

## **CHAPTER 4: Utilities and Community Facilities**

66.1001(2)(d) Wis. Stat:

**Utilities and Community Facilities element.** A compilation of objectives, policies, goals, maps and programs to guide the future development of utilities and community facilities in the local governmental unit such as sanitary sewer service, storm water management, water supply, solid waste disposal, on-site wastewater treatment technologies, recycling facilities, parks, telecommunications facilities, power-generating plants and transmission lines, cemeteries, health care facilities, child care facilities and other governmental facilities. The element shall describe the location, use and capacity of existing public utilities and community facilities that serve the local governmental unit, shall include an approximate timetable that forecasts the need in the local governmental unit to expand or rehabilitate existing utilities and facilities or to create new utilities and facilities and shall assess future needs for government services in the local governmental unit that are related to such utilities and facilities.

Adequate infrastructure, utilities, community facilities and services are important in meeting existing and future community needs. They are the framework of a community's life and without them, present day standard of living could not exist. The decisions made for the Village regarding utilities and community facilities will impact all present and future residents.

### **Section 4.1 Public Utilities Inventory**

#### **A. Sanitary Sewer Service and On-site Wastewater Treatment Technologies**

The wastewater treatment facility for the Village of Junction City is located on Center Avenue, on the south side of the Village (see Map 4.1). The system, which was constructed in 1989, includes a collection network, lift station, a circular two-channel oxidation ditch with a central final clarifier, and a sludge storage tank. The treated wastewater is discharged into a Mill Creek tributary.

The current wastewater treatment plant was constructed for a population of 825 people, with a design capacity of 108,000 gallons per day (GPD) and a daily biological oxygen demand (BOD) of 145 pounds per day. In 2003, the facility served a population of 440 people, with average monthly flows of approximately 52,822 GPD, or 48.9% of total capacity. The 2003 peak flows were recorded in April (144,000 GPD) and May (149,229 GPD); each of these represent flows approximately 25% over the design capacity. This situation was caused by a water leak nearby Kennedy Elementary school, which was fixed in June 2003. The average monthly BOD loading in 2003 was 51 pounds, which the months of April and May also had the highest daily BOD loading at 91 pounds in April and 62 pounds in May.

BOD and TSS loadings in surface water discharge from the treatment plant in 2003 occurred at levels between 18 to 27% of the limits established by their discharge permit. The Village has sufficient sludge storage capacity (>6 months) and land disposal site access (>36 months). The State of Wisconsin Compliance Maintenance Annual Report (CMAR) evaluates the treatment facility over nine different categories, and assigns a score for each part. The overall score for the Junction City facility during 2003 was 19, with a majority of the points (14) coming from the age of the facility. Scores of 0 to 70 points place the facility in the "voluntary range", meaning any change or update to the facility is controlled by the Village, and nothing is "required" at this

time. Scores of 71-120 points fall into the Departmental Recommendation Range; scores over 120 fall into the Departmental Action range.

Junction City's sewage collection system was constructed in 1989. The collection system consists of 3.6 miles of sewer lines, with pipes ranging from 8-inches to 15-inches in size.

Development throughout the Village of Junction City to date has not been limited by the location and capacity of the existing system. Extension of Village utilities throughout the community can be easily completed when development occurs. The wastewater plant, currently operating at approximately 50% of capacity, is designed to meet the treatment needs for Junction City throughout the 20-year planning period.

It is felt that the current sewer plant is adequate, but residents would like to have the system updated because of its age. The upkeep of the sewage collection and treatment system is an ongoing process, as the Village consistently replaces worn out components such as parts of the treatment plant and piping system as needed. No plans are underway for major wastewater system improvements during the current planning period.

As of the beginning of 2005, there are less than a dozen houses are not on the municipal sewer system, having individual septic systems because of their distance from the line. There are no future plans to put those residences on the system because of the cost to those residents.

#### B. Water Supply

The Village of Junction City municipal water system utilizes three wells for everyday water use. Two of the three wells are located on the western edge of the Village (see Map 4.1). Together the two main wells (each ~ 300 feet deep) produce approximately 60 gallons per minute. The third well, installed in 2001, is located outside of the Village boundary to the east, along North Limits Road. This well is 400 feet deep and produces 45 gallons per minute. A fourth, backup well, located on the west end of the Village, was filled and capped in the fall of 2003.

At the water treatment plant, chlorine and polyphosphate are added, and the water is held in a 94,000 gallon detention tank. Polyphosphate acts as a sequestering agent to hold iron and manganese in suspension. The Village currently does not fluoridate their water supply, but is considering doing so in the near future. A 50,000 gallon water tower is located in the center of the Village, which the interior was painted in July 2004.

The average daily demand for the Village is approximately 50,000 to 55,000 gallons per day, or 35 to 38 gallons per minute. The wells are drilled into granite, which is not a very productive aquifer. Groundwater flows into the wells from cracks and fissures in the granite. The Village currently has an adequate supply of water to meet resident needs, but there is no surplus of water.

As of December 31, 2002, the Junction City water distribution system consisted of 6 and 8 inch water mains. There are 5.5 miles of both metal and plastic 6-inch supply mains and both metal and plastic 8-inch distribution lines to transport water throughout the Village. The water from two main west side wells is pumped into the water treatment plant at the well site.

There are less than a dozen residential units not hooked up to public water within the Village boundary. Some of the houses outside of the sewer service area are also not hooked up to the public wells.

Map 4.1: Sanitary Sewer and Water System

### C. Storm Water Management

The Village of Junction City has a limited storm water management system. Storm water drains are only located on Main Street (USH 10). The collected water is channeled to a Mill Creek tributary, and then runs into the Mill Creek, south of the Village. The other Village streets utilize a system of ditches to handle storm water drainage.

### D. Solid Waste & Recycling Facilities

Currently the Village contracts with Superior/Onyx Waste Services out of Wisconsin Rapids, WI, rather than a Portage County service because of better rates. Pickup is for both waste and recyclable materials. Future needs are to keep reasonable rates for these services.

### E. Corporate Utilities

1. Telephone and Internet - Services in Junction City are currently offered by TDS Telecom, out of Vesper, WI, which are contracted through individual residences.
2. Natural Gas and Electric Power - Wisconsin Public Service out of Plover, WI provides gas and electric services to Village residents as well as to residences east of the Village. Alliant Energy provides electric services to residences north and west of the Village, including North Limit Road and Cty Rd G. There is no generation plant or substation located in the Village. There is a reducing station for natural gas within the Village.
3. Telecommunications - The Village requires co-locations on the cell tower owned by Sprint PCS. There is one cell tower located within the Village boundary, located on Center Avenue (Map 4.2). The railroad has a private communication tower located in the Village, however, it is for their use only.
4. Cable Television - The Village recently renewed their contract for another 10 years with H.L.M Cable out of Middleton, WI, currently their only choice for cable services.

## **Section 4.2 Community Facilities Inventory**

### A. Municipal Buildings

The Village Hall is located at 1001 Main Street. The building contains space for public meetings as well as a kitchen for food storage and cooking needs for public events. The Village Garage houses the Village's road maintenance equipment, including 2 snowplows, 1 backhoe and lawn maintenance equipment.

### B. Police Protection

Currently, the Village does not have its own police department, but utilizes the services provided by the Portage County Sheriffs Department. The Portage County Sheriff's Department provides protective services through random patrols and on a "call-out" basis. Portage County is divided into 3 districts for patrol purposes. The district in which Junction City is located is bounded by the Wisconsin River to the south, the Portage County line to the west, and STH 66 to the east. During the day shift 1 officer is assigned to each district, plus an additional officer "floats" throughout the County. During the night shift, 2 officers are assigned to each district, plus 2 additional officers float throughout the County. Officers may drive through the Village any number of times during each shift to check on businesses and residences.

The Portage County Sheriff's Department also provides a school liaison officer that puts on several programs for students at Kennedy Elementary School throughout the school year. Some of these programs include: Mr. Yuk, Stranger Danger, Counter Act (6<sup>th</sup> grade only), and a Latchkey child program. This officer visits the school once every two weeks.

### C. Fire Protection

The Village has its own fire department, housed in the Village Hall/Garage in the center of the Village, east of the railroad tracks. The Fire Chief is a salaried position; the fire fighters are volunteer, with 18 active and 6 auxiliary members. Fire fighting equipment includes:

- Three fire engines
  - 2002 GMC - holds 1,500 gallons of water and pumps 1,250 gallons per minute.
  - 1993 Sparten – holds 750 gallons of water and pumps 1,250 gallons per minute.
  - 1979 Ford 8000 – holds 2,200 gallons of water and pumps 750 gallons per minute.
- One 1978 GMC tanker truck – holds 1,500 gallons of water.
- One 1984 4-wheel drive utility truck
- Turnout gear – updates/upgrades

The Village of Junction City Fire Department participates with local fire departments in a Mutual Aid Box Alarm System (MABAS). MABAS is a system through which the Junction City Fire Department can request assistance from participating area fire departments in the form of additional equipment and fire fighters. Requests are made according to predetermined lists, called “Box cards”; each box covers a specific set of needs and equipment. Currently there are five boxes (1-5) that can be utilized at any time. These “boxes” allow fire departments to quickly request additional help when needed.

### D. Rescue

Ambulance service is provided by Portage County. The County has 4 ambulances that are staffed 24 hours a day, 365 days a year and can respond anywhere in the county in minutes. They cover approximately 810 square miles and are the only ambulance service in most of the area. The County Ambulance is operated by the Stevens Point Fire Department, with locations on Franklin Street (Station 1) and Industrial Park Road (Station 2), both in Stevens Point. Station 1 houses an engine and ladder company, a rescue squad and three ambulances, has 6-8 firefighters/EMT's and the administrative staff. Station 2 houses an engine and ambulance, and has four personnel. Between the Stevens Point Fire Department and the Portage County ambulance service, there are a total of 17 firefighters/paramedics on staff. There are also 36 full-time trained ice/ cold water rescue personnel available, of which there are at least 10 on duty 24 hours per day, 365 days per year. Rescue equipment includes:

- 6 medic trucks, including one equipped for confined space/water & ice rescue
- 1 Rescue air boat for water and ice rescue

There is also a First Responders organization for the Village. There are six responders for the Village of Junction City, four located in the Village and two located outside the Village. The two outside Junction City respond through the Village of Plover's fire department. All responders are on call at all times and carry a radio and medic kit with them. The Village has two defibrators and vehicle evacuation tools. There is a signed mutual aid for all First Responders organizations in Portage County. If one unit cannot respond to an emergency, another Village will come for assistance. When needed, Junction City uses the Jaws of Life unit from the Village of Whiting, and plans on continuing this agreement.

Map 4.2: Village Community Facilities

## E. Schools

Junction City is surrounded by several educational opportunities for residents of all ages and educational levels, ranging from elementary to college education. The Village of Junction City is located within the Stevens Point school district. Most of the primary education students attend schools at either Kennedy Elementary School, located within the Village, or at the Elementary, Middle or High schools located in Stevens Point. The remainder of the students attend school in Auburndale, approximately 13 miles west of Junction City.

### 1. Stevens Point School District

The Stevens Point Area Public School District serves the City of Stevens Point, Villages of Whiting, Plover, Park Ridge, Amherst Junction, Junction City; Towns of Linwood, Hull, Eau Pleine, Dewey, Carson, Grant, Buena Vista, Plover, Sharon, and Stockton; as well as the Wood County Towns of Milladore and Sherry.

The Stevens Point School District is the 14<sup>th</sup> largest district in the State of Wisconsin and serves a population of approximately 50,000 and employs staff of over 900. The approximate student enrollment for the 2003-2004 school year is 7400.

The Stevens Point School District consists of ten K-6 grade elementary schools, two 7-9 grade junior high schools, and one 10-12 grade senior high school and an alternative school. Three charter schools lie within the secondary schools. Three of the elementary schools are charter schools and three additional elementary schools have applied for charter status. In addition the 45-acre Boston School Forest is an educational facility used by students for environmental education programs throughout the school year.

The Stevens Point Area Public School District covers nearly 400 square miles, so transporting students is a significant activity and expenditure. During the 2002-2003 school year, the transportation department bused nearly 7,000 students to public and private schools with a fleet of 79 districted-operated and 1 contracted buses traveling 1.2 million miles. Typically, the district's annual cost for busing is about two-thirds of the state average, with a district budget of \$2.6 million.

Located in the Village of Junction City, Kennedy Elementary School is located on Second Street and is part of the Stevens Point school district. This one building school, built in 1961, houses approximately 220 students annually. The school offers education to students PreK-6. Students attend Kennedy from the Village of Junction City, the Village of Milladore, and the towns of Carson, Eau Pleine, Linwood, Milladore and Sherry. Kennedy is unique in that its attendance area extends into two counties, Portage (the bulk of the area) and Wood.

### 2. Parochial School System

The Stevens Point Area Catholic Schools (SPACS) have been educating students in Portage County for the past 130 years. Currently, 940 students are enrolled in preschool through 12<sup>th</sup> grade. SPACS currently has six schools involved in the program: four Elementary Schools: Saint Stanislaus – grades K-2, Saint Stephen – grades 3-5, Saint Bronislava – grades pre-5, and Saint Joseph early childhood – preschool and year-round childcare; St. Peter Middle School – grades 6-8, and Pacelli High School – grades 9-12.

### 3. Auburndale School District

The Auburndale School District is located just west of the Village of Junction City. Residents of the Village and surrounding area currently have the opportunity to send their children to the Auburndale school district. There has been discussion in the past of closing the Kennedy Elementary school in Junction City and it is felt that if or when this would happen, more children would attend schools in Auburndale.

The Auburndale School District consists of one of each, elementary, junior high, and high school, located in the Village of Auburndale. The elementary school houses grades PreK-6 and has 34 teaching staff. The junior high houses grades 7-9 and has 26 teaching staff and the high school houses grades 10-12 and has 29 teaching staff. The district has 17 administrative staff.

### 4. Mid-State Technical College

Mid-State Technical College (MSTC) is one of 16 publicly supported colleges in the Wisconsin Technical College System. Approximately 16,000 full- and part-time students enroll annually. MSTC offers technical training in nearly 50 careers by granting one and two-year technical diplomas and two-year associate degrees in four areas: business, health, service technologies, and technical & industrial. In addition, MSTC also awards certificates for the successful completion of a single course or a combination of courses. The Mid-State Technical College District includes full-service campuses in Marshfield, Stevens Point, and Wisconsin Rapids; a center in Adams; and several outreach sites, including in the Village of Junction City. Classes meet in the Village Hall.

### 5. University of Wisconsin-Stevens Point

UW-Stevens Point (UWSP) has approximately 8,700 students within four academic colleges: College of Natural Resources, College of Letters and Sciences, College of Fine Arts, and the College of Professional Studies. The College of Natural Resources is the largest undergraduate college of natural resources in the nation. In total, there are 100 program choices within 49 majors, plus 78 minors and 16 graduate programs. There are 400 faculty and teaching academic staff, 200 non-teaching academic staff, and 350 support staff within the school, resulting in a 20 to one student/faculty ratio. UWSP is consistently named one of the top Public Midwestern Universities-Master's in *U.S. News and World Report's* college rankings.

### 6. University of Wisconsin- Marathon County

UW- Marathon County is a 2-year UW campus and is located near downtown Wausau, consisting of the main campus building, 1 residence hall (Marathon Hall), and the UWMC Fieldhouse. Average enrollment is just over 1,000 students per year. There are 14 departments which consist of 79 teaching staff, with an average of 20 students per class. The school offers both associate and bachelor degrees.

### 7. North Central Technical College

North Central Technical College's central campus in Wausau is supported by regional campuses in Antigo, Medford, Phillips, Wittenberg, and Spencer. The college has approximately 2,450 full-time equivalent students, and approximately 18,000 people taking at least one class annually. There are 40 one- and two-year programs available at the college, which students can obtain an associate degree, technical diploma, or a technical certificate.

Map 4.3: Village School Districts

#### 8. University of Wisconsin-Marshfield/Wood County

The University of Wisconsin-Marathon/Wood County is a two-year college campus located in the City of Marshfield. The campus offers Associate of Arts and Science (AAS) Degrees, and the ability to transfer credits to 4 year campuses. The enrollment for the current year is 625 students, with an average of 24 students per class. The student/faculty ratio is 19:1. UW-Marathon/Wood County has 25 academic departments, with more than 50 fields of study, including health sciences, teaching, engineering, social sciences, business, humanities and the arts.

#### F. Health Care Facilities

There are no health care facilities of any kind in the Village. Residents have to travel to Stevens Point, Wisconsin Rapids, Marshfield, or Auburndale for all health care needs. The closest hospital is located in Stevens Point, 10+ miles to the east via USH 10.

#### G. Child Care Facilities

Junction City currently has no licensed child daycare facilities located within the Village. Other licensed Family and Group Child Care centers are present in the greater Stevens Point Area. For a complete list, contact the Regional Division of Children and Family Services at:

**2811 8th St. - Ste. 70, Wisconsin Rapids, WI 54494**  
**Phone: (715) 422-5080      Fax: (715) 422-5091**

#### H. Libraries

Junction City currently does not have a public library. The closest facilities include the Charles M. White library, affiliated with the Portage County Library system, located in downtown Stevens Point at 1001 Main Street. This is approximately ten miles from the center of the Village. The resources of the University of Wisconsin-Stevens Point library, located on the UW campus 12 miles from the center of the Village, are also available to Junction City residents.

#### I. Other Government Facilities

- The United States Post Office is located on the corner of US Hwy 10 and Church Street, on the western edge of the Village.
- There is an Army Reserve Center located on County Road G in the northwestern part of the Village.

#### J. Parks

Junction City Village Park is located on the north side of the Village. It is between 30 to 40 acres in size and contains 2 baseball diamonds, playground equipment, a picnic shelter and a Community Center used by several local organizations. There is a new Parks Board in the Village that plans on utilizing the park more in the future. There have already been new scoreboards established for the baseball diamonds.

If more residential development occurs in the newer west end subdivision near Morton and Kramer Avenues, there is the possibility that a community park may be put in. If there are a certain number of houses developed in this subdivision, the developer will allocate land for the park, which the Village will develop.

## K. Cemeteries

Junction City currently has a single cemetery within its boundary, St. Michael's Catholic Cemetery located on County Road G in the northwest part of the Village. It is 4-5 acres in size and is maintained by the church parish. This is a Catholic cemetery and has the capacity of approximately 3,200 plots.

### **Section 4.3 Utilities Issues**

- A. How much longer will it be before the Village will need to update their sewer system due to age?
- B. How can the Village ensure a continued safe drinking supply?
- C. Is it possible for the Village to get a new water tower?
- D. How can the Village maintain reasonable rates for solid waste and recycling services?
- E. How could the Village get an expanded choice of cable/Internet service for residents, including access to broadcasted local meetings?
- F. How can the Village continue to keep co-locations on nearby cell towers?
- G. The Village currently has some leaning power poles located on Main Street, which they would like to have straightened in the near future.

### **Section 4.4 Community Facilities Issues**

- A. There is no longer a community police officer for the Village. How can the Village get a community police officer back into the Village?
- B. How can there be continued recruitment and retainment of firefighters in the Village?
- C. How can the Village rescue program get funding?
- D. The school enrollment is dropping for Kennedy Elementary school in the Village. Some summer programs had to be cut because of budget cuts. How can the school remain open and viable for elementary education purposes?
- E. Their future needs/desires are to have easier access to facilities in the Village by having a satellite center open at least a few days per week.
- F. Future desires are to have a licensed day care facility available. However, residents are unsure if it would work since many residents take their children to communities where they work.
- G. The Village would like to have a Portage County library branch in the Village (in either a new or existing building), or have a Book Mobile or a Book by Mail program for the residents. A Book Mobile, was used in the past, but is no longer available.
- H. The Village Board should continue to renovate and develop the Village Park and have the current baseball diamonds utilized more, as well as have a coordinator to organize or run programs for them.

### **Section 4.5 Utilities and Community Facilities Goals, Objectives and Policies**

Goal: Plan for the provision of infrastructure, utilities, and community facilities and services to efficiently meet community needs.

Objective 1: Maintain a safe and efficient water supply and sewer system for Village residents.

Policy 1: Monitor groundwater quality and supply to ensure a safe drinking supply for Village residents.

Policy 2: Assess the need and feasibility of constructing a new water tower.

Objective 2: Set up funding and upgrade options for the wastewater treatment plant that will meet the Village's short-term and long-term needs.

Objective 3: Ensure a safe living environment for Village residents.

Policy 1: Work with Portage County to obtain a community police officer and continued recruitment of firefighters and possible funding for the rescue program for the Village.

Objective 4: Provide places and activities for the youth of the community.

Policy 1: Encourage establishing a park coordinator to help utilize the Village Park more.

Policy 2: Work with the Portage County Library to develop a County branch or a book mobile in the Village.

Objective 5: Provide for educational services in the Village, for both youth and adults.

Policy 1: Continue supporting classes offered in the Village by Mid-State Technical College.

Policy 2: Monitor enrollment of Kennedy Elementary School and communicate with the Stevens Point school district about the feasibility of keeping it open.

Objective 6: Create and protect public green space and water resources.

Objective 7: Research prices for waste and recycling disposal of local companies to keep reasonable rates for residents.

Objective 8: Share services across County or municipal borders whenever possible.

Objective 9: Provide continued service by the Village First Responder program.

Policy 1: Research available grants for funding future rescue equipment and programs.