the Waukesha County Federated Library System (WCFLS).
- Consider supporting recommendations of the Library long-range planning committee to increase partnerships with the Village, and increase technology and services to the community.

### **Objective 8**

Encourage public and private education providers in providing high quality education for members of the Village.

### ***Policy***

- Coordinate and communicate with the appropriate school districts on issues of mutual interest, including school facility development, impacts of new redevelopment, parks and recreation programs, school enrollment projections and school involvement in the community.

## **Existing Community Facilities**

### **Municipal Government**

General government services, including the Village Manager, Village Clerk, Finance Director, Public Works Department, Recreation Department, Building, Planning and Zoning Department and Municipal Court currently occupy the Village Hall, located at 13600 Juneau Boulevard (within the Village Park). In addition, the Village Board and all other Village boards and committees meet at Village Hall. Police, Fire and EMS Departments are located at the south end of the building and the Library is located at the northwest end. Village Hall contains two floors, with two community halls (used for various functions, including elections) on the basement level and all other services and meeting space on the main level.

Currently, Village Hall has nine (9) full-time employees, one (1) part time employee (Village Forester) and two (2) contracted employees (Assessor and Building Inspector). At this time, the Village does not anticipate hiring additional full-time staff.

## **Library**

The Elm Grove Public Library (EGL), established and supported by the citizens of Elm Grove, provides access to library facilities, resources and services necessary to meet the informational, educational and leisure needs of all people in the community. EGL assembles, preserves and administers an organized collection of print and non-print materials to fill those needs, in addition to placing special emphasis on stimulating interest and life-long appreciation for reading and learning among children and adults alike. EGL is one of 16 libraries that comprise the Waukesha County Federated Library System (WCFLS). Staff breakdown includes two full time (a Director and Assistant Director) and seven part time regular staff and seven Pages.

The EGL is located at Village Hall in the Village Park. Reading areas and tables are available for patron use in this peaceful facility.

A wide range of services and a well-maintained and updated supply of books, newspapers, magazines, video and audiocassettes, along with state of the art computer programs for reference and public use are available. Services and programs EGL offers include:

- Ability to deliver more than 1.3 million items overnight
- Ability to place holds, renew materials, and check due dates from home or office computer
- Expanded A/V library with more than 700 DVDs, over 1,000 music CDs, and additional books on tape/CD
- Audio book service, OverDrive, to download books from home or the library to a CD or MP3 player
- Reference and Information services provided in-person and by telephone
- Consumer Products Information
- Five computers available for Word-Processing and Spreadsheets, PowerPoint, Publisher
- Searchable CD-ROM Network with 4 workstations and available on all five computers
- Free high-speed internet access, wireless network
- Investment Reports, including Value Line and Morningstar
- Community Display Cases, Brochure Rack & Events Board
- Photocopier with enlarging and reducing capabilities (\$0.15 per copy)
- Interlibrary Loan
- Drive-up Material Return
- Assistive Listening Devices
- Magni-Cam for use in the library
- Cards are available to Milwaukee County residents for an annual fee of \$40
- Adult Programs
- Children's Programs & Story Times including a variety of special events in addition to regular, ongoing story times and play groups
- ADA compliance - accessible computer on adjustable desk, touchscreen, potential for voice recognition

The Friends of the Elm Grove Library (FOEGL) is an organization that was formed to help support the Elm Grove Library. FOEGL's mission is to maintain an association of persons interested in books and libraries, to focus public attention on library services,

facilities and needs and to stimulate gifting of books, magazines, desirable collections, endowments, and bequests.

The future needs of EGL are addressed by the library's long-range planning committee.

## **Police Department**

The Elm Grove Police Department (EGPD) is staffed by 17 full-time sworn officers, one part-time Tactical Medical Support Officer (TEMSO), two administrative staff and seven civilian dispatchers (six full-time and one part-time). Members of the EGPD recognize their role as the community's caretakers, 24 hours-a-day, 7 days-a-week and stand ready to assist on each and every request for service. With integrity, confidence and courtesy, personnel maintain order, prevent crime and bring offenders to justice. Current and prospective residents and businesses are encouraged to call to learn more about the EGPD and the services they provide. Officer staff is broken down as follows:

- 1 Chief
- 1 Assistant Chief
- 1 Lieutenant
- 3 Sergeants
- 11 Patrol Officers

The mission of the EGPD is to “affirmatively promote, within available resources and engaging in lawful police functions, a feeling of security and safety for every member of the community”. The EGPD is a team of dedicated professionals, committed to serve and protect the citizens of Elm Grove. Through advanced training and quality equipment, the EGPD provides a full compliment of traditional law enforcement functions as well as a number of unique services tailored to the needs of the community including the following:

### ***Police Programs***

- Bike Patrol & Bike Safety Programs
- Business & Residential Security Checks
- Citizen's Police Academy
- DARE Program
- Elm Grove Explorer Post
- Courtesy Fingerprinting
- K-9 Unit
- Speed Trailer
- Special Event Coordination
- Auto Lock-outs
- Participation in the Junior Guild's Safety Village Program
- Investigation of Issuance of Worthless Checks (many agencies will not investigate these matters and refer the citizen to a collection agency)
- Public Safety Week – Brookfield Square
- College Intern-Program
- Residential Security Notices (different than “checks”, these are notices left by patrol officers regarding unsafe security conditions)
- “No-parking” Sign Program
- Scouting Citizenship Badge Tours
- McGruff Program

- Civic Group Presentations
- Baseball Card Program
- Notary Public Services
- “Trauma” Teddy Bear Program
- Middle School Presentations (separate from DARE)
- Support to EMS – all officers are EMT-Basics with two officers as NREMT-Paramedics.

***Staffing Supply & Future Needs***

Recent evaluation of staffing levels affirmed that a staff level of 17 full-time officers is adequate to maintain the level of service expected by Village residents. Timely data from the Department of Justice demonstrated that departments operating in municipalities of a similar size population as Elm Grove have approximately 2.2 police officers for every 1,000 residents. Elm Grove’s ratio is approximately 2.6 officers per 1,000 residents.

***Shared Service Agreements***

The EGPD operates under the state statute governing mutual aid, providing assistance to other departments when requested. Conversely, other agencies provide assistance to Elm Grove when requested. The Elm Grove Police Department is a member of the Waukesha County Municipal Law Enforcement Recruitment Association (WCMLERA) and enters into a joint recruitment with the Cities of Brookfield, New Berlin and the Village of Pewaukee at specified recruitment times and based on a need to hire.

EGPD provides K-9 services to other agencies and schools and thermal imaging services to Waukesha County agencies. Waukesha County Communications Center provides back-up dispatch services to the Village.

***Fire Department***

In 1956 a group of Village residents formed the Elm Grove Volunteer Fire Department (EGVFD) to provide the Village with affordable, efficient fire protection. The EGVFD, located at Village Hall, is made up of a proficient team of fire service professionals, providing a quality service to the Village that stresses safety for residents and Department members. Through the years the Department has kept pace with changing technology in fire service by continuously upgrading volunteer training, personnel equipment and apparatuses. Each month the Department trains on a different aspect of fire service operations, ranging from Hazmat Awareness to Rapid Intervention. The EGVFD has strong relations with neighboring communities through joint training and Mutual Aid Response agreements that allow fire departments to assist each other with equipment and personnel when needed.

The Department operates 4 vehicles: a Freightliner 3600 gallon tender, a 1989 and a 1990 Pierce Lance raised cab engines and a 1998 Pierce 100’ platform truck. In 2008 the Department will obtain a Tanker and Engine.

EGVFD currently has one part-time Chief, one part-time fire inspector, 45 volunteer members and has become a paid on-call department. The department provides public education through a joint partnership with the City of Brookfield Survive Alive Program, Annual School Tours, in-class Fire Prevention Presentations, Fire Prevention Week Open House and educational birthday parties conducted at the Elm Grove Station. The Village

of Elm Grove employs a part-time Fire Inspector who conducts all State required annual inspections.

### **Emergency Medical Services**

Elm Grove Emergency Medical Service (EMS) was created by the Village of Elm Grove in 1975 as part of the Elm Grove Fire Department. The service is now an independent department providing emergency medical services around the clock to residents, business employees and visitors; Elm Grove's EMS participates in mutual aid agreements with neighboring municipalities. The EMS is staffed by the Elm Grove Police, Emergency Medical Technicians and Volunteer Ambulance Personnel. A total staffing level of 36 includes EMTs, Registered Nurses and an emergency room physician who serves as Medical Director. The ambulance routinely transports patients to four area hospitals: Elmbrook, Froedtert, Wisconsin Heart Hospital and Children's Hospital. The department owns and operates two ambulances. In 2008 an ambulance will be replaced. EMT basic classes are held at Waukesha County Technical College during fall and spring sessions.

### **Department of Public Works**

The Department of Public Works (DPW) provides residents with a variety of services including: sewer repair and maintenance, snow and ice removal, street paving and maintenance, brush pick up (seasonal), park and parkway maintenance, grass cutting and forestry. DPW also operates the Village yard waste facility and maintains all Village owned vehicles and facilities. DPW personnel provide support to the Fire Department and Emergency Medical Services by responding to emergency calls at a moment's notice during daytime hours.

DPW has eight full-time staff including one director, one lead man and six laborers. The Department of Public Works (DPW) yard is located at 900 Wall Street and is also the site of the Village yard waste facility. Three seasonal staff members are hired over the summer months. The addition of one more full-time laborer may be needed to relieve the growing work load of the Director due to increased state regulations.

#### **DPW Services:**

- As an environmental service, Village crews pick up brush on a scheduled basis three times a year. A brush schedule is included in the Village calendar that is mailed to each residence by the Elm Grove Business Association in January of each year.
- In a continual effort to recycle, DPW grinds up brush that is brought to the Village yard waste facility to provide landscaping chips for residents' use. The chips are available at no charge at the Village yard waste facility or can be delivered at no charge on a scheduled first come-first serve basis.
- DPW provides a dump truck to residents, at a fee, for the transporting of brush to the Village disposal site. This program is available from April through October.

- DPW staff is responsible for maintaining Village streets and right-of-ways. In addition, the department plows snow and salts and sands the streets and some pedestrian pathways.
- Village residents may bring brush, grass clippings and leaves to the DPW Yard (during business hours Monday - Friday 7:00 a.m. to 3:00 p.m.; the facility has seasonal Saturday and Sunday hours). In addition, the DPW Yard serves as the storage area for equipment and the location of the salt shed.

### Storm Water Management

The Village’s stormwater management system, which provides for the regulation, collection and disposal of storm and surface water discharge, provides services to all real property within the incorporated Village limits.

The Village’s infrastructure for stormwater conveyance consists mainly of roadside ditches and natural swales for drainage. The only areas of the Village with curb and gutter are along Legion Drive from Juneau Boulevard to Watertown Plank Road, along Watertown Plank through downtown (from Elm Grove Road to Crescent Drive), the Braemar neighborhood and the Squires Grove and Village Green developments. The Village maintains several drainage easements (a legal agreement with landowners that permanently protects the environmentally valuable aspects of the land, while maintaining the landowner’s restricted use of the land as defined by the agreement). All of the Village’s stormwater eventually flows into Underwood Creek (part of the Menomonee River drainage basin), which terminates in Lake Michigan.

In late 2005, the Village of Elm Grove received a Chapter 30 permit from the Wisconsin Department of Natural Resources (WDNR) to construct its flood management project. The components of the project included:

- Additional wet floodwater storage within Village Park.
- Dry floodwater storage at 1195 Legion Drive (former Legion Post property) and 13555 Juneau Boulevard (former TV John Building).
- An underground overflow culvert to divert floodwater around downtown.
- Dry floodwater storage at 12600 Bluemound Road (Sleepy Hollow Motel) and 12650 Bluemound Road (Villager Apartments).
- Removal of concrete from the bed and bank of Underwood Creek within the Village Park.



Construction of this flood management project is currently substantially complete. (This project is also addressed within Chapter 5).

In 2004, the Village Board of Trustees adopted a Stormwater Management Utility Ordinance. Through the Stormwater Management Utility, the Village may acquire, manage and finance facilities that are deemed by the Village to be proper and reasonably necessary for a system of storm and surface water management. Both residential and commercial properties pay a stormwater utility fee (residential on an annual basis and commercial on a quarterly basis), which is the primary funding source for the Village’s flood management project.

## Trash & Recycling

Refuse collection is handled by a private hauler. The hauler provides a complete range of solid waste services, including collection, transportation, disposal, and recycling. Recyclables include aluminum, glass, plastic, cardboard, newspapers, and magazines and a collection bin is provided. Yard waste is also collected and turned into landscaping materials or compost. VES will schedule pick ups for bulk items such as stoves, refrigerators, hot water heaters, and household furnishings such as recliners and sofas.

## Schools

Presently, there are four school facilities in the Village that include two public and two private educational institutions. Public education is provided by the Elmbrook School District, which presently operates six elementary schools, two middle schools, two high schools and one school dedicated to students with special needs. Of the facilities within the District, Tonawanda Elementary School (13605 Underwood Parkway) and Pilgrim Park Middle School (1500 Pilgrim Parkway) are located within the Village.

The Board of Education governs the district, setting priorities and guiding the development of school curriculum and facilities. Elmbrook Board of Education Policy Series 7000 - Sites and Facilities, addresses matters relating to the District's buildings and grounds. These policies cover evaluation of existing facility use and adequacy, planning for increases and/or decreases in physical plant needs, and the process of new construction. Future needs for the district, including the schools located in Elm Grove, would be addressed according to Elmbrook District Policy.

Currently, the multi-year broad strategic initiatives for the district, as identified by the Board of Education, consist of the following:

- Improve performance of every student and school in the district.
- Improve and sustain commitment to the mission and vision with all district stakeholders.
- Improve financial effectiveness and advance planning to sustain and improve competitive educational programs and services.
- Identify and implement continuous improvement processes in all areas of the district.
- Address high school facilities needs.

Presently there are two private K-8 schools located in Elm Grove: Elm Grove Lutheran (945 Terrace Drive) and St. Mary's School (13000 Juneau Boulevard).

## Village Parks

Elm Grove is essentially fully developed and the protection and preservation of existing natural open areas is of importance to the Village and its residents. Presently there are five Village-owned park/open space sites maintained by the Village of Elm Grove, equating to roughly 90 total acres. Please reference Chapter 5 for a narrative description of the Village parks listed below.

FIGURE 8-1: VILLAGE PARK SYSTEM, ELM GROVE

Site	Location	Acreage
Village Park	13600 Juneau Blvd.	78.96
Former Legion Post site	1195 Legion Drive	1.03
Former T.V. John site	13555 Juneau Blvd.	0.78
Southeast Detention Storage Basin	12600 and 12650 Bluemound Road (former sites of the Villager Apartments and Sleepy Hollow Motel)	8.39
Brenner Park	To the west of the intersection of Sunnyslope Road and Bluemound Road	1.19
<b>Total Acreage</b>		<b>90.0</b>

The public school district and private educational institutions also provide outdoor space that assists to meet recreational needs of residents, and contributes approximately 50 additional acres that supplement the Village’s park system. The figure below represents the existing parcel and open space acreage associated with educational institutions.

FIGURE 8-2: PUBLIC/PRIVATE INSTITUTIONS – FACILITIES, ELM GROVE

Facility Name	Parcel Size	Open Space Acres
Tonawanda Elementary	10.5 acres	5.3
Pilgrim Park Middle School	40 acres	33
St. Mary’s School	12 acres	2.1
Elm Grove Lutheran School	11 acres	8.2
<b>Total</b>	<b>73.5 acres</b>	<b>48.6</b>

Survey results from Elm Grove’s Comprehensive Outdoor Park and Open Space Plan (2005) indicated that the current services/amenities offered in the Village Park are of good quality. There were two main requests that the survey results indicated: opportunities for more winter sports and activities and a pathway system to walk and bike.

These results were taken into consideration during the planning stages during park reconstruction. Winter activities will be increased upon project completion; a sledding hill and ice skating rink will be added to the Village Park and available for use in the winter of 2007. In addition, the new pathway system will allow park users to walk, bike and cross-country ski during the winter months. The park pathway system is illustrated on Map 8.

### Recreation Programs

The Elm Grove Recreation Department was established in 1970 to manage the outdoor swimming pool activities and summer programs; in 2002, year-round programs were first offered. The mission of the Recreation Department is to improve the quality of life for all residents of Elm Grove by providing high quality parks and open spaces, facilities, programs, and special events.

The Recreation Department is part of the Village of Elm Grove local government, with oversight provided by the Parks and Recreation Committee, Village Manager and Board of Trustees. The Parks and Recreation Committee’s function is to develop and review

department policies, determine current and future park needs and address any other related issues as they arise. The Board of Trustees acts and has discretion to approve, deny or modify recommendations provided from the Parks and Recreation Committee.

The Recreation Department is run by a full-time Recreation Director who oversees all of the aquatic components, activities, and park planning and development. Approximately thirty seasonal staff are hired for summer positions, which include approximately one intern, twelve lifeguards, six pool desk attendants, four tennis instructors, five day camp counselors and three park maintenance staff. In addition, contracted instructors are used year-round for various programs such as summer sports instruction, art, dance, music, fitness, computers and CPR.

There may be a need in the future to hire additional part-time or full-time staff as programs and facilities expand.

The Recreation Department serves Elm Grove residents along with numerous Wauwatosa and Brookfield residents. The Department offers educational and recreational activities for pre-school aged children to senior citizens, many of which are conducted in the community rooms located in the basement of Village Hall.

#### ***Coordination & Collaboration with other Agencies***

The Elm Grove Recreation Department is a member of the Wisconsin Park and Recreation Association (WPRA). This association provides interaction with other municipal park and recreation departments, sponsors educational workshops and conferences, provides updates on pertinent information and produces publications relating to the field.

In addition, the Department is a member of the Southeast Park and Recreation Council (SEPRC). This council meets monthly, except during the summer, to discuss WPRA section updates, local programs and events, and new park and recreation issues or ideas.

The Elm Grove Recreation Department partners with the Wauwatosa Recreation Department for adult and senior citizen programs. This partnership was developed primarily due to decreasing enrollments within programs offered by both departments. The partnership increases recreational opportunities for area citizens, given that a wider range of classes are offered through the two departments.

The Elm Grove Recreation Department also partners with the Brookfield Parks, Recreation, and Forestry Department for special events. Brookfield and Elm Grove residents are in the same school district, yet the departments are separate. Each department runs its own activities, but there is a need to partner for special events since such activities typically target school age children and families.

Additionally, the Department partners with Sunset Playhouse in the Village of Elm Grove to jointly hold art and theatre programs. By partnering, there is an increased amount of advertising for fine art programs. The partnership also gives participants an opportunity to gain education in this area without having to attend a specialized fine arts school.

As new families move into the Village, the Department will need to continually evaluate programs and facilities to meet the residents' needs. New opportunities and ideas shall be explored in order to improve programs and facilities in order to meet the participants' needs.

## **Health Care Facilities**

Primary health care facilities are not present in the Village, although residents are served by a complete range of hospitals, clinics and health professional groups in neighboring municipalities. Elm Grove is only a short distance from Elmbrook Memorial Hospital, located in the City of Brookfield.

In addition, five other hospitals (e.g. Froedert, Wisconsin Heart Hospital and Children's Hospitals – all located approximately 3 miles from the Village) and numerous clinics in the general vicinity that provide a variety of health services for residents of the community. Other health care-related facilities include the School Sisters of Notre Dame site and two community based residential facilities (CBRFs) located in residentially zoned areas of the Village.

## **Child Care Facilities**

Four child care facilities meet the daycare needs of Elm Grove residents. Three are affiliated with churches, the Elm Grove Child Care Center of St. Edmunds Episcopal Church at 14590 Wisconsin Avenue, Mother's Day Out at Community United Methodist Church of Elm Grove at 14700 Watertown Plank Road, and Elm Grove Lutheran Child Care at 805 Terrace Drive. The third facility is Premiere Ecole Preschool Daycare at 1000 Legion Drive (See Map 10).

## **Cemeteries**

Four cemeteries are located in the Village. St. Ambrose Cemetery (located at the northeast corner of Highland Drive and Lata Vista Drive) is maintained by the Village and dates back to 1851 and is the final resting place of some of the earliest homesteaders who settled in Elm Grove. Two cemeteries are located on the grounds of the School Sisters of Notre Dame at 13105 Watertown Plank Road, one of which is maintained by St. Mary's Parish. A fourth cemetery (family plot) is located north of the Bluemound Road and Elm Grove Road intersection. At this time no new cemeteries are planned for the Village (See Map 10).

## **Public Utilities**

### **Sanitary Sewer**

Elm Grove is served by the Milwaukee Metropolitan Sewerage District (MMSD) wastewater treatment system. Established by state law, MMSD is a regional governmental agency that serves 28 communities (approximately 1.1 million people) in a 420 square-mile service area. MMSD is governed by 11 commissioners and possesses taxing authority.

The Milwaukee Metropolitan Sewerage Commission establishes and enforces District policy in compliance with statutory authority. MMSD's chief responsibilities are to provide sewage treatment services and to maintain and improve watercourses.

The MMSD was required to have prepared its 2020 Facilities Plan by June of 2007. When completed, the plan will identify facilities, programs, operational improvements, and policies required by the year 2020 to meet the existing regulatory framework and permitting requirements. As a customer of the MMSD, Elm Grove will carry out the goals, objectives and policies of the District to the greatest extent practicable.

MMSD has two wastewater treatment facilities that treat sewage and return clean, clear water to Lake Michigan. Elm Grove's sanitary sewerage is tributary to the Jones Island treatment facility, which is located on the shores of Lake Michigan in the City of Milwaukee. MMSD owns and maintains the sole interceptor in the Village of Elm Grove, which runs parallel to Underwood Creek. All sewer mains (i.e. pipes) are owned and maintained by the Village of Elm Grove. No capital improvement projects related to the Village's sewer infrastructure have been programmed through the year 2011.

### **Electricity, Natural Gas, & Power Plants**

We Energies, the trade name of Wisconsin Electric Power Co. and Wisconsin Gas LLC, serves Elm Grove's electric and natural gas needs, in addition to more than one million customers in both Wisconsin and Michigan. We Energies operates 25 power plants and delivers electricity through a network of transmission and distribution facilities to customers. We Energies maintains 40,000 miles of primary power lines and 19,924 miles of gas main. Generating capability at peak is about 6,100 megawatts (i.e. 1 megawatt equals 1 million watts).

### **Telecommunication Facilities**

Telecommunications facilities are provided by AT&T Midwest that includes local and long distance telephone service. Cellular phone service is accommodated by means of a telecommunications tower at the Department of Public Works Yard and other co-locations. Cellular providers include T-Mobile, Sprint, Verizon and AT&T.

### **Water**

Public water supply systems in Elm Grove and Waukesha County rely on groundwater as a primary source of supply. In contrast, many of the communities to the east, in neighboring Milwaukee County, utilize water from Lake Michigan that is treated and distributed via municipal systems.

Like a number of rural communities in Waukesha County, the Village of Elm Grove does not maintain a public water distribution utility or supply system. Nearly all residents and businesses in Elm Grove depend on private wells for water supply. Individual property owners typically own, condition and operate their own groundwater well systems. Historically, the quality of water extracted from private wells has been considered acceptable in some areas and less so in others.

There are also several community water systems in the Village that serve individual subdivisions and developments, and rely on higher capacity wells and limited distribution. The majority of these systems are located within the downtown business district and on properties contiguous with Bluemound Road.

Within the Milwaukee-Waukesha metropolitan region, many communities are excluded from access to Lake Michigan water since their boundaries lie west of the subcontinental divide. Although the majority of Waukesha County lies to the west of the divide, Elm Grove is situated to the east of the divide. Therefore, the Village is eligible to obtain water that originates from Lake Michigan.

Since the 1990s, there has been a growing concern over diminishing groundwater supply and quality of groundwater resources throughout Wisconsin. In particular, Waukesha County has experienced depleted groundwater supplies that have necessitated drilling

of deeper wells. As wells must be drilled deeper, the levels of organic contaminants has increased in the water.

Residents served by private wells may be at risk to waterborne disease and chemical exposure. Additionally, Village private wells that are finished in the Niagara Dolomite or Karst (fractured limestone) may be at risk to other bacterial contamination due to the porous characteristics of this geological resource.

Establishing a municipal water system in both the downtown and residential areas of the Village (with costs paid by those who receive the service) received support from a community wide household survey distributed in August 2006. Over 70% of responses indicated a favorable opinion for municipal water in the business district, while slightly more than one-half endorsed municipal water in residential areas. Due to the complexity of this issue, unforeseen planning obstacles and implementation costs, a noteworthy percentage of all responses indicated “undecided” in their opinion regarding this matter (downtown area, 12.9%; residential areas, 17.4%).

Previous investigations regarding the establishment of a municipal water utility advocate two principal options:

- (1) purchasing water from an existing source or*
- (2) acquiring groundwater through a self-contained deep well system.*

Elm Grove can purchase water from an existing water utility as a retail or wholesale customer. With a retail purchase arrangement, the existing water utility from whom Elm Grove would purchase water would own and maintain the entire water system related infrastructure within the Village. With a wholesale purchase arrangement, Elm Grove would own, operate and maintain the water system infrastructure. Infrastructure required to distribute the water supply would be constructed in phases for either alternative listed above.

In 2000 the Village undertook a comprehensive study to examine the opportunities and constraints related to the establishment of a Village-wide water supply system. The plan identified and evaluated options and infrastructure requirements, as well as costs to construct, operate and maintain a public water supply system. Alternative scenarios included combined infrastructure and water purchase from neighboring municipalities, as well as self-contained groundwater supply.

A formal recommendation of the Village Engineer (per the 2000 study) recommends the wholesale purchase of Lake Michigan water from one of the neighboring communities, such as the City of Milwaukee or Wauwatosa. Under this scenario, water supply would be regulated through a water utility.

Rather than contemplating establishment of an Elm Grove municipal water system with required attendant personnel and compliance costs, the recommendation seeks to obtain service from an existing permitted retail water utility. The purchase of water from the Milwaukee Water Works would not require the Village to develop a water treatment facility or multiple well sites within the Village. Health related groundwater quality issues, such as naturally occurring radioactivity, would not be a concern under the recommended plan.

While the costs of a municipal water supply would require significant public and private funding, usage of the system would likely remain voluntary. However, the Village would

only pursue retail water service if a sufficient number of property owners who can be served by such a system provide a commitment sufficient to cover the borrowing of funds for construction of the system.

## **Future Utilities and Community Facility Needs**

The following outlines identified needs by municipal service departments:

### **Elm Grove Library**

#### *Future Equipment Supply and Needs*

At present, the microfilm/fiche machine needs repair or replacement.

### **Police Department**

#### *Future Equipment Supply and Needs*

EGPD has seven police cars (one chief, one K-9, one Detective, one marked supervisor car, three patrol cars) and one school administrative car. In addition, one utility van was acquired through the federal sharing program at no cost. Vehicles are replaced under the current capital cycle of two cars per year.

Technology Items are replaced on a five-year cycle in accordance with the 5-year capital budget. Other non-capital items are replaced via the new equipment or operations budget, based on price and replacement cycle. Some new equipment items, such as shredders, printers, or generators are replaced through the federal sharing program at no cost (depending on availability).

At this time anticipated major projects include:

- Replacement of 911 equipment (2010)
- Trunked radio replacement for all Village radios (2011)
- Upgrade of Dispatch Center equipment (2012)
- Upgrade to Digital Radio System

#### *Existing and Future Space Requirements*

At present the space needs of EGPD are being met by current facilities. The department would like to expand the existing garage to provide in-door storage for all cars and equipment and establish a well-equipped and technologically sufficient emergency management room (separate from dispatch) for long-term events.

### **Fire Department**

#### *Future Equipment Supply and Needs*

The EGVFD looks to increase its paid-on-call staffing to a maximum of 50 members. With respect to equipment, a 2000-gallon tanker is programmed for acquisition in 2008 and a new Engine in 2010.

#### *Existing and Future Space Requirements*

There is no anticipated need for additional space during the planning period.

## Emergency Medical Services

### *Existing and Future Space Requirements*

Because of Elm Grove’s limited size and stable population, an expansion of services is not anticipated at this time and the present level of services is adequately meeting the needs of residents. The need for increased services would be reevaluated should these conditions change.

## Municipal Water

In recent years, concerns with ground water quality in the region have focused on aesthetic characteristics, bacteriological susceptibility and potential inclusion of naturally-occurring radionuclides.

Although accurate forecasts regarding groundwater quantity are difficult to forecast, a deficit in reliable production of private (residential) wells may occur in the future due to diminishing groundwater recharge at the regional level. In order for the Village to secure a sustainable potable water source in the long-term, investigation of a municipal water delivery system should remain a high priority for Village policymakers.

## Utilities & Community Facilities Implementation Strategies

Project or Action	Responsible Party	Timeframe
<b>UTILITIES &amp; FACILITIES</b>		
Ensure that the Five-year Capital Budget provides sufficient funds to support an appropriate level of maintenance for Village facilities and services.	Board of Trustees Village Staff Finance and Licensing Committee	Ongoing
Continue to apply municipal finances to leverage matching federal, state or regional funding.	Board of Trustees Village Staff Finance and Licensing Committee	Ongoing
Consider continuation of the tax incremental finance district (TIF) to effectively manage debt capacity for large infrastructure projects.	Village Staff	Ongoing
Continue to explore options for a phased and logical development of a municipal water system, and to establish cooperative agreements to obtain and store water.	Board of Trustees Village Staff Municipal Water Study Ad Hoc Comm.	Ongoing
On a regular basis, evaluate contracts for the delivery of service.	Village Staff	Ongoing
Coordinate with the Milwaukee Metropolitan Sewerage District (MMSD) and the Southeastern Wisconsin Regional Planning Commission (SEWRPC) to evaluate existing sanitary sewer capacity and ensure sufficient capacity is available in the event that higher density redevelopment occurs in the future within the downtown business district.	Village Engineer	Ongoing
Ensure an adequate level of funding for all Village government operations to meet their mission and goals.	Board of Trustees Village Staff Police and Fire Departments	Ongoing
Continue to implement existing stormwater management policies that ensure successful flood control.	Village Staff	Ongoing