

CHAPTER SIX

Community facilities and services is a collective term used to describe a variety of essential activities that sustain and enhance the quality of life for residents within a community. The provision of utilities, public safety programs, and facilities for public health, safety, education, and recreation are all issues that increasingly challenge local governments. Planning is essential to ensure that the provision of these services and facilities meets the future needs of the community.

The provision of community facilities and services can also be used to guide future development. One example of this might be the decision to extend water and sewer service to an area targeted for development. As an economic development tool, the adequacy of facilities and services is also an important consideration. Industrial prospects making a decision to locate in a specific community will examine the quality of resources and services of an area. On the other hand, the limited provision of utilities and other services only within incorporated areas or an “urban services boundary” can enable the community to restrict growth to certain areas where provision of these services are cost effective and promote responsible development.

Planning for the future development of facilities and services must incorporate all of the aforementioned elements. Prioritizing community facilities and services can only be accomplished by careful analysis of the existing levels of provision and projecting future needs. Decisions of who gets what, when, and where are among the most critical issues facing service providers with limited revenue and increasing costs.

This chapter addresses the following community facilities and services within the Mercer County planning area; education (schools and libraries), recreation, public health and safety (fire, police, EMS, solid waste, health), and utilities (water, wastewater).

EDUCATION

The residents of Mercer County are served by three (3) public school districts: Mercer County School District, Harrodsburg Independent School District,



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and Burgin Independent School District. Figures 6-1 shows the location of each school district, while Figure 6-2 displays information on school enrollment rates. Table 6-1 displays comparative statistical information for each school and district as compared to the State of Kentucky overall.

Mercer County School District

The Mercer County School District includes all areas of the county not within the city limits of Harrodsburg or Burgin. Schools included as part of the Mercer County School District are: Mercer County Elementary, King Middle School, and Mercer County High School. In addition the school district operates the Mercer County Alternative Learning Center for students enrolled in 4th through 12th grades.

Enrollment in the Mercer County School District has slightly increased by 164 students 7.9% over the last five (5) years (1999-2003). Average daily attendance during this time period fluctuated between 92.3% to 93.3%. On the 2001-2002 Report Card for the Mercer County School District, it is reported that the district has a 95.3% attendance rate which is higher than the state average of 94.2% and higher than the Independent School Districts for Harrodsburg and Burgin. The dropout rate for the district (1.7%) is lower than that of the state overall at 3.2% and each district. There are more students to teachers (16:1) for the district than the state overall and the other school districts. However, the student to computer ratio is 4:1 which exceeds the state ratio of 5:1 and the other districts. Although the drop out rate for the district is lower (1.7%) than the state (3.2%) and other districts, the rate of students going to college after completing high school is much lower than the state or other district. Of those graduating during the 2001-2002 school year, only 39.8% went to college, 2.9% went into the military, 41.5% went to work, 6.4% had vocational or technical training, 5.8% worked and went to school, with 3.5% categorized as "Not Successful". Specific statistics for the district and each school in the district as compared to the state and other Mercer County schools are shown in Table 6-2.

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Harrodsburg Independent School District

The Harrodsburg Independent School District encompasses a one (1) mile radius from the courthouse within the city limits and is comprised of four (4) schools: Evan Harlow Elementary School, Harrodsburg Independent Middle School, and Harrodsburg High School. In addition, the district operates the Harrodsburg Day Treatment Center which is an alternative school for middle and high school students.

Enrollment for the Harrodsburg Independent School District is reported at 912 students which is a slight decline (-6.9%) over the past five (5) years from 1999-2003. Average daily attendance during this time period has fluctuated between 90.9% to 95.4%. On the 2001-2002 Report Card for the Harrodsburg Independent School District, it is reported that the district has a 95.0% attendance rate which is higher than the state average of 94.2% and higher than Burgin Independent School District. The dropout rate for the district (3.8%) is higher than that of the state overall and the Mercer County School District. The ratio of students to teachers is equal to the state and Burgin Independent at 15:1. The student to computer ratio is equal to the state average of 5:1. Of those graduating during the 2001-2002 school year, the majority 70% went to college, 0% went into the military, 22.5% went to work, 7.5% had vocational or technical training, 0% worked and went to school, with 0% categorized as “Not Successful”.

Burgin Independent School District

The Burgin Independent School District that been at its present location since 1963. Both the Burgin High School and Burgin Elementary School are located in the same building located at 440 East Main Street. Even though grades K-12 are located within the same building, Burgin Schools are divided into three (3) individual levels: Elementary (K-5th Grade), Middle (6th-8th Grades), and High School (9th-12th Grades). The schools are located in separate areas of the building and have their own distinct bell schedule, lunch, and programs. Burgin School employs an alternative calendar for its operation. School typically begins in early August. At the end of each nine (9) week grading period, a two (2) or three (3) week break is scheduled. The breaks usually occur in early October



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(two weeks), Christmas (two weeks), and late March (three weeks). School ends the first week of June with a eight week summer vacation. It is important to note that the Wilderness Trace YMCA offers, for a fee, a day care center located on the Burgin School Campus.

Enrollment in the Burgin Independent School District has increased by 39 students or 10.3% over the last five (5) years (1999-2003). Average daily attendance during this time period fluctuated between 91.8% to 95.4%. On the 2001-2002 Report Card for the Burgin Independent School District, it is reported that the district has a 94.7% attendance rate which is higher than the state average of 94.2% and lower than the Mercer County School District and Harrodsburg Independent School District. The dropout rate for the district (4.3%) is higher than the state and other school districts. The ratio of students to teachers is less than the state and Harrodsburg Independent School District at 14:1. The student to computer ratio of 4.2:1 exceeds the state average and the Harrodsburg Independent School District. Of those graduating during the 2001-2002 school year, 56.3% went to college, 6.3% went into the military, 25% went to work, 6.3% had vocational or technical training, 0% worked and went to school, with 6.3% categorized as "Not Successful". As compared to the state and other districts, the percentage of students going to college exceeded that state average of 54% and the Mercer County School District at 39.8%.

AREA COLLEGES & UNIVERSITIES

Although there are no colleges or universities in Mercer County, there are thirty-nine (39) places of higher education within sixty (60) miles of the county. Table 6-2 lists these facilities, location, and 2002 Enrollment. The closest facility, located only ten (10) miles away, is Centre College in Danville. Centre College, founded in 1819, is a small private, co-educational, 4-year liberal arts college, which confers Bachelor of Arts and Bachelor of Science degrees.

KENTUCKY TECHNICAL SCHOOLS WITHIN 60 MILES OF HARRODSBURG

There are a total of twenty (20) vocational/technical schools within sixty (60) miles of Harrodsburg. The closest of which is Harrodsburg ATC, a Kentucky Tech secondary school (Sec), called an Area Technology Center (ATC).

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The school is operated by the Cabinet for Workforce Development. Table 6-3 lists all technical and vocational schools within sixty (60) miles of Harrodsburg.

MERCER COUNTY LIBRARY SERVICE

The City of Harrodsburg and Mercer County are served by one (1) public library. The Mercer County Public Library has been located on Lexington Street in downtown Harrodsburg since the early 1970's and in 1991 underwent extensive renovation and remodeling. The hours of operation are currently 9:00 am - 7:30 pm Monday-Thursday, 9:00 am - 5:00 pm Friday and Saturday, and 1:00 pm - 5:00 pm on Sunday. The library's collection size, as of June 30, 2003, was 71,636 volumes, with circulation for the 2002-2003 fiscal year being 177,838. In November 1995, the library initiated an automated system for cataloging and circulation. This system allows patrons to search the OPAC (online public access catalog) by title, author, subject, keyword, or Dewey Decimal classification number for all material owned by the Mercer County Public Library. Through the library's affiliation with OCLC (Online Computer Library Center in Dublin, Ohio) and the Interlibrary Loan system, the library is able to borrow materials via computer from public, academic, and special libraries across the U.S.

The library has an extensive genealogical reference library with family histories, census reports, cemetery records, marriage bonds, vital statistics, church histories, and military records. A collection of donated yearbooks from Harrodsburg High School and Mercer County High School is housed at the library. The library also has a complete collection of Draper Manuscripts on microfilm.

A variety of programming is offered for both children and adults. Children's programs include a story hour for pre-schoolers and kindergartners during the school year. A Summer Reading program is offered for preschoolers and children through the fourth grade. For children under three (3) years old, the library offers Toddler Tales and Nursery Tales. The children's librarian also conducts an outreach program to daycare centers, public and private schools, and other community events. Adults can participate in Tuesday Morning Coffees and special National Library Week activities, as well as those programs offered through the Harrodian Arts Series.

Additional services include the provision of large print books, books on



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tape, as well as an extensive Kentucky collection. There is a Bookmobile Service that travels the county year round on a two-week schedule with community, school, and individual stops. The library has a special toy collection, “Joy’s Toys”, designed for check-out for children with disabilities. The library also has exhibit areas available for a variety of displays, and meeting rooms available for community groups.

Within the last two (2) years, the library has acquired adjoining property for the purpose of expansion when feasible. Currently, the library is working with a consultant to develop a revised long range plan. The purpose of this study is to look at current trends and anticipated needs within the community, so that library services can be tailored to meet those needs.

RECREATIONAL FACILITIES

Leisure and recreation are increasingly important elements contributing to the overall quality of life in a community. Unlike other community facilities discussed in this chapter, the provision of recreational facilities and programs is not always viewed as essential. Therefore securing public funds can often be difficult. However, the citizen’s of Mercer County have a variety of opportunities for recreation. In addition the county is rich in natural resources that have recreation potential.

According to the *Legacy Plan: A Vision for the Future of Mercer County*, a study conducted by the Department of Landscape Architecture at the University of Kentucky, the county is doing well with 12.2 acres of open space per 1,000 people, since the national average is 10.5 acres per 1000 people. However, when compared to the National Parks and Recreation and Association Areas and Facilities Standards (NRPA), Mercer County needs to expand its trail systems, basketball courts, tennis courts, and playgrounds. The plan compares county facilities with NRPA standards and makes recommendations for the development of various recreational facilities. In conjunction with this study, it is recommended that the county develop a recreational master plan in the near future and incorporate/require the provision of recreational facilities as development proposals are submitted to the planning commission.

Existing recreational opportunities are listed below.

Public

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Anderson/Dean Park
Creative Playground
Lion's Club Park
Old Fort Harrod State Park
Olde Towne Park
Salt River Park
Young's Park
West Lane Park

Schools

Burgin High School and Elementary School
Harrodsburg Evan Harlow Elementary
Mercer County Elementary School
Harrodsburg High School and Elementary School
Mercer County High School
King Middle School
Central Kentucky Christian School

Private/Open

Bright Leaf Golf Course
Dix River Boat Dock
Cane Run Fishing Marina
Chimney Rock Marina
Pandora Marina
Royalty's Fishing Camp
Chimney Rock RV Park
Mercer Fish & Game Farm
Walker's Mid-Lake Marina
Cummins Ferry Campground & Marina
Bluegrass Fitness Center
Harrodsburg Baptist Church Recreational Outreach Center

Most notable is Anderson-Dean Park which is located north of the city limits of Harrodsburg on U.S. 127. The park, still under construction, contains over 200 acres and currently houses an office, outdoor swimming pool, baseball complex, four (4) soccer fields, two (2) softball fields, two (2) full-court basketball courts, two (2) volleyball courts (sand), and a 2.5 mile walking track and shelter house. In addition, the park houses the Mercer Count Senior Facility which was moved from its former location on East Broadway Street. The current master plan for the park shows the following facilities to be available once the facility is complete:

Senior League Field
Major League Field
Minor League Field
Tee Ball Field
Softball Fields (2)
Regulation Soccer Field and three (3) soccer fields for those aged 6 to 14



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Football Field
Basketball Courts
Tennis Courts
Amphitheater
Future Indoor Recreation Complex
Picnic Shelter
Playgrounds (4)
Sand Volleyball Court
Horseshoe Pits
Croquet
Reservoir
Senior Citizen Center
Hitachi Shelter
Walking/Bicycle Trails
Concession Stands and Restrooms
Small pond
Central Maintenance Facility
Park Office - Thomas Logan House

It is important to note that the Anderson/Dean Park is currently overseen by the Mercer County Parks and Recreation Board. The board was formed in 1994 and is comprised of thirteen (13) members. Six (6) of these members are appointed by the Mercer County Fiscal Court, six (6) are appointed by the City of Harrodsburg, and one (1) is appointed by the City of Burgin. Although, this committee was formed for the sole purpose of administering activity concerning the park, it is recommended that this committee expand its area of responsibility to include all recreational facilities within the county and cities. Activities would include inventorying all existing facilities, creating a recreational improvement program and linkages between facilities.

In addition, it is important to note that Mercer County plays host to the Fair and Horse Show each July. It is one of largest and oldest continually held county fairs in Kentucky. A parade, beauty contest, horse show and livestock judging are just a few of the activities featured at the Mercer County Fair and Horse Show.

Herrington Lake

Herrington Lake, located near Harrodsburg, was developed by the Kentucky Utilities Company in 1925. The Dix River Dam near Pleasant Hill is located on the 3,600 acre lake and includes facilities for fishing, boating, and swimming. In addition, several camping and fishing facilities are available near the City of Harrodsburg.

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Campgrounds and Marinas

There are three (3) campgrounds and six (6) marinas in Mercer County.

The names and locations of the campgrounds and marinas are as follows:

Cane Run Fishing Marina- 326 Cane Run Camp Road
Chimney Rock Campground and Marina - 250 Chimney Rock Road
Cummins Ferry Campground and Marina- KY Hwy 1988
Pandora Marine - KY 152
Royalty's Fish Camp- 940 Norm's Camp Road
Walker's Mid-Lake Marina- 238 Cedar Lane

Bright Leaf Resort

Bright Leaf Resort, located at 1742 Danville Road along U.S. 127, features a thirty-six (36) hole golf course, a nine (9) hole par three (3) course, pro shop, restaurant, villas, and a health spa.

Recreational Opportunities in Harrodsburg

There are numerous parks and recreational facilities available in the City of Harrodsburg. The YCMA is located in the S.E. Cooke Building at the corner of College and Broadway Streets. This building, owned by the City of Harrodsburg, houses their offices, and gymnasium. The YMCA also coordinates the local swim team and leagues for soccer, basketball, volleyball, little league football, and baseball. In addition, the YMCA offers swimming and tennis instruction, pre-school programs, and five (5) after school childcare sites. Future plans include the provision of aerobic and fitness classes in the next year and building a new facility within the next eight (8) years. The site for the new facility has not been selected.

In addition to the YMCA, facilities and services listed above, there are several parks within city limits. The most prominent is Old Fort Harrod State Park which consists of twenty-eight (28) acres and features a full-scale reproduction of the original Fort Harrod. The park also contains the log cabin where Abraham Lincoln's parents were wed, the Mansion Museum, the pioneer's cemetery, and a monument dedicated to the pioneers. The "Daniel Boone, The Man and The Legend" outdoor drama is performed at the James Harrod Amphitheater during the summer.

City parks include Lion's Park, Young's Park, West Lane Park, and Olde Towne Park. Facilities at Lions's Park include the Harrodsburg Community Center which has conference and meeting room areas accommodating up to 300 people.



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In addition to the meeting room, there are three (3) lighted tennis courts. The recreational facilities at Young Park include a picnic area with tables and grills, a shelter house which can be rented by the public and a creative playground. The facilities available at West Lane Park include a soccer field, a lighted softball field and community meeting rooms. Olde Towne Park is one of the city's newest parks and features a sculptured 14 x 32 foot cascading fountain. Another facility which provides a shelter house and picnic areas is Salt River Park. Other public and recreational facilities in Harrodsburg include an aquatic facility, several tot lots, two (2) tennis courts, and three (3) baseball diamonds located at public schools. Private recreational facilities within the city include several swimming pools, a golf course, and driving range.

School Recreational Facilities

There are a variety of recreational activities available at various schools within Mercer County. The Mercer County School District has a total of one (1) gymnasium, one (1) football field, one (1) soccer field, a band practice field, and several additional fields used for a variety of activities. The Harrodsburg Independent School District has three (3) gymnasiums, one (1) football/soccer field, four (4) tennis courts, and one (1) practice field. In addition, there is a gym, two (2) playgrounds and one (1) basketball court at Evan Harlow Elementary School. The Burgin Independent School District has one (1) gymnasium, one (1) basketball court, one (1) softball court, one (1) baseball field, and a playground.

PUBLIC PROTECTION

LAW ENFORCEMENT

Police protection for residents of Mercer County, Harrodsburg and Burgin is provided by four (4) agencies: the Kentucky State Police, Mercer County Sheriff's Office, Harrodsburg Police Department, and Burgin Police Department.

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KENTUCKY STATE POLICE

Post 7 of the Kentucky State Police Department, located in Richmond, KY at 699 Eastern Bypass, currently serves Mercer County. The department is one (1) of sixteen (16) posts in the Commonwealth and serves the eleven (11) counties of Boyle, Clark, Estill, Garrard, Jackson, Jessamine, Lincoln, Lee, Madison, Mercer, and Owsley. The Richmond Department is a full service post which enforces motor vehicle and traffic laws, performs criminal and complaint investigations, as well as coordinating the collection of information with local and federal law enforcement agencies. In addition to the thirty-three (33) troopers assigned to this post, Post 7 has six (6) detectives, one (1) arson investigator, and eight (8) sworn supervisors.

Mercer County is routinely served by three (3) Kentucky State Police Officers who patrol the county. However, in emergency situations the county would be assigned additional officers and resources.

MERCER COUNTY SHERIFF'S DEPARTMENT

The Mercer County Sheriff's Department, located at 224 South Main Street in Harrodsburg, employs one (1) sheriff, five (5) full-time deputies three (3) part-time deputies, two (2) full-time office deputies, and one (1) full-time office clerk. Department hours are from 8:00 am to 4:30 pm on weekdays; however, either the Sheriff or Sheriff's deputies are on call twenty-four (24) hours a day, seven (7) days per week. The Sheriff's office currently utilizes six (6) patrol cars. At the present time, the Sheriff's office does not have any plans for expansion or renovation of their existing building.

In addition to its law enforcement activities, the Mercer County Sheriff's Department also administers the D.A.R.E. (Drug Abuse Resistance Education) Program. They implement this program in the Mercer County and City of Burgin School District by promoting the D.A.R.E. curriculum to assist young people in resisting substance abuse. The program disseminates accurate information on marijuana, tobacco, and alcohol while demonstrating the consequences of abuse, building self-esteem, providing ways to resist and identify peer pressure and alternatives to drug abuse.



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HARRODSBURG POLICE DEPARTMENT

The Harrodsburg Police Department, located at 411 North Greenville Street, currently employs eighteen (18) police officers and has fourteen (14) patrol vehicles. The schedules of the officers are staggered so that the city has someone on duty at all times. The countywide dispatching office is located at the main police station also. The office is open twenty-four (24) hours a day to dispatch all state, county, and city police, as well as the fire and ambulance services.

In addition to law enforcement activities, the Harrodsburg Police Department facilitates transportation and shelter for transients in the county. The department also administers that DARE Program, Safety Quest (with student drivers), Neighborhood Watch, and Crimestoppers.

BURGIN POLICE DEPARTMENT

The Burgin Police Department is located at 117 South Maple Street in the Burgin Municipal Building. There is currently one (1) police officer on duty. Available equipment includes one (1) police cruiser.

FIRE PROTECTION

Adequate fire protection is an essential service within any community, often saving lives and property. Manpower, equipment, and a good emergency response system are important considerations, not only for county residents but also for prospective residents and businesses. Fire insurance ratings and the associated insurance premiums are calculated according to the level of operation of each fire department.

In Mercer County, fire protection is provided by five (5) county fire departments and two (2) city departments as shown in Figure 6-3. The Mercer County Fire Protection District is a special taxing district which covers all unincorporated areas of the county. This district is served by five (5) fire stations plus Burgin which has city and county fire departments. All fire departments are voluntary with the exception of Harrodsburg which has paid firefighters. It is important to note that the county has signed a Mutual Aid Agreement with the state to provide or receive assistance from other counties in the event of an emergency. The following is a listing of each fire department and available equipment by department.

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Mercer County Central Fire Department

The Mercer County Fire Department, established in 1954, is the most centrally located department for the county (including all volunteer fire departments) and is housed at 200 Morris Drive in Harrodsburg. The fire department has twenty-six (26) volunteers and makes approximately 185 fire runs per year. The department has an ISO rating of Class 7 and the following equipment at this location: two (2) engines, one (1) tanker, one (1) utility (grassfire) truck, one (1) rescue vehicle. The engines available in each fire department range in capacity from 750 to 1,500 gpm. The tankers range in size from 1,800 to 2,000 gallons. In addition, the department utilizes the Jaws of Life, a cascade trailer, and various other rescue equipment. As part of their community service, the department also conducts outreach activities in the local schools with the Fire Safety House which demonstrates how to safely evacuate a house in the event of a fire.

Cornishville Volunteer Fire Department

The Cornishville Volunteer Fire Department, established in 1976, is located at 3130 Cornishville Road. The department has twenty-three (23) volunteers and makes approximately twenty (20) fire runs per year. Equipment available to the department includes the following: one (1) engine, one (1) tanker, one (1) utility truck, and one (1) van. It is important to note that this fire department does not have a cascade.

Dixville Volunteer Fire Department

The Dixville Volunteer Fire Department, established in 1992, is located at 2357 New Dixville Road. There are eighteen (18) volunteer firefighters who make approximately twenty (20) fire runs per year. Equipment available to the department includes one (1) engine, one (1) tanker, and one (1) utility truck.

Salvisa Volunteer Fire Department

The Salvisa Volunteer Fire Department, founded in 1968, is located at 2357 New Dixville Road. There are twenty-one (21) volunteer firefighters which serve this department and make approximately 126 fire runs per year. Fire fighting apparatus includes one (1) engine one (1) tanker, and one (1) brushfire truck.



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Terrapin/Duggansville Volunteer Fire Department

The Terrapin/Duggansville Volunteer Fire Department, established in 1986, is located on SR1160 near Terrapin. There are twenty-one (21) volunteer firefighters which serve this department making approximately thirty-five (35) fire runs per year. Equipment available to the department includes: one (1) engine, one (1) tanker, and one (1) utility (brushfire) truck. A rescue squad is currently being formed and a vehicle approved by the Fire Board.

Harrodsburg Fire Department

The Harrodsburg Fire Department, the sole department for the city, has seventeen (17) paid firefighters and twenty-eight (28) volunteers. The major apparatus available to the department includes: a 105 ft. aerial ladder truck with a 1,250 gpm pump, a 1,250 gpm pumper, a triple combination pumper, and a 1,250 gpm squirt. In addition, the department has a mini-pumper, rescue truck (including cascade system), and two (2) officer cars. The ISO has rated Harrodsburg a Class 4 department. Total runs in 2003 exceeded 300 which included fire runs, rescue, and bomb threat response.

Burgin Volunteer Fire Department

The Burgin Volunteer Fire Department has forty (40) volunteer firefighters, twenty-four (24) of which are certified EMTs and six (6) paramedics. Due to the city's close proximity to Lake Herrington, the fire department also operates a rescue unit which includes trained divers. There are two (2) stations colocated in Burgin. One is a city station and the other a county station. The ISO Rating for the City of Burgin Fire Department is Class 6 and Class 7 for the county department. Total runs for 2003 was 227. Of this number, fifty-six (56) runs were fire related and 221 runs were rescue related. Equipment available to each department is shown below:

Burgin

City Fire Department

2 - 1,250 gpm engines
1 - 1,000 gallon tanker
1 - cascade truck
1 - rescue truck
1 mobile C.P. trailer

County Fire Department

1 - 1,250 gpm engine
1 - 1,800 gallon tanker
1 - utility truck

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ENHANCED 911

Mercer County implemented the Enhanced 911 system in 1994. Currently, there is one (1) part time employee in the office for Enhanced 911 which is located at the City Hall Annex. The primary responsibility of the Enhanced 911 Coordinator is to ensure that all residential, commercial, and industrial structures within the county are properly addressed with numbers displayed. Addressing efforts involve coordination with the post office and Bell South. A county ordinance requires each residence to have an address posted on the structure or entrance of the driveway. All posted numbers must be readable from the road.

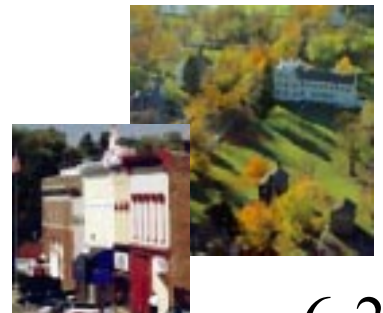
In the future it is recommended that each addressed structure in the city is identified through a Global Positioning System (GPS) in order to more accurately assign addresses. These coordinates could then be used as a basis to establish a GIS mapping system for the county.

MERCER COUNTY AMBULANCE SERVICE

The Mercer County Ambulance Service is located at 130 Commercial Drive in Harrodsburg. The service is privately owned and contracted to provide service to the county and cities. It is an advanced life support service (paramedic staffed) and is currently operating four (4) emergency vehicles. In addition to providing medical services to the community, the ambulance service performs a variety of educational services to the school systems, ride-along training to the vocational school and treatment for injuries at football games. Personnel also speak to various community organizations and offer classes. As of December 2003, the Mercer County Ambulance Service employed six (6) paramedics and fourteen (14) Emergency Medical Technicians (EMTs).

MERCER COUNTY EMERGENCY MANAGEMENT (EM)

The Mercer County Emergency Management office is located in the Mercer County Courthouse. The Emergency Management Agency employs one (1) part time person and has three (3) volunteers. This department provides a variety of services to the community including disaster planning, public education for civic groups and schools, promotes weather safety and serves as the advisor to the county's Emergency Planning Committee. The County's Emergency Management Planning



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Committee consists of twenty-two (22) people in all areas of business and government. However, the senior officials in the county (Judge/Executive and Mayors) are in charge of establishing an Emergency Operations Center and all decision making in the event of an emergency or natural disaster. Although not a primary response agency, Mercer County's EM officer coordinates the actions of the emergency response community.

In 2003, Mercer County received two (2) Homeland Security Grants. The first grant was for \$24,404 and was used to purchase a radio repeater system for fire and police services, gas masks for the ambulance service, and escape hoods for local law enforcement agencies. A second grant was applied for and approved for \$60,000. No equipment has been purchased as a budget for the grant has not yet been developed. Future plans for the Mercer County Emergency Management Agency includes building a separate Emergency Operations Center (EOC) which will house the Emergency Management office and EOC staff. The county's current EOC is located in the Mercer County Courthouse. A site has not been selected for the new building at this time.

HEALTH FACILITIES

The James B. Haggin Memorial Hospital

The James B. Haggin Memorial Hospital, managed by Alliant Management Services in Louisville, is located on Linden Avenue and is the primary health care facility located in and serving Harrodsburg and Mercer County. The hospital, formerly named Mercer General Hospital, opened at its present location in 1949. The name of the hospital changed from the Mercer County General Hospital to the James B. Haggin Memorial Hospital in 1953. This change was made in honor of James B. Haggin whose family was closely intertwined with the early history of the county.

The patient care team of the hospital treats a wide variety of illnesses and injuries including anemia, asthma, bronchitis, cancer, cardiac arrhythmias, depression, diabetes, electrolyte imbalances, emphysema, gastroenteritis, gall bladder, heart disease, hypertension, kidneys, liver, pleurisy, pneumonia, and urinary tract infections. In addition to family and general practice, the staff includes specialists in the following areas: cardiology, endocrinology, gastroenterology, general surgery, gynecology, internal medicine, neurology, orthopedics, oncology, oral and maxillofacial surgery,

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otolaryngology, pathology, pediatrics, physiatry, podiatry, pulmonary, radiology, and urology. The hospital has 59 licensed beds (including 25 acute and swing, and 34 long-term care), 47 doctors, 2 dentists, and 1 podiatrist. There are also 56 registered nurses, 24 licensed practical nurses, and 30 CNAs. The emergency department is available 24 hours per day. Outpatient clinics include cardiology, endocrinology, general surgery, orthopedics, neurology, podiatry, and gynecology.

The goals of the patient care team are continuous quality improvement, revenue enhancement, cost effective management, community development, and progressive human resource management. To achieve these goals, the patient care team not only performs a variety of medical and surgical services but volunteers many hours of community service to non-profit agencies and other community projects. A new wing of the hospital will open in October of 2004 to replace the operating rooms, emergency and radiology departments.

Mercer County Health Department

Harrodsburg and Mercer County are served by the Mercer County Health Department which is located at 900 North College Street in Harrodsburg. The health department, originally established in 1938 on East Office Street, moved to North Greenville Street until May 1996 when it relocated to its present location. The Mercer County Health Department serves as a medical clinic and is staffed by four (4) full time clerks, one (1) part-time doctor, five (5) registered nurses, one (1) part-time LPN, one (1) part-time advanced registered nurse practitioner, two (2) health educators, two (2) home visitors, and one (1) full-time environmentalist. The administrative staff consists of one (1) director and two (2) administrative assistants. The department's current building houses an auditorium, ten (1) examining rooms, doctor and nurse rooms, an x-ray room and a sanitation (environmentalist) office.

The health department offers a variety of general services, women's services, children's services, diabetes control, tuberculosis screening, health education, vital statistics, sexually transmitted diseases, H.A.N.D.S. (home visiting program), and a Women, Infants, and Children (WIC) Program which is federally funded. In addition, they offer some environmental programs such as public food services, on-site waste disposal, rodent and varmint control, rabies and nuisance control, radon testing, and private water supply testing.



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Alice G. Ransdell Community Comprehensive Care Center

The Alice G. Ransdell Community Comprehensive Care Center is located at 124 East Office Street in Harrodsburg. This outpatient office serves as the main office for the entire Mercer County team of the Bluegrass Regional Mental Health-Mental Retardation Board which is based in Lexington. A wide variety of services are offered including the following: assessment and screening; individual therapy; group therapy; substance abuse assessment and treatment; crisis intervention; case management for chronically mentally ill adults, and psychiatric care to clients of all ages. These services are available to help Mercer County residents cope with many life circumstances. As a community based center, the Comprehensive Care Center actively seeks opportunities to cooperate with local agencies and organizations throughout Mercer County and makes referrals to other programs in the community as needed. Other locations serving Mercer County are the RISE, CTP, and Sunquest Programs located at 712 Perryville Road in Harrodsburg, the Unity House at 212 South College Street, Rainbow House at 222 East Lexington Street, and Crisis Stabilization Unit located 710 Perryville Road. The Comprehensive Care Center also operates a after hours crisis line (1-800-928-8000) for emergency mental health services. The crisis line is available on holidays and weekends and after 5:00 p.m. during the work week.

PUBLIC UTILITIES

WATER SERVICES

Harrodsburg and Mercer County are served by four (4) public water distribution systems: the Harrodsburg Municipal Water Department, the North Mercer Water District, Lake Village Water Association, and Burgin Water Department. Only Harrodsburg operates a water treatment facility. North Mercer Water District, Lake Village Water Association, and City of Burgin purchase treated water from Harrodsburg. Figure 6-4 shows the location of rural water lines in Mercer County.

Harrodsburg Water Department

The City of Harrodsburg is a regional water supplier which provides water service to all of Mercer County (including North Mercer Water District and Lake

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Village Water District). The city's 4.0 MGD water treatment plant is located on the Kentucky River approximately five (5) miles east of town. With the exception of the new Bay West elevated water storage tank, constructed in the year 2000, the City of Harrodsburg has not made any significant improvements to its water treatment plant, transmission/distribution system and/or storage system since the late 1970's.

The City of Harrodsburg uses the Kentucky River as its source of raw water supply for its existing 4.0 MGD water treatment plant. At the present time, it is estimated that the Kentucky River provides Harrodsburg with an unlimited water supply. However, it is important to note that the river does experience occasional periods of less than optimum raw water quality (periods of high turbidity after significant rainfall events, periods of higher than normal organic loadings, and occasional "spill events").

The city's current average daily water pumpage is approximately 2.7 MGD, peak month pumpage is 3.0 MGD +/- and peak day pumpage is 3.65 MGD +/- . The city is in the process of conducting a two (2) phase water system improvement program. Phase I of the program was completed in 2003 and addressed the city's most critical needs for water treatment, transmission, and storage. The Phase II Water Treatment Plant Expansion/Upgrade (4.0 MGD to 6.0 MGD) is currently planned as a future (2007/2008) project. A review of historical water production data indicates that average daily and peak daily pumpage have both increased by approximately 1 MGD during the time period of 1990 - 2000. From review of this data, it has been suggested that the City of Harrodsburg should plan for expansion/upgrade of its existing water treatment plant (from 4.0 MGD to 6.0 MGD) in the next five (5) +/- years.

Improvements completed as a part of the **Phase I** (2002/2003) improvements program include the following:

Water Plant Upgrading Improvements

- Replacement of existing gravel support media, and anthracite filter media in four (4) existing filters.
- Installation of a new EPDM membrane roof on the existing water plant filter building.
- Repair/replacement of existing settling basin baffles.
- Replacement of existing motor starters for 2 -400 H.P. raw water pumps and 2 -200



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H.P. high service pumps.

-Construction of an additional earthen backwash/solids handling sludge lagoons.

Water Transmission/Storage Improvements

-Construction of a 25,300 L.F. "By-Pass 20-inch transmission main to provide a looping reinforcing main on the north, east, and south sides of the city. The proposed main will tie the existing 12" and 20" treated water transmission mains from the water treatment plant to the existing storage facilities on the north side of the City of Harrodsburg as well as the proposed new tank which is to be constructed on the south side of the City of Harrodsburg.

-Construction of a 7,000 L.F. "Southern Loop" 12" transmission main to provide looping reinforcing connections to tie the proposed "Bypass" transmission main to the existing 8" mains on the south side of the city.

-Construction of a 2,000 L.F. "Cornishville Road Loop" 8" transmission main to eliminate an existing hydraulic bottleneck in the city's existing distribution system which is also a master meter feed point for one of the city's wholesale customers (North Mercer Water District).

-Construction of a new 1.0 MG elevated water storage tank on the south side of the City of Harrodsburg.

Based upon current trends and projections, the City of Harrodsburg will need to expand its existing raw water intake and water treatment facilities in the next five (5) +/- years. The existing dual 12" and 16" raw water mains and the existing dual 12" and 20" dual treated water transmission mains which deliver treated water to Harrodsburg are adequately sized to convey to proposed expanded water plant capacity of 6.0 MGD. The proposed water treatment plant expansion from 4.0 MGD to 6.0 MGD will also need to address current and anticipated regulatory changes in drinking water standards.

Proposed **Phase II** (2007/2008) future water treatment plant expansion/upgrading improvements as recommended by GRW Engineers include the following:

Raw Water Intake Pumping Improvements

-New 6.0 MGD Low Service (Submersible) Pumps & Motor Starters

-New 6.0 MGD Raw Water Second Stage (Vertical Turbine) Pumps

-Second Stage Pumping Station Valve Improvements (New pump control valves,

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new surge control valves).

-Raw Water Pump Well Sludge Removal Improvements

Plant Expansion/Upgrade (4.0 MGD to 6.0 MGD)

-New Chemical Feed Facilities

-New Chemical Mix Basin

-New 6.0 MGD Ballasted Flocculation/Sedimentation Basins (Actiflo)

-Upgrade “Old” Settling Basins to Second Stage Settling

-Expand Filter Building, Construct two (2) New Filters

-Upgrade Four (4) Existing Filters (valve operators, rate controllers, head loss gauges)

-Add Baffles to Existing Clearwell Capacity

-Construct Additional Clearwell Capacity

-Upgrade High Service Pumps (Pump Control Valves & Surge Relief Valves).

-Upgrade Plant Instrumentation

-Upgrade/Expand Solids Processing/Disposal Facilities

North Mercer Water District

The North Mercer Water District, which obtains water from the City of Harrodsburg, was formed in November of 1965. The office for the North Mercer Water District can be found in Salvisa at 108 Main Street off of Old U.S. 127. The water district currently employs three (3) state certified Class II-D operators and serves four (4) counties: Mercer, Washington, Anderson, and Boyle. Since commencing operation, the district has grown over 400 percent with more than ninety percent (90%) of the roads within the district’s service area having water service. At the end of 1995, the district had 289 miles of water line. The Mercer County portion of the water district includes about eighty percent (80%) of the unincorporated areas. The district’s boundaries extend north with the Salt River and are adjacent to Harrodsburg on the west and north sides following a line parallel to and one (1) mile north of Lexington Road (U.S. 68) to the Kentucky River. Areas



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receiving North Mercer Water District service are shown in Figure 6-4. The district's 3,883 customers are listed as follows:

Table 6-6

Customer Type	Mercer	Washington	Anderson	Boyle	Totals
Residential	3,504	240	7	27	3,778
Commercial	68	2	0	0	70
Industrial	2	0	0	0	2
Other	39	2	1	1	43
Totals	3,613	244	8	28	3,893

Presently the water district has five (5) tanks with various capacities. One (1) tank is located about one (1) mile south of Salvisa on the eastern side of U.S. 127, another is located in Mayo, the third tank is located on the southern side of McCoskey Pike approximately three quarters of a miles east of U.S. 127, the tank located in Rose Hill has been replaced with a tank of greater capacity, and the fifth tank is on Cardwell Road.

The North Mercer Water District purchased an average of 728,491 gallons of water per day from Harrodsburg in 2003. Water rates charged by the district are currently being increased as follows:

	Current Rate	Proposed Rate	% Change
First 1,000 gallons	\$10.50 Min. Bill	\$10.56 Min. Bill	0.57%
Next 2,000 gallons	\$4.36 per 1,000 gallons	\$4.42 per 1,000	1.38%
Next 2,000 gallons	\$4.10 per 1,000 gallons	\$4.16 per 1,000	1.46%
Next 5,000 gallons	\$3.89 per 1,000 gallons	\$3.95 per 1,000	1.54%
Next 10,000 gallons	\$3.73 per 1,000 gallons	\$3.79 per 1,000	1.61%

When new development occurs in the North Mercer County Water District, the district will extend the equivalent of fifty (50) feet of water line per customer at no charge, however, beyond this point, the individual or developer must pay for the full cost of extending the lines. Tap-on fees in the district are \$650.

Lake Village Water Association

In 1971, the Lake Village Water Association began its service to customers in south Mercer and northern Boyle Counties. The Lake Village Water Association Office is located north of Burgin on U.S. 33 and employs two (2) Class II-D State Certified Operators. Locations in Mercer County served by the Lake Village Water Association include Bright Leaf, Bushtown, Curdsville, Paradise Camp, Lakeview

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Point, Herrington Woods, Chimney Rock, Hagers Camp, Kingfish Camp, Rose Camp, Dry Branch Road, Buster Pike, Ison Lane, Trails End, Cane Run Camp Road, Shawnee Run Road, Curdsville Road, and Webb Road.

When the Water Association was first established they only had a single standpipe on Shakertown Road. However, the Water Association completed the erection of a second 250,000 gallon elevated water storage tank on Montgomery Lane in 1994 and a third 200,000 gallon water storage tank on Lake Village Drive in 1997. The Water Association's seven (7) metering points are as follows:

<i>Supplier</i>	<i>Location</i>
Danville	U.S. 127 one mile north of Danville Bypass
Danville	KY33 @ Danville Bypass
Danville	Water Works Road
Danville	Intersection of Bluegrass Parkway and Lockland Lane
Harrodsburg	Moore Lane @ Handy Pike
Harrodsburg	Near the Harrodsburg Water Treatment Plant
Harrodsburg	U.S. 68 & Dry Branch Road

In 2003, the Lake Village Water Association purchased water daily from Danville and Harrodsburg. It is anticipated that water rates will increase in February 2004, although the specific amounts have not been determined. As of January 2004, the rates in effect for water service are as follows:

First 1,000 gallons per month	\$14.20 minimum bill
Next 2,000 gallons per month	\$ 5.58 per 1,000 gallons
Next 2,000 gallons per month	\$ 5.08 per 1,000 gallons
Next 5,000 gallons per month	\$ 4.62 per 1,000 gallons
Next 10,000 gallons per month	\$ 4.26 per 1,000 gallons

The Lake Village Water Association has just completed the extension of approximately one (1) mile of water line along U.S. 68 from Phillips Lane West. This improvement, funded by the Mercer County Fiscal Court, is complete with the exception of the issuance of permits from the Division of Water and Encroachment Permits from the Department of Transportation. The Water Association has also applied for funding of another water line extension from the Harrodsburg Water Plant on KY 33 cross country to Shaker Village. This extension, expected to be complete in Fall 2004, will also follow U.S. 68 from Shaker Village to A.T. Dean Road, Caanan Road, and Coghill Lane. The project has been divided into two (2)



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phases with a total estimated project cost of \$1,355,000. Of this amount, \$450,000 will be funded with Phase I Tobacco Settlement money with the remaining \$905,000 in funds being provided by Rural Development.

Burgin Water System

According to the Mercer County Water and Sewer Plan, the City of Burgin utilized a spring-fed water supply and had its own water treatment facilities and storage until the year 1958. In this year, the city began to purchase treated water from the Harrodsburg system. Burgin's master meter is located near the intersection of Handy Road with Bailey Lane. At this location Burgin ties into both of Harrodsburg's water supply lines with a single eight (8) inch in diameter line to connect to the Harrodsburg Water Treatment Plant on Ky 33. The two (2) Harrodsburg water lines to which Burgin connects are a twelve (12) and twenty (20) inches in diameter. Even though the Lake Village Water Association water system surrounds the city water system, there are no connections to Burgin.

The Burgin water distribution and storage components were upgraded in 1990 when they received a \$434,000 HUD Grant and FmHA loan financing to erect a 200,000 gallon elevated water storage tank. Since 1990, many additions and improvements have been made and Burgin no longer relies solely upon Harrodsburg's pumping or water storage to provide pressure for the water system. It is important to note that the city just received a STAG Grant in the amount of \$100,000 to repair and repaint its existing water storage tank. It is estimated that these improvements will begin in April of 2004.

Burgin presently has 482 water customers, 459 of which are residential with the remaining twenty-three (23) being commercial or institutional. Of the total customers, it is estimated that twenty-three (23) reside outside of city limits. Burgin has a single State Certified Class I-D Water Class I-D Distribution Operator. The city's policy on new service to developing subdivisions is that the developer must install water lines and fire hydrants to the city's specifications and that all installations shall meet the approval of the city's inspector.

The following schedule of water rates has been in effect since 1999.

First 100 cubic feet	\$7.38 (minimum bill)
Next 400 cubic feet	\$4.38 per 100 cubic feet (\$17.52)
Next 500 cubic feet	\$4.08 per 100 cubic feet (\$20.40)
Next 1,000 cubic feet	\$3.54 per 100 cubic feet (\$35.40)

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Next 2,000 cubic feet	\$3.24 per 100 cubic feet (\$64.80)
Next 6,000 cubic feet	\$2.88 per 100 cubic feet (\$172.80)
Next 10,000 cubic feet	\$2.34 per 100 cubic feet

However, it is important to note that the city is planning to raise these rates in the near future.

WASTEWATER

Harrodsburg's water and sewer utilities operate as a direct function of city government, which is of the mayor/commission form. One of four (4) city commissioners serves as the water/sewer commissioner and has a leadership function in respect to these utilities. However, the commissioner's actions are subject to the approval by the full City Commission. The Commission has recently established and filled the position of Chief Administrative Officer in order to have one person oversee the day-to-day operations of the city.

The City of Harrodsburg owns and operates a 2.68 MGD Wastewater Treatment Plant which has a wet weather capacity of 5.32 MGD. The plant is currently operating at an average dry day flow of 1.079 MGD, and an average wet-weather flow of 1.679 MGD. The peak daily flow recorded from January 1998 to June 1999 was 3.8 MGD. The Harrodsburg Wastewater Treatment Plant, operating under NPDES Permit No. KY 0027421, is located on the northwest side of the city, north of Cornishville Road. The thirty (30) acre site is situated near the confluence of Town Creek with the Salt River. All sewage from the city flows to the northwest through a 27" diameter pipeline before going into the Wastewater Treatment Plant. Originally constructed in the early 1980's the plant provides preliminary, primary, secondary, tertiary, disinfection, dechlorination, post-aeration, and sludge handling treatment processes. The City of Harrodsburg has a staff of five (5) to operate and maintain the wastewater plant and collection system.

It is important to note that the Harrodsburg Wastewater Treatment Plant received a Notice of Violation in April 1998 which was the result of an inspection in December of 1997. The Notice of Violation described the Violations as "Failure to Comply with KPDES Permit Conditions; failure to properly operate and maintain the wastewater treatment system; and failure to report spills and bypasses. The specific deficiencies noted from the Division of Water's review of Discharge



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Monitoring Reports and Monthly Operational Reports from January 1995 to December 1997 are as follows:

1. Biomonitoring has failed for the months of April, June, July, September-November 1995.
2. pH was below the minimum requirement in February 1995.
3. Fecal coliform was not reported on the DMR for the months of June and November 1996.
4. Ammonia Nitrogen exceeded the maximum during February 1997.
5. Monitoring frequency does not meet permit requirements of three (3) times per week.
6. Flows have exceeded the design capacity of the plant on several days.

The entire wastewater system was placed on sewer sanction on February 11, 1998, allowing no sewer connections without prior approval of the Division of Water. The City entered into an Agreed Order with the Division of Water in September of 1998, and had met all the requirements and deadlines included in the Agreed Order as of December 30, 1999.

In addition to the city's Wastewater Treatment Plant (WWTP), there eleven (11) package treatment plants which are permitted under the KPDES Kentucky Pollutant Discharge Elimination System Branch of the Division of Water, Natural Resources and Environmental Protection Cabinet. The package treatment plants in Mercer County are as follows:

Package Treatment Plants

Location	KPDES No.	Average Daily Flow
Ben Dor LLC Grocery/ Restaurant	KY0100595	310 Gallons/Day
Brightleaf Resort	KY0079251	Unavailable
Brightleaf Estates Subdivision	KY0040835	2,167 Gallons/Day
Brightleaf North Homeowners Assoc.	KY0075027	2,727 Gallons/Day
Burgin Independent School District	KY0040231	8,137 Gallons/Day
Chimney Rock Camp	KY0092631	1,600 Gallons/Day
Greenview MHP	KY0075272	3,100 Gallons/Day

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Keystone Brush & Contact Company	KY0031844	4,000 Gallons/Day**
Paradise Condo. Co.	KY0086550	1,791 Gallons/Day
Shakertown Pleasant Hill	KY0040151	3,011 Gallons/Day
Village Inn Restaurant	KY0027499	Unavailable

**Now Closed

Wastewater disposal for all other residents and businesses within the Planning Area is handled by individual septic tank and drain field systems, with several different forms of treatment being used. These are an estimated 400 households within the sewer planning area that utilize on-site wastewater treatment systems. It has been observed that these are failing or are inadequate. County officials suspect that there are a number of straight-line pipe discharges as well. There are no definite numbers of these situations but the study estimates as many as 40 to 60 on-site systems are inadequate, and that approximately 50 to 75 homes have straight-pipe discharges.

It is important to note that the City of Harrodsburg maintains an Industrial Pretreatment Program regulated by the State of Kentucky. The City has six (6) permitted dischargers: Bay West Paper, Corning Glass, Hitachi, Hallmack Site, County Landfill Leachate, and Modine Climate Systems. The Harrodsburg Wastewater System has zero (0) industrial dischargers that directly utilize their collection system. All Industrial flow is required to be pre-treated, then received final treatment at the Harrodsburg Wastewater Treatment Plant.

In January 2000, a Wastewater Facilities Plan Update was conducted for the City of Harrodsburg by GRW Engineers. The purpose of this study was to evaluate the planning area's wastewater treatment needs. The planning area's original Facility Plan was more than twenty (20) years old and an updated document was needed. In addition, the study was necessary in order for the city to address chronic overflow problems throughout the main collection system. At the time of the update, the city was under an Agreed Order by the Division of Water to accomplish major improvements to the system in order to eliminate the overflows. This study investigated and analyzed the projected flows and alternatives for collecting and treating those flows while accomplishing the elimination of overflow occurrences.

For the purpose of the study, the Harrodsburg Planning Area encompasses approximately 39,700 acres. This boundary was determined by a committee which



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consisted of the Mayor of Harrodsburg, Mercer County Judge/Executive, City Commissioners, Health Department Officials and Citizens. The committee worked with GRW Engineers, Inc. and the Planning Section in the Facilities Construction Branch of the Division of Water during the planning process. Factors that affected the determination of the planning area boundaries included: the physical and topographical barriers imposed by the river and terrain; the projected land use and development plans; existing development in the area; and the planning committee's estimates of location and timing of development. The original planning area boundary encompassed the cities of Harrodsburg and Burgin as well as numerous unincorporated communities. The revised boundary has been extended to the east and north to include existing or planned development. The eleven (11) package treatment plants which are located in the planning area are estimated to be eliminated within the twenty (20) year planning period. Current plans are to serve the City of Burgin and surrounding areas by pumping sewage to the Harrodsburg Wastewater Treatment Plant. This project is included in the 11-20 year phase.

Projected wastewater flows from the Harrodsburg Planning Area were based on the City of Harrodsburg and Mercer County Land Use Plans and on the estimated future population of the area. Residential flows were calculated based on the Land Use designation of light to high density in designated areas. Commercial and industrial flows were estimated according to the Future Land Use designations. The rates of development for the various phases were estimated by assuming a percentage of development of the total acreage of each service area. Wet weather flows were estimated by assuming a reduction in I/I upon completion of the system rehabilitation, and then an increase over the next years.

Harrodsburg Planning Area Projected Wastewater Flows (MGD)

	Existing	Total 0-2 yrs.	Total 3-10 yrs.	Total 11-20 yrs.
Residential	0.91	1.32	3.13	4.50
Commercial	–	1.14	0.64	0.75
Industrial	0.17	0.18	0.33	0.40
Average Dry Weather	1.08	1.64	4.10	5.65
Wet Weather	2.70	2.40	2.80	2.80
Peak Flow	3.61	4.10	10.25	14.13

Future alternatives for serving the planning area were evaluated on the basis

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of environmental impact, implementability, and the cost analysis of each. The selected alternatives for the planning area are as follows:

Collection System

The selected alternative for the remediation of the collection system is to install a new interceptor and regional pump station and extend gravity collectors to eliminate pump stations. This alternative has a slightly higher present worth cost, but ranks the best for environmental impact and implementation capability. This alternative fulfills the immediate needs of the existing service area while providing for expansion of the system. It will enhance the planning area by providing service to existing on-site sewage systems and future areas of development.

Wastewater Treatment Plant

The study concludes that there is not a need for expansion of the Wastewater Treatment Plant within the next several years. The alternatives that were evaluated were those that would address 2002 year wastewater treatment and maintenance issues. Therefore, the alternative recommended by the study was to replace or upgrade essential process equipment. These tasks will satisfy the requirements of the regulatory agency for several years. At the point in time when flows have increased substantially, and plant expansion is needed, the alternatives for that expansion will thoroughly evaluated and analyzed.

SOLID WASTE MANAGEMENT

An effective system of solid waste management is imperative to protect the public health and environment in Mercer County. Solid waste is generated by households, businesses, industries, and institutions. As the number of generators increases, the task of planning for pickup and disposal becomes more difficult. In consideration of the potential growth and development in Mercer County, careful proactive planing on solid waste issues must come to the forefront.

Mercer County was designated as a Solid Waste Management Area by the action of the Natural Resources and Environmental Protection Cabinet in May of 1991 and was empowered to create a Waste Management District in accordance with KRS 109.115. The Waste Management District includes the Cities of Harrodsburg, Burgin and all other incorporated areas of Mercer County. The Mercer County Fiscal Court is responsible for implementing the Solid Waste Management



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Plan and various components of the plan. This plan is updated every five (5) years. The last plan was updated and approved in 2003 and establishes the county's solid waste management policies and implementation schedule for the years 2003 to 2007. The county currently has a full-time solid waste coordinator.

Mercer County has a municipal universal solid waste collection system, established by ordinance. Residents have door-to-door collection and access to recycling facilities. All waste haulers must have a permit to operate and must file quarterly reports to the county in order for the solid waste coordinator to verify that solid waste is being disposed of in a permitted landfill. This information is also used to complete annual reports that must be submitted to the Division of Waste Management. Solid waste is currently disposed of at three (3) contained landfills: Tri-K Landfill in Stanford, Benson Valley in Frankfort, and Blue Ridge in Irvine. Two (2) disposal facilities currently operate in the county. The Mercer County Transfer Station, located at 2176 Perryville Road in Harrodsburg, is owned by the county but leased to M&M Sanitation. The second is the Blue Ridge Disposal Facility, located at 270 Winchester Road in Irvine, is under private ownership. The life expectancy of the Mercer County Transfer Station is twenty-five (25) plus years, and seventeen (17) years for the Blue Ridge Disposal Facility. The county manned recycling and convenience center is operated six (6) days per week. Between the years 2003 and 2007, it is estimated by the county that a total of 47,503,680 tons of waste will be generated. The twenty (20) year total waste projection is that 300,139,480 tons of waste will be generated by the year 2022.