CHAPTER SIX COMMUNITY FACILITIES

INTRODUCTION

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 is 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 in Bullitt County; education (schools and libraries), recreation, utilities (water, wastewater, storm water, natural gas, electricity, and solid waste) and emergency ser-

Bullitt County



vices (fire, police, rescue squad, emergency management, ambulance and hospitals).

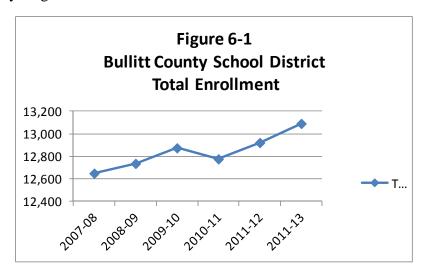
EDUCATION

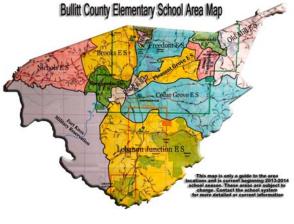
BULLITT COUNTY SCHOOL DISTRICT

The residents of Bullitt County are served by one public school district, the Bullitt County Public School District. The Bullitt County Public School District has thirteen elementary schools, six middle schools and three high schools. There are also two alternative schools. The Bullitt Alternative Center serves students in grades 6 through 12 with behavioral needs who are not performing well in a traditional school setting. The Riverview Opportunity Center houses two programs. These are the Bullitt Academy of Math and Science (BAMS) and the Career Readiness Center. BAMS is a program for students who are interested in math or science related college careers. This is an application and interview process held in the spring of the year prior to attending the program. Approximately twenty-five 8th graders are invited to be a part of the program as the incoming freshmen cohort. BAMS students earn most, if not all, of their high school credits within the first two years of the program. For their junior and senior years, the students move off campus and attend Jefferson Community & Technical College classes where the have the opportunity to also earn an Associate's Degree. The Career Readiness Center is a program that includes the opportunity to earn certificates in one of the following areas: Welding, Automotive, Carpentry, Health Sciences and Graphic Design. In the fall of 2013, Masonry, Childcare Certification and Computer Information Technology will be offered as well. Three hours of the day are spent in the chosen vocation; the remaining three hours are spent earning high school credits through APEX on-line courses.

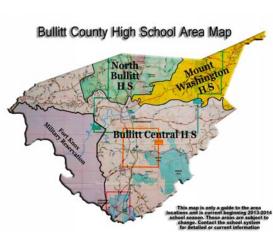
Table 6-1 is a list of Bullitt County public schools and a summary of their facilities. In addition to the schools listed and their associated buildings, Bullitt County school facilities include the Central Office, three maintenance buildings, a bus garage/transportation office, the Bullitt County Technical Center and the Community Education Building, all located in Shepherdsville. In all the Bullitt County

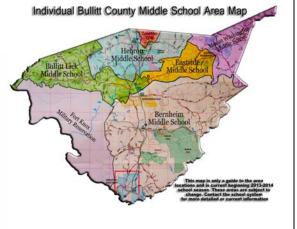
Facilities Department is responsible for the maintenance of 32 buildings with over 1.9 million square feet of space and over 480 acres of land. Figure 6-1 shows the total enrollment for the Bullitt County School District from the 2008-09 school year to the 2012-13 school year. Other than a small decline in the 2010-11 school year, the Bullitt County School District has seen a slow rate of growth since 2007-08, with a five year growth of 3.5%.





Year	Total
2007-08	12,649
2008-09	12,736
2009-10	12,874
2010-11	12,776
2011-12	12,921
2011-13	13,091





Bullitt County



TABLE 6-1
BULLITT COUNTY PUBLIC SCHOOL FACILITIES

BULLITI COUNTY PUBLIC SCHOOL FACILITIES					
	2012-13	Site	Voor Duild		
Oak aal Addaaa	Enrollment/	Acreage/	Year Built/		
School Address	Capacity	Sq. Ft.	Renovated		
Secondary Schools					
Bullitt Central High	1,257		1969, 78, 94, 05,		
1330 Hwy 44 East	1,225	150 576	2008		
•	1,225	150,576	2006		
Shepherdsville, KY	1.264		1070 00 2000		
Bullitt East High	1,364	120 FC0	1979, 80, 2008		
11450 Hwy 44 East	1,060	138,569			
Shepherdsville, KY	4.004		4070 70 05		
North Bullitt High	1,234	4.40.057	1976, 78, 05,		
3200 E. Hebron Ln	1,297	146,657	2008		
Shepherdsville, KY Bullitt Alternative					
Center/	50		1998		
Bullitt Opportunity	30		1990		
Center	150	31,000			
395 High School Dr.		,			
Shepherdsville, KY					
Crioprior devine, 111					
Middle Schools					
Bernheim Middle	500	18.7	1993		
700 Audubon Dr	441	66,108			
Shepherdsville, KY		,			
Bullitt Lick Middle	485	29.9	1980		
555 W Blue Lick Rd	565	72,263			
Shepherdsville, KY		,			
Eastside Middle	599		2006		
6925 Hwy 44 East	833	99,554			
Mt. Washington, KY		,			
Hebron Middle	443		1971, 2010		
3300 E Hebron Lane	476	68,276	,		
Shepherdsville, KY		,—			
Mt. Washington Mid-					
dle	513	8.9	1995		
269 Water Street	692	89,403			
Mt. Washington, KY					
Zoneton Middle	536		2006		
797 Old Preston Hwy					
N	833	99,554			
Shepherdsville, KY	_	_	_		

TABLE 6-1
BULLITT COUNTY PUBLIC SCHOOL FACILITIES

Elementary Schools	COUNTY PUBLIC	001100217(011	
Liementary Schools			
PS-5			
Brooks Elementary	495		2010
1430 Brooks Hill Rd	600	82,433	
Brooks, KY		,	
Cedar Grove Elementary	438	11.8	1963, 78, 89,
1900 Cedar Grove Rd.	663	67,676	92, 01, 2010
Shepherdsville, KY		,	, ,
Cross Roads Elem.	545		2010
156 Erin Circle	600	72,281	
Mt. Washington, KY		ŕ	
Freedom Elementary	479	14.8	2002
4682 N Preston Hwy	650	69,937	
Shepherdsville, KY			
Lebanon Junction Elem.	484	10.7	1962, 75, 92
10920 S Preston Hwy	427	56,056	01, 2010
Lebanon Junction, KY			
Maryville Elementary	360	9.7	1972, 94, 1996
4504 Summers Dr	400	52,966	
Louisville, KY			
Mt. Washington Elem.	493	14.2	1974, 77, 1992
9234 Hwy 44 East	741	51,991	
Mt. Washington, KY			
Nichols Elementary	167	5.4	1959, 68, 94,
10665 Hwy 44 West	223	30,200	2010
West Point, KY			
Old Mill Elementary	447	14.7	1987, 89, 92
11540 Hwy 44 East	600	57,896	2005
Mt. Washington, KY			
Overdale Elementary	576	12.2	2010
651 Overdale Dr.	600	77,900	
Louisville, KY			
Pleasant Grove Elem.	576	15.8	1997, 2003
6415 Hwy 44 East	625	75,848	
Mt. Washington, KY			
Roby Elementary	476		2010
1148 Hwy 44 East	600	72,281	
Shepherdsville, KY			
Shepherdsville Elem.	574	14.7	2005
527 W. Blue Lick Rd.	650	70,015	
Shepherdsville, KY			

Bullitt County



PRIVATE SCHOOLS

There are three private elementary/secondary schools in Bullitt County. These are as follows:

TABLE 6-2
BULLITT COUNTY PRIVATE SCHOOLS

Private School	Grades	Enrollment
Little Flock Christian Academy		
5500 N. Preston Hwy.	K-12	192
Shepherdsville, KY		
Micah Christian School		
130 Smith Lane (Hillview)	PK-12	196
Louisville, KY 40229		
Rolling Hills Christian School		
4290 N. Preston Hwy	PK-12	29
Shepherdsville, KY		

JEFFERSON COMMUNITY & TECHNICAL COLLEGE

The Kentucky Community and Technical College System (KCTCS) is comprised of sixteen community and technical colleges across the state. Of these, Jefferson Community & Technical College (JCTC) is the largest. It has a Bullitt County campus located in the City of Shepherdsville at 505 Buffalo Run Road near the Cedar Grove Business Park. Overcrowding at the Bullitt County campus is a concern. In 2007 the Bullitt County Fiscal Court pledged to donate land for a new 40 acre college campus on Clermont Road (KY 245) near Interstate 65.

BULLITT COUNTY PUBLIC LIBRARY

Bullitt County is served by four branches of the Bullitt County Public Library. The Ridgway Memorial Library is located at 127 N. Walnut Street in Shepherdsville. The other three branches are located at 155 Terry Boulevard in Hillview, 11382 S. Preston Highway in Lebanon Junction, and 311 Snapp Street in Mt. Washington. Library materials can also be dropped off and picked up at an easy access site in front of the Nichols Elementary School at 10665 Highway 44 West in

the west end of Bullitt County. Technical Services and the library's Outreach Program are located in the Dorothea Stottman Annex at 1251 Hillview Boulevard in Hillview. Planning is underway to expand the Mt. Washington branch of the library on N. Bardstown Road. An outdoor amphitheater at the Hillview branch will be used for community programs including concerts and plays.

PARKS AND RECREATIONAL FACILITIES

Leisure and recreational activities 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 citizens of Bullitt County have a variety of opportunities for recreation. In addition, the county is rich in natural resources that have recreational potential, including the Bernheim Arboretum and Research Forest, Floyd's Fork, Jefferson Memorial Forest, Knob State Forest and the Salt River.

BULLITT COUNTY PARKS & RECREATION

There are three public outdoor swimming pools in Bullitt County which are open during summer months. They were all built by Bullitt County on Bullitt County Public School District property. They are operated by the Bullitt County YMCA. The Shepherdsville Pool, located at 133 Hwy 44 E next to Bullitt Central High School, and the Maryville Pool, located at 4504 Summers Drive behind Maryville Elementary in Pioneer Village, are both 25 yard pools. The Mt. Washington Pool located at 269 Water Street next to Mt. Washington Middle School, is a smaller pool. There is also a Spray Park located in Lebanon Junction at 10920 S. Preston Hwy. behind Lebanon Junction Elementary School. There is a county owned park near the Maryville Pool with a walking trail, picnic tables and a picnic shelter.

The Bullitt County Fairgrounds is located at 964 Clermont Road (KY 245) at I-65 Exit 112. It is adjacent to the northeast side of I-65. The fairgrounds property which is approximately 27 acres is owned by Bullitt County and leased to the

Bullitt County



Fair Board of Bullitt County, Inc. The Fair Board is responsible for maintenance and operations of the fairgrounds. In addition to the annual Bullitt County Fair, events held at the fairgrounds include demolition derbies, tractor pulls, music festivals and a wine festival. Facilities include a pavilion, exhibit hall, an outdoor arena, ticket booths and cattle barns. There are four public 18-hole and two miniature golf courses in Bullitt County.

BULLITT COUNTY SCHOOL RECREATIONAL FACILITIES

Twelve of the thirteen Bullitt County elementary schools have an indoor gymnasium. Nicolas Elementary has a multipurpose cafeteria/gym. All elementary schools have separate preschool playgrounds and school playgrounds. Overdale Elementary has a tennis court as well. The six middle schools have gymnasiums only. The three high schools each have a baseball field, softball field, football field, soccer field, tennis courts and a track. The new college and career centers at each high school will have multipurpose gyms when construction is completed.

CITY OF HILLVIEW

The City of Hillview owns a gymnasium with a basketball court located at the Hillview Community Center at 298 Prairie Dr. in Hillview. The gym is used for a youth basketball league and is also available for rent. The adjacent park has a picnic area with a covered pavilion, picnic tables, grill and a softball/football field. The city also has two basketball goals and a soft ball field located at the Hillview Government Center at 283 Crestwood Lane.

CITY OF LEBANON JUNCTION

The City of Lebanon Junction owns one baseball field located at the end of Ball Park Rd. They also own and maintain Wall Street Park located on Wall Street which has a water spray park, picnic gazebo and playground equipment.

CITY OF MT. WASHINGTON

The City of Mt. Washington owns and maintains Mt. Washington City Park located behind the Mt. Washington Elementary School at 9234 Hwy. 44 East. The park has five softball fields, a volleyball court, two tennis courts, a walking path, a picnic pavilion, picnic tables, a playground, horse shoe pit and restroom. There is a concession stand near the soft ball fields open during games only. City Plaza is located between Bardstown Road and Snapp Street. The Plaza features a fountain, gazebo, park benches, landscaped areas, and a brick memorial walkway. The city also owns and maintains Cornell Park off Waterford Rd.

CITY OF SHEPHERDSVILLE

The City of Shepherdsville owns and maintains Shepherdsville City Park located between Hwy 44 West, First Street and the Salt River in Shepherdsville. The city has future plans to extend a landscaped walking trail from the old stone jail then south to Salt River across Buckman St. to the city park. The city park is about 110 acres and has playground equipment, a walking trail along the Salt River, two baseball fields, a soccer complex, an outdoor pavilion with picnic tables and basketball courts. There are also public boat/canoe ramps to allow access to the Salt River located behind the Paroquet Springs Conference Centre and at Shepherdsville City Park.

The Bullitt County Family YMCA is located at 409 Joe B Hall Avenue in Shepherdsville. The facility includes a Wellness Center with exercise equipment and weights, an indoor cycling room, a group fitness studio, two racquet ball courts and a youth gym. Outside there is a playground and a boot camp workout area. The YMCA also has a 50 child capacity Kids Club child care center in the building.

BERNHEIM ARBORETUM AND RESEARCH FOREST

The Bernheim Arboretum and Research Forest is located at 2499 Clermont Rd., one mile east of I-65 Exit 112. It is owned by the nonprofit Isaac W. Bernheim Foundation Inc. founded in 1930. At 14,378 acres, Bernheim Forest is a significant block of contiguous forest in Kentucky, forming a portion of the largest

Bullitt County



forest block outside of the Appalachian Plateau. Much of the forest is between 80-100 years of age, with much of it being logged in the period before acquisition by Isaac W. Bernheim in 1929. Bernheim Forest is designated as Kentucky's Official State Arboretum.

The mission of Bernheim Forest is to strengthen the bond between people and nature through education and research. The vision statement is "Bernheim will be a nationally treasured leader in ecological stewardship that inspires the exploration of our deep connections with nature". Bernheim's strategic plan for fulfilling this vision will focus on four bid ideas which are: (1) Exploring Deep Connections with Nature, (2) Leadership in Ecological Stewardship, (3) Actions Beyond our Borders, and (4) Thought Leadership.

Facilities at Bernheim Forest include a new LEED Platinum visitor center with an open, airy design. The visitor center has educational exhibits, a gift shop and a restaurant open from March to October. Outdoor facilities include an edible garden, picnic areas, a canopy tree walk, air in nature exhibits, hiking trails and walkways. There are extensive interpretive and educational programs throughout the year. One goal for the future is to acquire additional tracts of land to make the Forest a more rounded and ecologically sound shape.

KNOB STATE FOREST AND WILDLIFE MANAGEMENT AREA

The Knob State Forest is owned by the State of Kentucky and operated by the Kentucky Division of Forestry. The Division of Forestry purchased two tracts consisting of 1,110 acres and 429 acres in 2006 to create the 1,539 acre forest. It is located about 1.5 miles south of I-65 Exit 112 at end of Pioneer Drive off of KY 61. Knobs State Forest and Wildlife Management Area is managed using the principles of ecosystem management. These principles allow the forest to be managed for sustainable timber production while ensuring the protection of water quality and the enhancement and/or protection of biological diversity. The forest is open for day use only unless hunting regulations specify extended hours. Hiking, wildlife viewing and regulated hunting such as deer hunting with bow and crossbow only are permitted. Off-road vehicles, including ATVs and horseback riding are prohibited.

FLOYDS FORK PARK SYSTEM

Floyds Fork Creek was named for John Floyd, a surveyor. The stream originates in Henry County, Kentucky, and flows southwest for 62 miles through Oldham, Shelby, Jefferson, and Bullitt Counties before flowing into the Salt River in Bullitt County. The entire watershed is 284 square miles, which is more than 180,000 acres. The watershed contains all or part of the following municipalities: LaGrange, Peewee Valley, Simpsonville, Smithfield, Crestwood, Forest Hills, Louisville, Mount Washington, Hillview, Hunters Hollow, Pioneer Village, Fox Chase, and Shepherdsville, Kentucky.

The *Parklands of Floyds Fork* is a project initiated by the Louisville parks system in 2011 that includes four major parks, Beckley Creek Park, Pope Lick Park, Turkey Run Park and Broad Run Park. Future Funds Park System currently manages the park development process. Efforts are underway to connect the portions of Floyd's Fork located in Bullitt County to this park system, which is referred to as the Waterfall section. It is envisioned that Phase 1 of the Bullitt County section will continue from the Jefferson County line to the Salt River. A Stream Reserve area of approximately 200 feet from both sides of the banks of Floyd's Fork may be established along the route so that a nature trail can be developed as part of the park.

JEFFERSON MEMORIAL FOREST

The Jefferson Memorial Forest is located at 11311 Mitchell Hill Road, Fairdale, KY 40118 south of the Gene Snyder Freeway and between I-65 and Dixie Highway. Jefferson Memorial Forest encompasses approximately 6,191 acres in southwest Jefferson County and portions of northern Bullitt County near Brooks. The forest is owned by the nonprofit Jefferson County Forest Commission established in 1945 and operated by the Louisville Metro Parks Department. The Forest has over 35 miles of hiking trails; nature-based experiential education for schools and community groups; seven family campsites and four group campsites. Fishing

Bullitt County



is permitted at the 5.5 acre Tom Wallace Lake. A Kentucky fishing license is required, but fishing is otherwise free. Electric trolling motors, rowboats, and canoes are permitted although there is no boat ramp or canoe launch at the lake.

Louisville Metro Parks completed the development of the Jefferson Memorial Forest Master Plan in July 2009. Figure 6-2 is a map summarizing the plan's recommendations. Recommendations affecting Bullitt County include the acquisition of additional land to decrease the current fragmentation of the forest and allow more ecologically sound forest management. New walk-in camp sites and park trails are also proposed within Bullitt County.

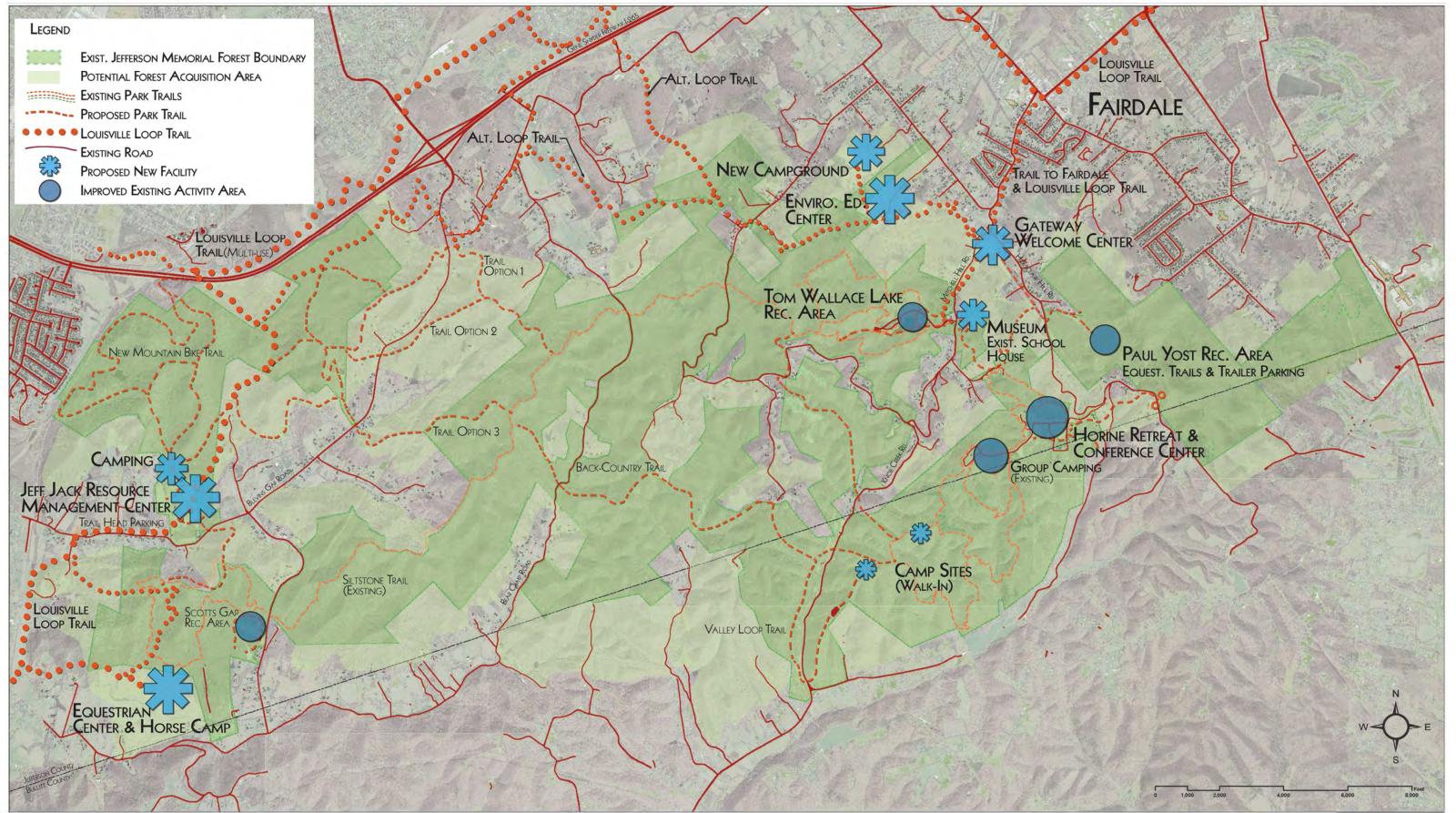
PARKS & RECREATION NEEDS

As communities grow, it is important to insure that land is available for parks, recreation, open space and greenways to meet the future needs of the community. The recreational needs of communities vary greatly. While there are a number of facilities for group recreation such as baseball fields and soccer fields in Bullitt County, the facilities for individual recreational activities are more limited. Studies have shown that adults are more likely to remain physically fit when they can participate in an individual sport or exercise such as running, swimming, bicycling, aerobics, resistance training etc. that does not require group participation. It is recommended that a comprehensive guide to parks, recreation, and exercise facilities within Bullitt County be developed for public use.

PUBLIC UTILITIES

KENTUCKY WATER RESOURCE INFORMATION SYSTEM (WRIS)

In 2000, Area Water Management Councils were created in each of Kentucky's Area Development Districts (ADDs) with the ADDs responsible for facilitating their meetings. The Councils are a forum for local utilities and local officials to discuss and identify each area's drinking water and wastewater needs. The Councils are tasked with reviewing and prioritizing projects that address the local needs. For the Councils to successfully plan for the future, they must have information about the location and condition of existing infrastructure. The Kentucky Infrastructure Authority (KIA) was given the responsibility for maintaining and



Jefferson Memorial Forest

MASTER PLAN









updating the Water Resource Information System (WRIS). The WRIS is a geodatabase of existing infrastructure and of the projects reviewed by the Councils. The ADDs work with both the Councils and with each individual utility to gather information about the system, its infrastructure and its proposed projects through the creation of Project Profiles. The WRIS facilitates a bottom up planning process and is truly a collaborative effort between the Councils, the ADDs and KIA. Information about Kentucky's drinking water and wastewater utilities, existing drinking water and wastewater infrastructure and the projects needed to maintain and improve the existing drinking water and wastewater infrastructure can be found in the WRIS. Information from WRIS was used by the Kentucky Infrastructure Authority to prepare the Kentucky Wastewater Management Plan (April, 2013) and the Kentucky Water Management Plan (February, 2013). More detailed information about Bullitt County's water and wastewater services including proposed projects can be found in these two plans and in the WRIS system online.

WATER SERVICE

Bullitt County is served by five public water systems including four municipal water systems and one water district. North Nelson Water District, Lebanon Junction Water Works, Mt. Washington Water and Sewer Company, and Taylors-ville Water Works all purchase treated water from Louisville Water Company and do not operate their own water treatment plants. The service area and major facilities for each public water system from current WRIS GIS data are shown on Figure 6-3.

Table 6-3 shows the most recently available number of residential customers in Bullitt County for each water service and the estimates of serviceable households and population from the Kentucky Water Management Plan.

WATER SERVICE NEEDS

Over the next ten years, public water service needs to be extended to the areas of Bullitt County that are not served by public water lines. The next need is to upgrade and repair older lines. Zoning and subdivision regulations should be updated to require all new subdivisions to be provided with an approved public water distribution system including fire hydrants no less than an average of 500 feet

Bullitt County



apart before the final plat is recorded. In areas with high density housing, older water mains should be upgraded to a minimum of eight inch lines with fire hydrants to provide fire protection.

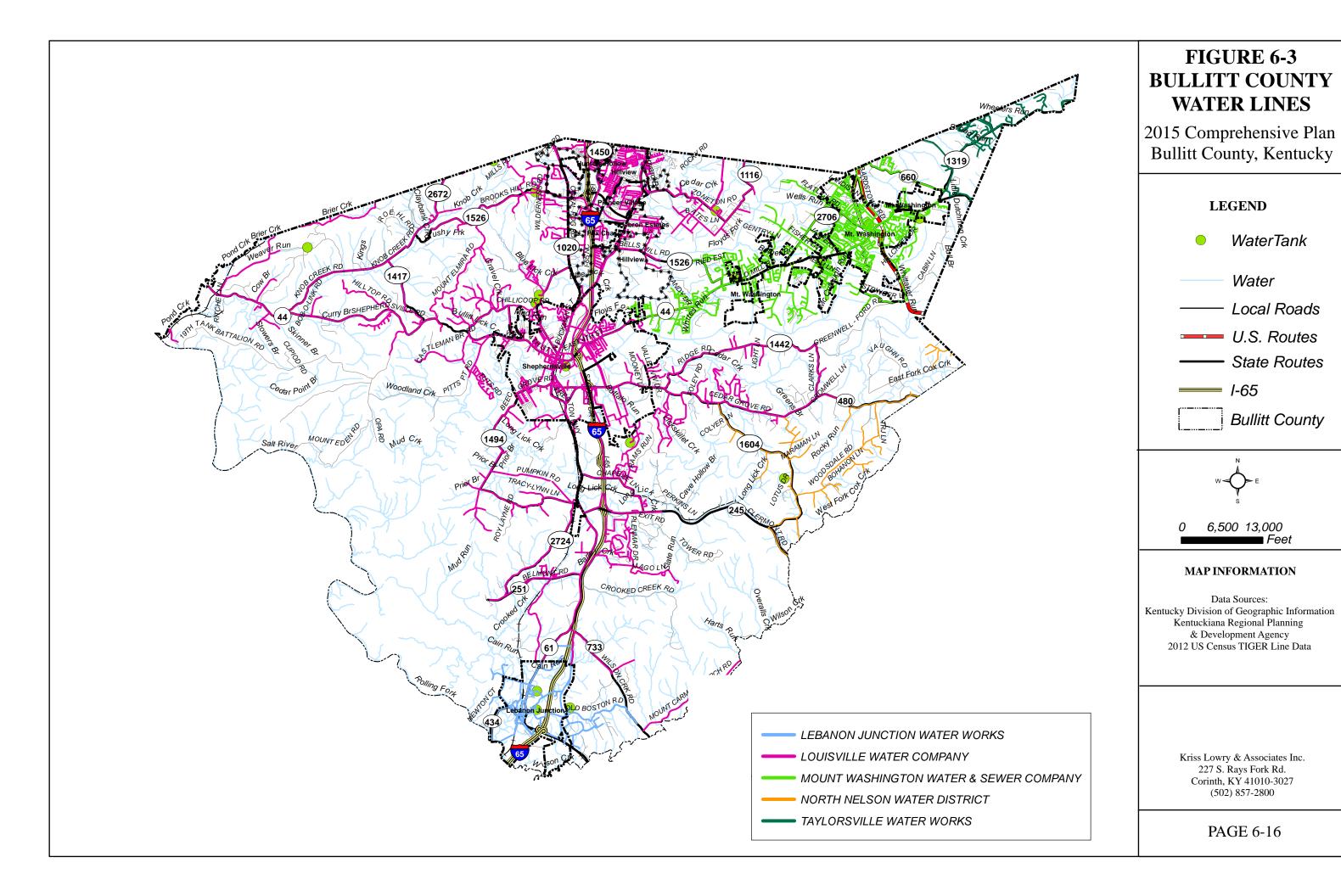
Proposed public water projects must be reviewed and approved by the KIPDA Water Management Council before they are listed in the state WRIS system or eligible for public financing. Each fiscal year this council reviews the proposed projects and ranks the top projects for the region. Proposed projects can be viewed in the WRIS system and on the KIPDA website.

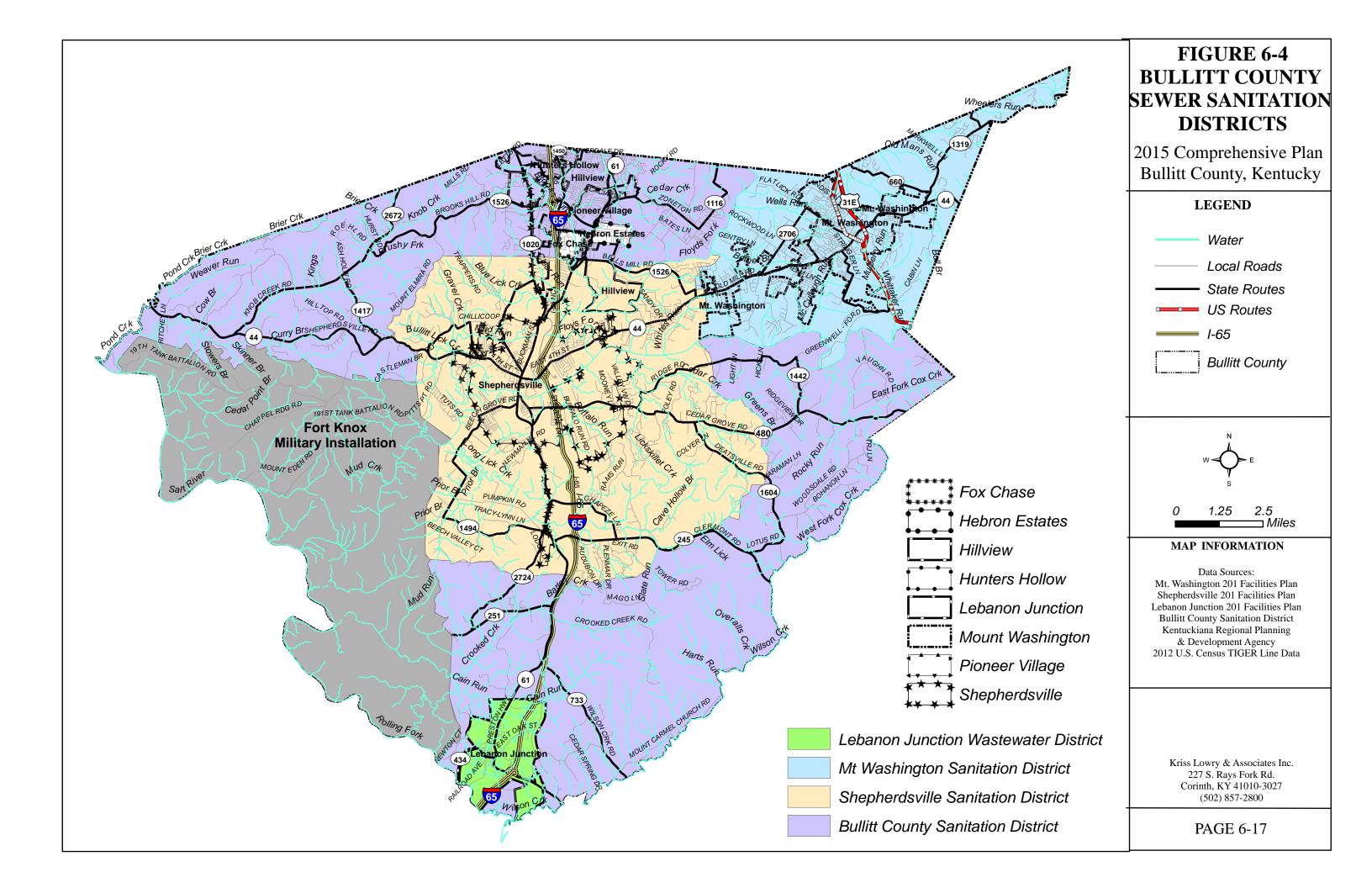
TABLE 6-3
BULLITT COUNTY WATER SERVICE BY KIPDA - FY2013

		· • · · · · · · · · ·	
WATER DISTRICT/ COMPANY	RESIDENTIAL SERVICE CON- NECTIONS	SERVICEABLE POPULATION	SERVICEABLE HOUSEHOLDS
Lebanon Junction Water Works	886	2,137	910
Louisville Water Company	15,090	46,004	18,060
Mt. Washington Water and Sewer Company	8,355	19,162	7,624
North Nelson Water District	418	1,313	525
Taylorsville Water Works	584	1,997	735
Totals	25,333	70,613	27,854

WASTEWATER SERVICE

Bullitt County is served by numerous public wastewater collection systems. These systems, illustrated in Figure 6-4, are the Bullitt County Sanitation District (BCSD), Lebanon Junction Wastewater, the Mount Washington Water and Sewer Company and Shepherdsville Sewer. All of the wastewater districts own and operate wastewater treatment plants. Nine other wastewater facilitates operate package treatment plants in Bullitt County but do not provide public wastewater service to any customers in Bullitt County. Table 6-4 shows the most recently available number of residential customers in Bullitt County for each sanitary sewer service and





the estimates of serviceable households and population from the Kentucky Wastewater Management Plan.

TABLE 6- 4
BULLITT COUNTY WASTEWATER SERVICE - 2013

WASTEWATER DIS- TRICT/COMPANY	RESIDENTIAL SERVICE CON- NECTIONS	SERVICEABLE POPULATION	SERVICEABLE HOUSEHOLDS
Bullitt County Sanitation District	3,079	9,649	3,749
Lebanon Junction Waste- water	550	1,624	708
Mt. Washington Water and Sewer Company	5,201	14,575	5,836
Shepherdsville Sewer	4,163	12,227	4,922
Louisville & Jefferson County MSD - Derek R. Guthrie	0	88	34
Totals	12,993	38,163	15,249

Bullitt County had a 2010 census population of 74,319 (29,318 households). According to the Kentucky Wastewater Management Plan public sanitary sewer service is available to an estimated 38,163 persons or 15,249 households which represents approximately 52 percent of the county's households. It is anticipated that over the next ten years approximately 408 serviceable households will be added through the construction of 11 miles of sewer line extensions. Again, this does not mean that 52 percent of the county's households are actually connected to public sewer lines as a house along a line that still uses a septic system and is not actually connected to the sewer line would be counted as "serviceable". While Bullitt County households near the Louisville MSD sewer lines in Jefferson County are counted as "serviceable", the do not have any customers in Bullitt County. Based on the number of residential sewer service connections, approximately 44 percent of the households in the county are connected to a public sewer system. In addition to the public wastewater systems above, there are a number of package treatment plants within Bullitt County which serve some subdivisions, mobile home parks and other facilities such as the camps.

Bullitt County



BULLITT COUNTY SANITATION DISTRICT TWENTY YEAR MASTER PLAN

PREFACE

The Bullitt County Sanitation District was established in 1997 and began acquiring privately owned wastewater systems in Northern Bullitt County in 2001. The formation of the District and subsequent wastewater plant acquisitions resulted from the Kentucky Division of Water indicating no new wastewater plants or expansions would be allowed in Northern Bullitt County without government intervention.

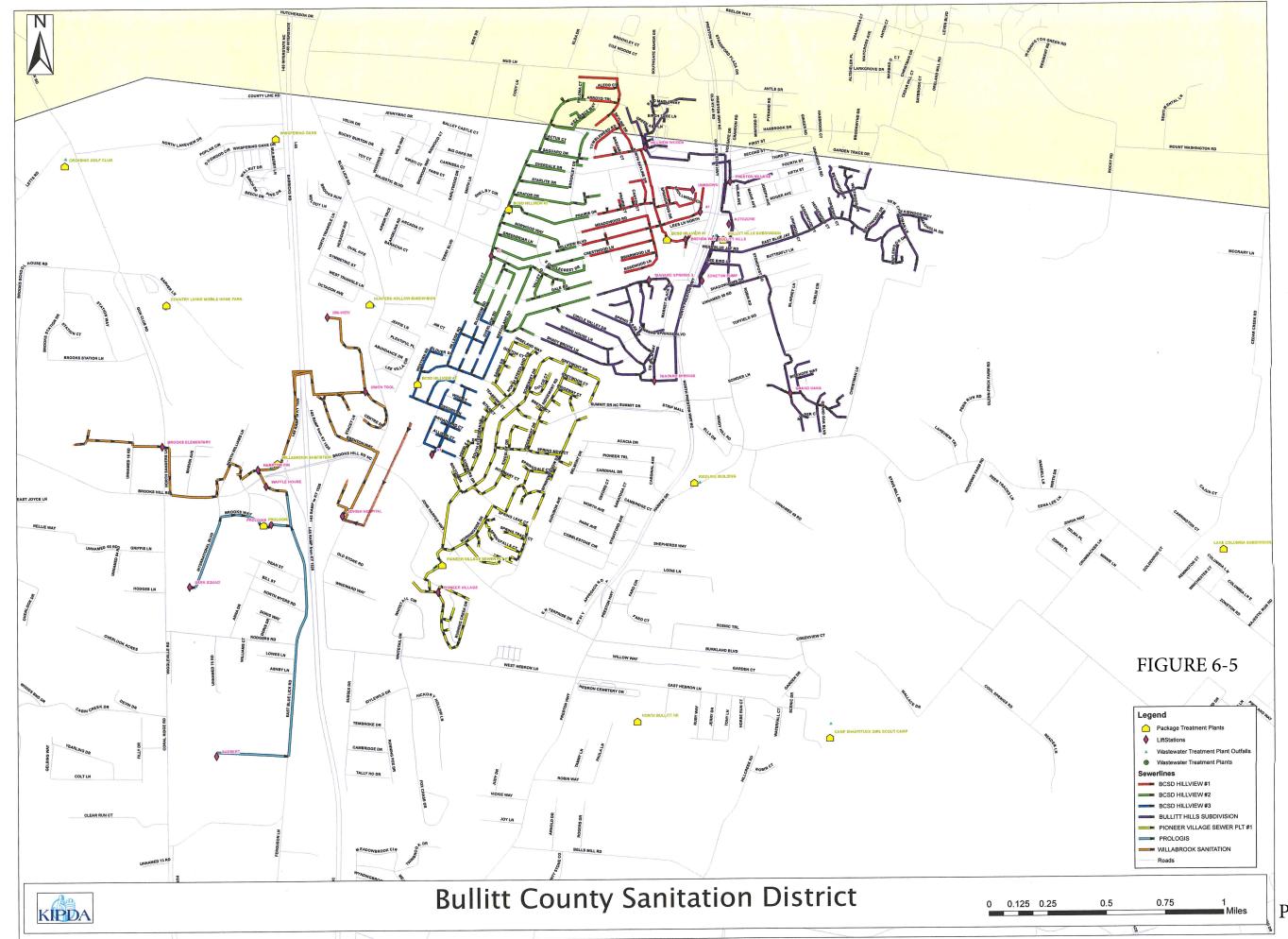
The Sanitation District is unique relative to the other municipal systems (Shepherdsville, Mt. Washington and Lebanon Junction) in Bullitt County. Although the system is compact in size (Mudd Lane to the North, John Harper to the South, Zoneton Road to the East and Coral Ridge Road to the West), the District owns and maintains seventeen pumping stations, seven wastewater plants and is the Court Ordered Receiver of the Big Valley Mobile Home Park. The Bullitt County Sanitation District service area and facilities are shown on Figure 6-5.

WWTP (located in the Shepherdsville 201 Planning Area).

- Hillview WWTP TWO, Capacity: 330,000 GPD
- Hillview WWTP Three, Capacity: 148,000 GPD
- Bullitt Hills WWTP, Capacity: 350,000 GPD
- Willabrook WWTP, Capacity: 120,000 GPD
- Pioneer Village WWTP: Capacity: 330,000 GPD
- Hillview (Prologis) WWTP, Capacity: 150,000 GPD
- Big Valley WWTP, Capacity: Unknown

Remaining under private or public ownership are eight additional wastewater plants in Northern Bullitt County which the District believes will be acquired and/or phased out as part of the BCSD Master Plan.

- Hunters Hollow WWTP, Capacity: Unknown
- Lake Columbia WWTP, Capacity: Unknown
- Whispering Oaks Mobile Home Park, Capacity: Unknown
- North Bullitt High School, Capacity: Unknown



- Girl Scout Camp Shanituck, Capacity: Unknown
- Country Living Mobile Home Park, Capacity: Unknown
- Riedling Building, Capacity: Unknown
- The Crossings Golf Course, Capacity: Unknown

Difficulties the District has faced and will continue to contend with in the near future are:

- Lack of adequate revenue stream
- Antiquated facilities (plants and collection systems are fifty years of age and have not been upgraded with modern equipment or controls)
- Infiltration/Inflow affects on plant operations and reportable overflows
- Lack of growth (no new customers generating tap fees for capital improvement and contributing to the revenue stream)
- Developed areas within the District which are not on public sanitary sewers (Hebron Estates, Fox Chase, part of Pioneer Village, Ruhl Acres and Un-incorporated areas of Bullitt County such as the Dublin Estates area off Zoneton Road). Citizens of these areas do not currently want sewers due to cost (capital and monthly operating) and their septic systems are not failing in large numbers.
- Unfunded EPA and DOW mandates of more stringent environmental regulations (nutrient removal)
- No Federal or State Grants
- Lack of equipment (jet sewer cleaning truck or sewer television) to maintain, evaluate the condition and plan for collection system repairs

The Bullitt County Sanitation District has made their "best effort attempt" to determine how the District will expand services over the next twenty years in the Northern Bullitt County Area. Our "best effort attempt" is based on unsubstantiated projections of economic growth, population, land use and zoning objectives, commercial and industrial development. Although current sanitary sewer expansion is driven by and paid for by the developer, the District reviews each Project with respect to future usage and participates in the cost of upgrading the proposed system for future users when funds are available.

With our current rate structure and revenue stream, the District has no funds available to extend interceptor sewers to eliminate private package treatment plants. In addition, the District has no funds to extend sewers to serve existing residential

Bullitt County



and commercial properties on septic systems. Any growth in customer base now occurs when new developments are in close proximity to existing District sewers, in which case, the developers pay for the construction of collector sewers and interceptor sewers and dedicates them to the District.

ZERO TO FIVE YEARS

- Phase out the Bullitt Hills WWTP and Hillview One WWTP and build a new 950,000 gallon per day facility on the Hillview One existing site. This expansion will allow capacity for approximately 1,800 new homes, primarily in the Zoneton Road area and along Preston Highway South of Tanyard Springs.
- Phase out the Zoneton Road Pump Station and Brenda Way Pump Station with the plant expansion.
- Upgrade the Tanyard Springs Pump Station Two for present and future growth along Preston Highway.
- Acquire the Hunters Hollow System
- Extend existing sanitary sewer line South along Coral Ridge Road to Hoyle Lane for proposed development
- Phase Two of Highway 61 widening from John Harper towards Shepherdsville may allow for sewer expansion in the corridor. This should allow the phase out of the North Bullitt High School WWTP. This area would be served with the Pioneer Village WWTP existing capacity.
- Participate in the Regional Wastewater Commission Work Group for the Salt River Basin

FIVE TO TEN YEARS

- Expand the Prologis WWTP to approximately 500,000 gallons per day and allow for additional capacity within ten years if regionalization is not feasible.
- Phase out the Hunters Hollow WWTP, Hillview Plant Three and the Willabrook WWTP
- Extend existing sanitary sewer line North along Coral Ridge Road for existing and future development
- Plan for future development along the Zoneton Road corridor towards Jefferson County
- Plan for the phase out of the Lake Columbia WWTP
- Phase out the Riedling Building WWTP
- Expand sewer service to areas of the City of Hillview currently on septic tank systems (Overdale Drive and the Rogers Road Area)

TEN TO FIFTEEN YEARS

- Expand sewer service into Hebron Estates, Fox Chase and the Preston Highway side of Pioneer Village and Ruhl Acres
- Phase out the Girl Scout Camp Shanituck WWTP
- Continue extending existing sanitary sewer service along Coral Ridge Road to pick up the Crossing Golf WWTP and the Country Living Mobile Home Park WWTP
- Plan for expanding the Pioneer Village WWTP or phasing it out in favor of expanding Prologis
- Expand sanitary sewer service in un-incorporated Bullitt County with failing septic tank systems within the area of Mudd Lane to the North, Blue Lick Road to the East, I-65 to the West and John Harper to the South.

FIFTEEN TO TWENTY YEARS

- Begin planning for new multi-million gallon per day wastewater treatment facility to be located closer to Floyds Fork or plan for connection to larger regional plant on Salt River. This will allow phasing out the remaining wastewater plants of Pioneer Village, Hillview Two and Prologis.
- The previously expanded Bullitt Hills WWTP is anticipated to remain.

LEBANON JUNCTION WASTEWATER

Lebanon Junction operates a wastewater treatment plant located 1130 Railroad Ave. in Lebanon Junction. The Lebanon Junction sanitation sewer service lines are shown in Figure 6-6. The plant has a treatment capacity of .350 MGD. As of May 2013, the plant provides wastewater collection service to 550 residential and 39 commercial customers in Bullitt County. Lebanon Junction's primary need is to extend sewer service to un-served areas.

MOUNT WASHINGTON WATER AND SEWER COMPANY

Mount Washington operates a wastewater treatment plant located at 291 Red Bud Rd. in Mt. Washington. The Mount Washington sanitation sewer service lines are shown in Figure 6-7. The plant was recently upgraded and now has a treatment capacity of 3.5 MGD. As of May 2013, the plant provides wastewater collec-

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tion service to 5,201 residential, five institutional, eight industrial, and 386 commercial customers in Bullitt County.

SHEPHERDSVILLE SEWER

Shepherdsville operates a wastewater treatment plant located at 291 Red Bud Rd. in Mt. Washington. The Shepherdsville sanitation sewer service lines are illustrated in Figure 6-8. The plant has a treatment capacity of 4 MGD. The plant needs to be upgraded to 5 MGD with a peak capacity of 23 MGD. As of May 2013, the plant provides wastewater collection service to 4,163 residential, and 417 commercial customers in Bullitt County.

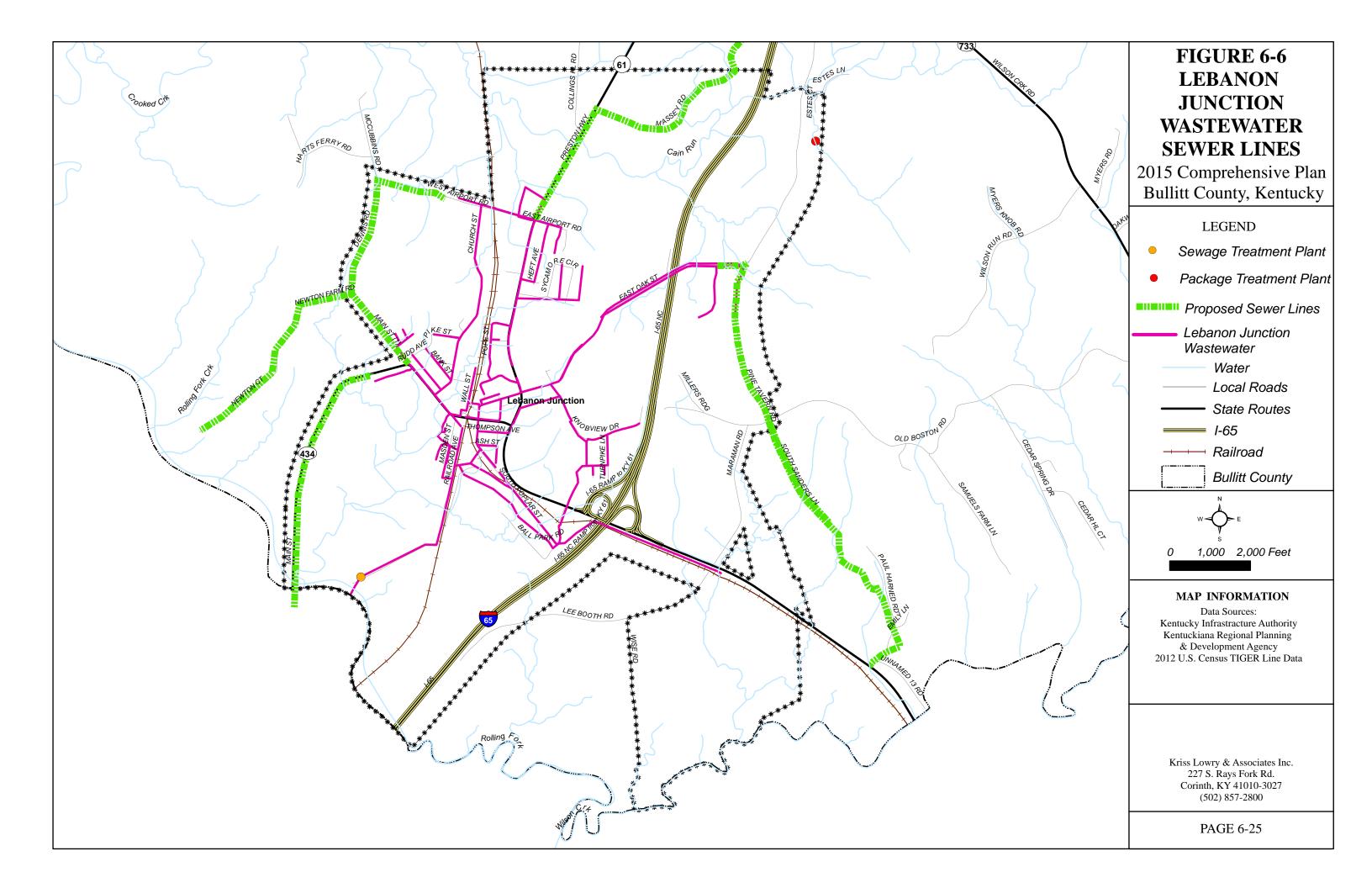
BULLITT COUNTY SEWER PROJECTS

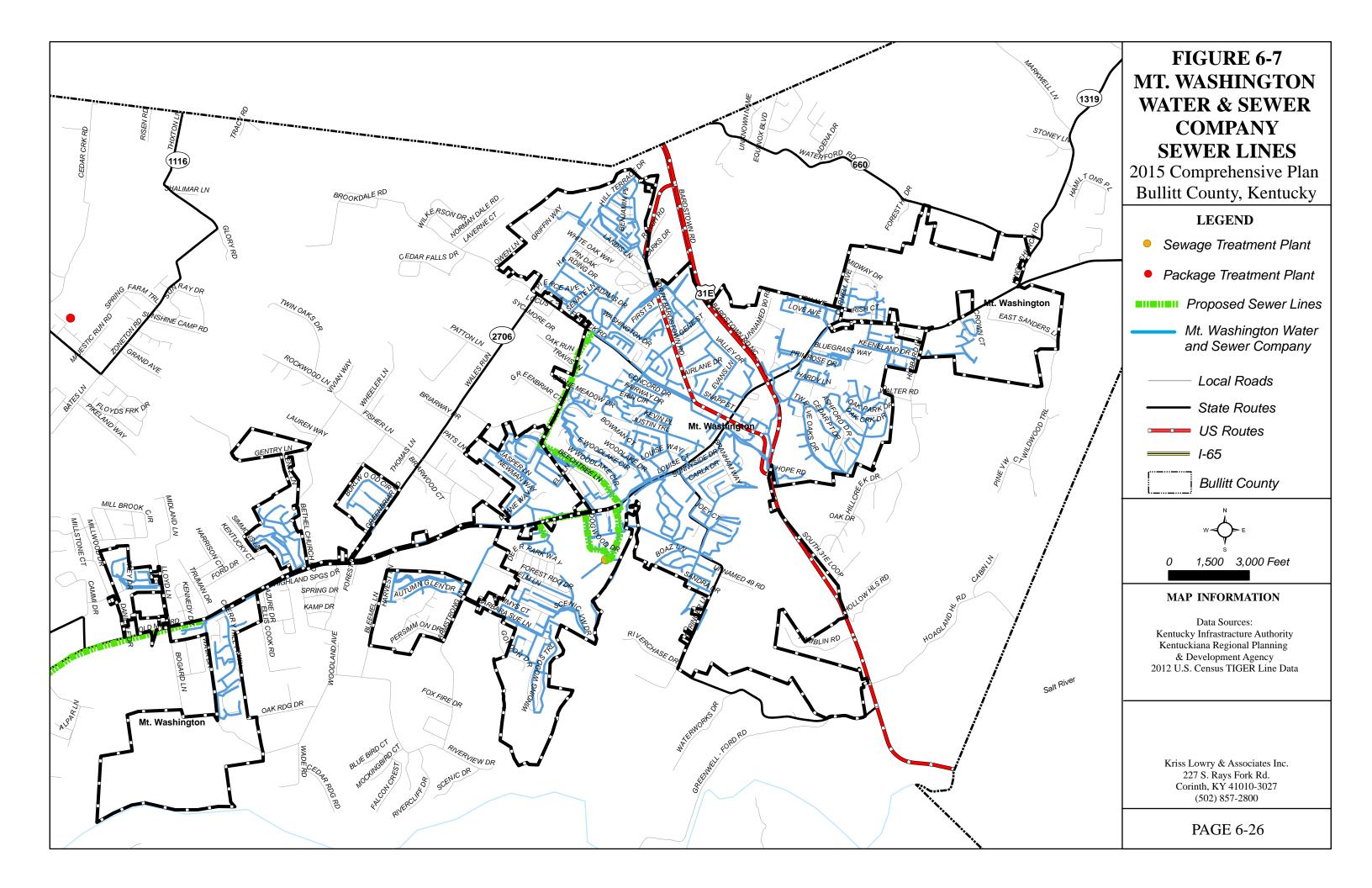
Table 6- 5 shows the proposed sewer projects within Bullitt County in order of ranking for FY 2013. Additional unranked proposed projects can be viewed in the WRIS system.

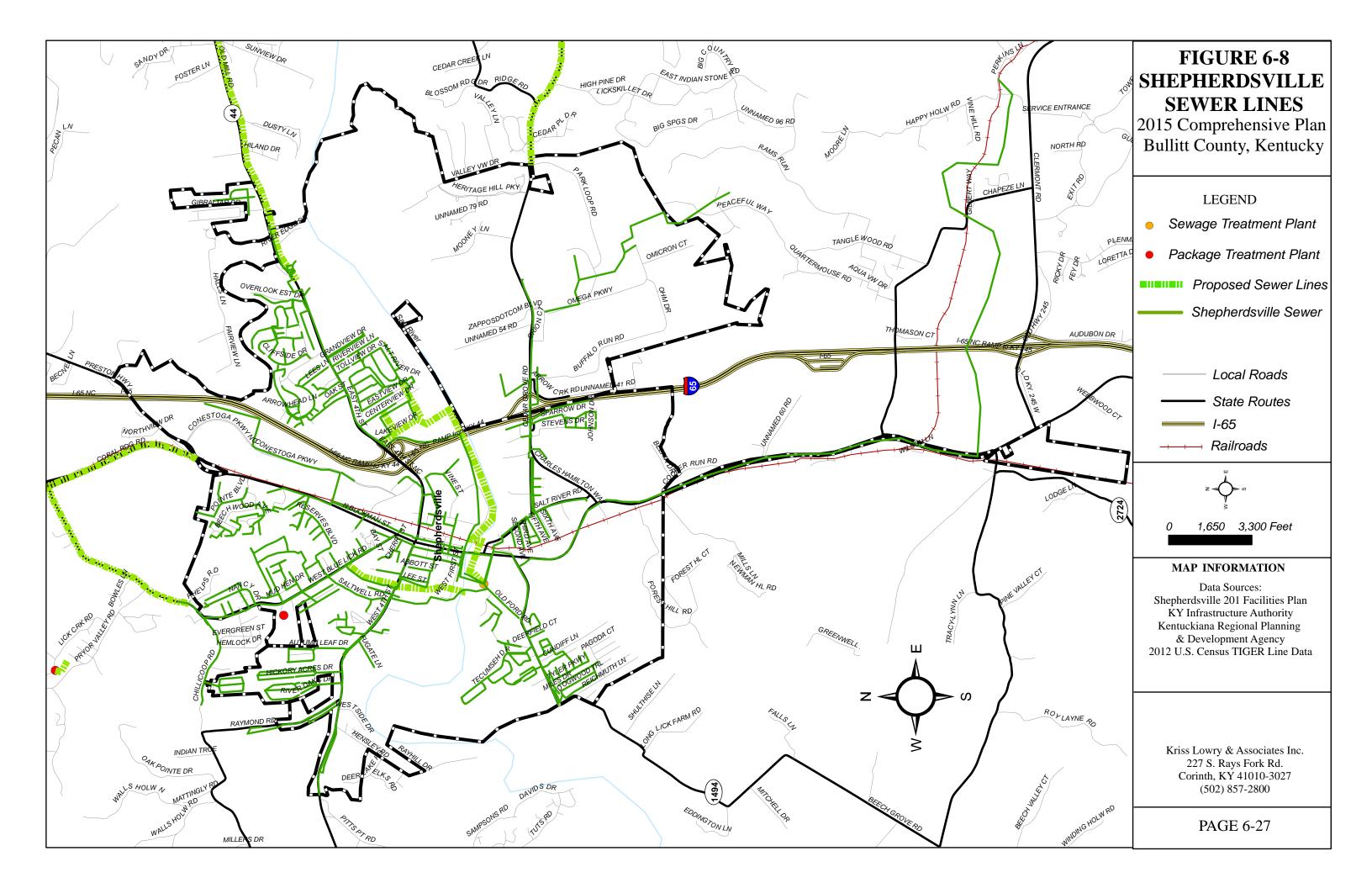
STORMWATER NEEDS

Untreated or uncontrolled stormwater runoff is a major source of water pollution to local waterways. Stormwater runoff can harm surface waters such as rivers, lakes, and streams which in turn cause or contribute to water quality standards being exceeded. Stormwater runoff can change natural hydrologic patterns, accelerate stream flows, destroy aquatic habitats, and elevate pollutant concentrations and loadings. Development substantially increases impervious surfaces thereby increasing runoff from city streets, driveways, parking lots, and sidewalks, on which pollutants from human activities settle. Common pollutants in runoff include pesticides, fertilizers, oils, metals, pathogens, salt, sediment, litter and other debris are transported via stormwater and discharged - untreated - to water resources through storm sewer systems.

The Stormwater Program for MS4s is designed to reduce the amount of sediment and pollution that enters surface and ground water from storm sewer systems to the maximum extent practicable. Bullitt County and the cities of Shepherdsville,







Mount Washington, Hillview, Hunters Hollow, Pioneer Village, Hebron Estates and Fox Chase have been designated a "Municipal Separate Storm Sewer System" (MS4) communities by the United States Environmental Protection Agency (U.S. EPA) and the Kentucky Division of Water (DOW). Stormwater discharges associated with MS4s are regulated through the use of National Pollutant Discharge Elimination System (NPDES) permits. Through this permit, the owner or operator is required to develop a stormwater pollution prevention program (SWPPP) that incorporates best management practices (BMPs) applicable to their MS4.

Each MS4 community in Bullitt County has adopted a stormwater ordinance which details their SWPPP. The stormwater management program has six elements termed "minimum control measures" which when implemented should result in significant reduction in pollutants discharged into receiving waters. The six minimum control measures and the actions required are outlined below.

- **Public Education and Outreach** Distribute educational materials and conduct outreach to inform citizens about the impacts that stormwater runoff has on water quality.
- **Public Participation/Involvement -** Provide opportunities for citizens to participate in the stormwater management program or other programs which improve water quality.
- **Illicit Discharge Detection and Elimination** Develop and implement a plan to detect and eliminate non-stormwater discharges into the storm water system.
- **Construction Site Runoff Control** Develop, implement and enforce an erosion and sediment control program for construction site activities that disturb one acre or greater.
- **Post-Construction Runoff Control** Develop, implement and enforce a program to address discharges of post-construction storm water runoff from new development or redevelopment areas.
- **Pollution Prevention/Good Housekeeping** Develop and implement a program that reduces or prevents pollutant runoff from municipal operations.

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TABLE 6-5
BULLITT COUNTY SEWER PROJECTS RANKED BY KIPDA - FY2013

BULLITI	OCCITI OLW	ER PROJECTS RAINED BY	MI DA - 1 12013
PROJECT NUMBER	APPLICANT	PROJECT TITLE	DESCRIPTION
SX20129009	City of Shepherdsville	Shepherdsville Salt River Interceptor Sewer Line (Under Construction)	Will eliminate 5 pump stations: Best Western, Eastview, Centerview, Lakeview and Cedar Grove and includes a duel 8" shiphon crossing the Salt River.
SX20129014	Bullitt County Sanitation District	Bullitt Hills Subdivision & Hillview Wastewater Treatment System (Under Construction)	Improvements to the Hillview wastewater treatment systems numbers 1, 2, and 3 and the Bullitt Hills Subdivision system. Includes repairs to manholes and sewer lines to reduce excessive infiltration and inflow.
SX20129015	Bullitt County Sanitation District	Willabrook Wastewater Treatment Plan Expansion	The Willabrook WWTP requires ex- pansion from the ex- isting 120,000 GPD capacity for future ex- pansion for industry. The BCSD will pur- chase the Jim Beam WWTP for use to ex- pand the plant to 900,000 gallons per day.
SX20129029	City of Shepherdsville		Installation of approx. 5,250 l.f. of 5-ft. diameter stormwater interceptor from the Blue Lick Road area through the Frank E. Simon Park to the Salt River to reduce standing water and infiltration and infow into the sanitary sewer system.
SX20129002	City of Shepherdsville	Shepherdsville Sewer Rehabilitation	Repair and rehabilitate existing sewers to reduce inflow and infiltration
SX20129006	City of Shepherds- ville	Shepherdsville Woodland Acres Package Plant Project	Removal of Woodland Acres package plant.

NATURAL GAS SERVICE

Natural gas service in Bullitt County is provided by Louisville Gas & Electric Company (LG&E). Natural Gas service is available in the north end of Bullitt County including all seven cities in this area as shown on Figure 6-9. Natural gas service is also available in a small section of the southern tip of the county including a part of the City of Lebanon Junction. LG&E has approximately 17,053 residential and 1,087 commercial customers in Bullitt County as of June, 2013.

ELECTRIC SERVICE

Electric service in Bullitt County is provided by three suppliers. These are Kentucky Utilities Company, Louisville Gas & Electric Company and Salt River Electric Cooperative. In 1998, LG&E acquired Kentucky Utilities and both are now owned by PPL Corporation of Allentown, Pennsylvania. Their approximate service areas are shown on Figure 6-10.

SOLID WASTE SERVICE

Each of the incorporated cities in Bullitt County has mandatory door-to-door trash removal and contract for those services independently. Private haulers provide door-to-door collection services in the remainder of Bullitt County. The County operates a registration process, where private haulers must fill out a registration and report form to be submitted no later than February 1st of each year. The registration process and enforcement is managed by the Bullitt County Solid Waste Coordinator. Waste collected in the county is taken to three landfills outside of Bullitt County.

Door-to-door recycling service is available in Hillview, Mount Washington and Shepherdsville. There is no door-to door recycling program available in the remainder of the county. There is a drop-spot for recyclables at the Recycling Center at 1675 South Preston Hwy. for city and county residents. Additionally, cleanup days are scheduled to give the residents of Bullitt County an opportunity to get rid of large items such as: mattresses, old appliances, furniture, etc. On designated days, receptacles are available across the county for disposal of these items. Future plans include the establishment of a recycling center to offer glass recycling and

Bullitt County

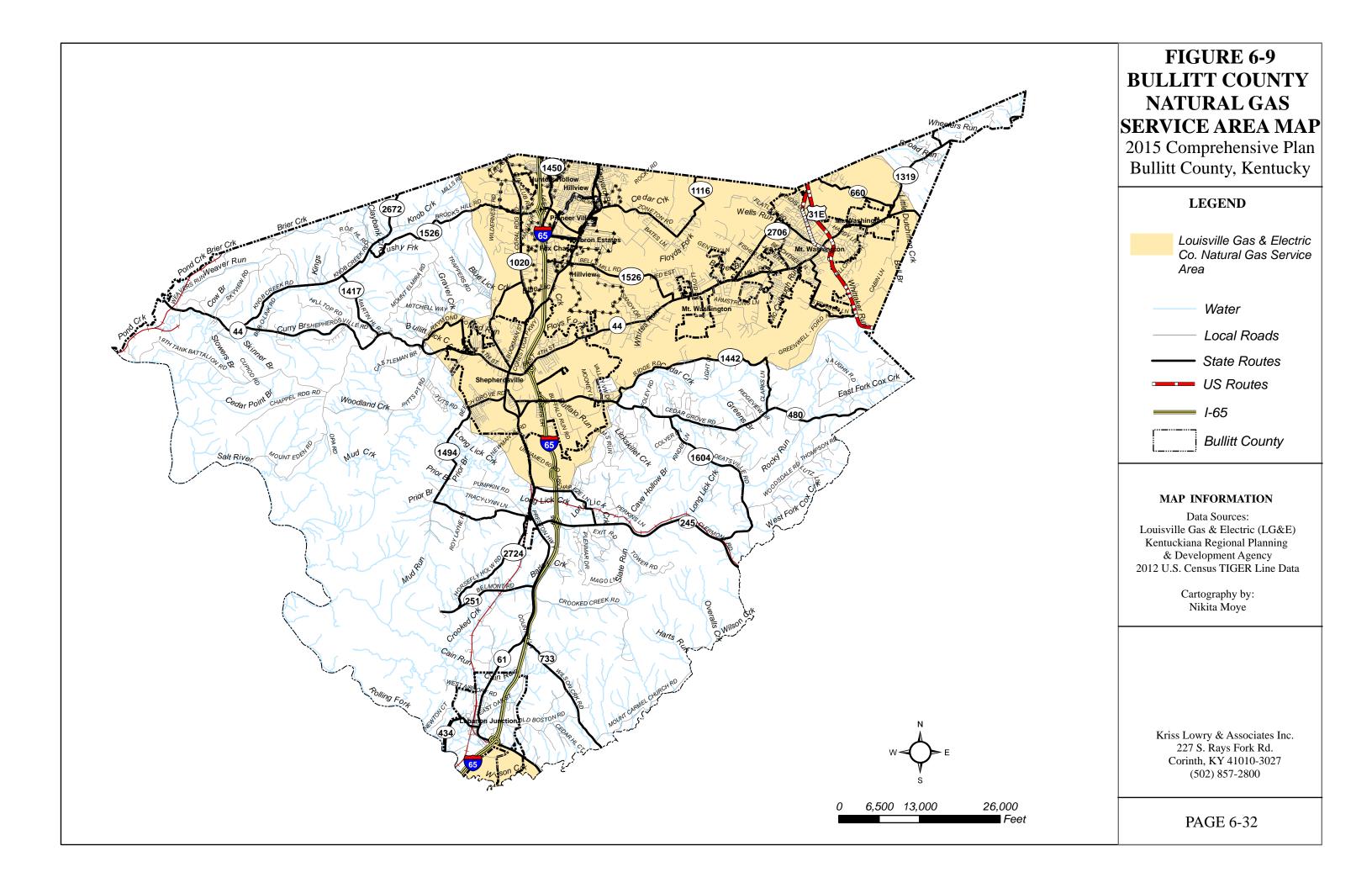


office paper recycling. The county also intends to pursue a partnership with Jefferson County to offer a hazardous waste drop off service for Bullitt County residents.

GOVERNMENT BUILDINGS

Facilities owned by the City of Shepherdsville include the City Government Center located at 634 Conestoga Parkway, Probation and Parole/Fire Department at 170 Frank E. Simon Avenue, the Bullitt County Drug Court at 200 Frank E. Simon Avenue, and the Shepherdsville City Garage located 190 Frank E. Simon Avenue. Facilities owned by the City of Mt. Washington include Mt. Washington City Hall/Water and Sewer at 275 Snapp Street, the City Garage at 385 Evans Lane, the City Council Meeting Hall at 186-A Branham Way and the Public Works Department at 186 Branham Way. Facilities owned by the City of Hillview include the Government Center/City Hall at 283 Crestwood Avenue, the Hillview Public Works Department at 635 Prairie Drive and the Hillview Recreation Department at 298 Prairie Drive. Facilities owned by the City of Lebanon Junction include City Hall at 271 Main Street, the Fire House at 291 Main Street, the Police Department at 276 Main Street and the Public Works building at 100 Masden Road. Facilities owned by the City of Pioneer Village include the City Hall/Community Center located at 4700 Summit Drive.

Facilities owned by Bullitt County include the Bullitt County Courthouse located at 300 S. Buckman Street, the Nina Mooney Annex Building at 149 North Walnut Street, the Bullitt County Detention Center at 1671 S. Preston Highway, the Bullitt County Recycling Center at 1675 S. Preston Highway, the 911 Dispatch Center at 911 N. Walnut Street, the Red Cross Building at 200 Saltwell Court, the EMS Building at 238 Saltwell Road, the Bullitt County Judicial Center at 250 Frank E. Simon Avenue and the Bullitt County Road Department at 1679 S. Preston Highway. There are also a number of regional state and Federal offices located in Bullitt County such as the KIPDA Area Agency on Aging at 220 E. Main St. in Lebanon Junction and KY Child Protective Services at 445 Highway 44 East in Shepherdsville.



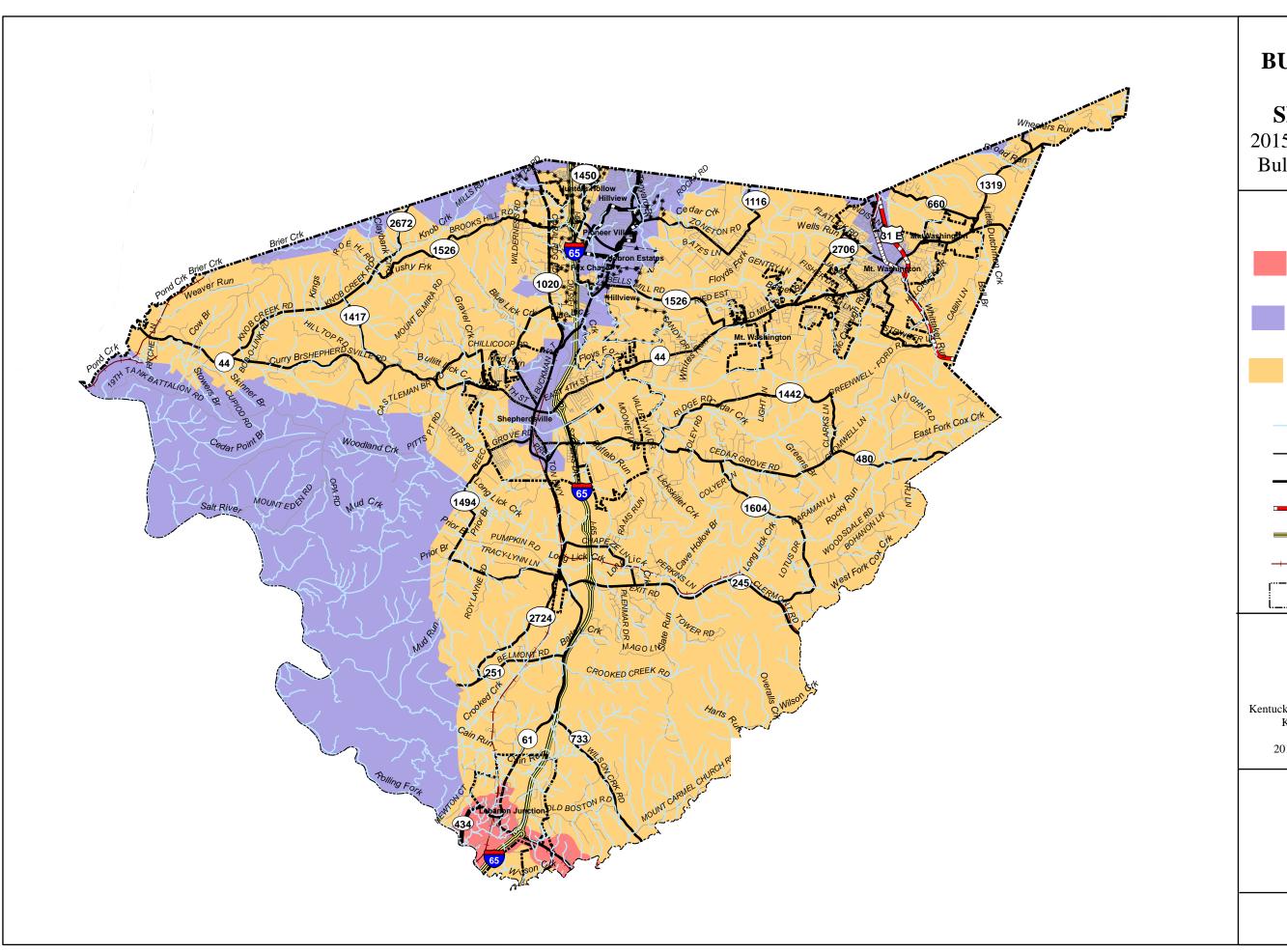


FIGURE 6-10 BULLITT COUNTY ELECTRIC SERVICE AREAS

2015 Comprehensive Plan Bullitt County, Kentucky

LEGEND

Kentucky Utilities Company (KU)

> Louisville Gas and Electric Company (LG&E)

Salt River Electric Cooperative

Water

— Local Roads

State Routes

US Routes

I-65

→ Railroads

Bullitt County

MAP INFORMATION

Data Sources:
Kentucky Division of Geographic Information
Kentuckiana Regional Planning
& Development Agency
2012 US Census TIGER Line Data

Kriss Lowry & Associates Inc. 227 S. Rays Fork Rd. Corinth, KY 41010-3027 (502) 857-2800

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EMERGENCY SERVICES

Emergency services in Bullitt County are dispatched through the Bullitt County E-911 and Communications Center located at the 911 N. Walnut Street in Shepherdsville. It is an enhanced 911 system which uses a fully automated central computer aided dispatch. The Communications Center is staffed 24 hours per day by a supervisor and three to four dispatchers. They provide dispatch services for the following agencies: Bullitt County Sheriff's Department, Shepherdsville Police Department, Mt. Washington Police Department, Hillview Police Department, Pioneer Village Police Department, Lebanon Junction Police Department, Bullitt County Constables, Bullitt County EMA (Emergency Management), Bullitt County EMS, Shepherdsville Fire Department, Zoneton Fire Department, Lebanon Junction Fire Department, Nichols Fire Department, Mt. Washington Fire Department and the Southeast Bullitt Fire Department. The E-911Center can activate the outdoor warning systems for severe weather. There are 27 outdoor warning systems located throughout the county in the highest populated areas.

BULLITT COUNTY EMERGENCY MANAGEMENT AGENCY

The Bullitt County Emergency Management Agency is responsible for coordinating mitigation, preparedness, response and recovery efforts in Bullitt County. This facility is located at 238 Saltwell Drive in Shepherdsville. It is staffed by the Bullitt County Emergency Management Director who is responsible for coordinating mitigation preparedness, response and recovery in Bullitt County and the cities therein.

FIRE PROTECTION

Mount Washington Fire District provides service in and around the City of Mount Washington. The primary service area for each fire department is shown on Figure 6-11. The Mount Washington fire department has 18 full-time firefighters and 30 volunteer firefighters. The fire department has 19 full time staff members that operate out of the following four city fire stations:

Station 1: 772 North Bardstown Rd. Station 2: 3014 Kings Church Rd.

Bullitt County



Station 3: 129 Sunview Dr.

Station 4: 8507 Highway 44 East

Mount Washington has an ISO Public Protection Classification (PPC) rating of 5 to 9 on a scale of 1 to 10. The department responds to all fire calls, medical assists with EMS, motor vehicle accidents, natural disasters, weather related emergencies, hazard material calls, some technical rescue calls, and other various good intent calls, such as gas leaks, carbon monoxide detectors sounding, and utility lines down across the road.

Shepherdsville Fire District provides service for the City of Shepherdsville. The Shepherdsville Fire Department currently employs 11 full time firefighters, three part time firefighters, a full time Fire Marshal, and a full time Fire Chief. The department has two volunteer command officers and 24 volunteer firefighters that operate at two city fire stations:

Station 1: 634 Conestoga Parkway

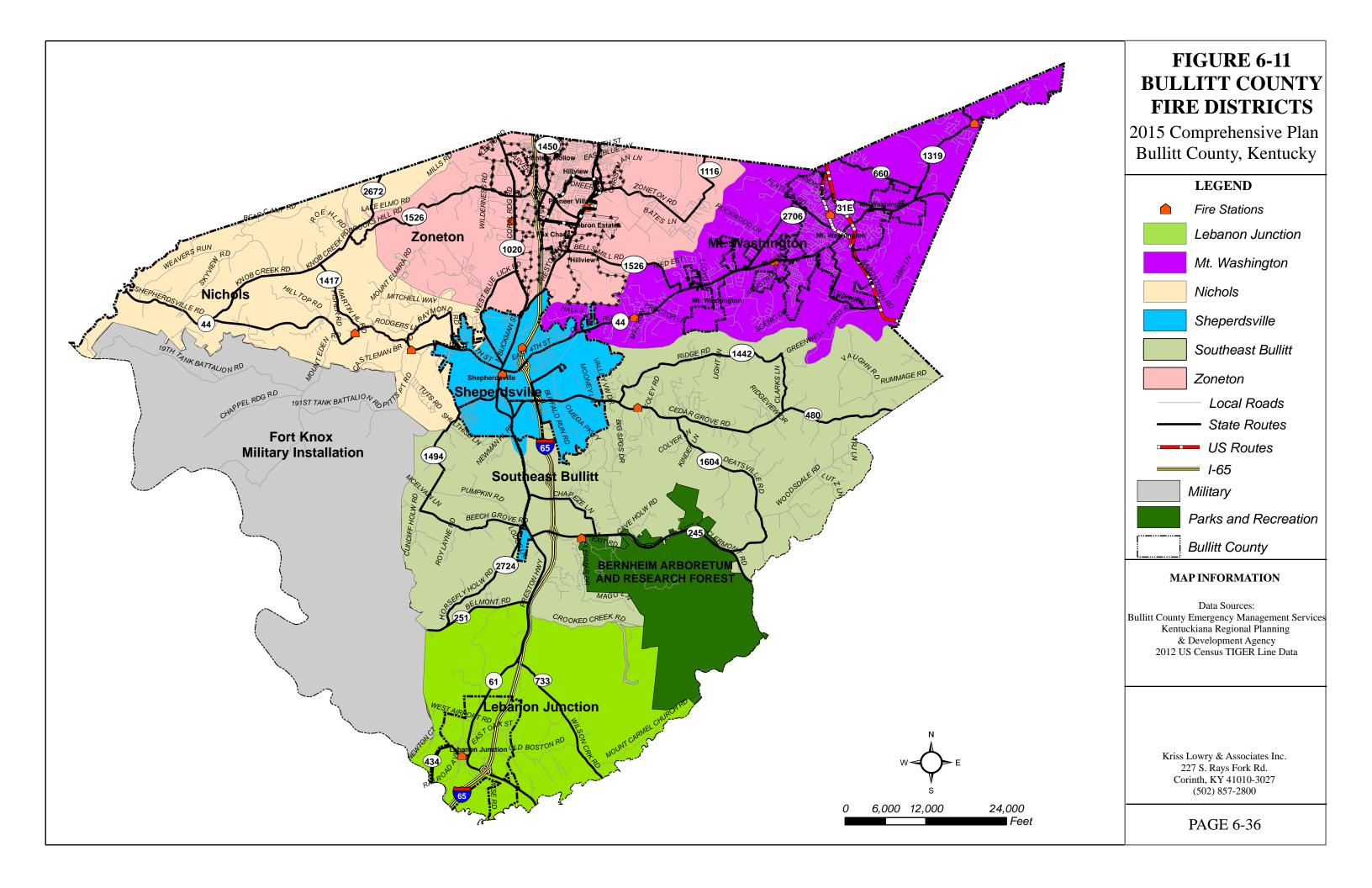
Station 2: 170 Frank E Simon Ave

The department responds to all fire calls, motor vehicle accidents, hazardous materials spills, gas emergencies, medical emergencies, and technical rescue incidents such as water and ice rescue, confined space rescue, vehicle extrication. In addition to emergency response, the department assists the City with fire and building code enforcement and provides inspections for business occupancies. The department is in the process of adding a new fire station on South Preston Hwy by Cooper Run Road. This station would replace the station that is currently at 170 Frank E. Simon.

Zoneton Fire District provides service in and around Hillview, Fox Chase, Pioneer Village, Hebron Estates, and Hunters Hollow. The Zoneton Fire District has nine full-time firefighters and 40 volunteer firefighters. The fire department has 12 full time staff members that operate out of the following two fire stations:

Station 1: 5328 N Preston Hwy

Station 2: 163 Overlook Acres Rd.



The Zoneton Fire District has an ISO rating of four. The department responds to all fire calls, medical emergencies, public assistance calls (electrical and natural gas emergencies), animal rescue, Haz-Mat, natural disasters and motor vehicle accidents.

Southeast Bullitt Fire Department has six full-time firefighters and 34 volunteer firefighters that operate out of the following two fire stations:

Station 1: 128 Ironwood Trail Station 2: 1515 Clermont Road

The Southeast Fire District has an ISO rating of six to nine. The department responds to all fire calls, medical emergencies, public assistance calls, animal rescue, natural disasters and motor vehicle accidents.

Lebanon Junction Volunteer Fire Department provides service in a around Lebanon Junction and has one fire station located at 291 Main Street in Lebanon Junction.

Nichols Volunteer Fire Department has two fire stations. Station 1 is located at 5234 Highway 44 West. Station 2 is located at 4706 Highway 44 West.

POLICE PROTECTION

Police protection within the City of Hillview is provided by the Hillview Police Department located at 283 Crestwood Lane, known as the Hillview Government Center. The Police Department employs 14 full time officer's and 1 part time officer along with one code enforcement officer. Along with police protection services the department provides the following services: Criminal Investigations, D.A.R.E., House Watch and Security Evaluations. Criminal Investigations handles all criminal investigations within the city limits. D.A.R.E. consist of one officer and promotes a positive relationship between the department and local youth. House Watch helps deter property crimes while residents are out of town or away from their homes for prolonged periods of time. Officers are notified of a resident's

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departure and return dates and will make periodic checks on their property to ensure that it is secure. Security Evaluations consists of an officer providing a free risk assessment analysis and suggestions on how to reduce a company's security risk to make the workplace more secure.

Police protection within Shepherdsville is proved by the Shepherdsville Police Department located at 634 Conestoga Parkway. It is staffed by 24 officers and two civilian employees. The department consists of two primary divisions: Patrol and Administrative/Support Services. The Patrol division is composed of four sergeants and 12 officers. The patrol division specializes in public protection, patrol, homeland security, crime prevention, training and education, investigations. The Administrative/Support services division is staffed by one sergeant, three detectives, two officers, two clerks and is responsible for Criminal Investigations, School Resources, and Code Enforcement. The command staff consists of one Chief and one Assistant Chief.

Police protection within Mt. Washington is provided by the Mt. Washington Police Department located at 180 Landis Lane. The Department consists of 15 officers and one full time administrative assistant. The department has four patrol divisions. The patrol divisions specialize in public protection, patrol, crime prevention and investigations.

The Lebanon Junction Police Department located at 276 Main Street provides police protection to the City and consist of 4 full time officers and 2 part-time officers. Police protection within Pioneer Village and Hebron Estates is provided by the Pioneer Village Police Department located at 4700 Summit Drive and consist of 5 full time officers. The City of Hunters Hollow is currently contracting directly with an independent officer from the City of Pioneer Village for 20 hours of patrols per month. The total amount of patrol hours will increase beginning in October, 2013.

The Bullitt County Sheriff's Department is located in the Bullitt County Courthouse on Buckman Street. In addition to providing patrol services in the county and the city of Fox Chase, the Sheriff's Department responsibilities include collection of taxes, court security, warrant and civil process service. In addition,

Kentucky State Police Post 4 which serves Breckinridge, Bullitt, Grayson, Hardin, Jefferson, Larue, Meade, and Nelson is located in the City of Elizabethtown.

BULLITT COUNTY AMBULANCE SERVICE

Emergency and non-emergency ambulance service for all of Bullitt County is provided by the Bullitt County Emergency Management Agency. There are four ambulance stations in Bullitt County. The ambulance station located at 238 Saltwell Road in Shepherdsville is equipped with two ambulances and four personnel including two paramedics, and two emergency medical technicians. The station located at 1505 West Hebron Lane in Shepherdsville, is equipped with one ambulance and two personnel including one paramedic and one emergency medical technician. The ambulance station located at 545 Clermont Road in Shepherdsville is equipped with one ambulance and two emergency medical technicians. The station located at 186 Branham Way in Mount Washington is equipped with one ambulance, one paramedic and one emergency medical technician.

Bullitt County

