

2016 Town of Berryville Comprehensive Plan

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Chapter 6 | COMMUNITY FACILITIES

The term community facilities describes public or semi-public buildings and services which are necessary for the health, safety, and welfare of the residents. Included under the term are schools, fire and rescue, police, parks and recreation, library, museums, post office, Town Office and facilities, public water and sewer, stormwater management, solid waste recycling, health services, and facilities for senior citizens.

As Berryville and the surrounding area grows, it will be necessary to expand public services to meet the needs of residents. Because Berryville is the county seat and major population and activity center of Clarke County, many of the community facilities for the County are located in or near the Town of Berryville. The quality of these services will influence the Town's desirability as a place to live and work, and is therefore closely related to growth and development.

This chapter will describe existing community facilities and determine whether they are adequate to meet the needs of the existing population of the area. Recommendations for expansion, improvement, or the creation of new facilities will be made so the needs of the anticipated population can be met. A map indicating the location community facilities is included in Figure 6.1.

INSERT FIGURE 6.1

Recommended changes include adding shelters, social services, parks and rec information, clarifying Cooley Campus.

SCHOOLS

The residents of Berryville and Clarke County are served by the Clarke County school system. School offices are located on West Main Street in Berryville. There are ~~five~~ **four** schools in the County; ~~four~~ **three** are in or around Berryville and the ~~fifth~~ **fourth** is in Boyce. ~~In 1998, the total enrollment in public schools was 1,913. Projected figures for the 2004-2005 school year indicate 2,102 enrolled, an increase of 189 students. Both of these numbers include children from pre-kindergarten through twelfth grade, and all special education classes.~~

~~Of the three elementary schools in the County, Boyce Elementary (K-5) is located in Boyce, Berryville Primary (K-1) is on West Main Street in Berryville, and D.G. Cooley Elementary School~~

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~~(K-5) is on Business Route 7, about 0.5 miles west of the corporate limits. The Johnson-Williams Middle School is located on Swan Avenue with an entrance at the intersection of Tyson Drive and Lincoln Avenue.~~

Berryville Primary closed in 2014 and students were moved to the former high school on Westwood Road, creating the upper and lower Cooley campus. It is anticipated that the former Primary building will be used for school administration and classroom space. The Clarke County High School, located on Mosby Boulevard, opened its doors to the first classes in the fall of 2012.

Figure 6.2: Clarke County School Enrollments

	1992	1998	2004	2015
Berryville Primary (PK-2)	175	176	241	N/A*
Boyce Elementary (K-5)	292	407	322	311
Cooley (includes PK)	354	320	365	568*
Johnson-Williams Middle School	413	430	522	445
Clarke County High School	428	580	652	738

*with the closure of Berryville Primary in 2014, PK-2 students were relocated to the Cooley Lower Campus

SOURCE: Clarke County Public Schools

~~The Clarke County High School is located on Westwood Road (Route 636) just south of D.G. Cooley Elementary. All four schools are operating above capacity and are utilizing temporary trailers as classrooms.~~

~~Efforts are continuing to be made to construct a new high school. With a budget of approximately \$33 million, the Clarke County School Board has been working with the Clarke County Board of Supervisors to determine the best location for the proposed high school. In order to avoid “school sprawl,” it would be appropriate for the new facility to be located in or close to the Town to make efficient use of water and sewer facilities and existing transportation networks. Once this project has been completed, it is anticipated that the Berryville Primary site will be used by the public schools for classrooms, administration, or both.~~

There are also two accredited private schools in Clarke County. The Powhatan School, located near Boyce, provides educational opportunities for boys and girls in ~~grades 1~~ **pre-kindergarten** through 8. The School has 19 classrooms plus a science lab, library, auditorium and gymnasium.

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An addition was completed in 2003. Powhatan has an enrollment of a ~~250~~ **243** students in ~~2004~~ **2015**, ~~an increase from 179 students in 1998. The student-teacher ratio is 8:1.~~

The Grafton School has educational facilities in Clarke County and Winchester. The school serves boys, girls, and adult clients with disabilities in three areas: emotional disabilities, mental retardation and emotional disturbance (combined), and autism. Grafton's Clarke County facility is located 2 miles east of Berryville on State Route 7. Enrollment ~~of 2-12 students in 2004~~ **2016** is ~~78~~ **83** students, with a staff of 15 teachers. ~~The Winchester facility enrolls approximately 70 students and 38 adult clients and has 17 faculty members.~~

Higher education in the immediate area is provided by Lord Fairfax Community College (**LFCC**) in Middletown and by Shenandoah University in Winchester. Lord Fairfax offers two-year programs in occupational-technical curricula and courses in college freshman and sophomore level arts and sciences. ~~The College~~ **LFCC** has Associates Degree programs in Agriculture, Liberal Arts, Education, Accounting and Business, Engineering Technology, and Electronics. They also offer continuing education classes. The ~~2004~~ **2013** enrollment is ~~4,437~~ **7,238** students ~~up from 4,437 students in 2004.~~

Shenandoah University is fully accredited, offering undergraduate, graduate and doctoral degree programs in various fields. Full-time student enrollment ~~for the 2004-2005 in the fall of 2015 school year~~ is ~~2,782~~ **3,820**, ~~up from 2,782 in 2004.~~ Its well-known Conservatory offers degrees in music, dance and theater. The Ohrstrom-Bryant Theater enables students to perform musical and theater productions in a state-of-the-art auditorium. The College of Arts and Sciences offers various degrees in the liberal arts, including science and education. The Harry F. Byrd School of Business offers programs in business, accounting and business management. The School of Health Professions awards degrees in nursing, physical therapy and respiratory care. The School of Pharmacy is a nationally-known program that offers both undergraduate and graduate programs. Shenandoah University also offers a wide variety of adult education programs and certificates that benefit the entire community.

Shenandoah University has a variety of partnerships that enables the business community and the university to work together in program development. These partnerships are crucial in supplying an educated employee base to the region.

FIRE PROTECTION

~~The John H. Enders Volunteer Fire Company and Rescue Squad is located on South Buckmarsh-~~

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~~Street in Berryville and provides fire protection and other emergency services to the Town and surrounding area.~~

~~There are three other volunteer companies in Clarke County that provide mutual aid when called upon, including the Boyce Fire Company, Shenandoah Farms Fire Company, and Blue Ridge Fire Company. Mutual aid is also available from Frederick and Loudoun counties in Virginia and Jefferson County, West Virginia.~~

Clarke County implemented a Fire and EMS Department in 2014. The Director, Frank Davis, coordinates services amongst the volunteer fire companies in Clarke County; manages career paid EMS staff; manages the fee for service program; and oversees County emergency preparedness planning and response.

There are three volunteer companies in Clarke County, John H. Enders Volunteer Fire Company and Rescue Squad; Boyce Fire Company; and Blue Ridge Fire Company. Mutual aid is also provided by Mount Weather, Frederick, Loudoun and Warren counties in Virginia and Jefferson County, West Virginia.

~~The John H. Enders Fire Company has nearly 75 members, with 30 being active volunteer members. Though the Company receives funding from both the Town and County, a large part comes through private donations and fundraising activities. The firehouse was built in 1958 and expanded in 1986. This facility is also used by the community for meetings and dinners.~~

The John H. Enders Fire Company has 79 members, 35 being active volunteer members. Clarke County provides funding for two 24-hour paid career staff who are stationed at John H. Enders Fire Department in Berryville. Though the Company receives funding from both the Town and County, a large part of their money comes from private donations and fundraising activities. The current firehouse was built in 1958 and expanded in 1986. An expanded parking lot located on the Johnson-Williams Middle School property was constructed in 2012 and accommodates off-street parking for their events.

The Company maintains a 2,000 gallon per minute (gpm) pumper, 1,250 gpm pumper and a 750 gpm pumper. Other equipment includes a 2,500-gallon gpm tanker; a four-wheel drive brush truck; a 135-foot aerial ladder truck; a four-wheel drive Suburban personnel carrier; and a boat. They also run three Advanced Life Support (ALS) capable ambulances (see “Rescue Squads” on the following page) **and an EMS response vehicle.**

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In 1998 the Town adopted a 100% personal property tax exemption on one vehicle per active member to encourage the continuance of volunteers.

In November of 2003, Insurance Services Office, Inc. (ISO) completed a Public Protection Classification Survey. ISO is the leading supplier of statistical underwriting and actuarial information for the property/casualty insurance industry. The rating is based on a complex evaluation of the John H. Enders Fire Company, Clarke County Communications, and the Town water system. A previous evaluation completed in October of 1990 resulted in an ISO classification rating of 5. The most recent evaluation reported that this Class 5 rating continues to apply **in 2015**. This indicates that fire suppression services are keeping up with the demands of a changing community.

RESCUE SQUADS

~~The rescue squad is operated under John H. Enders Fire Company. The rescue squad provides emergency medical care and emergency transport of the sick or injured for the Town of Berryville and a portion of Clarke County. The rescue squad was first organized in 1962 and is capable of handling various emergencies. The Company maintains three Advanced Life Support (ALS) capable transport units and one special emergency response vehicle for advanced life support non-transport first response. Although mostly volunteer, the squad is augmented by 24-hour career staff provided by the Town and County. The career staff responds to all calls in the County and provides assistance to other companies. The Boyce, Blue Ridge and Shenandoah Farms companies, as well as companies from Frederick and Loudoun counties in Virginia, provide mutual aid assistance.~~

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PUBLIC SAFETY AND CRIMINAL JUSTICE

The Berryville Police Department, with offices located at ~~23 East Main Street~~ **the Berryville-Clarke County Government Center**, has ~~nine~~ **eight** full-time officers and one full-time administrative assistant. ~~One officer is assigned to the department's community policing program.~~ The department has specially equipped police vehicles and a four-wheel drive. At present, equipment and personnel levels are adequate, ~~but office space is inadequate. Handicapped accessibility, the ability to secure files and evidence, and an interrogation room are some of the items that are required in a new facility.~~

Berryville and Clarke County have a mutual aid agreement for law enforcement, which allows the departments to assist one another during non-routine police emergencies.

The City of Winchester and Frederick County have joined forces with Clarke and Fauquier counties in the creation of a regional adult corrections facility. In 1998 a juvenile detention facility was constructed in the Fort Collier Industrial Park in Winchester on the same property as the Regional Jail. All persons arrested locally are taken to the Regional Facility.

All police training is currently received through the Rappahannock Criminal Justice Training Facility in Fredericksburg, Virginia with a new satellite training academy in Middletown, Virginia. The academy is a state-approved regional training center.

Clarke County Communications, located in the Clarke County Sheriff 's Office at 100 North Church Street, handles all **emergency** communications (**911**) and **radio communication** for the Berryville Police Department.

Clarke County has written an Emergency Preparedness plan to be used in case of a local emergency.

The Berryville-Clarke County Government Center is also designated as an Emergency Operations Center (EOC). The building is equipped with generators, restrooms, communications equipment, showers, and food preparation facilities.

The Red Cross has a Clarke County unit in place which is managed by its parent, the Winchester/Frederick County Chapter. The Clarke County unit reorganized in 2001 and offers disaster and transportation services and classes to members of the community.

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Johnson-Williams Middle School **and the senior center at Clarke County Parks and Recreation** are designated as emergency shelters for Clarke County. These facilities offer generators, cooking facilities for hot meals, bathrooms and space for 25 cots. Another shelter is needed for the southern part of the County.

PARKS AND RECREATION

Berryville and Clarke County provide park and recreational opportunities that serve the residents. Rose Hill Park, located on East Main Street, provides approximately 3.5 acres of park area, picnic facilities, basketball court, and a gazebo that is used for the weekly Music in the Park event, weddings, and other community events.

The Rixey Moore Playground, located in Rose Hill Park, includes equipment that meets all safety standards and is handicapped accessible. The Barns of Rose Hill, located behind Rose Hill Park, **opened as a cultural arts and visitors' center in the fall of 2009. Offering a number of concerts, films, art shows, and other events, the Barns have been an important addition to Berryville and Clarke County. The visitors' center became certified in 2015 and offers visitors information about the area.** ~~are slated to become a community center. Fundraising efforts are underway to raise money for the design and implementation of these plans. The Barns of Rose Hill, a new 501(c)3 corporation was formed in 2004 that will oversee fundraising, development, operations and maintenance of the new facility. This group will also organize the Berryville Barns Festival. The Festival, in its third year in 2004, offers arts, crafts, music, and a car show, has grown into a well-attended fundraising event.~~

The Johnson-Williams Middle School provides a football field and track (with lights), two baseball fields and three tennis courts. When not in use by students, the track and tennis courts are available to the public. ~~The Berryville Primary School in Berryville provides a playground for younger children. Clarke County High School has a lighted football stadium and track.~~

The Clarke County Chet Hobert Park is located on West Business 7 just outside the Town limits. The Park encompasses 102 acres and offers a 12,000 square-foot recreation building constructed in 1992. The building includes a full court gymnasium; an exercise room; multipurpose room; an arts and crafts room/kitchen; and restroom/shower facilities. The park also offers the following amenities:

- 25-meter outdoor swimming pool
- four picnic shelters

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- four little league baseball fields
- two softball fields
- soccer fields, including two instructional, two U-8, two U-10, one senior-size
- two-mile walking/jogging path
- six tennis courts
- a large adventure playground
- tot lot

A new regulation-size irrigated soccer field is projected to open by the fall of 2005. A walking/jogging path from the park east along Business 7 in front of D.G. Cooley Middle School was completed in 2005. This path ~~will make a connection to a temporary path on the north side of Business 7 (West Main Street) to Jackson Drive~~ **connects with the all-purpose trail developed as part of the Clarke County High School project.** ~~As the development of Battlefield Estates is completed along West Main Street, the temporary path will be abandoned and the permanent concrete sidewalk will make the much-needed pedestrian connection between downtown and the facilities to the west. It is also recommended that a bicycle/pedestrian path be constructed on the south side of West Main Street at a future date.~~

In January of 1999, the Parks and Recreation Advisory Board submitted a master plan for park upgrades to the Clarke County Board of Supervisors. ~~The proposal calls for~~ **This plan identified the need for expanding the senior center at the existing recreation center which was completed in 2012;** ~~a senior center expansion onto the existing recreation center;~~ expanded parking areas; upgraded restrooms in the Park; additional soccer fields; a skateboard/roller skate park; a full-size basketball court; three sand volleyball courts; a large lighted baseball field; and expanded pool deck and play area. Clarke County Parks and Recreation also offers a wide range of classes including exercise, arts and crafts, senior trips, and general interest programming.

Across from the Clarke County Park is the Ruritan Club grounds (Clarke County Fairgrounds) with facilities for fairs, shows, and picnics. The Clarke County Fair is held at the Fairgrounds during August. Other community events, including truck and tractor pulls, steam shows, auctions, **and** craft fairs ~~and dog shows~~, are held at this facility.

Several ~~new~~ subdivisions are including playgrounds and open space areas within their developments. The “Facilities Impact Study for the Berryville Area Plan” suggests that a second regional park on the scale of the Clarke County Park may be needed over the long term.

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LIBRARY

Berryville has had several libraries since 1929. During the period from 1958 to 1985, there was no regular library in Berryville or Clarke County. In 1984, Clarke County purchased the house at 36 East Main Street which was converted into a library **as a branch of the Handley Regional Library based in Winchester**. The 3,800 square-foot facility ~~houses housed~~ approximately 21,400 volumes including books, CD's, DVD's and audio books. **During the programming for the Berryville – Clarke County Government Center, library officials and residents discussed relocating the facility to the new building. The library moved into the Government Center in 2009. The new space is 5,000 square feet and features a child's reading room and public computer access.**

~~The Clarke County Library is a branch of the Handley Regional Library, headquartered in Winchester. Cardholders at the local library may borrow books available through the Handley Library via a remote computer terminal. A staff consisting of one full time employee, one part-time employee, and sixteen volunteers keep the library open (six mornings, two afternoons and one evening per week). There are also six volunteers who participate in special event projects. Though perhaps adequate for the 3,000 residents of the Town, the library should be expanded to meet the needs of the County that it serves. Based on American Library Association standards, to accommodate the 12,000 people in Clarke County, a library should have 24,000 volumes, requiring about 7,700 square feet of floor space. The present location has little room for expansion. It is anticipated that the library will move into the Town/County office building which is expected to be completed by 2008. The proposed space for the library is approximately 5,000 square feet.~~

MUSEUMS

The Josephine School Community Museum is located at 303 Josephine Street next to the Johnson-Williams Apartments. The museum preserves and celebrates Clarke County's African-American heritage. Originally constructed in 1882 with donations of local cash and labor, it served as an elementary school until 1930 when it was moved a short distance to become part of the Clarke County Training School. The building was used for classes until 1971 and the Museum opened in the fall of 2003. It was placed on the Virginia and National Registers of Historic Places in 1995. The museum is 1,200 square feet and offers both exhibit and meeting space.

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The Clarke County Historical Association (CCHA) operates a museum and archives in the Coiner House at 32 East Main Street in downtown Berryville. The CCHA was founded in 1939 and owns several historic properties including the Burwell-Morgan Mill and the Tollhouse in Millwood. The museum has a small exhibition area. The archives are open on Monday and Friday afternoons.

ANIMAL SHELTER

~~A new~~ The County Animal Shelter opened in the fall of 2004. Located at 225 Ramsburg Lane, the facility has 22 dog runs and room for approximately 40 cats. There are separate areas for aggressive dogs, nursing mother dogs, and small puppies. All of the kennels are inside. The shelter has two employees and offers limited hours of operation.

POST OFFICE

The Berryville Post Office is located on North Church Street in a one-story brick structure. The building was erected in 1939 and remains in good condition. A handicapped-accessible ramp was constructed in 1992. The basement of the building can also be used as a civil defense shelter. Because of the number of deliveries and the revenue generated, the Post Office is rated as a “first class facility” by the Federal Government. As the volume of mail has steadily increased over the years, the facility is barely adequate to handle the current workload. Should increased mail volume require an expansion of the facility, the Town strongly encourages that any new facility be located in downtown Berryville.

TOWN OFFICE

~~The Berryville Town Office is located on 23 E. Main Street in the center of Town. The two-story building in which the Town Office is located was constructed in 1935. The fire department was once housed in this location. It has approximately 2,050 square feet of floor space for offices and storage. Administrative services are housed on the first floor, which was renovated in 1987. The Police Department, which now uses the former Council Chamber space, occupies the second floor. There are also about 1,000 square feet of storage space in a shed attached to the rear of the building, used to store equipment and supplies.~~

~~The Town began leasing the first floor of the building at 15 E. Main Street in 1991. This space was remodeled to become the Town Council Chambers and an office for the Planning and Zoning Department.~~

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~~The present available office space in both locations is considered to be inadequate by Town-elected officials, staff and standards used to determine space needs. The increase in Town-population has necessitated additional staff and services and will continue to do so in the future.~~

Previously located in two office spaces on East Main Street, Council began researching space needs for the Town in 2003. A committee of citizens, staff and Streets and Utility Committee members met for several months in 2004 and 2005 to consider an appropriate location for a new Town office. They formed committees which reviewed site locations and identified current and future staffing and space needs. After four public input sessions and a public hearing, it was determined that the new Town/County office would be located on Chalmers Court behind Rose Hill Park. This land was purchased jointly in 2002 by the Town and County. ~~It is anticipated that the building is scheduled for completion in 2008.~~ **The Town offices, including administration, planning and zoning, and the police department, moved into the building in November of 2008. The County moved in the following year. The site added a number of public parking spaces for the facility and for the Barns of Rose Hill and visitors' center and opened up additional storefront spaces on Main Street.**

~~Not only will this site enable local government offices to remain downtown, it will add downtown parking while opening up additional retail spaces on Main Street by vacating the Town and Planning offices.~~

PUBLIC WATER AND SEWER

The provision of an adequate supply of water and the collection and treatment of sewage is a necessity for any community. In addition, an understanding of existing water and sewage treatment facilities, and their distribution or collection systems including their capacities and problem areas, is vital in planning for future growth. Though virtually any facility can be expanded given enough funding, the wise investment of resources, both in time and location, will help keep the costs of these services at a reasonable level.

Water

~~Berryville's early water supply came from a spring with two wells as backup. The spring and wells were removed from service and abandoned in 1985. Since that time, Berryville's needs have been met through a surface water treatment facility with a raw water withdrawal from~~

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~~the Shenandoah River. The Berryville Water System provides approximately 1,500 residential and commercial service connections. The average daily water production is 400,000 gallons per day, with a permitted design capacity of 864,000 gallons per day.~~

~~The water treatment plant is a filtration/sedimentation process, utilizing alum as the primary coagulant and a polyelectrolyte as an aid to filtration. Disinfection is accomplished through the addition of chlorine. As required by the Virginia Department of Health, fluoride is also added to help protect children's teeth. The facility consistently meets all State and Federal regulations for water purveyors, and is expected to continue doing so as regulations change and become more stringent.~~

~~The water distribution system consists of a network of 12", 10", 8", 4" and 2" pipes throughout the Town and in several areas in the County just outside the Town's Corporate Limits. The combined water tank capacity for use by residents of the Town of Berryville is 4,000,000 gallons.~~

~~The water distribution system is continuously undergoing upgrades through regularly scheduled line maintenance and replacement by the Town.~~

~~The Berryville Wastewater Treatment Facility consists of a comminutor, two aerated lagoons, an ultraviolet disinfection system, and various pumps for transferring the wastewater from one process to the next. The system, originally completed in 1969 and upgraded several times to meet newly imposed regulations, is capable of meeting secondary treatment standards for removal of organic contaminants. The current permitted capacity of the facility is 450,000 gallons per day. In dry weather, the facility treats an average of 300,000 gallons per day. In wet weather, the flow can reach in excess of 600,000 gallons per day.~~

~~In wet weather, excess flow is attributable to the inflow and infiltration (known as "I&I") of stormwater into the sewerage collection system. Because of this I&I, the Town is currently completing a Sanitary Sewer Evaluation Study to determine where these flow originate from. This study will enable Town staff and contractors to plan for rehabilitation of certain portions of the collection system. To insure that the treatment facility is permitted for adequate capacity during periods of wet weather, the Town is in the process of increasing its permitted capacity to 700,000 gallons per day.~~

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~~Town staff anticipates that regulations currently being formulated will necessitate additional requirements for the removal of nitrogen and phosphorous from the wastewater. These regulations may cause substantial modification of all sewerage treatment within the next five years.~~

~~**Expansion of Water and Sewer Facilities**~~

~~Where requests for new services are the result of new development, extensions of the distribution system are built in accordance with Town Construction Standards by the developer of the respective parcel.~~

~~When new connections are established on the water or sewer systems, an availability fee is collected by the Town from the applicant requesting these services. This payment compensates the Town for that capacity in the distribution, collection and treatment systems which the new connection will consume. This revenue stream enables the Town to expand facilities as necessary to accommodate growth. Revenue derived from these availability fees is placed in an independent escrow account to be used as applicable construction projects are approved. This fee serves to place the burden of financing expansion of these systems on those who create the demand for these expansions rather than the existing customers.~~

~~Consulting engineers have prepared utility system master plans for both the water and sewerage systems. In 1989, Dewberry and Davis submitted the Water Distribution System Analysis and Sanitary Sewer System for the Town of Berryville. In 1990, Dewberry and Davis wrote the Water and Sewerage Program for the development of the Berryville Area Plan. And in 1992, Dewberry and Davis submitted the Sanitary Sewer Master Plan for the Town. These documents serve as guides in planning for extensions and upgrades of the systems in the future. In addition to these master plans, the Town's consulting engineers maintain a theoretical model of the function of the water distribution system. This model is updated as the system is expanded. The model allows for prediction of how proposed extensions, or modifications to, the water system will impact the function of the entire system.~~

Water

The Town of Berryville is serviced by a surface water treatment facility with a raw water withdrawal from the Shenandoah River. The Berryville Water System provides approximately

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1,600 residential and commercial service connections. The average daily water production is 380,000 gallons per day, with a permitted design capacity of 864,000 gallons per day.

The water treatment plant is a filtration/sedimentation process, utilizing alum as the primary coagulant and a polyelectrolyte as an aid to filtration. Disinfection is accomplished through the addition of chlorine. As recommended by the Virginia Department of Health, fluoride is also added to help protect children's teeth. The facility consistently meets all State and Federal regulations for water purveyors, and is expected to continue doing so as regulations change and become more stringent.

The water distribution system consists of a network of 12", 10", 8", 4" and 2" pipes throughout the Town and in several areas in the County just outside the Town's Corporate Limits. The combined water tank capacity for use by residents of the Town of Berryville is 3,500,000 gallons.

The water distribution system is continuously undergoing upgrades through regularly scheduled line maintenance and replacement by the Town.

Wastewater

The Berryville Wastewater Treatment Facility is an advanced treatment Membrane Bioreactor utilizing two stage preliminary screening, grit removal, flow equalization, advanced activated biosolids treatment, 0,04 micron filtration, and ultraviolet disinfection. The design capacity is 0.7 MGD with a peaking factor of 2.1 MGD daily max hydraulic load. Solids management is handled by two rotary fan presses and biosolids are currently used for landfill reclamation by the Frederick / Clarke County landfill. This facility has been on line since September 2012 and consistently produces an effluent meeting stringent water quality criterion. This new system is designed to handle the Town's needs for the next twenty plus years and is designed to expand as needed in the future to accommodate growth.

The Towns wastewater is conveyed to the treatment plant through a series of underground pipes and pumping stations. The collection system is also going through continual upgrades and repairs through regularly scheduled maintenance by the Town.

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When new connections are established on the water or sewer systems, an availability fee is collected by the Town from the applicant requesting these services. This payment compensates the Town for that capacity in the distribution, collection, and treatment systems which the new connection will consume. This revenue stream enables the Town to expand facilities as necessary to accommodate growth. Revenue derived from these availability fees is placed in an independent escrow account to be used as applicable construction projects are approved. This fee serves to place the burden of financing expansion of these systems on those who create the demand for these expansions rather than the existing customers.

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PUBLIC WORKS DEPARTMENT

The Public Works Department presently consists of a director, **foreman** and seven full-time staff. ~~Approximately seventy-five percent~~ **Much** of this department's time is spent in the maintenance of the water distribution and wastewater collection systems, and providing associated customer service. This department is also responsible for the inspection of new water and sewer lines being installed for dedication to the Town as part of the land development process.

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Public Works provides maintenance of the various buildings and grounds owned by the Town, and certain support services to the Department of Utilities and the Department of Planning and Zoning. In winter, this department provides snow clearing duties on Town streets under a contract with the Virginia Department of Transportation.

The James E. O'Brien Public Works Facility is located just outside the Corporate Limits on the west side of Berryville and serves as the base of operations for this department. ~~In the future, as population increases and the utility systems expand, additional staff and equipment will be required. Of particular concern is the probability that the Town will be required to assume maintenance responsibility for Town streets from the Virginia Department of Transportation. This occurs in the Commonwealth of Virginia when a municipality's population reaches 3,500 residents. This is likely to occur in 2010 when the next census is conducted. Preparations have been underway for this transition.~~ **On July 1 of 2012, the Town assumed maintenance responsibilities for the secondary roads in the public system. VDOT continues to maintain the primary roads. An assessment of each street was completed by the Town in 2013 which has been used to identify paving and restoration priorities.**

STORM WATER MANAGEMENT

New development creates additional impervious surfaces such as buildings, roads and parking areas. These impervious surfaces are responsible for more storm water runoff into existing drainage ways.

The engineering firm of Dewberry & Davis completed a storm water study for Berryville in 1991. This study identifies existing facilities and the need and location of future upgrades to the storm water management system. A Storm Water Management Ordinance was adopted in 1997. Storm water management facilities on privately developed land after the date of adoption must be installed consistent with this ordinance. Post-development runoff shall not exceed pre-development runoff rates. A "karst adjustment factor" is applied to the storm water calculations to take into account the area's karst geology. This adjustment identifies a multiplier used in calculating storm water run-off.

In July of 2013, the Virginia Department of Environmental Quality (DEQ) took over responsibility for the state storm water management regulations from the Department of Conservation and Recreation. At that time, significant changes were made to local storm water regulations. Due to excessive costs, lack of staffing, and unmet timeframes for

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~~ordinance update requirements, both the Town and County, along with other localities in the region, “opted out” of the program which meant that the state now handles the program for local construction. This option, which was offered by the Commonwealth after the updated regulations became law, has resulted in a lack of staffing at the state level to enforce the regulations. In 2015, the state met local opposition in trying to force the localities to manage their local programming due to the cost, liability, and uncertainty surrounding the new regulations implemented by the state. Those who are engaged in land-disturbing activities over 10,000 square feet are required to submit an erosion and sediment control plan meeting the requirements of the Town’s Erosion and Sediment Control Ordinance.~~

The Town of Berryville has had a Flood Insurance Rate Map (FIRM) since 1977. This enables Town residents to obtain federal flood insurance. This map identifies the floodplain area within the Town limits. This FIRM and Section 206 of the Berryville Zoning Ordinance pertaining to the Floodplain Area were updated in May of 2002 **and the former updated again in September 2007**. The updated FIRM identifies Base Flood Elevations (BFE) within the floodplain area. The Town received a Floodplain Mitigation Study which was fully funded by the Federal Emergency Management Agency (FEMA). This study identifies possible regional stormwater management detention areas and options for future modifications to the floodplain area.

~~The Northern Shenandoah Valley Regional Commission obtained a grant from the U.S. Department of Wildlife in late 2003 for the development of a manual on Low Impact Development, or LID, best management practices with stormwater. This document, completed in late 2005, may be adopted by any of the jurisdictions in the planning district. The consultants who wrote the document identified specific practices in areas of karst geology where stormwater runoff should be handled differently than in other areas.~~

SOLID WASTE

The Town no longer operates its own solid waste collection service; the service is privately contracted. Trash is collected weekly in residential areas and twice each week in the commercial area. Bulk items are also collected. Brush is picked up once a week by the Town’s Public Works Department.

Solid waste from the Town of Berryville is deposited in the Frederick County Landfill in eastern Frederick County. The landfill, which accepts waste from Frederick County, Winchester, Clarke

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County and Berryville, has a life expectancy of about 25 additional years. **It is anticipated that a service center will be in operation by 2018 at the Perry quarry on the east side of the County.**

RECYCLING

As new landfill sites are both financially and politically expensive, it has been increasingly recognized that reducing the volume of waste generated is wiser than finding new places to put it. The Frederick County Landfill Area (which includes Berryville) exceeds Commonwealth's 25% recycling goal. The true rate is probably higher, though documentation of all efforts is difficult. The Town began weekly curbside pickup of recyclables in 1991. The service has been contracted out to the same private provider who handles the trash pickup. Commingled newspaper, aluminum, plastic and glass are accepted.

The Town's Public Works Department picks up leaves, branches and other yard waste once a week at curbside. Ideally, yard waste should be recycled to produce compost or mulch. Town residents are encouraged to actively participate in recycling as well as composting and mulching to reduce the amount of waste disposed of in the landfill.

HEALTH SERVICES

The Clarke County Health Department provides public health services for residents of Berryville. The office is located at 100 North Buckmarsh Street and is staffed by two public health nurses, two Environmental Health Specialists, and ~~two~~ supporting clerical personnel.

Services provided include inspection of the sanitary conditions of commercial operations, inspection of well water and sewage septic systems, and other environmental health programs. Personal health programs in Medicaid screening, prenatal care, immunization, WIC, pre-school health, cholesterol and blood pressure testing, and family planning are offered as well. The Clarke County Visiting Nurses Association assists in providing a variety of health care services to residents of the area.

Berryville currently has four doctors and four dentists working in Town. There are also three chiropractors practicing in the Town **and two physical therapy offices**. As there are no hospitals in Clarke County, residents are served by the Winchester Medical Center (**WMC**). The medical center currently has ~~411~~ **445** beds, with approximately 250 attending physicians. ~~The facility is considered well-equipped to provide for the medical needs of the residents of the region, including Berryville and Clarke County.~~ **WMC is the largest facility in the Valley Health System**

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which now includes six hospitals with locations in Warren and Shenandoah counties in Virginia and Morgan and Hampshire counties in West Virginia.

HOUSING AND NURSING FACILITIES FOR SENIOR CITIZENS

In Clarke County, the number of people over the age of 65 is growing faster than the general population. Therefore it is important that services for the elderly have the capability to expand to meet this growing need.

The Rose Hill Nursing Home on Chalmers Court opened in December of 1979. Rose Hill provides intermediate and skilled care with 120 beds. It operates at near capacity and has a moderate waiting list. There is also a smaller licensed home called the Godfrey House, for the aged in Berryville which provides life, or intermediate care. It has the capacity for twelve residents.

The ~~Mayfair House~~ **Greenfield facility**, which opened in early 2000, is an assisted living facility. Offering 48 rooms with a capacity of 64 residents, this facility employs two administrators, a Licensed Practical Nurse during the week, around-the-clock aides, and 24-hour on-call services.

The Johnson-Williams Apartments offer 40 units and is considered Affordable Housing for seniors 55 years of age and above. This facility was a non-profit venture between City Lights and Help with Housing. The building, located on Josephine Street, was converted from the Johnson-Williams School. This conversion was completed in 1993. The Mary Hardesty House, located in the Battlefield Estates area, is a 60-unit apartment complex for seniors that opened in December of 1998. This facility is Affordable Housing for seniors 65 years and older. Specific information on these two facilities is available in the Existing Land Use Section of this document.

A The senior center expanded into an addition at the recreation center at Chet Hobert Park. ~~The Shenandoah Agency on Aging is responsible for programming of the facility.~~ Seniors also have programs available to them at the Clarke County Parks and Recreation facility to the west of Berryville. Transportation services are provided by the Clarke County Transit Authority and the Shenandoah Area Agency on Aging. Transport for medical appointments and related trips are offered by the Clarke County American Red Cross chapter.

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SUMMARY

~~According to the Clarke County school administration, all schools are at capacity. Determining the location of a new high school is currently underway.~~

With the completion of the Clarke County High School in 2012, the closure of Berryville Primary and consolidation in to the Cooley Campus in 2014, Clarke County schools have made significant changes to accommodate current and future school populations.

Higher education opportunities are provided by Lord Fairfax Community College and Shenandoah University. These institutions offer a variety of two year, four year and adult education programs and certificates that benefit the entire community.

Services provided by the John H. Enders Fire Company and rescue squad are sufficient to meet the needs of the Town and surrounding Berryville area. The latest ISO rating ~~in November of 2003~~ indicates that fire suppression services are keeping up with the demands of a changing community.

~~At present, equipment and personnel levels in the Police Department are adequate, but office space is considered inadequate.~~

There are adequate park and recreational opportunities in the Berryville Area **for residents and visitors of all ages.** ~~Though park space may be adequate, the Town encourages development of smaller parks and/or playgrounds located in residential neighborhoods.~~

~~A new library is needed for the Town and County. Discussions with the Town are underway to consider leasing space in the proposed new Town office.~~

~~Town officials have appointed a citizen committee to review space needs for Town personnel. The proposed new Town office site is located behind Rose Hill Park on a parcel currently owned by the Town and County. This site will keep jobs in the downtown core.~~

The construction of the Berryville-Clarke County Government Center consolidated government offices and the Clarke County Library into one location while allowing residents more manageable access to bill paying, meetings and other government-related activities. This facility also offers shared parking facilities for the Barns of Rose Hill and its Visitors Center which became certified by the Virginia Tourism Corporation in 2015.

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~~Water and sewer plant facilities are considered adequate for the present population. The wastewater facility is currently undergoing the process to increase its permitted capacity. With this new permit, the Town expects new regulations for nitrogen and phosphorous removal. Compliance with the new regulations is expected in 2010.~~

Water and sanitary sewer facilities have sufficient capacities for current and future development in the Town of Berryville and the Berryville Area. The new sanitary sewer plant, which was designed to accommodate future growth per the Berryville Area Plan, came online in 2012. Town and County staff have been involved in the Water Supply Planning effort in the region.

The Town Public Works Department maintains water and sewer utilities, secondary streets within the corporate limits, and buildings owned by the Town.

Solid waste collection is satisfactory in the Town. The Town also directs a curbside recycling program that now offers once a week service through a private provider.

The Clarke County Health Department and the Winchester Medical Center provide Clarke County residents with health care.

It is important that services for the elderly in Clarke County and Berryville expand to meet the growing need. Growth designated for older people, Older Person Residential (OPR), must be monitored, however, so as not to adversely impact Emergency Service personnel and equipment beyond their capabilities.

SOURCES

Renee Weir, Clarke County Schools
Jay Arnold, John H. Enders Fire Company
David Tyrrell, Utility Director
W. Neal White, Chief of Police

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