

## CHAPTER 6 COMMUNITY FACILITIES

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### INTRODUCTION

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The community facilities of an area are those services and resources designed to sustain and enhance the citizens' quality of life. In addition, many families and businesses look to the availability of these facilities as an important factor in deciding where to live. Community facilities are important to the life and residents of a community. This analysis will identify those services available and analyze their condition. Analysis of community facilities will include: water, sewer, solid waste disposal, telecommunications, other public utilities, recreation, education, health care services, public safety services, and special services/programs.

### INFRASTRUCTURE

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#### WATER AVAILABILITY

A clean, pure supply of water fit for human consumption is one of the elementary essentials needed to sustain human life. The general elements of a water supply system include:

- A source of supply (wells, streams, or lakes).
- A conduit to convey water from the source of supply to the community.
- A treatment plant to remove impurities.
- Storage facilities for usable water.
- A distribution system of pipes to deliver water to consumers.

#### Water Utilities

Within Barren County, three separate water districts supply service to nearly 19,000 customers, see Table 6.1. Local water districts include the Glasgow Water Company, Green River Valley Water District, and Caveland Environmental Authority. Map 6.1 identifies the water service areas for Barren County.

#### Glasgow Water Company

The Glasgow Water Company supplies water service to the residents of Glasgow and most of rural Barren

County. They also sell water to the Fountain Run Water District, Edmonton Water Works, to Caveland Environmental Authority, Allen County Water District and Green River Water District.

Currently the Glasgow Water Company services 17,400 customers. Raw water is withdrawn from the Barren River Reservoir and from Beaver Creek, north of Glasgow. Both of these treatment facilities can produce a combined average flow of 14.5 million gallons per day (mgd). The current average daily consumption for the Glasgow Water Company is 5.59 mgd with a storage capacity in excess of 5.7 mgd. Peak consumption is estimated at 9.0 mgd and the water district currently has over 888 miles of distribution lines servicing Barren County.

Map 6.2 shows the Glasgow Water Company's water distribution system for Barren County. Map 6.3 shows the water company's distribution system for the city of Glasgow. Both maps show the approximate location of the distribution system by water line size. Map 6.4 identifies the location of fire hydrants within the Glasgow Water Company Service Area.

#### Green River Valley Water District

The Green River Valley Water District gets its water from two primary sources, Rio Verde Spring and the Green River. The District currently serves 7,000 customers located in the northern part of Barren County, and parts of Hart, Larue, Green, and Metcalfe counties. The District sells treated water to Munfordville Water Works, Bonneville Water Company, Larue County Water District, Green-Taylor Water District, Horse Cave, and Caveland Environmental Authority.

The water treatment plant operated by the district can produce an average flow of 6.0 MGD. On an average day the plant provides approximately 160,000 gallons of water to its Barren County customers representing only 2.6% of its total daily treatment capacity. They currently have a total storage capacity in excess of 3.0 MGD and maintains 97 miles of distribution lines within the county.

## Caveland Environmental Authority

Caveland Environmental Authority (CEA) supplies water to the residents of Park City, Cave City, and the Mammoth Cave area.

CEA services 1,600 customers with treated water purchased from the Glasgow Water Company. The current average daily consumption is 300,000 gallons with storage capacity of just over 1,000,000. The water district maintains over 62 miles of distribution lines.

**Table 6.1:**  
**Water Utility Information**

	Glasgow Water Company	Green River Valley Water District	Caveland Environmental Authority
# Customers	17,400	957	1,600
Treatment Capacity (gal/day)	14,500,000	6,000,000	300,000
Storage Capacity (gal)	5,723,000	3,000,000	1,000,000
Average Daily Consumption (gal)	5,590,000	160,000	300,000
Distribution Lines (mi)	888	97	62
Line Average Pressure (psi)	65	65	78
# Employees	54	27	23

Source: Local Utility Companies, 2019

## Future Water Projects

A number of future water projects currently proposed within Barren County have been identified by the Kentucky Infrastructure Authority (KIA). KIA was created in 1988 to provide the mechanism for funding construction of local public works projects. Information regarding water districts and proposed projects can be found at <http://kia.ky.gov>.

## WASTEWATER TREATMENT

### Wastewater Utilities

Within Barren County, two separate utilities supply sanitary sewage services to over 8,000 customers. Local utilities include the Glasgow Water Company and Caveland Environmental Authority. Map 6.5 identifies the sanitary sewer service areas within Barren County.

## Glasgow Water Company

The Glasgow Water Company operates a sanitary sewer system which serves the residences, businesses, and industry within the Glasgow corporate limits. The system has 6,400 customers and 146 miles of sewer lines. In addition the Glasgow Water Company serves specific areas in the unincorporated portion of Barren County. The sewage treatment plant discharges into Huggins Branch and was constructed in 1974. The current capacity of the treatment facility is 4.0 million gallons per day (mgd) with peak wet-flow capacity reaching 10.0 mgd. A major upgrade to the wastewater treatment plant was completed in 2015. The project involved the installation of more efficient screening and clarification processes as well as new pumping and electrical systems. In addition, a peak storage structure was constructed to attenuate the increased volume of flow the plant receives during wet-weather events. The wet-weather capacity was increased from 6 MGD to 10 MGD. Future plans include increasing the treatment capacity from 4 MGD to 6 MGD.

Since 2004 Glasgow Water Company has expanded sanitary sewer lines into areas of unincorporated Barren County which include Barren River Resort State Park and several elementary schools within Barren County, see Map 6.5. Map 6.6 shows the company's current sanitary sewer system within the city of Glasgow.

## ELECTRICITY

Barren County is currently comprised of five electric supply companies. Those companies are: Kentucky Utilities (KU), Farmers Rural Electric Cooperative Corporation (FRECC), Glasgow Electric Plant Board (EPB), Tri-County Electric and Warren Rural Electric Cooperative Corporation (WRECC). Map 6.7 shows the applicable electric utility service areas for Barren County.

### Farmers Rural Electric Cooperative

Farmers Rural Electric Cooperative Corporation (FRECC) is the largest service area provider in rural Barren County, providing electrical services to rural Hart and Metcalfe County and small portions of five other counties (Adair, Edmonson, Grayson, Green and Larue). Farmers RECC serves approximately 427 of the 500 square miles in Barren County, see

Table 6.2. Farmers RECC also serves the largest number of customers within Barren County at 14,129 and made available more than 320 million kilowatt hours (kWh) of electricity during the past year.

### Tri-County Electric

Tri-County Electric is the second largest service area suppliers in rural Barren County, serving approximately 36 square miles. In addition to serving southern Barren County, Tri-County also serves Monroe, Allen, Cumberland Counties and southern portions of Metcalfe and Adair County as well as 14 counties in Tennessee. Tri-County Electric services approximately 535 customers within Barren County.

### Glasgow Electric Plant Board

The Glasgow Electric Plant Board (EPB) is the third largest service area provider and the largest kWh provider within Barren County. As seen in Map 6.7, the EPB's largest amount of customers is in the Glasgow city limits with few service portions in the unincorporated area of the County. The EPB services approximately 15 square miles and 7,490 customers.

### Kentucky Utilities

Kentucky Utilities (KU), a subsidiary of LG&E Energy, as of 2010 was acquired by PPL Corporation. The formal name of the company is now LG&E & KU Energy, LLC. KU now currently serves 512,000 electric customers in Kentucky and they serve 1,326 customers in rural Barren County and portions of Cave City. KU's total service area is 4,800 noncontiguous square miles, with approximately 15 square miles within Barren County.

### Warren Rural Electric Cooperative

Warren Rural Electric Cooperative (WRECC) provides service to 8 local counties including a portion of northwest Barren County. In 2018, WRECC produced more than 7 million kWh for Barren County customers. WRECC has over 5,400 miles distribution lines in eight counties and approximately serves 420 customers in rural Barren County. WRECC covers approximately 8.6 square miles in rural Barren County.

**Table 6.2:**  
**Electric Utility Information**

Utility	Customers	kWh used (millions)	Service Area (sq. mi.)	% of County Served
FRECC	14,129	363.9	433	85.4%
EPB	7,490	280.5	15	3.0%
Tri-County	535	10.9	36	7.2%
KU	1,326	22.3	11.5	2.3%
WRECC	420	7.3	10.5	2.1%

Source: Local Utility Companies, 2019

## NATURAL GAS

There are two natural gas companies serving parts of Barren County, Atmos Energy and Tennessee Gas Pipeline Company, and seven large transmission pipelines (24"-42") carrying natural gas across the County. Atmos Energy serves over 6,365 customers within Barren County, including Glasgow, Cave City, Park City, and Hiseville. Tennessee Gas serves many asphalt companies near the Mammoth Cave Area. Map 6.8 shows the natural gas service areas within Barren County.

## SOLID WASTE MANAGEMENT

### WASTE COLLECTION

The Cities of Glasgow, Cave City, and Park City operate a mandatory sanitation service for residential collection of waste. The Cities also serve small commercial uses. Private haulers account for all other collection services in the unincorporated areas of Barren County. Private haulers also perform the collection from all industrial sites and some contracted commercial sites.

### GLASGOW REGIONAL LANDFILL

In 1993, the Kentucky State Law that regulates landfills was amended and the revised law mandated that all future landfills would be contained landfills. Contained landfills have to be lined with plastic, have test wells, and collector drainage system. The leachate from the landfill is pumped out and processed as waste water. In September 1993, the city of Glasgow opened one of the first dual synthetic-lined landfills in the state of Kentucky.

The landfill accepts over 104,000 tons of waste annually and is permitted to serve the disposal needs of sixteen counties in South Central Kentucky. The current estimated capacity of the landfill for 2018 is approximately 2,013,000 cubic yards consumed and approximately 1,687,000 cubic yards remaining. With the current construction projects, the Glasgow Regional Landfill is expected to meet the solid waste disposal needs of Barren County for the next 25 to 35 years. A new cell is currently being constructed within the landfill, and once operational will add approximately 1,280,000 cubic yards to the total capacity.

In 2013 the City of Glasgow Public Works Department began collecting methane gas from the landfill as a means of producing electricity for local utilities and the community.

## RECYCLING

A concerted effort should be made to reduce, reuse, recycle and compost our solid waste. Recycling conserves our natural resources, adds life to our landfill and holds down the cost of garbage collection and taxes. The city of Glasgow offers its residents the most convenient way of recycling; curbside recycling. A dumpster is provided for county residents to participate in recycling at Southgate Plaza on Saturdays between 9 a.m. and 3 p.m.

Items that are accepted for recycling include: clear, brown and green glass, aluminum cans, steel cans, newspapers, office papers, cardboard and grade #1-2 plastics. Appliances may be delivered to the landfill for recycling during regular operation hours. Appliances accepted include: washers, dryers, stoves, water heaters, and dishwashers.

A truck is available to Glasgow city businesses three days a week for collecting recyclables. This pick-up program works on a call-in basis. County residents are urged to participate in a drop-off recycling program.

## PUBLIC SAFETY SERVICES

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Barren County has three City Police Departments, a County Sheriff's Department, ten Fire Departments, Rescue Services and an Ambulance Service.

## EMERGENCY SERVICE(S)

### 911 Center

In 1994, a joint E-911 facility was created for Barren and Metcalfe County. The 911 facility receives calls for all emergency agencies 24 hours a day. The E-911 system uses a Geographic Information System (GIS) to recognize a location or address. Within that database, the person(s) number, address and location can be produced in digital format on a computer screen, instantly showing the operator what unit needs to be sent. This E-911 facility was one of the first in the state in having digital maps produced for use.

### Barren-Metcalfe Emergency Medical Services (EMS)

The Barren-Metcalfe EMS provides both Advanced and Basic Life Support emergency and non-emergency services primarily to Barren and Metcalfe counties and the cities located therein and on a mutual aid basis to surrounding counties. There are two EMS stations located in Glasgow: 70 East Main Street and 100 Airport Drive. A third station is located in Edmonton on Industrial Drive. These stations are staffed by a total of thirty seven (37) full time and thirty eight (38) part time EMTs and Paramedics operating five ambulances in Barren County and one ambulance in Metcalfe County along with eight office staff members.

Additionally, an air-medical helicopter owned and operated by Air Methods of Kentucky is based at the Airport Drive Station. This service is staffed by a pilot and two air-medical flight personnel on a seven day a week, twenty four hour a day schedule and provides air medical scene and intra-facility air medical transportation of the critically ill and/or injured to trauma centers and /or other specialized medical facilities within Kentucky and Tennessee. Fixed wing air medical transportation to distant medical facilities is also available on a scheduled basis.

The E-911 Center maintains both telephone and radio communication with EMS and other emergency service agencies to provide and/or forward necessary information on any type of situation.

### LAW ENFORCEMENT AGENCIES

The purpose of the law enforcement agencies is to protect the community from crimes against persons and their properties.



## Glasgow Police Department

The Glasgow Police Department provides protection for Glasgow City residents. The Glasgow Police Department has 36 sworn officers with 36 police cruisers and 5 unmarked vehicles. The Police Department also has 1 special emergency response vehicles, 1 mobile command post, 4 regular generators and 1 emergency generator with a lighting system. As seen in Table 6.4, there are approximately 2.5 officers per every 1000 Glasgow residents.

## Cave City Police Department

Cave City Police Department serves and protects citizens within the city limits of Cave City. They currently have 7 sworn officers and 7 police cruisers. There are approximately 3.12 officers per every 1,000 Cave City residents.

## Park City Police Department

Currently there are 553 citizens in this city. There is 1 sworn police officer and 1 police cruiser.

## Barren County Sheriff Department

The Barren County Sheriff's Office comprises a sheriff, 9 patrol officers, 2 detectives, 1 transportation officer, 4 school officer, and 19 County cruisers/enforcement vehicles. The sheriff's department primary responsibility is the prevention of crime outside the Glasgow, Cave City and Park City limits and inside the County line. Currently, Barren County has one uniform officer for every 4,908 citizens of the County; see Table 6.4.

**Table 6.3:**  
**Public Safety Department Information**

Public Safety Departments	Number Officers	Officers per 1,000 Persons	Officers per square mile
Glasgow Police Department	36	2.5	2.3
Cave City Police Department	7	3.12	1.6
Park City Police Department	1	1.8	0.67
Barren County Sheriff Department	9	0.2	0.018

Source: Local Public Safety Departments, 2019

## Kentucky State Police

The nearest Kentucky State Police (KSP) Post is Post 3 located at 3119 Nashville Road in Bowling Green, Kentucky. KSP Post 3 is responsible for providing service to Allen, Barren, Butler, Edmonson, Hart, Logan, Simpson, and Warren County. Currently 3 State Troopers are assigned to Barren County and the post consists of a total of 31 road troopers, 9 detectives, and 7 supervisors.

## Drug Task Force

The Barren River Drug Task Force was formed on July 1, 2003 through an agreement between the Barren County Fiscal Court, City of Glasgow and the City of Cave City. The local agencies each committed law enforcement personnel and support to comprise the Task Force. Since the inception of the Task Force, the Allen County Sheriff's Department and the Scottsville Police Department became members in 2013. The Drug Task Force is now comprised of the Barren County Sheriff's Department, Glasgow Police Department, Cave City Police Department, Allen County Sheriff's Department and the Scottsville Police Department. Five law enforcement agencies in two counties now work together to combat importation and trafficking of illegal drugs in our communities. The Drug Task Force is funded by the (90%) Burne-JAG (Justice Assistance Grant) and (10%) from the participating agencies. The Task Force is governed by a Board of Directors comprised of Public Officials (Mayors, Judge Executives, Sheriffs, Chiefs, Prosecutors, etc.) who are all members of the community.

The Drug Task Force is committed to the suppression of illegal drugs and narcotics by supporting the combined efforts of local, state and federal agencies, and by actively pursuing those groups or individuals who manufacture, distribute or sell illegal drugs within Barren and Allen County. The Drug Task Force responds to complaints from both citizens and police agencies in reference to illegal drug trafficking and abuse and have detectives trained in the dismantling of clandestine meth labs. The Drug Task Force works in cooperation with the Kentucky State Police (KSP), Alcohol, Tobacco and Firearms (ATF), Drug Enforcement Administration (DEA) and other local, state and federal agencies in efforts to reduce drugs and their related crimes in Barren and Allen County.

The Drug Task Force provides drug educational programs to schools, civic organizations, public and

private entities on current drug trends along with signs and symptoms of drug abuse. The Drug Task Force is continuing to update technology in assisting detectives to battle the ever changing drug trafficking trends, to provide the most current training available and provide the safest equipment needed to achieve the task. The Drug Task Force is currently comprised of 7 narcotic detectives, 1 federal agent, 1 administrative specialist and a director.

### **Barren County Correctional Center**

Barren County currently operates an incarceration facility at 201 Samson Street in Glasgow. Currently there are 36 full time, 7 part time officers and 1 full time nurse employed by the corrections center. In 2011 construction was completed on the new facility which allowed for an additional 59 beds for a total of 178. Currently the jail averages 180 to 185 inmates per day .

### **FIRE PROTECTION AGENCIES**

The purpose of the fire protection system is to protect people, buildings, land and any other objects necessary from damage and destruction by fire. There are nearly 250 individuals, both paid and volunteer, providing fire protection services to our community.

#### **Standards**

The Insurance Services Office (ISO) prepares a classification system to help insurance companies charge appropriate fire insurance premiums for residential and commercial properties. The ISO looks at a community's fire protection capability and assigns a rating from 1 to 10, with 1 being the best protection and 10 being the worst protection. This evaluation and rating not only aids insurance companies in their efforts but also provides valuable information to local governments on how best to improve their fire protection capabilities by eliminating deficiencies.

The evaluation examines various factors to arrive at their rating. The fire department review consists of 50% of the rating. Criteria in this area includes the number of firefighters and how well they are trained, the availability and maintenance of equipment and supplies, how the fire companies are distributed throughout the community and their ability to respond in a timely manner, and other items that pertain to the operation of the fire department.

The evaluation reviews the efficiency of the fire alarm and dispatch system. This criterion consists of 10% of the rating. The operations of the communications center, the staffing, the quality of the equipment and services, as well as other items are reviewed to determine if the system can notify the firefighters in the quickest possible manner for response to the alarm.

The water supply system accounts for 40% of the rating. The infrastructure is examined to determine if it is adequate, if there is an adequate supply of water beyond consumption to fight fires, if hydrants are properly located for accessibility to fight fires in developed areas, and if pressure is sufficient for the fire suppression needs.

In order for the County to obtain the best possible fire insurance ratings, individual fire protection districts have been established, see Map 6.9. As zones are upgraded, they individually apply for lower ratings. The fire ratings in Barren County are between Class 4 and Class 9. It is extremely important that we plan for future growth and identify community facility needs in an effort to maintain the best fire insurance ratings possible.

### **Glasgow Fire Department**

The Glasgow Fire Department has two fire stations, 36 full-time firefighters, and 3 full-time command staff. The fire department has a Class 2 ISO rating. The department has one 1,500 gallon per minute (gpm) pumper with a 1,000 gallon tank, one 1,250 gallon per minute (gpm) pumpers with a 500 gallon tank, one 1,250 gallon per minute Pumper with a 1,000 gallon tank, one 77 foot aerial truck with a 1,500 gallon per minute (gpm) pump with a 500 gallon tank, and one 75 foot aerial 1,500 gallon per minute (gpm) pumper with a 500 gallon tank. The department has one hazardous materials response trailer that is equipped with hazardous materials response equipment, a command post, and a SCBA refill station. One technical rescue trailer is equipped for trench and confined space rescue responses. The department has three command staff vehicles, and two support vehicles.

### **Temple Hill Volunteer Fire Department**

The Temple Hill Volunteer Fire Department (VFD) has 2 fire stations, both being a Class 5/9. Class 5 representing service areas within 1000 feet of a fire hydrant and Class 9 representing service areas outside of 1000 feet of a fire hydrant. The department

has a total of 20 firefighters, one 1,250 gpm pumper tanker that holds 500 gallons, one tanker with 500 gallon tank, one 1,500 gallon tanker, two brush trucks and two 1 ton rescue truck that has a 350 gpm tanker attached.

#### **East Barren Volunteer Fire Department**

The East Barren VFD has one station and is a Class 5/9 with 28 firefighters. The department has 3 pumper trucks, one 1250 gpm pumper with a 1,000 gallon tank, one 1,000 gpm pumper with a 750 gallon tank and an additional pumper truck. One Rescue Pumper, one tanker, one brush truck and one medical truck.

#### **South Barren Volunteer Fire Department**

The South Barren VFD has 2 stations with a total of 15 firefighters and is a Class 7/9. The department has a 500 gallon pumper, three additional rescue pumpers, two tankers, and one brush truck.

#### **Hiseville Volunteer Fire Department**

The Hiseville VFD has two stations with a total of 18 firefighters and is a Class 6/9. The departments inventory is as follows, one 250 gpm, 2,000 gallon tanker, two brush trucks, a 1250 gpm, 1,000 gallon pumper, a 1,000 gpm, 1,000 gallon pumper, and a 1,000 gpm, 650 gallon pumper.

#### **Haywood Volunteer Fire Department**

Haywood VFD has one station with 19 firefighters and is a Class 6/9. The department has two pumpers, one with a 1,250 gpm and a 1,000 gal tank and one with a 1500 gpm and 500 gallon tank, one tanker with a 1,250 gpm and a 200 gal tank.

#### **Austin Volunteer Fire Department**

The Austin VFD has two stations with 25 total firefighters and is a Class 6/9. Austin VFD has three pumpers: one 1,500 gpm with a 750 gallon tank, one 1,000 gpm with a 500 gallon tank, and one 1,500 gpm with a 500 gallon tank, one tanker with a 2,000 gal tank, one pumper/tanker with a 500 gpm and a 2,000 gal tank, one engine and two brush trucks each with a 200 gallon tank and one rescue boat and a mobile air unit.

#### **Park City Volunteer Fire Department**

Park City VFD has one station with 20 firefighters and is a Class 6/9. The inventory of the department is as follows: a 750 gallon pumper, a 1,000 gallon, 1,250 gpm pumper, an additional pumper, one brush truck and one tanker.

#### **Cave City Volunteer Fire Department**

Cave City VFD has one station with 29 total firefighters and is a Class 6/9. The department has three pumpers two with 1,000 gpm and 750 gallon tanks and one with a 1,250 gpm and a 1,000 gallon tank, one brush truck with a 250 gallon tank, one brush truck with a 350 gallon tank and one rescue truck.

### **EMERGENCY MANAGEMENT AGENCY**

The Barren County Emergency Management Agency is responsible for coordinating all local disaster and emergency response teams within the County. The Agency has a full-time director in charge of the organizations local Emergency Operations Plan (EOP) and other matters pertaining to the comprehensive emergency management program. The Agency is also supported by other public safety organizations and volunteer staff trained to respond to various emergency situations. The Emergency Management Agency is an essential part of the public safety services available in Barren County.

#### **Emergency Operations Plan (EOP)**

The local Emergency Operations Plan (EOP) is a component of the integrated emergency management system of the Commonwealth, and subject to the Kentucky Emergency Operations Plan. The EOP defines the operation procedures of the Emergency Operations Center (EOC) during an emergency. The EOC is located on the third floor of the County Government Center building. The EOP establishes policies and provisions for coordinating local, state and federal emergency responses to natural, technological or war related disasters and emergencies. The Plan is effective for planning purposes and operations when so desired: (1) an emergency is declared by the County Judge Executive or Mayor(s), (2) an emergency/disaster occurs or is imminent, (3) directed by the Emergency Management Director or representative.

## Situations and Assumptions

### Situations

- Barren County is subjected to a variety of natural/technological hazards and must contend with the possibility of an urban/terrorist attack.
- Winter snow and ice storms can occasionally restrict highway transportation; however tornadoes are the most prevalent weather related hazards.
- A nuclear enrichment plant is located in Paducah, KY as well as nuclear power plants located in Ohio and Tennessee. Industry, medical institutions and educational centers employ other radioactive materials that can travel across the region.
- Pipelines of varying size carry gas across the County, which can increase the probability of an occurrence of a hazardous material incident near urban areas. Such releases of hazardous materials can have little or short term effects on the ecology of the County and could result in the loss of lives and permanent property damage.

### Assumptions

- The federal government will provide funds and assistance to areas of the Commonwealth that has been declared a major disaster area by the President in accordance with the Federal Emergency Management Agency (FEMA).
- Barren County has several acres of forest and grasslands that vary in size. These are all subject to catching fire during dry seasons ranging from minor to severe.
- The County could be directly or indirectly impacted by war and the use of weapons of mass destruction. The County, during a major conventional war, would also become part of the total national war effort, which could include economic controls and rationing.
- Another potential source for a serious accident is the CSX System rail line and the local truck networks. Accidents involving these types of transportation with certain materials could include fires, explosions, pollution, leaks, spillages and other effects that are dangerous to people and the environment.

- Major structural fires could occur in residential and industrial locations. Multi-story buildings could be particularly vulnerable to this threat.

In 2013 construction was completed on ten tornado safe room locations. These “safe rooms” are available for the public to offer shelter during the threat of severe weather. Map 6.15 shows the locations for these shelters. The address and coordinates for these sites are as follows:

South Barren Volunteer Fire Department at Becton  
6200 Old Bowling Green Rd., Glasgow, KY 42141  
N36.987502, W86.016172

East Barren VFD Site  
761 Hollis Thomas Road, Glasgow, Kentucky 42141  
N36.983496, W85.833088

Red Cross South Barren VFD Site  
197 Steam Mill Road, Smiths Grove, Kentucky  
42171  
N36.976294, W86.085838

Haywood VFD Site  
67 Matthews Mill Road, Glasgow, Kentucky 42141  
N36.945092, W85.972703

Temple Hill VFD Site on Roseville Road  
7694 Roseville Road, Glasgow, Kentucky 42141  
N36.882874, W85.927462

Temple Hill VFD Site  
8543 Tompkinsville Road, Glasgow, Kentucky  
42141  
N36.888441, W85.850331

Hiseville VFD, Tick Ridge Station Site  
728 Rick Ridge Road, Glasgow, Kentucky 42141  
N37.051595, W85.88367

Park City Volunteer Fire Department (2 shelters at this location)  
24408 Louisville Rd., Park City, Kentucky 42160  
N36.094381, W86.04623

Doyle Park Site  
111 Reynolds St. Cave City, Kentucky 42127  
N37.13811, W85.964613

Cave City Public Works Department  
405 Wall Street, Cave City, KY 42127  
N37.133363, W85.950186

## TELECOMMUNICATIONS

Telephone, radio, television and the internet comprise the telecommunication systems of Barren County. These systems are vital to the education, entertainment, social and economic wellbeing of the community. We are obligated to provide our citizens the most efficient system for almost instantaneous two-way communications between persons in non face-to-face situations. The flow of information should include audio, video and data in either private or public communication avenues.

Service providers come in an array of types and sizes, from the independent, local utility, and national conglomerates. Regulations are mainly at the federal and state level except in the realm of cellular towers. Land use, rights-of-way management, zoning, and economic development must be addressed in technology master planning. Communities actively engaged in technology planning as an economic tool will surely outpace those with no planning. As an example, the Kentucky Housing Corporation (KHC) recognizes the value of designing housing for future enhanced telecommunications. In January 2004, the agency adopted a universal design policy that requires wiring for Internet access in all new construction and reconstruction on housing units with more than 50 percent KHC financing.

### RADIO SUPPLY

Table 6.5 list the current active radio stations registered with the Federal Communications Commission to serve Barren County.

### TELEPHONE SUPPLY

Currently there are three telephone utility companies that maintain and/or provide service facilities for Barren County: Windstream, South Central Rural Telephone Cooperative Corporation, and South Central Telcom. See Map 6.10 for telephone utility service areas within Barren County.

### CELLULAR ANTENNA TOWERS, PCS FACILITIES AND SATELLITE DISHES

The siting of cellular antenna towers, Personal Communications System (PCS) facilities and satellite dishes should be subject to local review and approval. A portion of this Plan recommendation has been implemented and the Joint City-County Planning

Commission has been reviewing cellular tower facilities since January, 2000.

**Table 6.4:**  
***Radio Stations Serving Barren County***

Call Letters	Frequency	
	AM	FM
WCDS	1230	
WCLU	1490	102.3
WSGP		88.3
WZVK		89.3
W218CM		91.5
WLYE		94.1
W239BT		95.7
W259CK		97.3
W251BT		98.1
W253BN		98.5
W259CK		99.7
W276DO		103.1
WHHT		103.7
W284DH		104.7
WPTQ		105.3
WOVO		106.3

Source: Federal Communications Commission, 2019

### Telecommunications Act of 1996

The federal *Telecommunications Act of 1996* severely restricted, to the point of preempting local control, the ability of local authorities to control satellite dish placement for aesthetic reasons. Local authorities have no control over satellite dishes 1 meter (3.28 feet) or less in diameter in residential areas and 2 meters (6.56 feet) or less in commercial areas.

Prior to July 15, 1998, cellular towers and their facilities were subject to local review and control only when located in Jefferson County, KY. Effective July 15, 1998, House Bill (H.B.) 168 then extended local review to the jurisdiction of local planning commissions registered with the Kentucky Public Service Commission (PSC). The PSC would either: (1) reject the proposal if it determined that the public convenience and necessity did not require the proposed facility; (2) Issue a Certificate of Public Convenience and Necessity (CPCN) upon an acceptance of the proposal by the local planning commission; or (3) override a negative decision of the planning commission and issue a CPCN for the

proposed facility, if it determined that there was no acceptable alternative site and that the public convenience and necessity required the proposed construction. Subsequently with the adoption of H.B. 270, effective April 23, 2002, the authority over regulating the placement of cell towers is now placed with local planning commissions by removing the authority of the PSC to override their decisions. H.B. 270 significantly changed the way applications to construct cellular towers are made and reviewed in Kentucky.

Sites for cellular antenna towers, Personal Communication Services (PCS), satellite dishes, and other similar technology that may be developed, should be examined and evaluated through technology such as GIS and computer imaging. GIS can be used to locate optimal sites for facilities while computer imaging permits creation of visual models of proposed facilities. Map 6.11 shows the approximate locations of identified cellular antenna towers, broadcast / communication towers, and water tanks with co-locates within Barren County. The Planning Commission also maintains a database relating to tower information that can be downloaded from the Commission's website.

In order to minimize the proliferation of cellular antenna tower facilities, service providers should be required, where feasible, to share towers and site facilities. Whenever possible, service providers should be required to use existing structures or facilities that meet all of the requirements of the proposed installation, i.e. water towers, radio and television towers, tall buildings, commercial signs, etc. Aesthetic issues are prominent and will need to be addressed at the local level. It will be important also, as new technology make such towers or other facilities unnecessary, to assure their removal and disposal. Minimum design standards should be developed by the Planning Commission and used when evaluating the siting of such facilities.

## **INFORMATION TECHNOLOGY**

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### **GENERAL**

The purpose of this section is to provide information and insight into the issues concerning the use and development of a significant topic of importance for Barren County: the rapidly developing field of information technology (IT) and its accompanying infrastructure. IT's impact on communities is tremendous in scope and requires much planning and

education in order to be prepared to address these new and rapidly changing technologies and their related issues. This section will present some basic background information about the most significant issues at present and will make recommendations for addressing them and other rapidly developing technologies both now and in the future.

### **A NEW INFRASTRUCTURE**

Initially, many people regard new technologies as intimidating, impersonal and intrusive. However, there has been a great change in attitudes toward such common technologies as voicemail, e-mail, social media, and others when they are well-designed and easy to use. As cutting edge information technologies continue to be developed, they too may be regarded as commonplace and essential, and therefore, expected by citizens.

The importance of making these tools convenient for use cannot be underestimated. When the telephone was first introduced, growth of its use was so explosive that an industry executive predicted everyone would need to become a telephone operator in order to handle the demand for service. That is, of course, exactly what happened. The technology developed to a level that was easy to use, permitting average citizens to make their own calls. The same will be true of the technologies under development today.

Today, IT already plays a significant role in public safety, economic development, entertainment, work, communication, and education. And IT will continue to expand its presence in the public areas of the daily lives of our citizenry. But, the coincident increase in use of computers by average citizens along with the enormous growth in the use of the internet has fueled one of the most substantial infrastructure development periods in decades. We must realize that we are witnessing the leading edge of a new infrastructure much like the railroads, the interstate highway system, and the water, sewer, telephone, and gas and electric utilities.

As Barren County looks toward the future, it is crucial that the community develops and has in place the knowledge and guidelines necessary for the process of planning for the expanding use of these technologies. Recent federal and state legislation has already impacted the ability of local authorities to address these issues. The potential impact of ignoring these developments would be costly to Barren County not only by means of physical cost, but also

through the loss of opportunities for growth. The Comprehensive Plan is an appropriate means to address these issues and to develop recommendations for the future.

## TWO GUIDING THEMES

Two overall themes have arisen regarding information technology. These themes are:

- The desire for “Universal Access” to the various information technologies; and
- The linking of information technology and infrastructure to four essential elements of the Comprehensive Plan:
  - Economic Development
  - Transportation
  - Community Facilities - Utilities
  - Land Use

### Universal Access

The concept of “Universal Access” is defined as “the ability of every citizen to have access to information technology and infrastructure developments.” This does not necessarily mean a computer or Internet access in every home, but the ability for every citizen to have such access if so desired. Barren County is considered by some, a wired community because of the availability of local utility providers that offer high-speed internet capability through broadband networks. Currently many people are already utilizing this high-speed technology while some others still utilize dial-up access.

Another example of new technology allowing universal access is wireless or “Wi-Fi”. Wi-Fi devices are proliferating at an amazing rate because this technology allows laptop computers and handheld devices to send and receive email and access the internet, or other networks, without being connected directly by wire or cord. Locally this technology has become reality. The Glasgow Electric Plant Board, a local utility provider, has created Wi-Fi access points known as “hot spots” throughout the community. The first of these “hot spots” was located on the Glasgow Public Square around the Courthouse. In the future, this type of access could prove very beneficial to the social and economic development of Barren County.

## Linking to the Comprehensive Plan

Initially, the best way to incorporate these issues and concerns into the Comprehensive Plan is to begin by relating them to the plan's goals and objectives and the required elements of the Comprehensive Plan. The following paragraphs are meant to describe some potential benefits that could be realized through the implementation of information technologies.

### Economic Development

As the world continues to rely more and more heavily on information technologies, Barren County must keep pace, if not exceed, in order to attract new industries and jobs. Not only are the older, traditional manufacturers implementing various forms of newer and emerging technologies, but also entire new industries and manufacturing segments are predicated on them.

Most, if not all, businesses today are currently utilizing IT in one form or another. From the fast food restaurant that accepts orders via the internet to the manufacturer that relies on automation to control production, IT is now an integral part of modern business. As our society transitions from a “brick-and-mortar” economy to that of an online economy, both businesses and citizens of Barren County will demand the infrastructure be readily available. The attraction of new employers, especially those in the higher wage category as “tech” companies, to the county may very well depend on our ability to provide it.

Further, new and emerging technologies are completely restructuring the traditional working environment. Workers are now able to work remotely, on-site and from home, removing the need for the traditional office space. Shared offices and work spaces are now commonplace in many communities allowing many employees from many different businesses to cohabitate a single shared place without the expenses of a stand alone business.

### Transportation

Information technology has the potential to alleviate dependency on vehicular trips to accomplish many tasks. In many cases it is now possible to perform other tasks such as shopping and product ordering from home even without a home computer. Historically, this convenience has only been available from large mail order companies. Through increased awareness, interest, and cost savings, these services

are now available from local businesses. Home delivery of products ordered from local businesses such as groceries, drug stores, and hardware stores -- once a common occurrence -- is again being implemented in many areas of the country. Trends such as these have the potential to reduce short trips, with a corresponding benefit in air quality improvement.

"Telecommuting", as mentioned above, can especially reduce commuting to and from work, as people are increasingly able to work from their homes through the use of computers, tablets and cell phones. The potential impact of increased telecommuting must also be examined in light of present and future zoning ordinances. Increased numbers of people working from their homes will raise questions and concerns about business activities in residential areas, which were more clear-cut in the past, but will require further examination and planning in the future.

### Community Facilities

Information technology can assist in providing access to information, materials and services typically found at public buildings, schools, libraries and other public agencies. The following examples for information technology and infrastructure related to community facilities should be examined:

- Electronic linking of community facilities such as schools, libraries, city and county buildings and other facilities holds potential for improving access to information by the public. This would include the availability of public information on-line where practical. For example, documents can be published electronically for reduced cost of distribution while also making the information more accessible.
- Potential improvements in public safety, which could be realized by installing smoke, fire and burglary detection systems, which could automatically link to emergency dispatch services when activated.
- New developments in information technologies and infrastructure will have an impact on physical design and capacity of public facilities as well, perhaps affecting building and parking capacities as well as building code and design features. For example, new city/county/public office facilities being built should be designed to accommodate computer networking/video-

conference networking capabilities in the design stage rather than as an afterthought.

Proximity to access points of information technology may become a factor in determining where people choose to live in the same way proximity to parks, schools, shopping, and churches plays a role now.

Sites for cellular phone towers, Personal Communication Services (PCS) equipment and other facilities could be evaluated through the use of Geographic Information Systems (GIS) technology. In particular, the concept of sharing facility sites among various cellular and PCS providers, where possible, has great potential for reducing the number of towers necessary to serve the area's communication needs. It is important for Barren County, especially within its Cities, to strongly encourage sharing or co-location of these facilities to minimize their proliferation within the community.

### Utilities

Technologies are now available which make it possible to read utility meters electronically and have the monthly readings sent to the utility headquarters. Locally, the Glasgow Electric Plant Board is currently utilizing this technology within the community. Utility service providers should be encouraged to examine such developments when installing new service capabilities.

If electronic meter reading is implemented, it may be feasible to implement other capabilities through the same system, or to install multiple systems so that if one fails, the other will back it up. With more immediate feedback of utility service usage, the utility service providers may be able to use this information to better design their systems to handle peak loads/capacities and better balance service demands.

Maintenance of facilities can be aided through the use of Geographic Information System (GIS) and Automated Mapping/ Facilities Management Systems (AM/FM.) Such systems are designed to store highly accurate base maps of a region and any related information about the maps in a computer database. These maps are separated into "layers" such as roads, buildings, property lines, and so on. In this way, it is possible to deal with a single layer or with multiple layers of information.

Utilities can also map their facilities as individual layers on top of the common "master base map" in



order to organize and use their information in a method that is consistent with other uses. For example, when planning to repair a sewer line, a simple search could show the location of any water or gas lines that may be present. When repairing, replacing or maintaining existing facilities or installing new facilities, consideration should be given to these new capabilities.

The use of GIS to help site facilities or to optimize school bus, public transit or solid waste pickup routes, must be more fully explored and encouraged. Use of this technology can provide a more tangible basis for decision making which otherwise can appear arbitrary if not properly explained.

#### **Barrens Information Technology Systems, Inc. (BITS)**

BITS is a GIS consortium formed in 1992 and currently consisting of the following members: Barren County Fiscal Court, Barren County School Board, City of Glasgow, Glasgow Electric Plant Board, Glasgow Water Company, and South Central Rural Telephone Cooperative Corporation. Further, the Joint City-County Planning Commission and Barren County Property Valuation Administrator (PVA), although not consortium members, are contributing data members. The BITS agency maintains a “master base map” GIS system that covers the 500 square miles of Barren County. One innovative approach of the BITS system is that the GIS data is dynamic and not static. With the use of GPS and by coordinating with local officials, new layer information is updated in the system daily. For example, new roadways, buildings, addresses, etc., are updated soon after completion to be shown on the GIS system. This has been very beneficial to the agencies and emergency management services that access the information.

#### **Land Use**

Identification of the best sites for recreational facilities, agricultural and/or preservation areas, and industrial parks should be done before land available for such uses becomes scarce. Again, GIS technology should be used in this effort by tracking land consumption over time and by use. Trends in development and demographics can also be more accurately tracked using GIS capabilities.

## **SIGNIFICANT TRENDS AND EXAMPLES**

Why then is it necessary to plan for something that in many cases is already available through existing facilities? The answer is, while today's facilities are generally adequate for the uses being made of them, increasing growth in the use of these technologies and demand for faster and more reliable capabilities will increase dramatically in the coming years.

## **GUIDING THEME SUMMARY**

Although incomplete, this list gives some idea of the scope and significance of the developments in the information technology arena. Since this is the first time these issues have been addressed in the Comprehensive Plan for Barren County, by necessity the fundamental and most immediately applicable issues may take precedence over less obvious applications. However, it is important to recognize and acknowledge the dynamic nature of the field of information technology. One only has to examine the decisions, both good and bad, made by some communities during the eras of railroad and interstate highway system expansion and development, to understand the potential impact.

## **DECISION-MAKING**

The use and development of information technology and its accompanying infrastructure is inevitable, and is therefore something for which planning is required, for both the potential uses and for orderly and coordinated development. It is critically important that citizens not be divided into the technology “haves” and “have-nots.” Accordingly, as infrastructure developments occur, care must be exercised to ensure that providers are not allowed to “cherry pick” the areas that they will or will not serve. Decision-makers must not inadvertently create situations that prevent citizens from having the ability to take advantage of these developments. In other words, Universal Access needs to be a guiding principle in decision-making.

For example, high-speed Internet access may take many years to reach some of the more rural areas of Barren County. On the other hand, an effective wireless infrastructure grid could bring such service on a cost-effective basis to outlying areas almost immediately. These wireless networks tend to be much more flexible, cheaper, and require less disturbance of the land than the installation of new high-speed fiber optic lines.

## RECREATION

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Recreation has come to be seen as an integral part of people's lives. Where once a person's career was the center point of his/her life, it now seems that work is the means to the ends of added quality leisure time. A community profits greatly from investment in recreational facilities, although usually not in monetary income, but in the happiness of its citizens. To insure development of a recreation program suited to the community, facilities must be designed to meet the needs and desires of those who use them. Map 6.12 shows the spatial relationships between recreational facilities within Barren County.

### CITY OF GLASGOW

Currently, the Glasgow recreational facilities consist of the following:

#### Glasgow Recreation Department

##### American Legion Park

- 12 Acres
- Covered Picnic Shelter
- Concession Building and Restrooms
- Softball Field
- 4 Covered Gazebos
- 1 Playground Area
- 2 Horseshoe Throwing Pits
- 4 Parking Areas
- Army Tank
- 9 Hole Disc Golf Course
- Day Camp / Work Shop Building

##### Beaver Trail Park

- 42 Acres
- 4 Softball / Baseball Fields
- Concession Building
- ½ Mile Walking / Jogging Trail
- Designed Landscaping
- Wooden Bridge
- 2 Paved Parking Lots
- Playground Area
- Restrooms / Severe Weather Shelter
- Fire Department Conference Building
- Fire Training Tower

##### Gorin Park

- 21 Acres
- 5 Parking Areas
- 2 Little League Parks
- 8 Tennis Courts
- 2 Sets of Restrooms
- Concession Stand
- Covered Baseball Stadium with Bleachers

- 4 Shaded Picnic Tables
- 2 Playground Areas
- Baseball / Babe Ruth Field
- 2 Paved and Lighted Basketball Courts

##### Twyman Park

- 5 Acres
- Restrooms
- 1 Covered Picnic Shelters
- Playground Area
- Paved Regulation Basketball Court
- Volleyball Court
- 1 Covered Gazebo

##### Weldon Park

- 23 Acres
- Picnic Shelter
- Restrooms
- 2 Playground Areas
- Parking Area
- 1 Mile and ½ Mile Nature Trails
- Little League Baseball Field
- 1 Concession/ Maintenance Building
- 2 Dog park areas

##### Swimming Pool

- Olympic Size Swimming Pool
- 3 ft. to 12 ft. depths
- Diving Board
- Locker Rooms / Showers
- 2 Picnic Shelters
- 1 Concession Facility
- 1 Wading Pool

##### Glasgow Recreation Center

- Lighted Water Fountain

##### Lera B. Mitchell Clubhouse

- Meeting Auditorium
- Kitchen
- Meeting Rooms
- Large Parking Area

##### Liberty Street Gym

- Indoor Basketball and Volleyball Court

##### Soccer Complex

- 25 Acres
- Concession Building and Restrooms
- 2 Lighted Soccer Fields
- 2 Soccer Fields (Under Construction)
- 2 Gymnasiums
- Office Area w/ Meeting Rooms
- ½ Mil Walking Trail
- 2 Parking Areas
- 2 Covered Gazebos
- Maintenance Shop

#### Fort Williams

- Civil War Fort
- Walking Trails
- Civil War Cannons

#### Downtown Historic Pedestrian Corridor

- Downtown Walking Trail (Under Construction)

### **Barren County Recreation Department**

#### Jackie Browning Complex

- 25 Acres
- Concession Building and Restrooms
- Football Field
- 4 Baseball Fields

#### **Y.M.C.A.**

- 2 Gyms
- Cardio Room
- Weight Room
- Childcare Facility
- Locker Rooms / Showers
- Multi-use Field
- Playground
- Indoor Junior Olympic Size Swimming Pool

### **CITY OF CAVE CITY**

Currently, the Cave City recreational facilities consist of the following:

#### Thomas Doyle Park

- 3 Baseball / Softball Fields

#### Roy D. Reynolds Jr. Park

- Playground
- Picnic Tables and Grills

### **CITY OF PARK CITY**

Currently, the Park City recreational facilities consist of the following:

#### Downtown Bicycle and Pedestrian Trails

- Bicycle and Walking Trails

#### Bells Tavern Ruins

#### Park City Veterans Memorial

### **UNINCORPORATED BARREN COUNTY**

Currently, the recreational facilities within the unincorporated area of Barren County consist of the following:

#### **Mammoth Cave National Park**

The Mammoth Cave National Park is located for the most part in Edmonson County with small portions in Barren and Hart Counties, see Map 6.12. The Park consists of approximately 52,830 acres and was established to preserve the cave system, the scenic river valleys of the Green and Nolin rivers, and a section of hilly country typical of south central Kentucky. The Park is one of the major tourist attractions in the U.S. and is World Heritage Site and an International Biosphere Reserve.

Mammoth Cave is the longest recorded cave system in the world with more than 400 miles explored and mapped. The temperature in the cave is approximately 54 degrees Fahrenheit year round and the Park offers some of the most extensive caverns, and some of the finest examples of karst topography in the world.

Visitation is highest in June, July, and August; lowest in January. Total recreation visits for 2018 exceeded 1,000,000. Operating hours vary by season and visitors may use their own vehicles for sight-seeing in the Park. Park entry is free and various cave tours and camping have different fees.

General Park activities include touring the cave, hiking, biking, and horseback riding on the forest trails, canoeing, fishing, and camping. Overnight backcountry camping requires a free permit issued from the visitor center. Listed below are the Park attractions found within Barren County:

Frozen Niagara

Sand Cave

Little Hope Cemetery

Mammoth Cave RR Hike and Bike Trail (connects with Park City bike path)

## Barren River Lake Recreation Areas

The Barren River Reservoir covers 10,050 acres. Listed below are the various lake recreation areas within Barren County:

Austin Boat Ramp

Beaver Creek Boat Ramp

Barren River Dam Recreation Area

Narrows Recreation Area

Peninsula Boat Ramp

## Barren River Lake State Resort Park

- Lodge
- 18 Hole Golf Course
- Camping
- 2 Tennis Courts
- Volleyball Court
- Basketball Court
- Shuffleboard Court
- Playgrounds
- Sand Beach
- Fishing
- Nature Trails
- Horse Stables
- Picnic Shelters
- Marina

## Brigadoon State Nature Preserve

- Hiking Trails
- Birdwatching
- Nature Photography
- Research

## Other Recreation Areas

Etoile Community Center

Jo Ann Foster Park

Temple Hill Lions Club Park and Fairgrounds

Summer Shade Music Park

Walter Davis Freedom Center

Playgrounds and ballfields located at public schools were not specifically listed.

## CULTURAL FACILITIES, PERFORMING ARTS, CELEBRATIONS AND EVENTS

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### SOUTH CENTRAL KENTUCKY CULTURAL CENTER

The South Central Kentucky Cultural Center is dedicated to telling the story of the people, places and events that make up the geographic area known as the "Barrens", Metcalfe, Allen, Hart and Monroe Counties, as well as Barren County. Housed in the old Kentucky Pants factory in downtown Glasgow, 200 West Water Street, the center, also known as the Museum of the Barrens, is 30,000 square feet packed with area history.

Visitors can travel all the way back to 12,000 B.C.; also included are tools and firearms, a log cabin, and a gristmill from the mid 1800's. Other attractions include an extensive military exhibit starting with the Civil War, a doll collection, a one-room schoolhouse and the town square as it looked at the turn of the century.

The purpose of the South Central Kentucky Cultural Center is to attract people who are interested in learning about the history of the Barrens as depicted in the museum displays, conducting genealogical research and attending meetings in an attractive facility. Renovating this 30,000 square foot pants factory into a cultural center serves as an excellent example for other communities to emulate because it shows how the citizens of South Central Kentucky came together to reutilize an abandoned resource and adapt a building to fulfill the needs of the community while revitalizing activity in the downtown commercial district and preserving the urban fabric of their National Register Historic District in order to recall the history of the past for future generations.

### GLASGOW PLAZA THEATRE

The Plaza Theatre, a 1,019 seat proscenium theatre, is a restored and renovated Vaudeville stage and movie house from the 1930s. It hosts a variety of events, including national touring acts, local performance groups, lectures, meetings, and private functions. It also hosts a film series. The theatre is a historic landmark in Glasgow and serves South Central Kentucky.

The Plaza was opened in 1934 and built by Bruce Aspley of Glasgow, KY. The theatre was built in the style of a Mediterranean courtyard, with twinkling stars in the ceiling and projected clouds floating across the sky. Bruce Aspley passed the theatre on to his son, Walter "Jigger" Aspley who ran the theatre until 1973 when it was sold. After its purchase, it was soon closed and remained so until the City of Glasgow's purchase. After an 18 month renovation, the theatre reopened on April 17, 2005.

Patrons at the Plaza find themselves immersed in a Mediterranean courtyard, complete with twinkling stars and moving clouds on the dark sky-blue ceiling. All architectural details, including the seats themselves, are original to the 1934 construction and opening. Only the curtains and draperies, the carpet, and the seat foam/upholstery has been replaced. This gives the patron a true sense of what the theatre experience was like in the early 20th century.

In the past the Theatre was home to many events including weekly country music shows, special music events such as a New Grass Revival Concert, and club events such as haunted houses, fundraisers, etc. Since the renovation has completed the Plaza has hosted many prominent music artists, popular comedians, as well as local theatre groups and performance artists including local orchestras.

### **GLASGOW HIGHLAND GAMES**

This annual gathering of Scottish clans celebrates the history and traditions of Glasgow and its heritage. Included in this three day event, held the first week of June, are Scottish professional athletic competitors, bagpipe band contests, drumming and piping performances, Scottish country and Highland dancing, a golf tournament, a 10K run, and the formal Tartan Ball. This event is one of the largest of its kind in the country and attracts thousands of visitors from all over the U.S. and the world.

### **CONCERT ON THE SQUARE**

The annual concert on the square is held the Friday before the Forth of July and features the Louisville Orchestra. Attendance has grown throughout the years and consistently exceeds 2500 people.

### **BEAVER CREEK MUSIC FESTIVAL**

Held the first week in October, the festival offers a wide variety of musical entertainment. This event has significantly grown in popularity with over 1200 spectators the first year and 3000 the second.

### **GLASGOW CHRISTMAS PARADE**

Held the first Saturday of December, the nighttime Christmas Parade travels through downtown Glasgow and signals the start of the holiday season. One of the few Christmas parades taking place after dark, an estimated 20,000 people enjoy the beautiful festival of holiday lights and floats which travel the 2 mile parade route.

### **BARREN COUNTY FAIR**

The Barren County Fair is held each year in late July at Temple Hill Lions Club Park and Fairgrounds. Events include a carnival, agricultural exhibits, home interior/crafts, livestock shows, youth exhibits, youth contest, horse shows, baby contest, Little Miss and Mister, Miss Teen Kentucky, Miss Kentucky County Fair, truck and tractor pull, and garden tractor pull.

### **HIGHWAY 63 ROLLERCOASTER FAIR**

The annual Rollercoaster Fair is held the first weekend in October and occurs along the Cordell Hull Scenic Highway from Mammoth Cave National Park (Highway 70, 90, and 63) to Moss, Tennessee, (Highway 52) through Livingston and Byrdstown Tennessee and looping on to Albany, Burkesville and Summershade, Kentucky. The route includes over 200 miles of rolling Kentucky hills, with residents and vendors putting out their best arts and crafts and collectible treasures for passersby to see and buy. There are also food booths along the route with barbeque, homemade pies, cakes, treats and drinks.

## **HEALTH AND SOCIAL SERVICES**

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### **HEALTHY COMMUNITIES**

Across the nation, health care initiatives are becoming focused on building healthy communities. Health care professionals and community leaders within Barren County are promoting a healthier

community through fostering of health care partnerships and community coalitions.

### Community Health Coalition Activities

The Barren County Health Department has partnered with numerous local agencies to establish new coalitions to address chronic diseases and other health issues on the community level. Examples of local efforts include: Nutrition and Exercise Works (NEW), Diabetes Support Groups, Pregnancy Workshops, Child Passenger Safety Check-up Events, Stop Smoking Programs, Health and Wellness Fairs, and many others. As a result of our community efforts, Barren County is playing a major role in promoting and leading healthy community initiatives.

### HEALTH CARE

#### T.J. Samson Community Hospital

Since 1929, T.J. Samson Community Hospital has been a stakeholder in the community. The twelve county service area for the hospital extends beyond the BRADD counties providing health care services to over 260,000 people. Although located in a rural region, the 196 bed facility offers a wide variety of services and is proactive in offering cutting edge technology and programs to the community. Some of the services offered at T.J. Samson include: a sleep disorders center, telemedicine, pain management, wound care, emergency care, hospice, heart center, radiology department, women's services, rehabilitation, cardiac catheterization lab, obstetrics, pediatrics and home health care.

In May of 2013 T.J. Samson opened a new facility that increased the community health resources substantially. The T.J. Health Pavilion houses the staff of the T.J. Health Partners as well as outpatient services for T.J. Samson Community Hospital. T.J. Health Partners is an integrated network of local doctors and health care providers with the hospital. The T.J. Health Pavilion is a 226,000 square foot facility where patients receive specialized care in cardiology, hematology/oncology, internal medicine, kidney care, obstetrics and gynecology, pain management, primary care, outpatient surgery and urology. It is also home to T.J. Urgent Care and the Women's Center, which offers resources in mammography, pre-natal care and a pediatric unit.

The medical staff, located throughout the 12 county service region, is diversified with specialties in

Gastroenterology, Obstetrics and Gynecology, Cardiology, Infectious Disease, Neurology, Pain Management, Nephrology, Oncology, Psychiatry, and Pulmonology. Below is a list of providers available to the residents of Barren County, associated with T.J. Health Partners:

▪ Family Practice	14
▪ Cardiovascular Medicine	4
▪ General Surgery	4
▪ Hematology / Oncology	1
▪ Internal Medicine	6
▪ Kidney Care	1
▪ Nephrology	1
▪ Nurse / Midwife	2
▪ Obstetrics/Gynecology	5
▪ Pulmonology	1
▪ Pain Management	1
▪ Primary Medicine	11
▪ Sleep Medicine	3
▪ Gen. &/or Vascular Surgery	4
▪ Urology	2

In addition to the active full-time medical staff, T.J. Samson Community Hospital also hosts a Family Practice Residency Clinic that is associated with the University of Louisville. The Barren River Regional Cancer Center has also joined with the T.J. Samson Community Hospital to better serve the Glasgow/Barren County area. Its staff includes radiation oncologists, therapists, dosimetrists, registered nurses and a certified medical physicist.

In order to better serve patients that need medical attention but may not need "emergency" care the T.J. Samson Community Hospital has opened a clinic within the local Walmart with hours that exceed that of normal medical offices. The T.J. Clinic at Walmart provides convenient, affordable access to basic health care services, seven days a week, with no appointment necessary. For busy residents who need care, especially after working hours or on weekends, the clinic treats common health ailments and offers routine services. These include, but are not limited to acne, bladder infections, blood sugar testing, camp and school physicals, common vaccinations, ear aches, flu, insect bites and stings, minor wounds, serious infections, and upper respiratory infections. The Clinic keeps the following hours:

Monday – Friday: 8 am to 7 pm  
Saturdays: 8:30 am to 5 pm  
Sundays: 11 am to 5 pm

## Barren River District Health Department

The Barren River District Health Department is comprised of eight member counties in South Central Kentucky. Their area covers the following counties: Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Simpson and Warren. The eight county service area is home to 253,276 people. The agency provides a wide array of public health services through health department facilities in each county seat with the district administrative offices located in Bowling Green. Services include preventive nursing, environmental health, epidemiology, group and individual health education, nutrition counseling, health planning, school nursing, coordinated school health, home visiting and community health promotion.

The BRDHD has 6 main branches; Clinical, Environmental, Health Information, Community Health Improvement, Disaster Preparedness and Community Health Promotion (CHP). The CHP branch works with the other 5 branches to help ensure the optimal health of the eight county district which BRDHD serves. CHP Team II is based in Barren County Health Dept. and serves Barren, Hart, and Metcalfe counties. Based in the district office in Bowling Green, the Community Health Improvement (CHI) branch also works with the other branches to provide community services throughout the district, including Barren County.

**Unintentional injuries:** CHP Team II formed and continues to coordinate the tri-county Barren/Hart/Metcalfe SAFE KIDS Coalition that is addressing the following issues:

- **Bicycle safety:** The team organizes and helps to conduct bicycle safety classes for children through the schools, Parks and Recreation Department, and 4H. The team has partnered with the Kentucky Association of Trial Attorneys in past years to provide helmets to all Barren County third grade students.
- **Child passenger safety:** Car seat check-up events are ongoing and a collaborative effort between the Health Department and T.J. Samson. Data received from check-up events is used each year to strengthen grant application for car seats and booster seats. These seats are distributed to families that are financially disadvantaged.
- **Seat Belt Safety:** CHP team II works closely

with schools and law enforcement to provide education and assistance to the SADD (Students Against Destructive Decisions) groups at area high schools. They also assist YSC coordinators to plan and implement other educational and hands on activities to ensure young drivers hear the “Buckle Up” message consistently. The team works collaboratively with other members of the SAFE COMMUNITIES coalition to provide seat belt checks and promote seatbelt usage through local media.

- **Fire safety:** The team has partnered with the Glasgow Fire Department and distributed information about fire safety to the community as well as provision of classes and presentations for schools.
- **Child maltreatment:** CHP Team II partnered with the Chamber of Commerce and others in Barren County to establish a Safe Spot program, which provides locations for children who are separated from their caregiver or feel threatened. The Safe Spot program won a Circle of Service Award from the governor. Team members sit on the Safe Spot Boards in Barren and Edmonson Counties, and a member attends Hart County Safe Spot meetings.

## Child Fatality:

- CHP Team II participates in the Child Fatality Review Team for Barren County. The CFRT's review unexpected child deaths to determine factors contributing to the deaths in order to take measures to prevent other deaths. It is then determined whether further education in the community would be beneficial in preventing similar deaths and if so CHP Team II is involved in provision of education.

## Nutrition:

- CHP Team II works closely with Barren County/Glasgow Schools staff and students, Senior Centers, Day Cares, and other community organizations to provide education to all ages in the promotion of healthier eating. Choose My Plate, 5-2-1-0 and Cardio Carnival are educational tools used by staff and healthy cooking demonstrations help all ages sample new foods and learn to prepare favorites in a healthier way.

- **Nutrition Education Programs:** The CHI team has Registered Dietitians who provide nutrition education to groups upon request. Frequently requested topics include weight management, MyPyramid, cholesterol, diabetes, infant/child nutrition, and Fruits & Veggies—More Matters.
- **Eat More Fruits and Veggies Challenge:** Barren County is included in a district wide mass media campaign that is held each January to encourage increasing fruit and vegetable consumption. CHI staff promotes the Challenge in schools, workplaces, community groups, and other locations. Individuals can enter the Challenge online or by mail.

**Physical Activity & Fitness:** CHP Team II consistently works with the community and schools to encourage and provide physical activity opportunities. Cardio Carnival, Getting Kids Physically Active, and Strong Women Program, circuit training and Zumba are organized programs for different age groups. PA coalitions offer the opportunity for collaboration with other agencies with the same goal; to increase fitness levels for Barren County residents.

**Tobacco Education and Cessation:** Cooper/Clayton Smoking Cessation classes are offered throughout Barren County in worksites. Tobacco education is taught in elementary, middle, and high schools as well as addressed through the media, health fairs, and Day Care Centers.

**Substance Abuse:** CHP Team II provides leadership for SADD clubs in the education of young teens and parents on drinking and driving, hazards of drug/alcohol use, and tobacco prevention efforts. They also work closely with the tri-county ASAP coalition.

**Cancer:** Cancer awareness education is provided by the CHP Team II with many different groups. Screen for Life (Colorectal Cancer) is especially advocated for senior citizens. Teens are addressed through education on sunbathing dangers and tobacco use. Prostate cancer, Breast/Cervical cancer screenings are consistently addressed at Health Fairs and in the work place.

**Coordinated School Health:** CHP is actively involved with the BRDHD School Health Center of Excellence. Team members help provide student education, teacher/staff education, resources and

support in areas such as; safety, nutrition, physical activity, tobacco education, abstinence, puberty, and communicable disease information. They also hold trainings for school staff and provide worksite wellness for teachers through *periodic* Health Breaks.

**Dental Education:** CHP Team II provides many opportunities for schools, worksites, and general community to be educated about better oral hygiene as well as daily dental supplies often being distributed to those that need them.

**Healthy Start:** The CHP Team II supplies Barren County with a Healthy Start in Early Childhood Development Consultant. Children and staff of Day Care Centers are provided *with technical assistance and education* in many different areas as much as CPR/First Aid training for the staff.

**Faith-Based Initiatives:** Support, training and resources are available to all faith-based organizations through the CHP Team II. These offerings apply to leaders, adult groups, youth groups, and senior groups.

**Diabetes Services:** CHI staff includes Registered Nurses, a Registered Dietitian, and a health educator. The RD and one of the RN's are also Certified Diabetes Educators. The Level 3 Diabetes Program provides diabetes prevention and control activities, such as diabetes prevention and diabetes self-management education classes and a support group in Barren County. The Diabetes Center for Excellence provides care management for adults with diabetes, with emphasis on Medicaid-eligible individuals.

**Breastfeeding Support:** An International Board Certified Lactation Consultant (IBCLC) provides lactation consults to women who need help with breastfeeding problems. The WIC Breastfeeding Peer Counselor program was established in Barren County in fall 2008. Peer counselors regularly call or visit pregnant and breastfeeding women who participate on the WIC program to encourage them to breastfeed their babies and to help them to handle common breastfeeding problems

**HANDS:** A program designed to support and assist first-time parents. HANDS gives parents the information and tools needed to enhance their baby's growth and development, as well as support for families to be the best parents possible. Trained Family Support Workers visit families in their homes, usually once a week, starting during pregnancy or any time before a baby is three months old, and continuing until the baby turns two years of age.



The Barren County Health Department operates under the umbrella of the Barren River District Health Department and is located at 318 West Washington Street in Glasgow.

Source: Barren River District Health Dept. Human Resources Dept.

### Private Health Care Providers

Physicians and other health care providers supply the vast majority of basic ambulatory medical services, mostly in freestanding, private practices normally exempt from state planning regulation. These practices may vary from independent solo practices or small group partnerships of physicians within a given specialty, up to large, multi-specialty group practices.

According to information provided by the Kentucky Board of Medical Licensure, Kentucky Board of Dentistry, Kentucky Board of Nursing and the Kentucky Board of Pharmacy the following charts represent the private health care outlets and resident health care providers for Barren County:

**Table 6.5:**  
**Health Care Facilitators**

Health Care Providers Available	Barren
All Physicians	42
Primary Care Physicians	13
Physician Specialists	29
Registered Nurses	587
Licensed Practical Nurses	202
Nurse Practitioners	56
Pharmacists	56
Pharmacist Intern	5
Pharmacist Technician	245
Dentists	15
Dental Hygienists	
Dental Assistants	

Physicians Available	Barren
Total Physicians	42
Family Practice	13
Cardiovascular	4
Internal Medicine	4
Obstetrics and Gynecology	3
General & Orthopedic Surgery	6
Other Specialty	12

### Long Term Care Facilities

Barren County currently has 6 long term care facilities and 2 assisted living facilities. The 8 care facilities can serve 600 people, see Table 6.6.

**Table 6.6:**  
**Long Term Care Facilities**

Care Facility	Type of Care Facility		# of Beds
	Long Term	Assisted Living	
Diversicare	✓		94
Glasgow Health and Rehabilitation Center	✓		68
Glasgow State Nursing Facility	✓		100
Glenview Health Care Facility	✓		60
NHC Healthcare	✓		194
T.J. Samson Community Hospital Skilled Nursing Unit	✓		16
Hometown Manor		✓	12
Highland Ridge		✓	56

Source: Kentucky Cabinet for Health Services, 2019

### Community Medical Care

Community Medical Care, Inc. (CMC) is a local charity assisting Barren County's low-income seniors with prescription medication, prescription glasses and hearing aids. Hearing aids are obtained through another charity program, The Starkey Hearing Foundation's "Hear Now". Also, CMC assists low-income, working uninsured adults of Barren County by providing primary health care, prescription medication, emergency dental, optometric & hospital care, and specialist consultation. The primary health care is made possible through the residency program at T. J. Samson Community Hospital. Assistance is given by CMC paying 90% of the cost of medication up to \$250.00/quarter for adults under 65 years of age and \$200.00/month for seniors. They also assist in filling out the paper work for indigent drug programs when available.

### SOCIAL SERVICES

Social service agencies seek to sustain and enrich the lives of individuals, as well as the collective life of

the community. Although many agencies within our community fit this description, this report is concerned with those services operated by state and local government that have been established to meet the special needs of low-income and disadvantaged people.

### Statistical Profile of Low-Income Residents

The Census Bureau provides a definition of poverty based on income level and adjusted by such factors as family size, number of children, and age of the family householder or unrelated individual. In 2017, the poverty threshold for a family of four persons was \$24,600 or \$11.83 per hour for full-time employment. Census data for 2017 indicates that in Barren County 1,969 families had incomes below

**Table 6.7:**  
***Income and Poverty Status, 2017***

	Number	% Below Poverty
<b>Households:</b>		
with earnings	7,416	11.7
receiving social security	3,886	12.0
with public assistance income	1,195	36.3
Owner Occupied	8,282	9.1
Renter Occupied	3,303	36.6
<b>Families:</b>	<b>11,585</b>	<b>17.0</b>
below poverty level	2,002	16.9
with related children under 18	540	27.0
female householder, no husband	878	43.9
<b>Individuals: 2017 Population Estimate</b>	<b>42,460</b>	<b>22.9</b>
Male	20,650	20.1
Female	21,810	25.4
Under 18 years	10,020	33.7
18 years to 34 years	8,586	26.0
35 years to 64 years	16,985	17.7
65 years and over	6,869	15.9
White	39,523	22.1
Black or African American	1,639	33.9
Native American	96	0.0
Asian	207	0.0
Hispanic or Latino	1,288	45.0
Other/Multiple Races	995	39.7

Source: Census Population and Housing, 2017

poverty level. That is 17% of all Barren County families or 9,704 individuals (22.9%) who were living in poverty. In addition, 3,886 households were receiving Social Security income and an additional 1,195 households received public assistance within Barren County, see Table 6.8.

### STATE SOCIAL SERVICE PROGRAMS

#### Kentucky Cabinet for Families and Children

The mission of the Kentucky Cabinet for Families and Children is to provide statewide leadership in protecting and promoting the well being of Kentuckians by delivering quality human services. Within this Cabinet, the Department for Community Based Services administers an array of services including child and adult protection, permanency, and services to enhance family self-sufficiency. The department provides family support; child care; child and adult protection; eligibility determinations for Medicaid and food benefits; and administration of an energy cost assistance program.

The DCBS administers the state foster care and adoption systems and recruits and trains parents to care for the state's children who are waiting for a permanent home. With offices in every county, DCBS provides services and programs to enhance the self-sufficiency of families; improve safety and permanency for children and vulnerable adults; and, engage families and community partners in a collaborative decision-making process. DCBS was formed within the Cabinet for Families and Children in 1998 to give local offices more decision-making authority and the ability to collaborate more effectively with other community service providers. The Cabinet for Families and Children and the Cabinet for Health Services were consolidated in 2004.

#### Kentucky Cabinet for Workforce Development

Through the work of its dedicated employees in all of its agencies, the Kentucky Education and Workforce Development Cabinet is determined to provide life-long educational and workforce services through seamless, efficient and accessible learning opportunities for all Kentucky's citizens, from pre-school to senior citizens. Within this Cabinet, the Department for Employment Services has eleven agencies benefit both employers and workers:

- Commission on the Deaf and Hard of Hearing;
- Department of Workforce Investment;
- Kentucky Workforce Investment Board;

- Commission on Proprietary Education;
- Kentucky Department of Education;
- Education Professional Standards Board;
- Environmental Education Council;
- Department for Libraries and Archives;
- Kentucky Educational Television;
- The Kentucky Center for School Safety.

## LOCAL SOCIAL SERVICE PROGRAMS

### Glasgow Housing Authority

The Housing Authority of Glasgow exists to provide decent, affordable housing that is serviceable and economically efficient for eligible families and individuals and to promote the social well-being and economic independence of residents in an appropriate environment. The Housing Authority of Glasgow was established in 1958, and over the years has grown to include not only our Public Housing units, but also the Section 8 Housing Choice Voucher Program for Glasgow and Barren County.

The Housing Authority of Glasgow is the largest provider of affordable assisted housing in Barren County, currently offering 367 apartments located at six (6) separate sites. Four of those sites, containing 297 apartments, are located within the Glasgow city limits. The remaining 70 apartments are part of our two (2) sites located in Cave City.

The Section 8 Housing Choice Voucher Program is a rental assistance program that allows qualified participants to rent a housing unit in the private market. Once the qualified participant is issued a voucher for rental assistance they are free to find a suitable housing unit within Barren County that meets the various guidelines of the program.

The Housing Authority office is located at 111 Bunche Avenue.

### Community Action of Southern Kentucky, Inc.

Community Action of Southern Kentucky, Inc., is a public non-profit 501 (c)(3) corporation. Federal, state, and local government funding, private contributions and user fees enable the Agency to provide a comprehensive range of human services to residents in the Barren River area, especially those confronting issues of poverty. The office of Community Action for Barren County is located at 413 Happy Valle Road in Glasgow. Listed below are the services provided by the agency:

- Child Care;
- Barren River Asset Building Coalition;
- Head Start;
- Senior Centers;
- Adult Education and Job Development;
- Foster Grandparent Program (FGP);
- Retired and Seniors Volunteer Program (RSVP);
- Low Income Energy Assistance Program (LIEAP);
- Family Self Sufficiency);
- Emergency Food and Shelter Program;
- Refugee Employment Program);
- Weatherization Program;
- Supportive Housing;
- Food Services
- Family Nurturing
- Garden Program; and,
- Scholarship Program.

### Barren County Safe Spot

Barren County Safe Spot is an organized group of concerned Barren County citizens that have come together to help in the protection of children within the community. The mission of Safe Spot is to provide safe locations throughout Barren County where children can go for help or protection if frightened or separated from their care giver. This concept has become a reality within the community due to the cooperation of local business leaders, local law enforcement, and local school systems. Safe Spot locations are identified within the community by the logo shown below.



### United Way of Southern Kentucky

United Way of Southern Kentucky is a local, independent, non-profit organization working to identify and address issues, change conditions, and improve lives in our community. United Way is focused on critical issues including poverty, literacy, personal abuse, substance abuse, youth development, senior services, and physical and developmental disabilities.

Incorporated as a charitable non-profit entity in 1956, UWSK has long served a major role in the

community by bringing people together to create opportunities that make a measurable difference in the quality of life for people where they live and work. United Way is governed by a 29-member, local volunteer board of directors and staffed by seven full-time employees.

Periodically, United Way updates the Health & Human Services Directory for each of the five communities it supports. The most recent directory for Barren County can be found on their website at [www.uwsk.org](http://www.uwsk.org). The local office is located at 1110 College Street, Bowling Green, KY 42101.

## EDUCATION

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Barren County currently has four separate school systems: Barren County, Glasgow Independent, Caverna Independent and one private school, Glasgow Christian Academy. There is also a private pre-kindergarten through fourth grade school located in Glasgow called the Montessori Academy. See Map 6.13 for school locations and districts within the County. In addition to the four school systems, Barren County also has the Kentucky Technical School and Western Kentucky University, Glasgow campus. The Kentucky Technical School is a vital part of the school systems as all three school districts attend classes offered by the Technical School.

### BARREN COUNTY SCHOOL SYSTEM

Barren County School District currently serves approximately 5,300 students in preschool through 12th grade. The district is comprised of ten schools with seven elementary's, one middle school, one high school with a freshman academy, and one alternative learning center. They are also home to the Barren County Innovation Zone and BAVEL, a virtual school for grades 6-12. Additionally, Barren County Area Technical Center, a regional facility, is located on the high school campus.

From preschool to post-secondary, Barren County Schools offers a pipeline of success by providing options for each student. Whether through rigorous academics and Magnet school programs or accelerated classroom spaces, Barren County works to challenge students academically in a variety of ways. With close to 40 career pathways, BC students are prepared for transition to work or post-secondary education. Fine arts, student organizations and athletic programs ensure that students are life-ready

as they develop soft-skills needed to succeed in both personal and professional relationships.

Compared to other schools in the Commonwealth of Kentucky, Barren County Schools is above state averages in several areas. Their elementary schools exceed state averages for separate academics, growth, and proficiency. The middle school exceeds the state average for academic proficiency, and Barren County High School is above the state average for transition readiness and graduation rate.

### Barren County Schools Vision & Culture

In the Barren County School District, the focus is on *every* child along with a vision for preparing students for life. Barren County programs and personalized support of each student and their families allows them to provide tools for success related to academics, social & emotional assistance, career options that exceed state averages, afterschool programming, community education, and relationships that support lifelong learning. The Strategic Planning Committee meets annually to update, revise, monitor, and prioritize goals in order to allocate resources. This committee consists of district administrators, parents, teachers, and community leaders. A few years ago, this team wrote the district mission statement for Barren County Schools. The mission of the district, "Where Opportunity Creates Success," along with the vision of "BeCome Life Ready" are reinforced by their core values which state the "We are BC BeCause we believe in...

- Serving others through teamwork and collaboration
- Providing learning experiences that promote content mastery and critical thinking
- Demonstrating creativity and inventiveness in our work
- Taking ownership to find your path to success
- Being accountable to produce high-quality results
- Communicating in a peaceful and productive manner

This will be demonstrated by providing high quality 21st century teaching that leads to learning in a healthy, safe, and supportive environment. BC Schools will provide experiences and create opportunities which will ensure that students will be prepared to be life ready.

In order to accomplish their mission, BC Schools will first begin by hiring and training a team of high-quality educators and exceptional support staff. To help ensure that those new to the education

profession and our school district have a major impact on the students and community and promote the district vision of students becoming Life Ready, they have implemented a mentoring program that pairs new employees with a mentor who will be a source of guidance and support for the mentee throughout the year.

Student success is BC School's goal, and they strive each day to focus our resources and efforts toward this goal. They understand that children do not reach success in exactly the same way. Therefore, Barren County provides multiple pathways to success beyond the traditional system. For example, students may attend or take courses through BAVEL, PHOENIX, homebound, or the Alternative School. They are expanding efforts with programs that allow elementary and middle school students to explore career options to create personal goals to explore. In addition BCHS and College Street have programs that concentrate on online and blended learning. Great efforts have been made to reach every student in Barren County Schools.

Over the past three years, BC Schools have embraced the PLTW LAUNCH program in the elementary schools in order to enhance their existing PLTW Gateway at the middle school and PLTW Engineering and Bio-Med programs. A new Computer Science initiative is also being implemented K-12 to prepare students for high demand computing careers in both the information technology and computer programming fields. Project Lead the Way programs:

- Biomedical
- Engineering
- Computer Science /BC Skills (Intensive adult & student learning environment for responsive web design).

Barren County Schools also provide high quality afterschool programs at all schools with 21st Century Grants, Community Education & Bridge Corporation. In addition to homework help, academic tutoring, and academic target groups for reading and math, after school programs also provide STEM camps, fine arts activities, fitness, health, recreation, preparation for ACT, and college/career explorations.

Quarterly Family Engagement Nights are organized to help educate families and students about career opportunities related to the KY Priority Sectors along with Agricultural and Hospitality Services, skill building, and 95210 Wellness in addition to showcasing student academic and enrichment activities. As a district, BC Schools seek to actively

engage and involve the parents and community in their schools by expanding the Parent Volunteer Program and by gaining input from the community through Strategic Planning.

Barren County's District Wellness policy creates a culture of wellness for staff and students with a monthly incentive program related to 95210 We Can. Each 95210 wellness category is based on recommendations for sleeping adequately, eating fruits and vegetables, limiting screen time, increasing physical activities, and eliminating sugar-added beverages. In addition, all schools have Tower to Table or Farm to Fork Programs to provide local produce in the cafeterias and to use for educational after-school programs. Students participate in the growing process at each school, and then the foods grown are used in the meals provided by the cafeterias.

To keep students safe, all of their schools have locked doors with monitoring systems in place. Guests are asked to sign in and wear identification badges at all times. In addition to ongoing training and networking with the Kentucky Center for School Safety, district leadership have worked with local first responders for drills and communication to maintain efficiency in keeping the children safe. Through a partnership with the Barren County Sheriff's Office, the district has 4 full time School Resource Officers (SRO) in their buildings to assist our students and leadership teams. A S.T.O.P. tip line that allows students to anonymously report bullying, violence, and risky behavior safely and securely online is also monitored by the SRO and Director of Pupil Personnel who work with building principals to help stop and prevent these issues. Barren County High School has implemented a "See Something, Say Something" campaign promoting student awareness of those who are in need. For the 2018-19 school year, a full time mental health coordinator has been employed to serve the students of Barren County Schools.

## Future Development

Barren County School District has repeatedly been identified as a "growth district" due to increases in student enrollment. To accommodate this growth, Barren County Board of Education has purchased a campus formerly owned by a Glasgow Christian Academy and will renovate it to house five preschool classrooms. They will also relocate their central office to this campus.

In August 2018, the Barren County Innovation Zone,

a new state of the art career and technical education facility, opened on the Barren County High School campus. The Innovation Zone was created to compliment hybrid programming offered at the high school and Area Technology Center. Classroom and lab spaces provide career exploration and training for students in Biomedical/Health Science, Engineering & Design, Culinary Arts, and Information Technology/Computer Science. These programs accommodate student interest and focus on the priority sectors for future jobs in the Commonwealth. This is part of the overall Work Ready Skills Grant that awarded \$6.84 million to allow for the creation of a new regional technical campus. This renovation and modernization to the current ATC and additional CTE facility for BCHS, will help to blend both ATC offerings and Barren County programs, as well as, address current workforce needs of the community.

Barren County Schools are known and respected across the state and nation for their academic and enrichment opportunities for students. Their schools are visited by other districts across the state, and their leaders often receive invitations to speak and present at national gatherings. The great things happening in Barren County Schools continue to resonate with other educators. Barren County Schools is a participant in the Kentucky Innovation Lab Network which allows for access, training and resources for innovative approaches in teaching and learning among the twenty-nine member districts.

Barren County Schools continues to push the bar higher with an abundance of career pathway offerings for students. Barren County is one of a select number of districts to pilot the Commissioner's Computer Science Initiative, partnering with Apple and Code.org to provide progressive training in responsive web design and app development. Elementary through high school magnet programs, coding classes, engineering programs, Project Lead the Way (PLTW) Curriculum and fine arts expose students to creative innovation that rival any school in the Commonwealth. Because their students are provided opportunities to stretch their learning every day, the Barren County community can be assured that students are receiving a rigorous and relevant curriculum. Many of their preschool students learn to read, and they have high school students who enroll in the Early College Magnet program. As a district, they are also on the cutting edge of the latest educational research, including the work of John Hattie, James Nottingham, and John Antonetti. Teachers and staff are trained by nationally-known presenters on these topics, with coaching and follow-

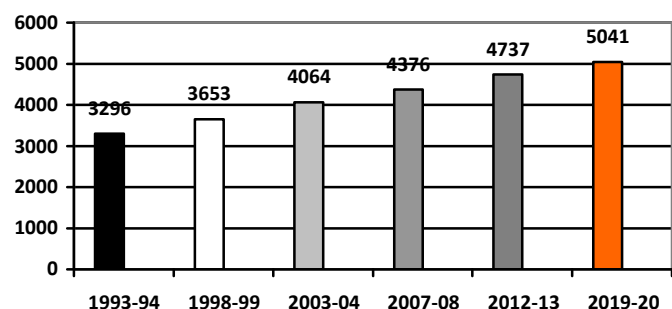
up provided through building and district leadership. Impact teams at each school site consisting of teachers and administrators meet regularly to measure the effectiveness of these initiatives and determine next steps.

## BAVEL

The Barren Academy of Virtual and Expanded Learning (BAVEL) was established in 2004 by innovative minds who envisioned giving parents and their children another option in seeking a high school diploma. BAVEL is a public school recognized by the Kentucky Department of Education as one of three statewide Online and Virtual Course Providers. In addition, BAVEL is accredited by the National Collegiate Athletic Association (NCAA).

Currently serving grades 6 through 12, BAVEL students have been identified as everything from gifted and talented to students at-risk. However, BAVEL doesn't focus on the labels; it focuses on the students to provide a meaningful and challenging learning environment outside the walls of a traditional public school. In the 2018-19 school year BAVEL had 362 students enrolled. Beyond earning a high school diploma, the flexible nature of BAVEL's digital learning allows students to select from a menu of over 100 online courses.

**Figure 6.1:**  
**Barren County School System Enrollment**



Source: <http://www.education.ky.gov>

## Elementary Schools

**Austin Tracy Elementary** - Austin Tracy Elementary, with a KDE celebrated four star rating, is a small school with a big heart. With 277 students in grades pre-k through 6, each student can celebrate the academic accomplishments and improvement for student achievement as Austin Tracy was named as one of only 20 schools in Kentucky to be added to the

Commissioner's Lists for outstanding results in student growth and achievement. In the most recent Kentucky Department of Education assessment data, Austin Tracy was rated "high" in academic index and academic proficiency for reading and math, averaging over 13 points higher than the state average. Growth, which measures individual student progress, was also ranked as "very high" for this school, over 12 points higher than the state average for elementary schools.

**Eastern Elementary** - Eastern Elementary, with a three star rating, anchors all they do in excellence believing that "every child, every day, will be successful." Serving grades pre-k through 6, Eastern has a school population of 371 students. According to state assessment data, Eastern is 5.7 points higher than the state average for academic proficiency and 4.7 points higher in separate academic indicator. They have been rated as "high" in growth at 2.8 points higher than the state average. This school serves 372 students in grades pre-k through 6.

**Hiseville Elementary** - Hiseville Elementary, where only the best is good enough, is a community-based school with a long tradition of excellence. Serving grades pre-k through 6, Hiseville has a population of 269 students. According to state assessment data, Hiseville is 5.4 points higher than the state average in proficiency. They received a "high" rating for separate academic indicator at 12.3 points higher than the state average and a "high" rating for growth at 5.7 points higher than the state average.

**North Jackson Elementary** - North Jackson Elementary where students dream, believe, lead and achieve, is a school that promotes leadership and encourages students to find their voice. Serving students in grades pre-k through grade 6, North Jackson has a population of 565 students. They received a "high" rating for proficiency on the state assessment, scoring 7.9 points higher than the state average. They rated "very high" for separate academic indicator, scoring 16.1 points higher than the state average.

**Park City Elementary** - Park City Elementary provides opportunities to help students find their voice, empowering tomorrow's leaders today. Serving students in grades pre-k through 6, Park City has a population of 426 students. The state rated Park City "high" in growth at 2.7 points higher than

the state average.

**Red Cross Elementary** - Red Cross is one team working together for excellence with a goal of connecting students to the core values of service, leadership, and academic excellence. Serving students in grades pre-k through 6, Red Cross has a student population of 670 students. They received "high" ratings for proficiency and separate academic indicator on the state assessment. They exceeded the state average in proficiency by 9.8 points and in separate academic indicator by 12.7 points.

**Temple Hill Elementary** - Temple Hill Elementary believes in Bulldog Pride and Everyday Excellence. Serving students in grades pre-k through 6, Temple Hill has a population of 312 students. They were rated high in all three accountability areas on the state assessment. They exceeded the state average by 15.2 points in proficiency, by 14.2 points in separate academic indicator, and by 8.8 points in growth.

**Table 6.8:**  
**Elementary Schools and Enrollment**

Elementary Schools	2003-04	2007-08	2012-13	2018-19
Red Cross	581	699	643	670
Temple Hill	284	325	324	312
Hiseville	340	361	231	269
Park City	324	341	337	426
Eastern	424	385	351	371
Austin Tracy	274	272	231	277
North Jackson	-	-	479	565

Source: Barren County School District 2019

## **Barren County Middle & High School**

Located on Trojan Campus, these schools are not only connected physically and geographically, but also through pathways to success for students. Barren County Middle and High Schools work together to create opportunities for students with access to programs related to an array of academic, fine arts, and career curriculum to create an environment for all students to be successful. BCMS, a three star school, exceeds the state average in proficiency and separate academic index while BCHS was ranked "high" in the Transition Readiness Rate topping the state average by 16.8 points. Furthermore, BCHS



outperformed state averages for graduation rates with a “high” ranking, 4% more than Kentucky’s state average.

The Barren County School District strives to offer relevant career pathways for all students, based on workforce needs and priority sectors in the region. All students have the opportunity to participate in Career and Technical Education pathways that are a pipeline to both post-secondary education and careers. Programs offered include:

- Agriculture: Horticulture and Plant Science Systems, Animal Science, and Ag Power, Structural, Technical Systems
- PLTW Biomedical Science
- Business: Accounting, Marketing, E-Commerce, Administrative Support, Business & Marketing Education, Business Management
- Computer Science
- PLTW Engineering
- Family & Consumer Science: Early Childhood Education, Culinary Arts & Food Services
- Information Support & Services
- Cisco Network Administration
- Automotive Service Technician
- Construction/Carpentry
- CAD: Engineering Design, Architectural Designer
- JROTC
- Electricity: Residential Electrician, Industrial Electrician Assistant, Electrician Assistant
- Allied Health, Pre-Nursing, Phlebotomy, Pharmacy Technician
- HVAC: Environmental Control System Servicer Assistant
- Information Technology
- Welding
- Machine Tool Technology: Machinist Operator, Machinist Maintenance Mechanic

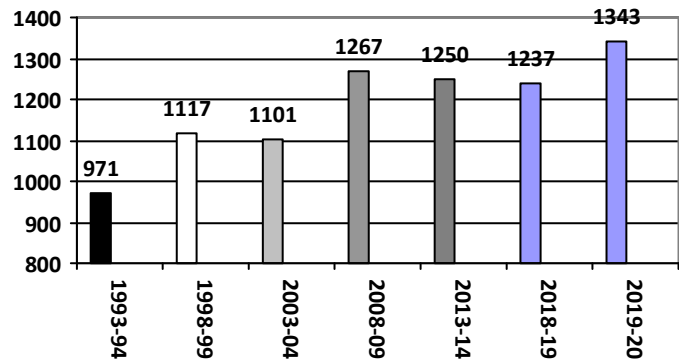
### Other District Highlights & Long-standing Traditions

- Local, regional, state, and national participation in Beta, Career and Technical Student Organizations, and extra-curricular competitions

and officer elections

- Community service opportunities for all students

**Figure 6.2:**  
**Barren County High School Enrollment**



Source: Barren County School District 2019

- FBLA members have started a coffee shop & student supply store operated through their business classes.
- Marching and concert band and strings programs with district and state accolades and guest appearances at Carnegie Hall.
- BCHS senior Class of 2019 students earned over 8 million dollars in academic scholarships
- Up to 370 students in Barren County Schools earned dual-credit in over 17 courses through Western Kentucky University (WKU), Murray State, or SKYCTC for the 2018-2019 school year. There are currently 13 Advanced Placement (AP) courses offered to Barren County students for college credit.
- As of 2016, 5 Barren County graduates that have attended the WKU Gatton Academy of Mathematics and Science in addition to three students who are currently attending during the 2019-2020 school year.

The Barren County School District is on the forefront of Computer Science education. Building off previous year’s (2018-2019) success as a pilot school for the Commissioner’s Computer Science Initiative, the system has added additional student opportunities that feed the newly modified Computer Science pathway at BCHS. Included in these opportunities is:

- ❖ An additional course section of Computer Science Discoveries at BCMS



- ❖ The addition of a project-based programming course for exceptional freshman
- ❖ The additions of App Development I and II to the BCHS course offerings
- ❖ The addition of AP Computer Science A as the second AP course offering in Computer Science
- ❖ The addition of a Cyber Security course at BCHS
- ❖ The formation and execution of BC Skills

The BC Skills program includes 35 participants who have been selected after a rigorous application process. In this program, participants from diverse backgrounds learn in a fully immersive environment from five to seven hours per day for a complete semester with the goal of exiting as junior level iOS mobile developers. Computer Science program enhancements also include hosting the second annual “Family Coding Night,” offering opportunities for elementary

## GLASGOW INDEPENDENT SCHOOL SYSTEM

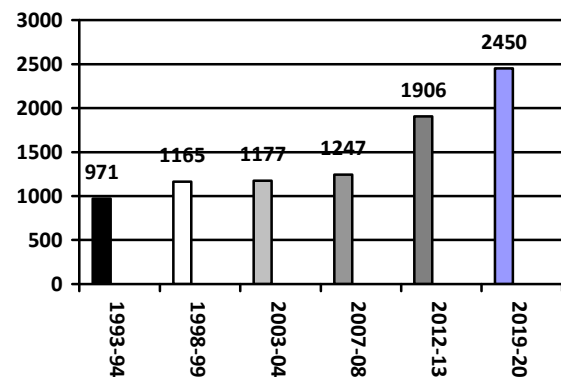
Glasgow Independent Schools have one high school, a middle school and two elementary schools. For the 2019-20 school year there are currently 2450 total students enrolled. In the 2007-08 school year, Glasgow Independent Schools enrolled 1,942 students. In the 1993-94 school year there were 971 enrolled students. During that twenty-five year span the Glasgow Independent School System has had a 152% increase in enrollment, see Figure 6.3. Even with increasing enrollment, Glasgow City Schools have seen a 94.9% attendance rate, the highest in the county, see Table 6.11. The Glasgow Independent School System also has the highest average years of teaching experience in the County, see Table 6.10.

### Future Development

In recent years the Glasgow Independent School System has constructed a new elementary school, Highland Elementary located next to the high school and middle school campuses. This new facility replaced E.B. Terry and Happy Valley Elementary schools. In 2012 construction was completed on the Glasgow High School renovation and addition. The Glasgow Board of Education has also renovated a portion of the former Happy Valley Elementary to be their Pre-School facility.

Most recently, the school system completed construction of a softball field and facility on the high school campus and opened for play in the 2019-20 school year. Further, construction has been commenced on new facilities for the football and track programs and is expected to be open for the 2020-21 school year.

**Figure 6.3:**  
**Glasgow Independent School**  
**System Enrollment**



Source: Glasgow Board of Education.

## Glasgow Elementary Schools

### Highland Elementary School

Highland Elementary School serves grades K - 5 with a student population of 640. It is the mission of Highland Elementary School to introduce a love of learning and discovery, to instill a sense of self-worth and respect of others, and to establish an educational foundation to ensure success in middle school, high school, and college and career. Their recent three star rating reflects successes of hard work from the entire team... faculty, scholars, families, and community partners.

Highland received an Indicator Rating of Medium in the Proficiency and Separate Academic areas. They received a High rating in the area of Growth. The Overall Score was a 65.8 which is above the State average (64.2). Highland Elementary School provides opportunities for Scottie Scholars to excel in the areas of academics, leadership, athletics, and art-based programs such as music, art, and drama. HES believes that one of the most important avenues to achieving their goals is to build relationships with their scholars and their families. Building on these

relationships and addressing the whole child will generate even more success.

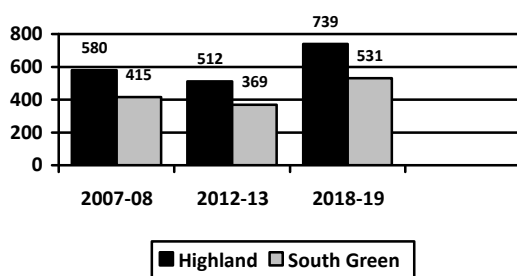
#### South Green Elementary

South Green Elementary School serves grades K-5 with a student population of 460. SGES lives by the saying, “The meaning of life is to find your gift. The purpose of life is to give it away.” They do this through implementing their South Green strategy. SGES believes the most important thing they can do is to establish positive relationships with their students. From there they have structure, discipline, and respect balanced with celebrations, passion and enthusiasm.

Due to their strategy, SGES views academic progress with the end goal of finding each child’s individual gifts. This approach allows them to assist students in their weaknesses and further develop their strengths academically, physically, socially and emotionally, therefore helping create healthy, happy, productive citizens.

South Green Elementary School’s three star rating encompasses the dedication of students, staff, and parents in continuing to set high expectations. The school earned a medium rating in proficiency, which they contribute to a focus on literacy and math initiatives. Opportunities include performing arts, visual arts, leadership, technology, athletics, academics and service. They encourage every student to find his/her gift at South Green Elementary!

**Figure 6.4:**  
**Glasgow Elementary Schools Enrollment**



Source: Glasgow Board of Education.

#### Glasgow Middle School

Glasgow Middle School is located on Scottie Drive in Glasgow and is the only middle school in the Glasgow Independent School District. The school

system has a rich tradition of academic history as their graduates score consistently above the national average on the ACT test. GMS has a current (2019-20) student population of 510 students with approximately 20% of that being a minority population. The percentage of students qualifying for free/reduced lunch has grown from 78% in 2016-2017 to 82% in 2017-2018 and 2018-2019.

Glasgow Middle School’s purpose is to provide a high quality education to all students, with the belief that all students will achieve and learn at a high level. The school offers four core classes: language arts, math, science, and social studies. Additionally, Algebra I and Integrated Science are offered for high school credit. Opportunities for various exploratory classes also exists for students to explore areas such as art, STEM lab, physical education, band, strings, coding, chorus, and advanced medicine. The GMS staff is made up of 34 teachers, 8 instructional assistants, 3 custodians, 6 cafeteria staff, 2 afterschool 21st Century coordinator/assistants, a school nurse, school counselor, attendance clerk, secretary, school resource officer, Youth Service center coordinator, assistant principal, and principal.

The core of GMS is to provide their students with a positive culture that utilizes data to make intentional decisions as they shape their Scotties, having high expectations for students and celebrating their successes. Students have the opportunity to take a variety of exploratory classes throughout the school year. Expanded opportunities such as advanced medicine, STEM lab, coding, and Celtic Academy on campus allow our students to explore options that will prepare them for their transition to Glasgow High School. GMS also offers stellar visual and performing art classes as well.

GMS’ curriculum is designed to innovate the way their Scotties think and problem solve. As students grow up in a Google world, GMS educators will provide opportunities for students to use technology in the classroom to practice using 21st century skills. They are focused on monitoring the individual growth of each student throughout the academic year. As a result, GMS Scotties have multiple opportunities to maximize their potential.

During the 2017-2018 school year, 85% of their 8th grade students achieved an average 70-point gain on the math section of the PSAT 8/9. During the 2018-2019 school year, 75% of our 8th grade students met benchmark on the math section of the PSAT or grew 77 points or more. Students at GMS are given the

opportunity to take the PSAT during their 7th and 8th grade years due to the partnership with Advance Kentucky.

During the 2016-2017 school year, GMS math teachers began working with Advance Kentucky to improve instruction by providing “Laying the Foundation” training for three consecutive summers. The ultimate goal of this partnership is to increase rigorous instruction across the math department and increase the number of students placed in higher-level mathematics courses as well as increase the number of students meeting benchmark on the PSAT 8/9. To give additional support to 8th grade students, math teachers provide after school study sessions to help prepare for this exam.

Beginning in 2018, Language Arts and Science teachers began attending “Laying the Foundation” training to assist teachers in increasing rigor within their classrooms. GMS students also have morning and after school CORE Club, a 21st Century program, that meets daily to support students with individual academic needs of students with engaging activities.

Glasgow Middle School is proud of the accomplishments made over the last three years. KPREP results for 2018-2019 placed GMS in the top 23% of middle schools across the state with an overall 4 Star Rating. Reading and math scores were in the high range, separate academic indicators in the medium range, and growth in the medium range. Additionally, students scoring proficient or distinguished in reading and social studies was at a six-year high. Students scored above the state average in reading, math, and social studies. Achievement results from 2017-2018 K-PREP showed GMS scoring above the state average in all content areas. In addition, all content areas showed gains in the percentage of students scoring proficient or distinguished. These gains were greater than test scores from the last 5 years.

Writing showed the most gains with the percentage of proficient and distinguished students increasing from 28.7% to 51%. This achievement is attributed to the implementation of the Scottie Power Paragraph to the writing program and across all content areas. As GMS continues to refine the writing plan and the implementation of the Scottie Power Paragraph, GMS strives to see additional improvements in writing.

Another achievement is the successful partnership GMS has with Advance Kentucky. Results from the 2019 PSAT 8/9 had 105 students, or 75%, either meeting math benchmark or making a 70 point gain from 7th to 8th grade, which is considered aggressive growth. Additionally, 41 of our Scotties had a composite score on the PSAT that placed them in the top 10% of students nationwide. Further, 42 students were in the top 10% in math and 33 students were in the top 10% in reading & writing.

A third achievement is the work GMS is doing with the Striving Readers Comprehensive Literacy grant (SRLC). This grant is giving teachers the opportunity to learn new reading strategies that are being implemented throughout all classes. In addition, the grant has allowed the school to implement a lit lab which gives students the opportunity to work on their literacy skills before or after school with a teacher that can address specific student needs.

Another achievement is the implementation of STEM lab, advanced medicine, and expansion of coding classes. Adding these exploratory classes provides students with the opportunity to explore a variety of fields of study. Offering these exploratory courses makes GMS unique as these type of exploratory classes are not the norm at the middle school level. In addition to these exploratory classes, GMS provides students with a stellar arts program. For three consecutive years, student performances of Hairspray, Beauty and the Beast, and Shrek have been extremely successful. Last year’s performance of Hairspray was modified into a group talent skit for state Beta competition and received first place. The choral and band programs have large numbers of students receiving honors, such as: 21 (2019) and 24 (2018) students being named to the all-state American Choral Directors Association, more than any other school in the state, 15 students being named to the Kentucky Music Educators Association all-state choral, and 10 band students being named to various chairs in the Kentucky Music Educators Association district competition.

### **Glasgow High School**

Glasgow High School has a culture of greatness. GHS has been named a Model School by the International Center for Leadership in Education, one of only six high schools in the country to be given this award. In addition, Glasgow High consistently scores in the top 10% of all Kentucky high schools on the ACT. Moreover, GHS has been named to US

News and World Report’s “Best High Schools” for numerous years due to our academic achievement, college readiness, and graduation rates. This designation puts GHS in the top 3% of all high schools nation-wide.

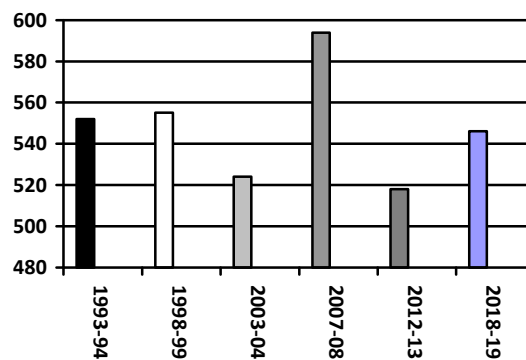
Although having an exorbitant amount of students living in poverty, the team at GHS believes it is their calling to give these students the best education possible so that they will have choices and opportunities after graduation. Roughly 85% of Glasgow students continue their education at a postsecondary institution, both in and out of state. Hence, teachers utilize national standards as well as state standards in their curriculum.

Glasgow High School offers a diverse curriculum including Advanced Placement Courses, college-prep classes, dual-credit classes, and research-based instruction along with high academic standards enabling all students to attain their highest level of academic performance. GHS offers 16 Advanced Placement courses that are open to all students. In addition, they offer unlimited dual credit classes from the University of Kentucky, Western Kentucky University, and Eastern Kentucky University. Their “Project Lead the Way” courses in Engineering are recognized nationally, as have been awarded a Program of Distinction. Due to student requests and employment opportunities in the area, GHS recently added Advanced Medicine, Computer Science, and Information Technology career pathways. Students can earn industry certifications in AutoDesk Revit; Autodesk Inventor; FAA Remote Pilot; Medicaid Nurse Aide; Pharmacy Technician; ServSafe; IC3; Network +; Google; MOS; and more.

The GHS staff consists of 45 certified and 22 classified employees with an average of 14.5 years teaching experience. Twenty-five (25) of our teachers have earned their Master's Degree or higher; three have an Education Specialist designation, and one has earned a doctorate in educational leadership. The faculty continuously strives to better themselves professionally as well as share their knowledge with others in the field. During the summer months and school year, our teachers are AP (College Board) readers, consultants, and table leaders; trainers for Laying the Foundation; teachers for Project Lead the Way; present for AdvanceKY (a NSMI initiative); and present for organizations such as the Kentucky Department of Education, Kentucky ACT Symposium, Code.org, and the Kentucky Association of School Councils.

GHS has been recognized as a leader in educating students to the highest degree possible and helping students over various barriers that may impede their success in life. In addition, Glasgow High School has contracted with College Prep, a college coach located in Louisville, to meet the needs of their highest achieving students who are seeking admission into highly selective universities and colleges.

**Figure 6.5:**  
**Glasgow High School Enrollment**



Source: Glasgow Board of Education.

## CAVERNA INDEPENDENT SCHOOL SYSTEM

The Caverna School System is an independent school system operating within the geographic borders of Hart and Barren Counties. Composed of three schools, the school system serves students from preschool age through grade 12. The district builds community partnerships to enhance the educational system and involve multiple stakeholders in the structure of learning.

The Caverna Independent School District is devoted to creating a better future: every student, every classroom, every day. This district has a diverse population and feels this is one of this district’s greatest strengths. All students regardless of race, gender, socioeconomic status, or religion have access to all educational and extra-curricular opportunities that Caverna has to offer. The district promotes equity and understanding of differences and highlights students’ unique qualities and talents.

Caverna is committed to high quality professional learning for teachers and administrators to be on the cutting edge of educational practices. Caverna is a “Google” district and administrators, teachers, and

students utilize Google Apps for Education to network, collaborate, and research.

Establishing positive relationships and building leadership potential in students is a priority for the district, as well as, preparing students to be productive college and career ready citizens.

### Caverna Elementary School

Caverna Elementary School (CES) is located in Cave City and serves approximately 400 students in preschool through 5<sup>th</sup> grade. Students at CES are exposed to a quality educational experience utilizing the latest technology. All classrooms have computer stations, along with an Active Board system that allows students to learn through an enhanced multimedia experience. The school has a well-established Student Technology Leadership Program that has repeatedly competed at the state level in showcase projects, photography, cinematography, and robotics. Caverna is currently building their new Science Technology Engineering Arts and Math (STEAM) MakerSpace area that will provide hands-on, project-based opportunities for the students.

The school is dedicated to providing an environment that promotes high self-esteem and a love of learning. This is achieved through the positive attitudes of innovative teachers working in conjunction with outstanding students and supportive parents. CES implements Positive Behavioral Supports and the Leader in Me program. Caverna Elementary is one of less than 300 schools internationally that has been named a Leader in Me Lighthouse School.

Caverna Elementary strives for excellence in education by providing relevant learning for all students and is a friendly school where teachers, parents and students work together to make the community a better place.

### Caverna Middle/High School

Caverna Middle and High School share the same building with the middle school located on the first floor, serving grades 6 – 8, and the high school is on the second floor and serves grades 9 – 12. The schools are located in Hart County, nestled between Horse Cave and Cave City on Highway 31-W. Approximately 300 students living in both communities attend Caverna High School and Middle School. The student population is mainly urban; however, several students live in the rural fringes of the Caverna Independent School District.

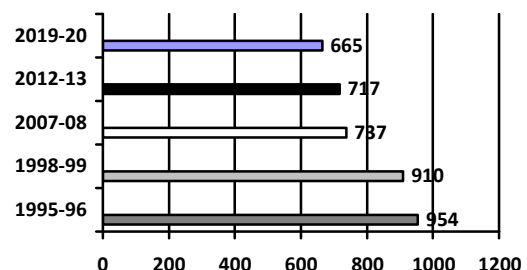
The instructional program at Caverna Middle School teaches all students to be successful as they enter high school. Instruction is delivered by several methods in a classroom setting. Students collaborate in groups, integrate lessons across disciplines, and benefit from other self-directed activities.

CMS is strengthening their Student Technology Leadership Program and is proud to have a student team that placed in the top ten at state level. The middle school is also one to one in student to Google Chromebooks ratio which allows for research, project-based learning, and differentiation of instruction.

Caverna High School strives to build globally competent leaders and prepare students to transition into higher education opportunities or the workforce. The high school recently launched the Project Lead the Way initiative and is offering a course in Principles of Biomedical Science. The high school has also begun to build an Industrial Maintenance program offering certification in Maintenance Mechanic and Electrical Technician.

Caverna High School believes in educating the whole child; therefore, an extensive variety of extracurricular activities of sports and student organizations support the total educational program at Caverna High School.

**Figure 6.6:**  
**Caverna Independent School System Enrollment**



Source: <http://www.education.ky.gov>

### GLASGOW CHRISTIAN ACADEMY

The Glasgow Christian Academy is a private school located at 307 Columbia Avenue. The school currently leases space and is in the process of planning for a new school facility to meet the educational needs of each of our students. Glasgow Christian Academy's preschool serves students age 2 to 5 and is licensed by the State of Kentucky and

GCA's preschool holds a STARS 4 rating. Glasgow Christian Academy also offers a Biblical Worldview Education to students in Kindergarten through 12<sup>th</sup> grades. Glasgow Christian is fully accredited by Association of Christian Schools International and the Non-Public Schools Commission.

Glasgow Christian Academy's mission is to assist parents in educating students intellectually, physically, socially, and spiritually in a Christ-centered environment and equipping students with a Christian worldview, thereby empowering them to engage the culture for Jesus Christ. GCA seeks to educate in excellence using their Core 4 statements: Gospel Centered, Educationally Distinguished, Student Focused and Culturally Engaged.

Glasgow Christian Academy's staff is focused on each student achieving their highest potential and being prepared for whatever the next step that God has planned for them. Glasgow Christian Academy's results are undeniable with testing scores surpassing local, state and national averages.

Source: Glasgow Christian Academy

## SCHOOL SYSTEM INFORMATION

The tables below indicate general information in relation to the various school systems:

**Table 6.9:**  
**School District Relationships 2018-19**

School System	Student / Teacher Ratio	% Teachers w/ Rank 1 Certification	Average Yrs. Teaching Experience
Barren	15:1	28.9%	12.8
Glasgow	14:1	25.9%	13.0
Caverna	15:1	22.0%	10.4
State	15:1	30.6%	12.0

Source: <http://www.education.ky.gov>

**Table 6.10**  
**School District Relationships 2018-19 Cont.**

School System	Cost per Student	Student / Computer Ratio
Barren	\$14,443	2.3:1
Glasgow	\$16,973	1.4:1
Caverna	\$15,072	1:1
State Avg.	\$10,174	2.5:1

Source: <http://www.education.ky.gov>

**Table 6.11:**  
**School District Performance 2018-19**

School System	ACT Avg.	Attendance Rate	Retention Rate	Drop-out Rate
Barren	18.3	94.8%	0.6%	0.6%
Glasgow	21.0	94.9%	0.7%	0.3%
Caverna	16.1	93.4%	2.0%	2.0%
State	19.2	94.0%	2.4%	3.2%

Source: <http://www.education.ky.gov>

**Table 6.12:**  
**High School Graduates Transition to Adult Life 2018-19**

School Syst	College	Military	Work	Voc/Tech Trai	Work & Part-T School	Not Success
Barren	38.4%	2.2%	24.3%	18.5%	15.9%	1.3%
Glasgow	46.9%	1.5%	28.6%	11.2%	11.7%	0.0%
Caverna	19.0%	0.0%	43.0%	4.0%	26.0%	4.0%
State Avg	56.6%	62.6%	21.7%	6.1%	6.5%	6.5%

Source: <http://www.education.ky.gov>

## Barren County Area Technology Center

Barren County Area Technology Center is located on the campus of Barren County High School. The Barren County ATC serves students from Barren County High School, Glasgow High School, Caverna High School, & Hart County High School. The school offers twelve programs, eleven being on campus and one is a satellite program. Those programs are:

- ✓ Automotive
- ✓ Business Management
- ✓ Computer-Aided
- ✓ Drafting/Design Engineering
- ✓ Carpentry
- ✓ Computerized Machining
- ✓ Diesel
- ✓ Electricity
- ✓ Health Sciences
- ✓ HVAC
- ✓ Industrial Maintenance
- ✓ Information Technology
- ✓ Welding

Barren County ATC is the largest technical center in the commonwealth of Kentucky, serving more students and having more available programs than any other ATC. When a student completes a pathway at the ATC they are given the opportunity to earn an industry certification, obtain dual credit college hours and/or obtain work experience through a work-based learning opportunity. The school's success is credited to the relationships with business & industry and partnerships with our community.

### **WESTERN KENTUCKY UNIVERSITY (WKU), GLASGOW CAMPUS**

Western Kentucky University (WKU) officially opened WKU in Glasgow in February 1993. The campus is located at 500 Hilltopper Way, off of Trojan Trail which is at the intersection of the Louie B. Nunn Parkway and U.S. 31-E (SL Rogers Wells Boulevard). WKU in Glasgow is the largest regional campus of Western Kentucky University and offers college coursework to the citizens of Barren and surrounding counties. WKU in Glasgow offers a variety of degree programs through a combination of in-person, online, live-streaming technology (WKU Connect) and hybrid course delivery formats to meet the unique needs of the community. Degree programs are selected based on the needs of business & industry in Barren and surrounding counties.

Students have access to a variety of resources and support, including academic advising, financial aid counseling, tutoring, writing assistance and military student services, as well the WKU in Glasgow Learning Commons which houses computers/printers, study areas, collaborative workspaces and a testing center.

WKU Career & Workforce Development offers programs that support the workforce needs of business and industry. They offer courses in communication skills, team building, supervision and more, as well as certificate programs to develop the workforce throughout the region.

WKU in Glasgow is also a community resource, providing a variety of space for local businesses, groups, clubs and organizations to host meetings and conferences.

A variety of degrees are available at WKU in Glasgow, including:

#### **Bachelor's Degree Programs**

Psychology  
Paralegal  
Elementary Education  
Management (Business Management Option)  
Health Science  
Criminology  
Sociology  
Bachelor of Interdisciplinary Studies (BIS)  
Workforce Administration

#### **Bachelor's Program Minors**

Criminology  
Psychology  
Sociology

#### **Master's Degree Programs**

Master of Public Administration (MPA)

#### **Certificates**

Undergraduate Certificate in Family Home Visiting

### **BARREN COUNTY PUBLIC LIBRARY**

The Mary Wood Weldon Memorial Library is located at 1530 South Green Street in Glasgow and is open six days a week. Currently the Library has six full-time staff members and six part-time staff members. The library website, <http://www.weldonpubliclibrary.org>, provides information to the community about upcoming programs and services. Listed below are some of the library's statistics and services:

#### Library Collection Book Collection

Adult Fiction	18,851
Adult Non-fiction	8,808
Juvenile Fiction	9,398



Juvenile Non-fiction 5,928  
Total 42,985

#### Audiovisual Materials

E-books 154,168  
Audio Books 2,266  
Downloadable Audio Books 35,135  
Downloadable Video 1,914  
DVD 2,405  
Online Databases 75  
Total 195,963

Serial Subscriptions/Magazines/Newspapers  
Subscriptions 42

#### Services

Computer/Internet/Services  
10 Public Adult Computer Stations  
8 Public Youth Computer Stations  
Printing (fee)  
Microsoft Office  
Interlibrary Loan  
Fax Service (available to send for a fee)  
Photocopying (fee)

#### Programs

Book Sprouts (Weekly)  
Sing-A-Book My Baby (Weekly)  
Tator-Tot Time (Weekly)  
Tween Craft Program (Weekly)  
STEM Programs (Monthly)  
Youth Summer Reading (June & July)  
Adult Summer Reading (June & July)  
Young Adult Programs (Sporadically)  
Adult Programs (Weekly and Monthly)  
Adult Book Discussion Group (Monthly)  
Outreach Programs available upon request

#### Advocacy Groups

Friends of the Library: The library has an active and growing support group open to all interested persons & businesses.

Library Foundation: The foundation is a support group for the library.

#### Additional Services

Meeting Rooms: Meeting room available to community groups, reservation only.

Bookmobile Services: The bookmobile serves schools, daycare facilities, Headstart, preschools, assisted living facilities, nursing homes, the

homebound, and has community stops throughout Barren County.

#### Library Outlook

The public library has a two-fold purpose, beginning with a broad-based collection which covers the basics for general use, or reading for pleasure and secondly, meeting specific needs of the community. The library is the location for those who do not have Internet access in their homes. Use of the library at a young age is a great resource for the educational development of children therefore youth programming continues to expand. Downloadable materials in all formats will increase to meet the demand of users of mobile devices. As the population of Barren County ages the collection of large print books will increase.

**Table 6.13:**  
**Library Facilities – Current and Recommended**

Facility Type	Current	Recommended
Building	16,600 sq. ft.	26,289 sq. ft.
Public Internet Access	18 Computers	22 Computers
Books	42,985	96,480

Source: 2017-2018 Library Annual Report

## **RECOMMENDATIONS**

### **PROJECTIONS**

#### **Water**

In an effort to protect and serve projected population increases, efforts should be made to maintain, upgrade, and expand existing water service throughout Barren County.

#### **Wastewater**

In an effort to serve projected population increases, protect the environment, and the public health, efforts should be made to maintain, upgrade, and expand existing sanitary sewer service throughout Barren County. A comprehensive wastewater facilities plan should be developed for Barren County and coordinated with regional facilities plan and state regulatory requirements.



## Solid Waste

The need for solid waste disposal will continue to increase, both in the number of customers or in the amount per customer. Preparations need to be made to dispose of this increase as projected. Increased recycling programs should be developed.

## Public Safety Services

Increased funding for public safety services will be needed to continue the current level of service as the population of Barren County increases.

## Recreation

Existing facilities should expect an increase in use by the public.

## INFRASTRUCTURE

- ❖ Establish a relationship between public organizations within Barren County and the Planning Commission to coordinate planning efforts in order to create functional, compatible and consistent plans for community facilities and programs.
- ❖ Develop policies and standards to ensure the vitality, integrity, and sustainability of public facilities and the surrounding land uses.
- ❖ Adequate utilities should be extended on a priority basis to developed areas of the County.
- ❖ All new development should have proper utilities installed by the developer, where public services are not provided.
- ❖ The extension of proper utilities should be designed to meet the capacity of potential growth and precede development.
- ❖ With respect to aesthetics, the use of underground utilities should be encouraged where feasible.
- ❖ All utility facilities should be screened when placed on the exterior front setback of new site development.
- ❖ The rehabilitation of existing water systems, as well as provisions of new systems, be carried out in accordance with the Insurance Services office (ISO) Fire Suppression Rating Schedule, and the National Fire Protection Association (NFPA) Fire Protection Handbook. The following factors need to be considered:

- Public Protection Fire Rating Standards;
- Needed Fire Flows;
- Fire Flow Testing;
- Fire Hydrant Distributions;
- Water Main Sizes; and,
- Fire Hydrant Spacing.

Rehabilitation must include maintenance, replacement, and reconstruction of aged, undersized, and deteriorated water facilities in Barren County.

- ❖ All on-site sewage disposal systems must be approved throughout Barren County.
- ❖ Implement requirements to ensure that all new developments located in areas accessible to a public sanitary sewer system will connect to such system.
- ❖ Discourage development in areas without adequate road, public water and public/private sewer systems.
- ❖ Coordinate local community facility plans with regional and state plans.

## SOLID WASTE MANAGEMENT

- ❖ Identify markets for recyclables and expand local recycling programs.
- ❖ Minimize open dumping problems by establishing a universal or consolidated collection system.
- ❖ Update County Solid Waste Management Plan.
- ❖ Implement technology that uses waste for other purposes and create composting facilities.

## PUBLIC SAFETY SERVICES

- ❖ New fire service protection sites should be created to reduce long response times when service is disrupted by rail, highway traffic, etc.
- ❖ Improve water pressure in outlying service areas for increased fire hydrant protection.
- ❖ Enhance and structure emergency medical operation for anticipated growth and activity by locating satellite emergency centers for faster response time, preparing personnel through training and instruction, developing emergency procedures manuals and call lists, etc.
- ❖ When locating emergency service facilities, consider the following:

- Build on or near arterial or connector road system;
  - Build on two-way streets with entrances regulated by traffic control devices;
  - Locate away from barriers that may delay response time;
  - Locate near greatest areas of concentration or areas of future development; and,
  - Allow room for maneuvering and storing of equipment.
- ❖ Local governments should evaluate existing mutual protection agreements between police agencies to achieve maximum police protection at minimum cost.
  - ❖ Police, fire, and emergency medical services should be kept up to date with new technologies.
  - ❖ Barren County governments should evaluate the condition, operation, and adequacy of the current jail facilities.
  - ❖ Increase the number of tornado/emergency warning sirens throughout Barren County.
  - ❖ Continue the coordinated efforts of disaster and emergency response programs.
  - ❖ Addresses identification should be visually posted on homes, mailboxes, etc. throughout the County to assist public safety services in recognizing locations.

## TELECOMMUNICATIONS

- ❖ This plan recommends that the siting of Cellular Antenna Towers, Personal Communications System (PSC) Facilities and Satellite Dishes should be subject to local review and approval. Further, this plan recommends that city and county officials and the Planning Commission work cooperatively with service providers and use the following list of recommended criteria when evaluating the siting of such facilities:
  - Service Providers should be required to file an “annual plan” covering the applicant’s present telecommunications towers and co-location sites within Barren County.
  - Service Providers should be required to co-locate or share towers/facilities with other providers in order to minimize the proliferation of towers/facilities.
  - Wherever possible, service providers should be required to use existing structures or

facilities that meet all of the requirements of the proposed installation. For example, water towers, radio and television towers, tall buildings, commercial signs, etc., in order to minimize the proliferation of new towers/facilities.

- Wherever possible, siting of such facilities should be required to be located in areas identified for industrial or commercial type uses.
- Ground level compounds such as equipment shelters, backup generators, etc. should be heavily screened from view.
- Towers should be camouflaged or designed in such a manner to blend into the surrounding area. For example, changes in topography of the land may be used effectively to separate such facilities from adjacent residential uses.
- To provide for proper separation, adequate setbacks should be provided based upon adjacent land uses and character of affected areas.
- The type of tower (e.g., monopole, carillon, etc.) should be evaluated based upon adjacent land uses and character of affected areas.
- When the facility is no longer required, the owner should remove it and the land restored to its natural state.
- Mico-Cell Telecommunication Towers should offer aesthetically pleasing structures to blend with the natural environment and neighborhood characteristics as well as provide clear language for co-locating onto existing utility infrastructure.

## INFORMATION TECHNOLOGY

- ❖ Barren County shall make every effort to provide universal access (to every Barren County citizen) to information technology and infrastructure developments.
- ❖ Encourage tele-commuting to reduce employment related commutes as people are increasingly able to work from their homes via use of computers, modems, and fax machines.

- ❖ Information technology shall assist in providing access to information, materials, and services normally found at government buildings, schools, libraries, and other public organizations.
- ❖ Promote the wide spread use of Geographic Information Systems (GIS).
- ❖ Utility service providers should be encouraged to examine technologies now available to read utility meters electronically and have the monthly readings sent directly to utility offices.
- ❖ Attract business growth by providing access to an information infrastructure that is flexible and capable of satisfying the diverse economic needs.
- ❖ Local businesses should be encouraged to deal with the exchange of purchase orders, invoices, and payments using a standard of electronic commerce.
- ❖ Local school districts should continue to teach children how to use the various information technologies in order to compete in the working world of tomorrow.
- ❖ Higher education learning facilities should be encouraged to use distance learning and career training via vide-conferences and interactive television.
- ❖ Medical facilities should be encouraged to exchange information through future technologies. Video-conference capabilities should be used to extend the latest technologies in health care to remote locations.
- ❖ In addition to GIS capabilities, emergency services should be encouraged to use Global Positioning Systems (GPS) so that emergency dispatchers can more effectively dispatch E-911 calls to police, fire, and ambulance locations.
- ❖ Future funding opportunities should be explored for developing new telecommunication-oriented businesses and services.
- ❖ Develop a process for the submission of land records such as subdivision plats and development plans in a Computer Aided Drafting (CAD) format, wherever possible, for the purpose of improved record keeping, reduced errors, and integration into the local GIS system.

## RECREATION

- ❖ Develop a long range plan for all ages meeting the recreational needs of Barren County through the coordinated efforts of local government.

- ❖ Develop a Greenways Masterplan for Barren County.
- ❖ Further develop the maintenance and use of dual use recreational facilities, like those located at many of the schools.
- ❖ Implement strategies to ensure the provision of sufficient parkland and open space in all new developments by encouraging home owners associations to maintain them.
- ❖ Continue funding through grants and by offering summer youth activities.
- ❖ Designate site specific areas as Rails to Trails or recreational use areas with appropriate funding mechanisms.
- ❖ Scenic areas along the major streams should be incorporated in a system of protected open spaces, scenic trails, and parks.
- ❖ Establish pedestrian corridors/walking trails within each city.
- ❖ Complete pedestrian/bikeway corridors between Mammoth Cave National Park, Cave City, and Park City.

## HEALTH CARE AND HUMAN SERVICES

- ❖ Maintain the present state-of-the art medical facilities in the County by upgrading the appropriate new technologies as they become viable to the community.
- ❖ Encourage the expansion of the STATCARE medical transport program within Barren County.
- ❖ Establish a relationship between the private sector, public organizations, health care organizations, and the Planning Commission to coordinate planning efforts in order to create functional, compatible, and consistent plans for future health care facilities and programs.
- ❖ Coordinate with local human services in an effort to plan for future needs and to establish community redevelopment programs.

## EDUCATION

- ❖ Elementary schools should be centrally located in residential neighborhoods, preferably on a collector street, so children do not have to cross major streets or railroads. Junior and senior high school facilities generate more traffic than

elementary schools, and should be located near a major arterial street, to eliminate heavy traffic congestion in residential neighborhoods.

- ❖ When undeveloped land is purchased for new schools, enough land for future expansion should be acquired.
- ❖ School sites should be integrated with planned park and recreational facilities whenever possible.
- ❖ Coordinate with local school districts to identify future needs based on long range planning strategies.
- ❖ Design schools with safe access for pedestrians, bicyclists, and motorists.
- ❖ Promote expansion of the Western Kentucky University (WKU) Glasgow Campus and local vocational education centers.

## COMMUNITY FACILITY STRATEGIES

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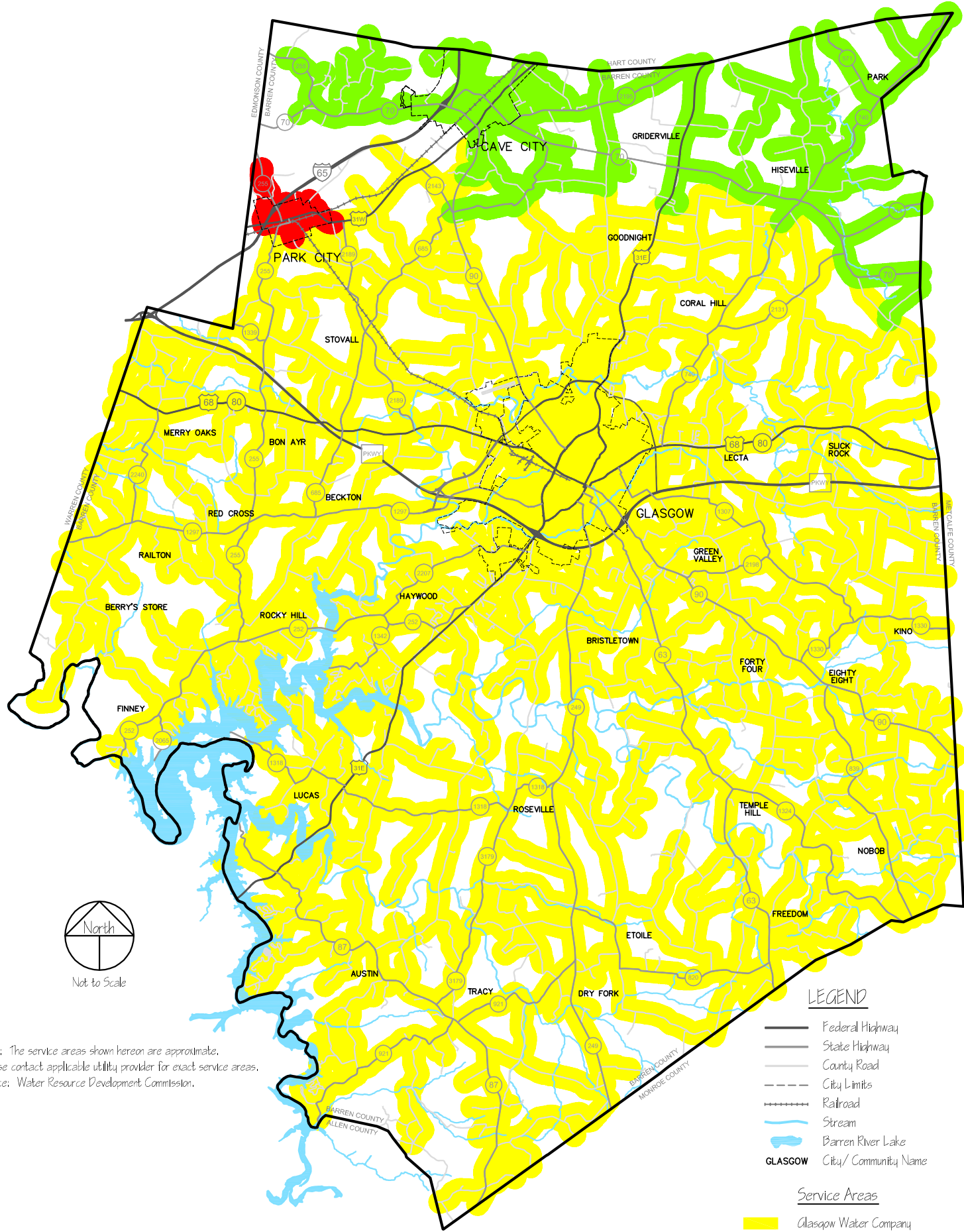
**Strategy 1:** Local governments should develop a Capital Improvement Program (CIP) which addresses needs and objectives, makes maximum use of existing facilities, and places priorities on needs which have the greatest benefit.

**Strategy 2:** Develop a Community Facility Needs Study for Barren County which identifies growth areas and prioritizes infrastructure development needed for those areas.

**Strategy 3:** Evaluate all options and develop a community plan for funding the cost of providing public services to serve existing and new developments.

**Strategy 4:** Develop a wastewater facilities plan for Barren County.

**Strategy 5:** Develop a technology master plan for Barren County.

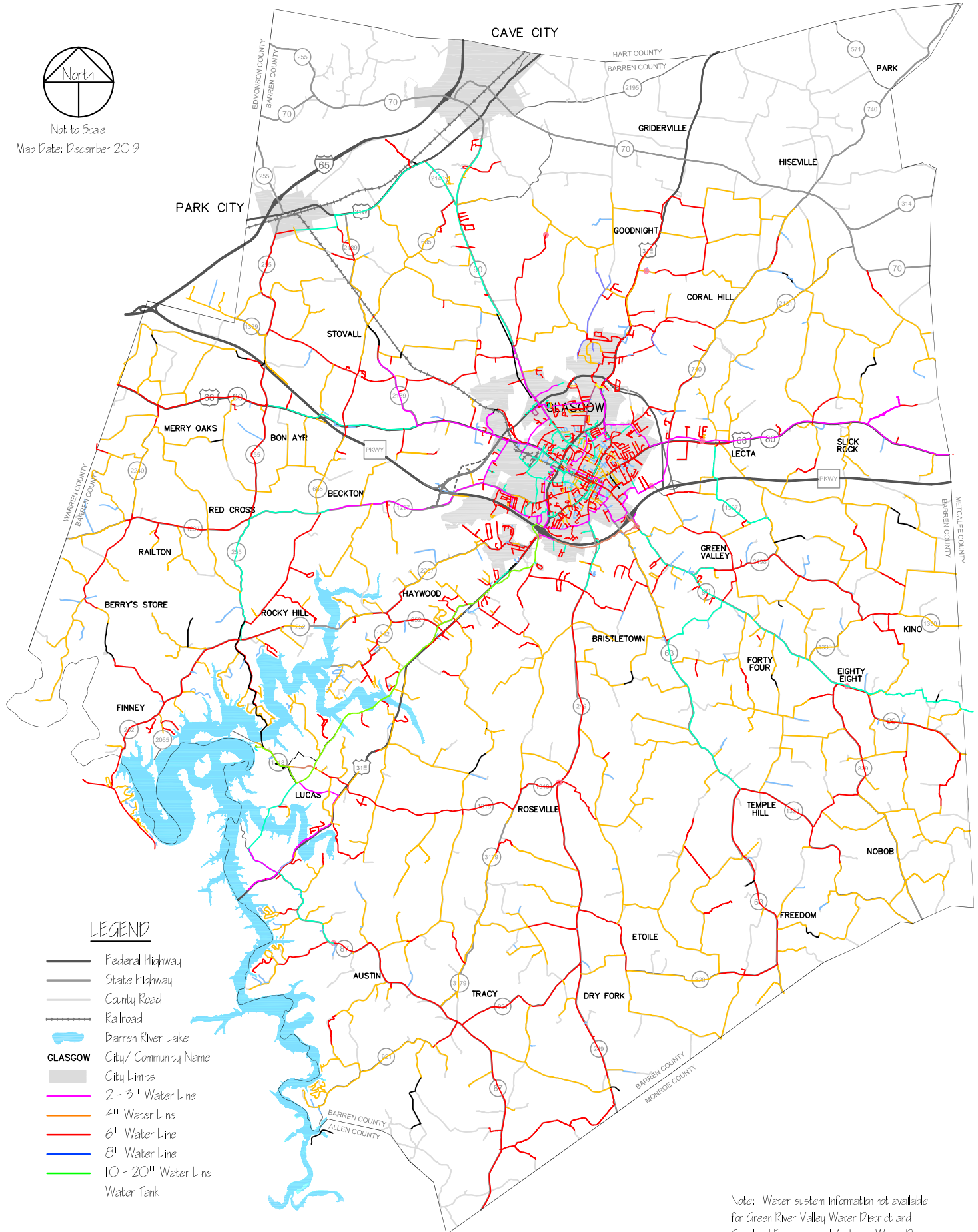


Note: The service areas shown hereon are approximate.  
Please contact applicable utility provider for exact service areas.  
Source: Water Resource Development Commission.



Not to Scale

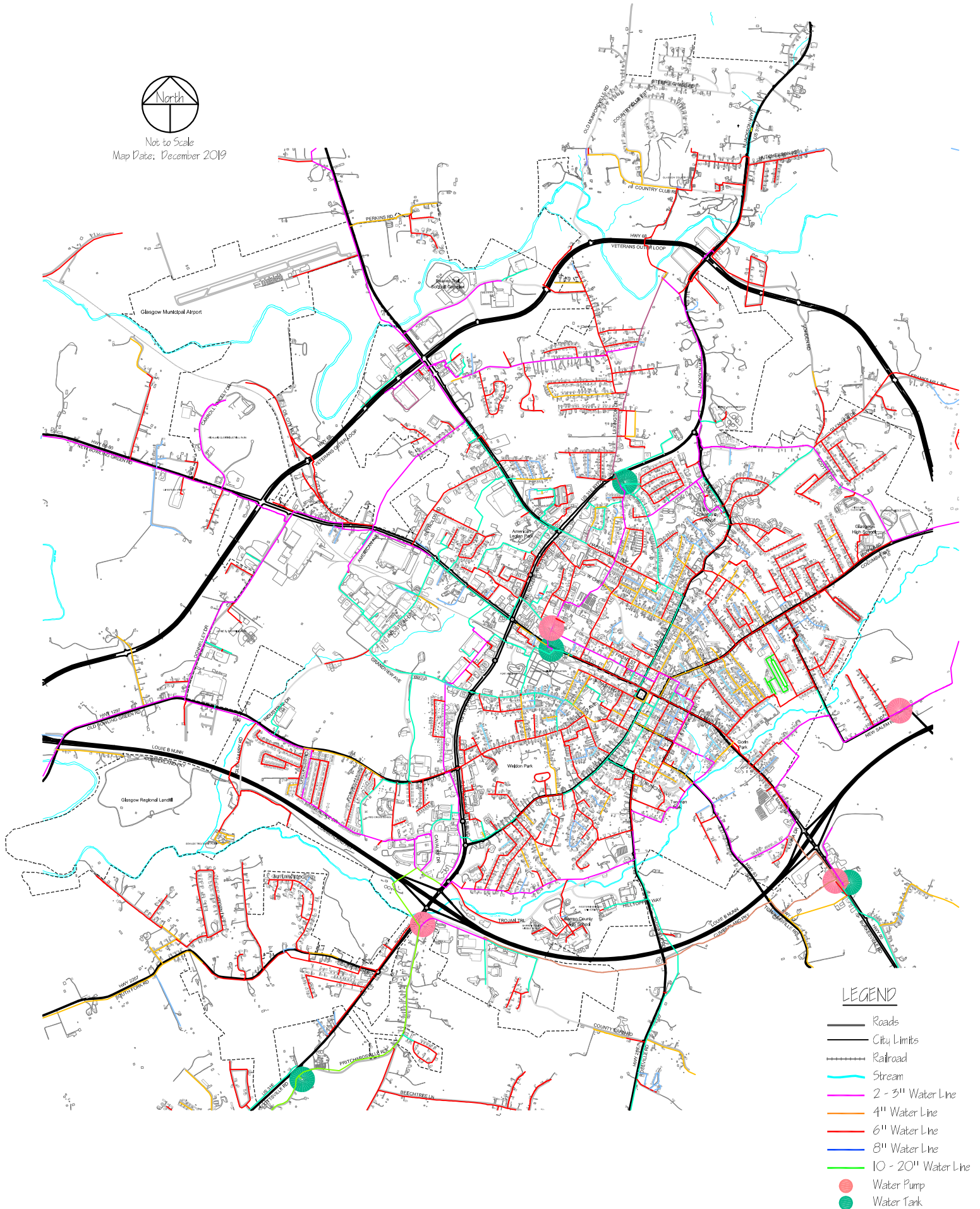
Map Date: December 2019







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Map Date: December 2019

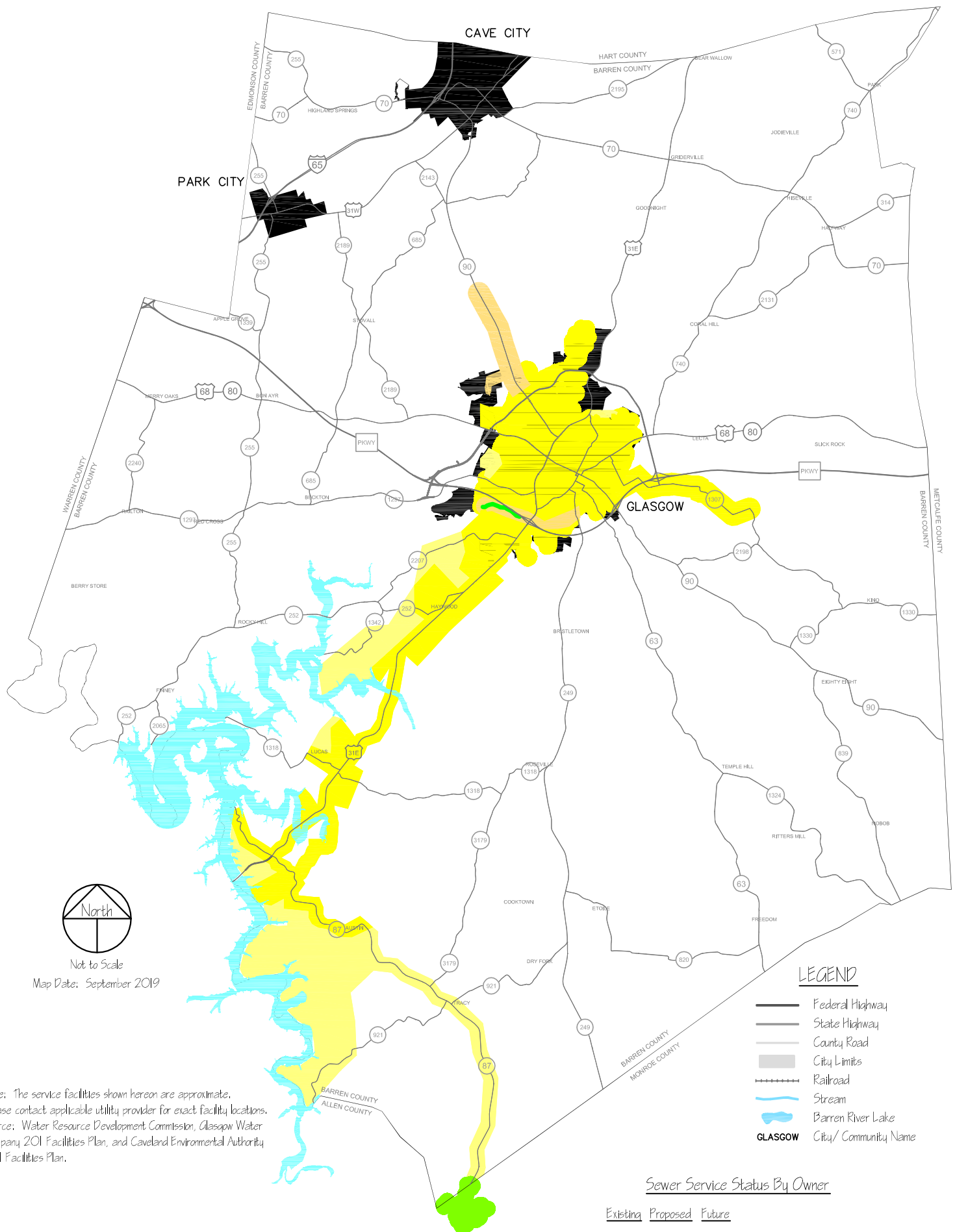


2019 Comprehensive Plan

Map 6.3: Glasgow Water Company - Glasgow Water System





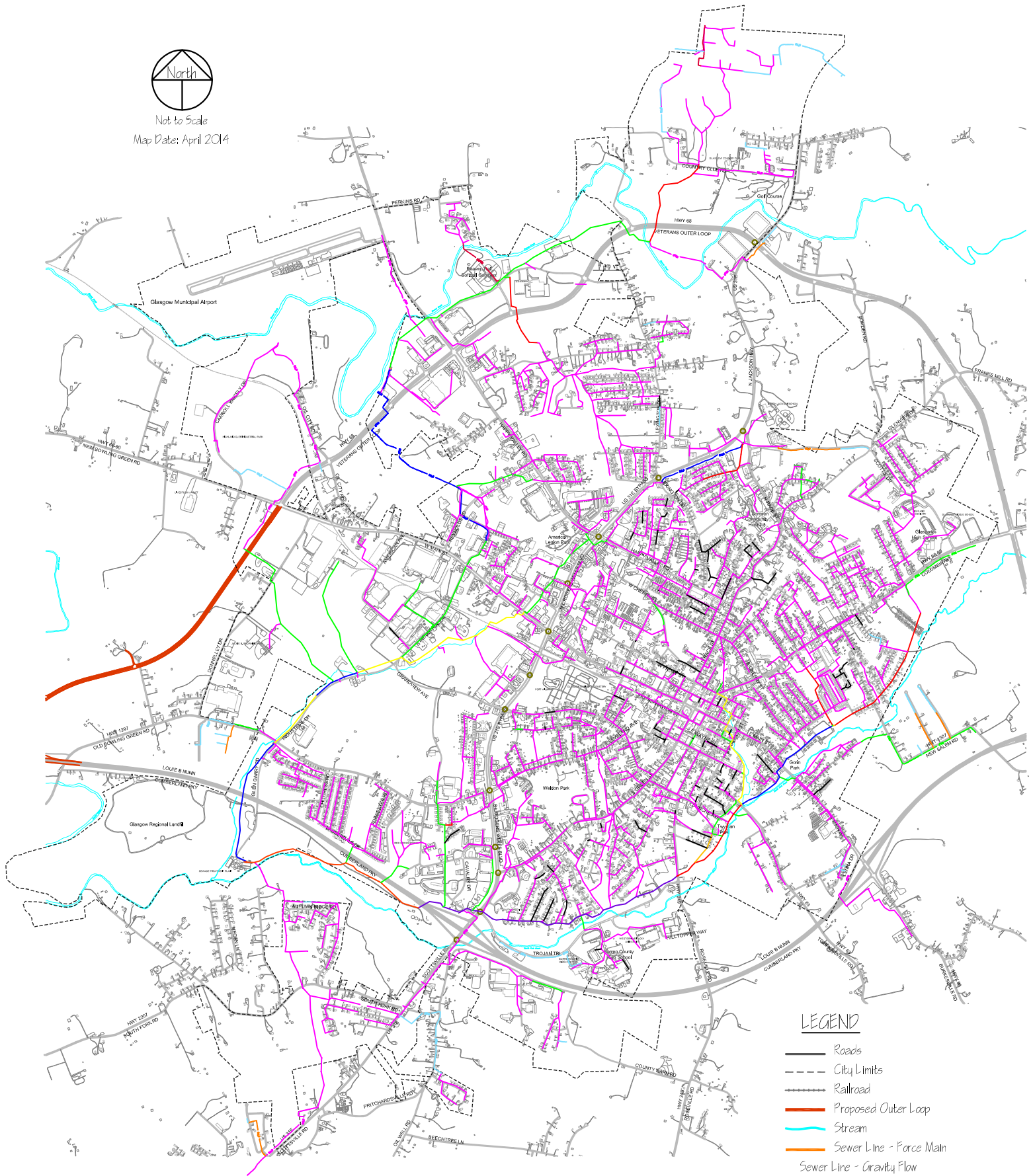


## 2019 Comprehensive Plan

### Map 6.5: Barren County Wastewater Utility Facilities



Not to Scale  
Map Date: April 2014

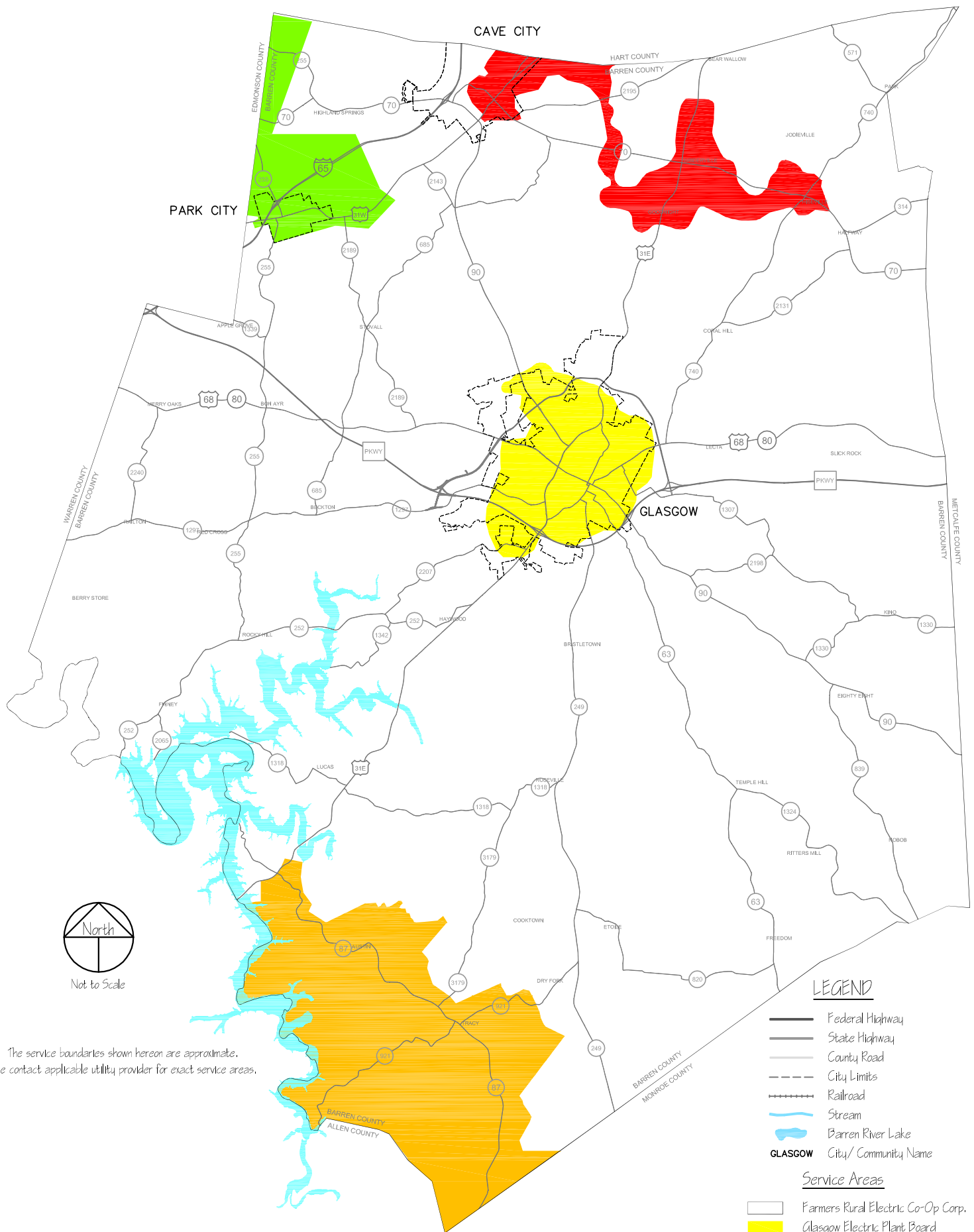


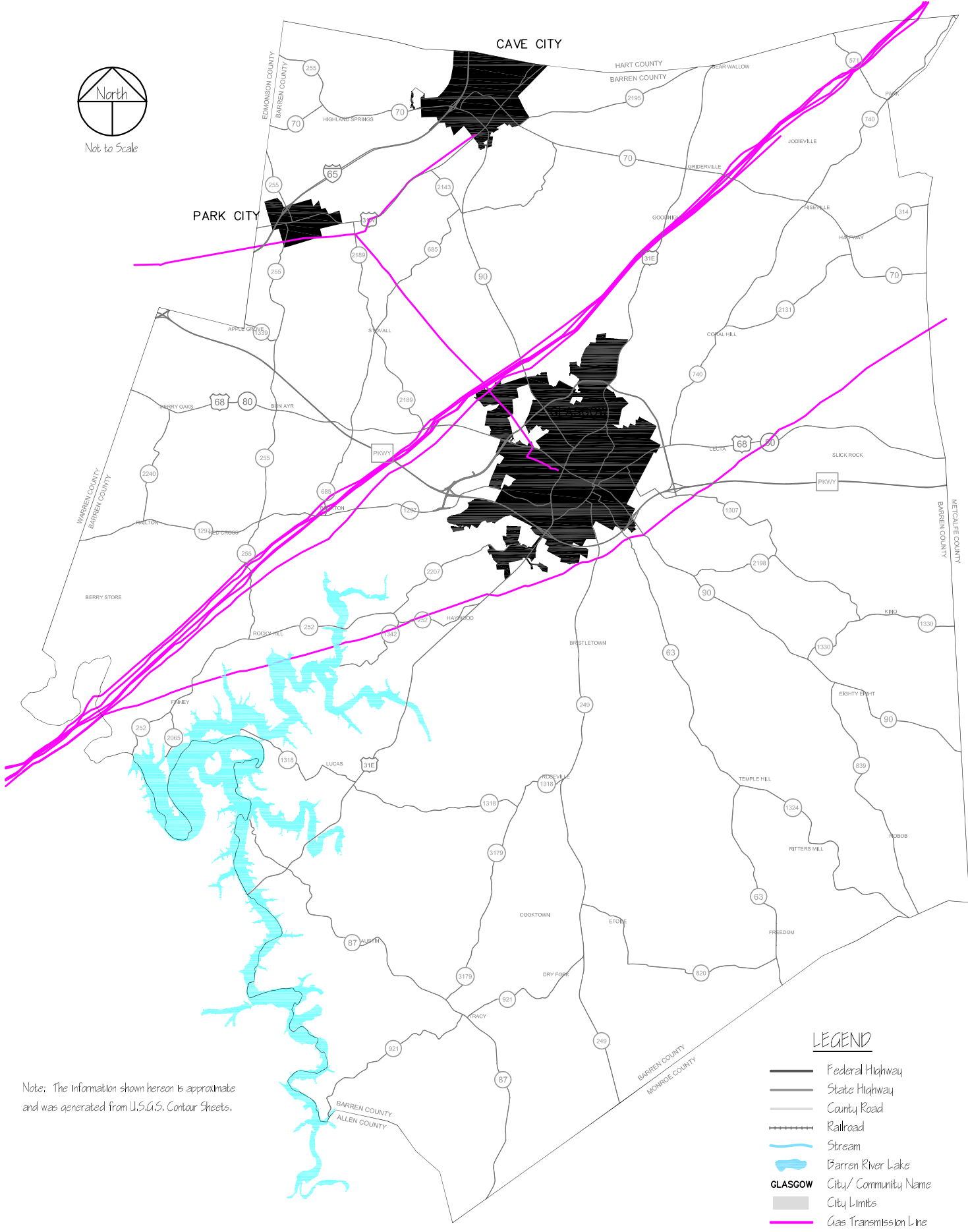
#### LEGEND

- Roads
- City Limits
- Railroad
- Proposed Outer Loop
- Stream
- Sewer Line - Force Main
- Sewer Line - Gravity Flow
- 6" 15"
- 8" 18"
- 10" 24"
- 12" 30"

2019 Comprehensive Plan

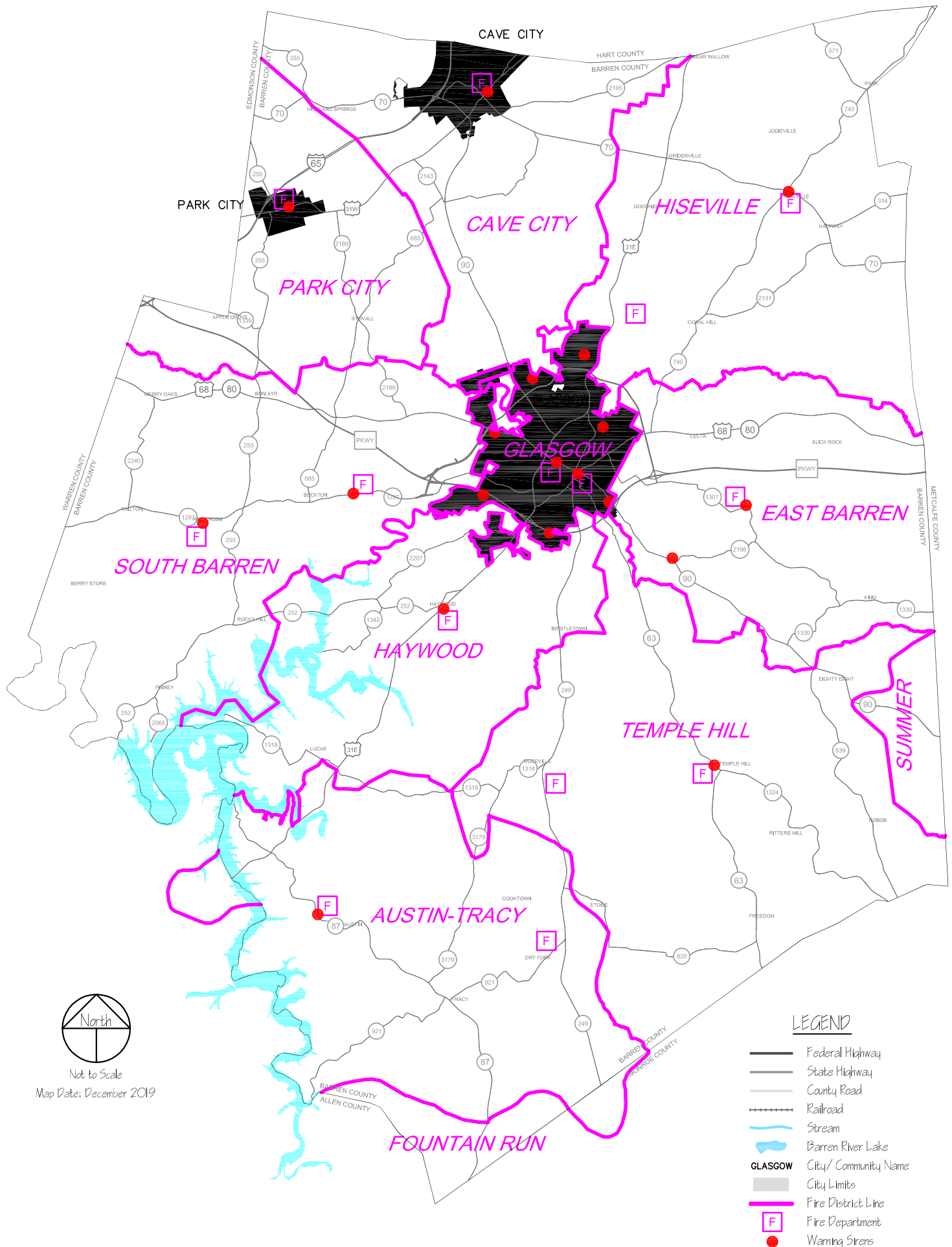
Map 6.6: Glasgow Water Co. - Glasgow Sanitary Sewer System





Note: The information shown hereon is approximate and was generated from U.S.G.S. Contour Sheets.

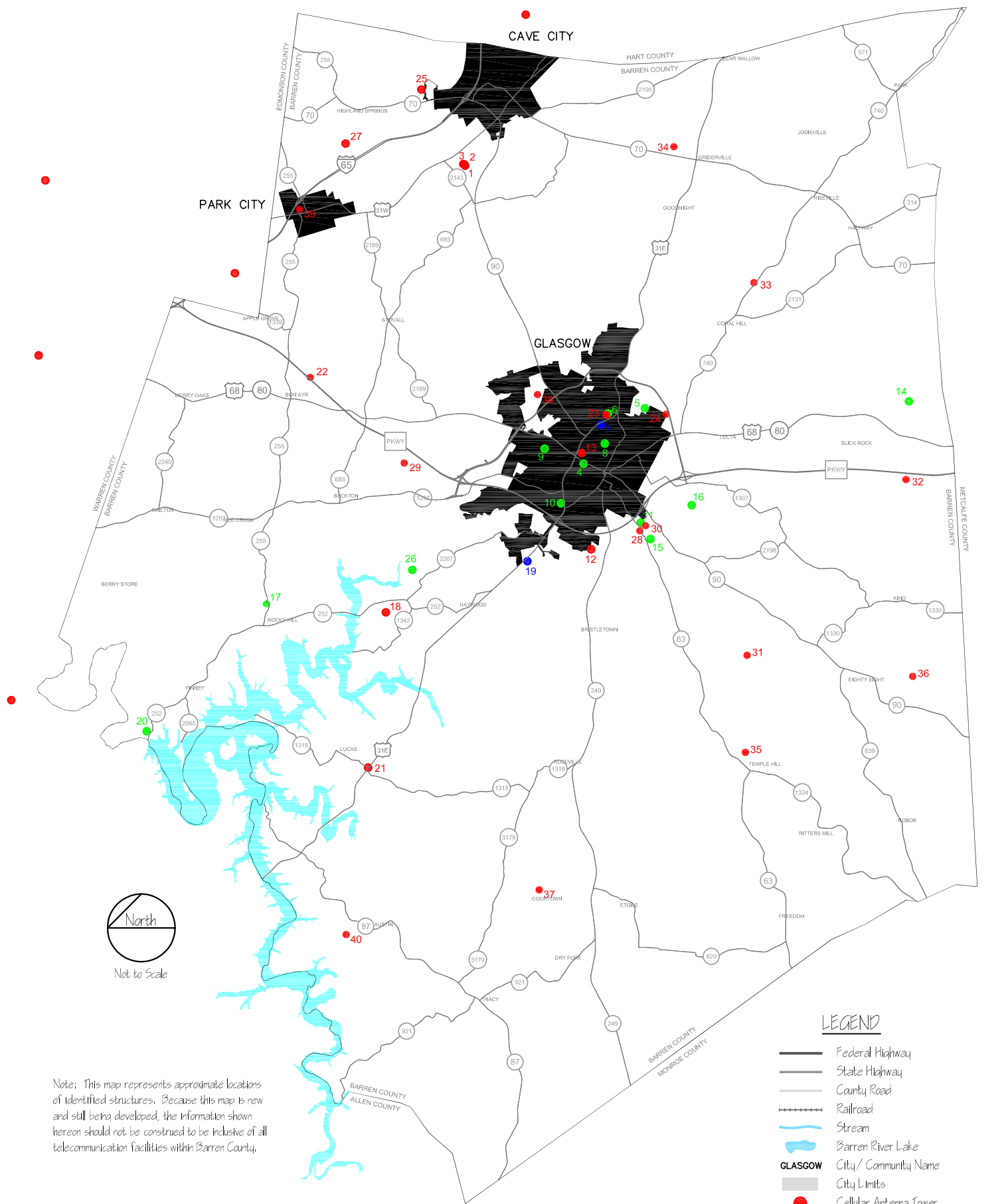


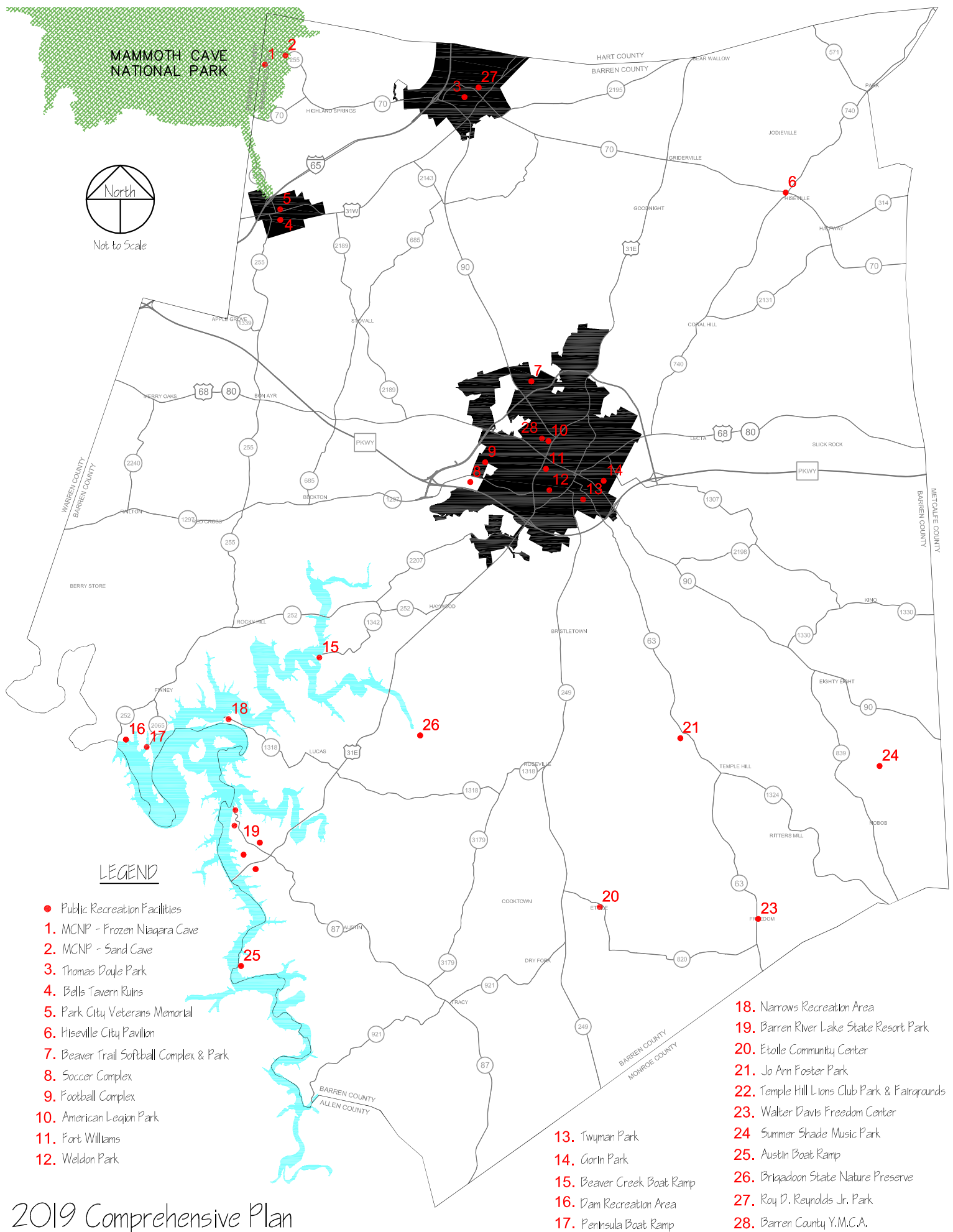


2019 Comprehensive Plan

Map 6.9: Barren County Fire Districts







## 2019 Comprehensive Plan

### Map 6.12: Barren County Recreation Facilities



