

1983

Industrial Resources: Fulton County - Four Mississippi River Counties

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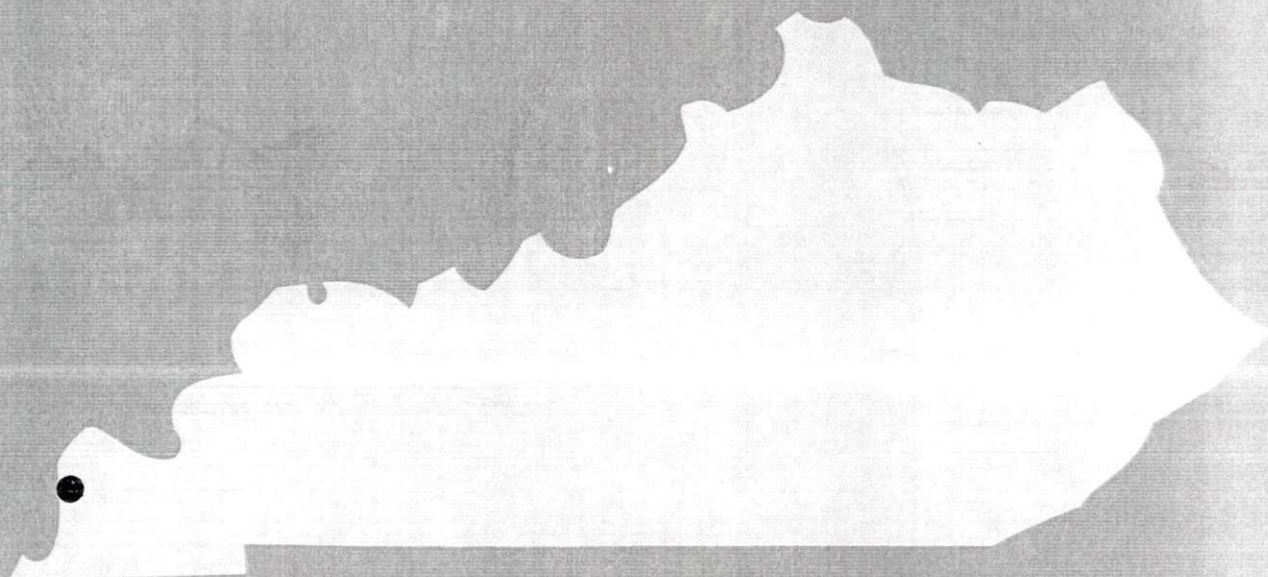
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1983

A comprehensive
report on

**Kentucky's Four
Mississippi River
Counties**



KENTUCKY & CO.
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A COMPREHENSIVE REPORT ON
KENTUCKY'S FOUR MISSISSIPPI RIVER COUNTIES

Prepared by
The Kentucky Department of Economic Development
Division of Research and Planning
in cooperation with
The Four River Counties Industrial Development Group

1983

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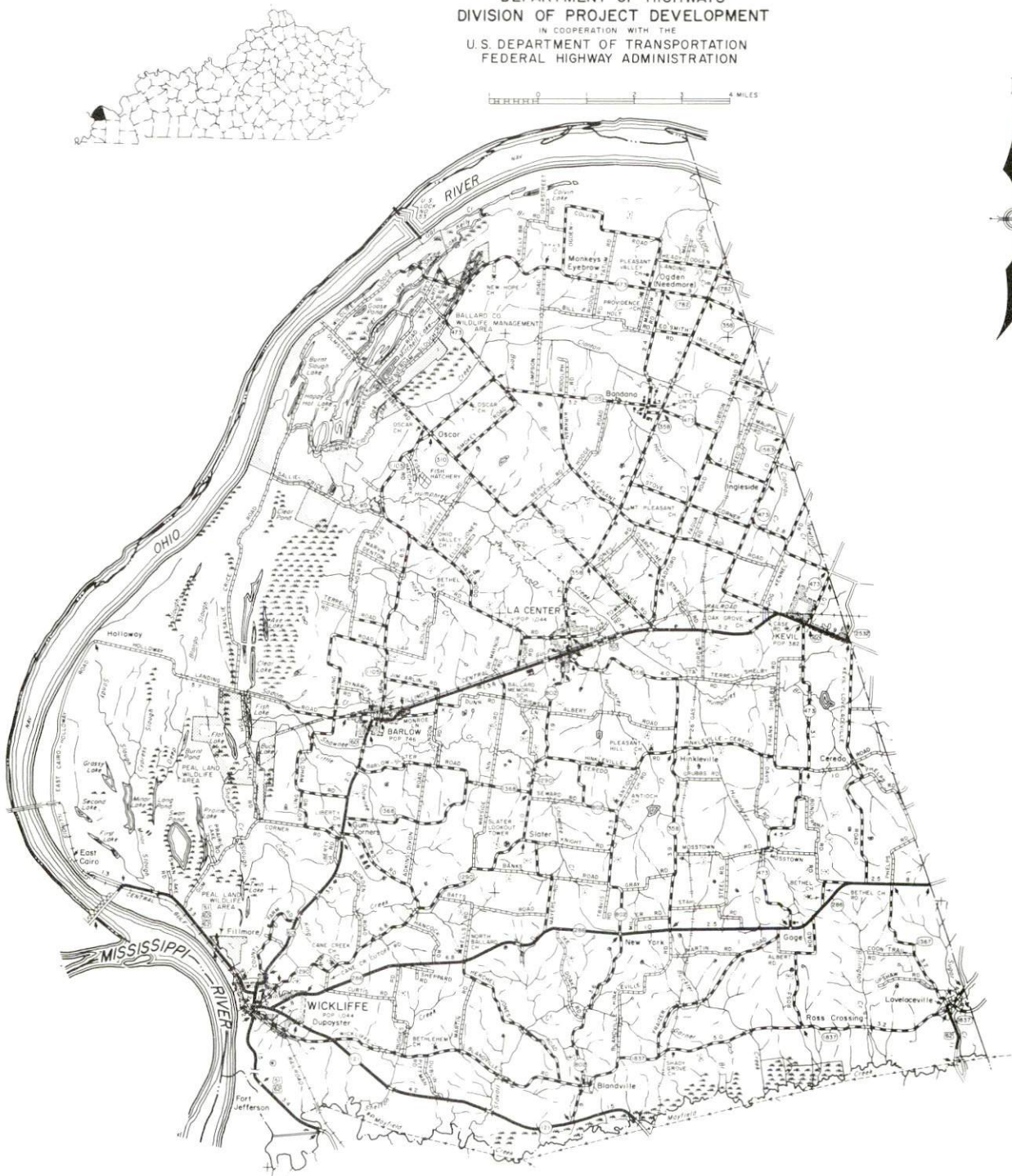
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GENERAL HIGHWAY MAP
BALLARD COUNTY
KENTUCKY

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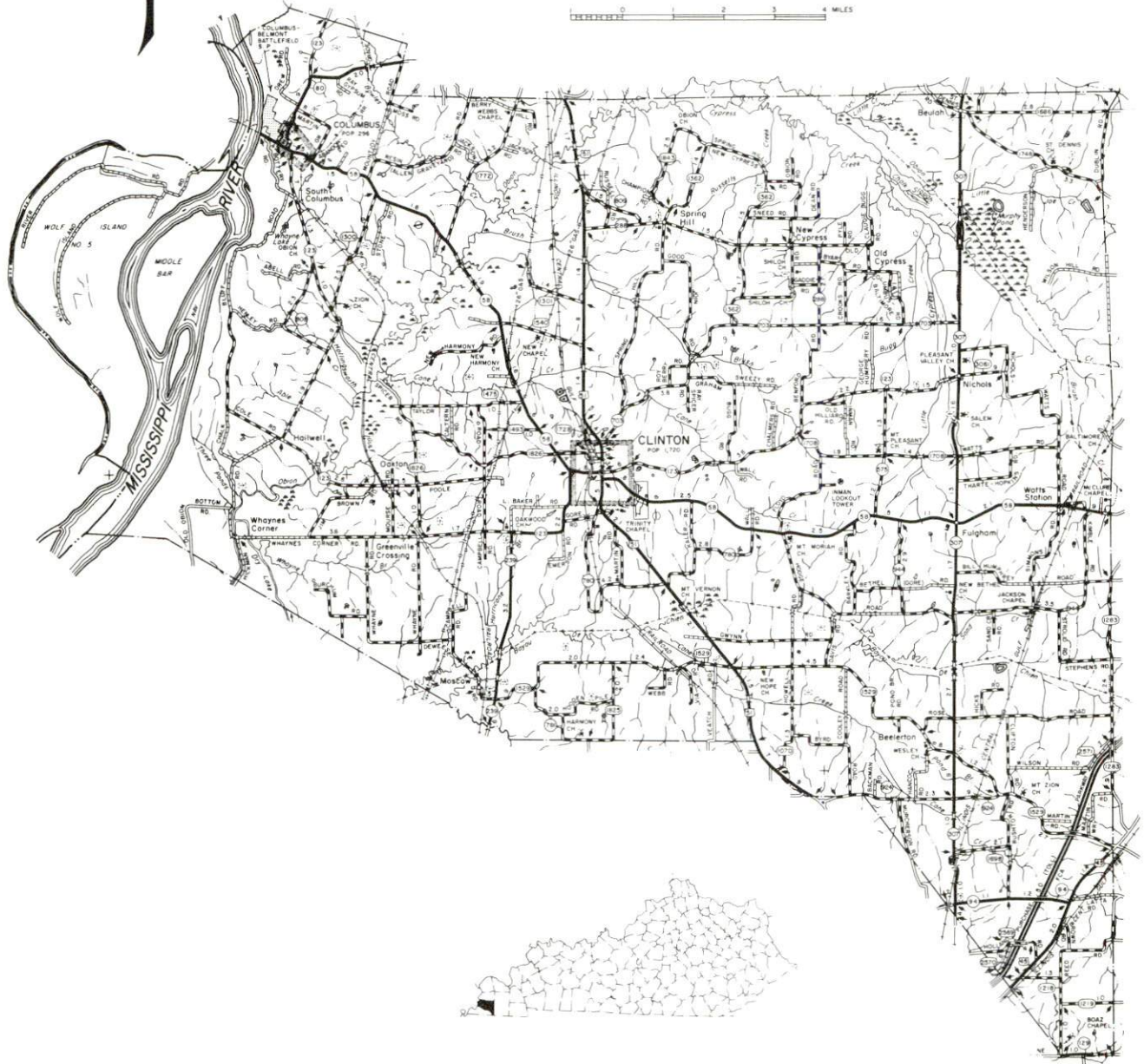
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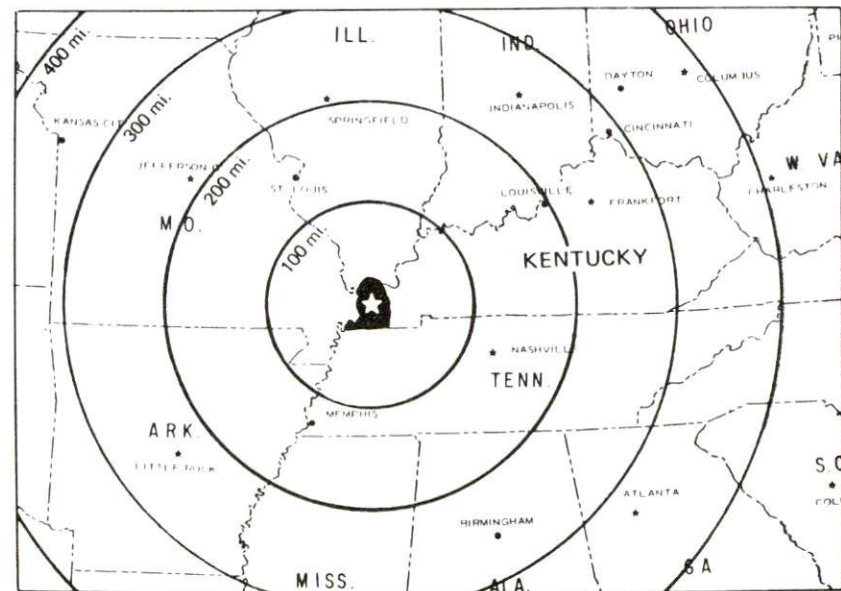
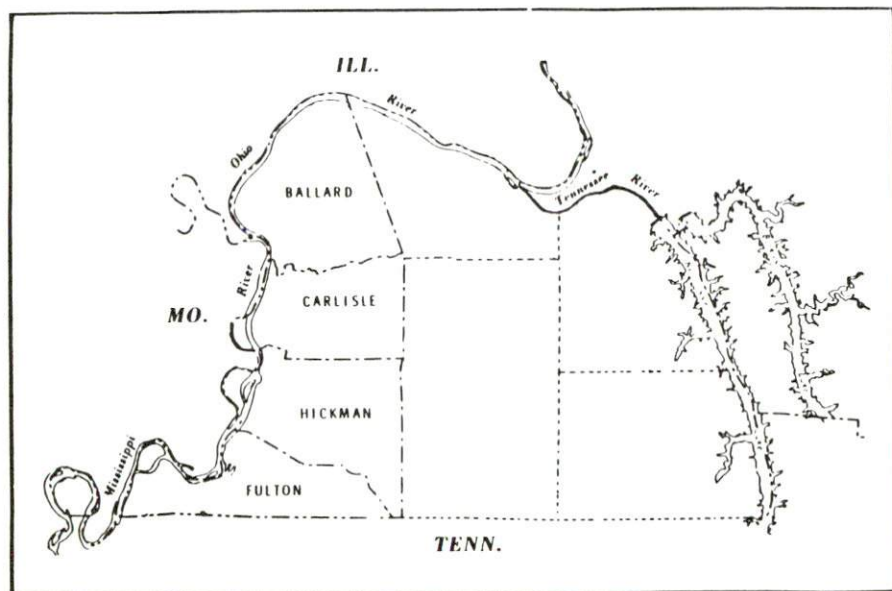
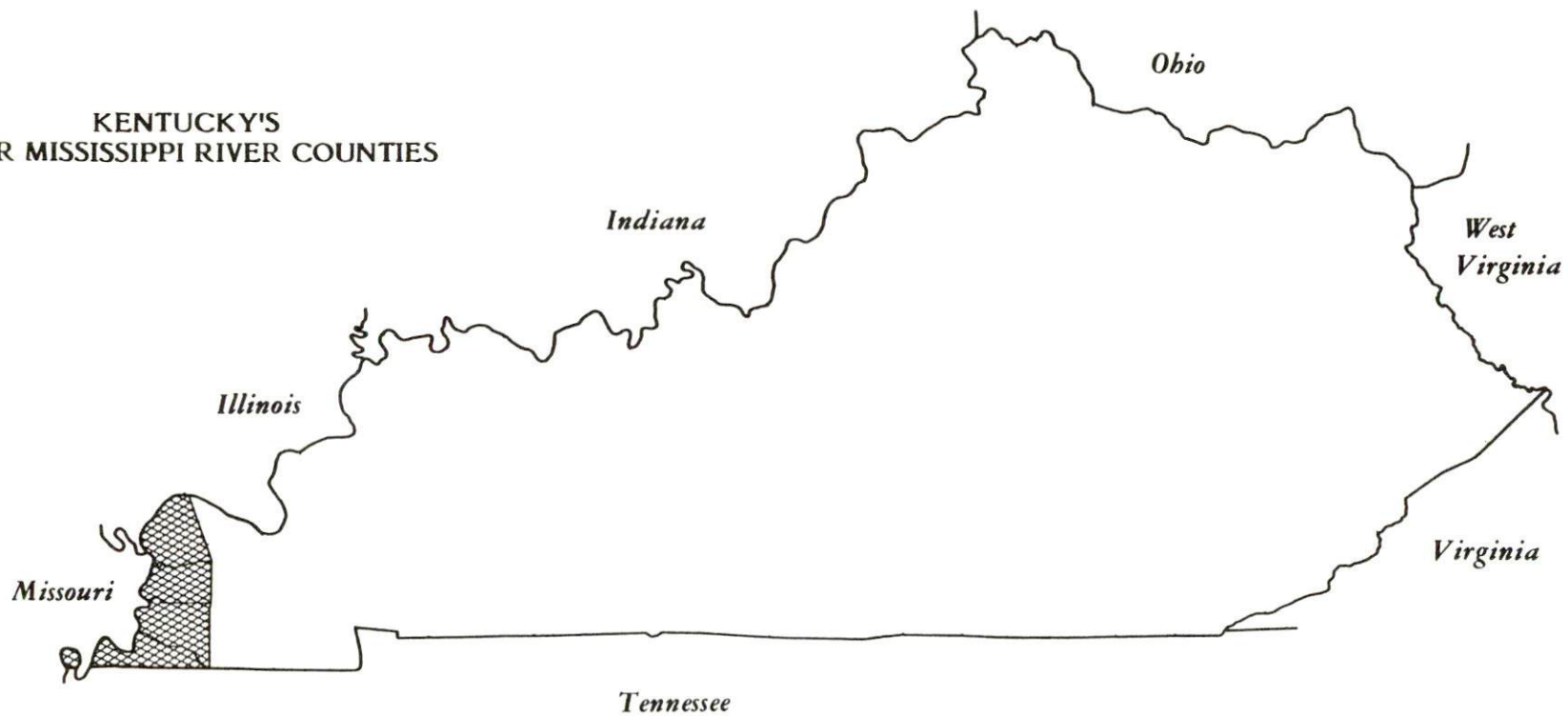
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KENTUCKY'S FOUR MISSISSIPPI RIVER COUNTIES



KENTUCKY'S FOUR MISSISSIPPI RIVER COUNTIES A RESOURCE PROFILE

Kentucky's Four Mississippi River Counties, Ballard, Carlisle, Hickman and Fulton Counties, have a population of 29,321 and cover a total land area of 901 square miles. The four counties are located adjacent to the east bank of the Mississippi River in extreme southwestern Kentucky.

The four-county area is within 165 miles of Nashville, Tennessee; 186 miles of St. Louis, Missouri; and 240 miles of Louisville, Kentucky.

The Economic Framework

Total employment of residents in Kentucky's Four Mississippi River Counties in 1981 averaged 12,570, with 11,140 persons employed in nonagricultural jobs. Manufacturing employers in the four river counties provided 1,745 jobs, wholesale and retail trade provided 1,610 jobs, and 1,070 persons were employed by state and local government. Manufacturing employment is greatest in the electrical machinery, apparel and related products, and paper and allied products industries.

Per capita personal income in the four-county area in 1980 ranged from \$5,860 to \$7,070.

The labor market area of Kentucky's Four Mississippi River Counties encompasses a fourteen-county area that extends into Tennessee, Missouri, and Illinois. Total employment of residents in the Kentucky portion of the labor market area in 1981 averaged 74,675, with 71,330 persons employed in nonagricultural jobs. Manufacturing employment within the area provided 13,710 jobs, wholesale and retail trade 14,190 jobs, state and local government 8,770 jobs, and service occupations 8,425 jobs.

Resources for Growth

1. Labor Supply

Current labor supply - There is a current estimated labor supply of 13,260 men and 10,130 women in the Kentucky portion of the labor market area available for industrial jobs.

Future labor supply - From 1983 thru 1987, 6,780 young men and 6,520 young women in this eight-county area will become 18 years of age and potentially available for work.

Additional labor supply - The current labor supply would also be increased by a portion of the available labor supply in Lake, Obion, and Weakley Counties in Tennessee; Mississippi County in Missouri; and Alexander and Pulaski Counties in Illinois.

2. Transportation

Rail - Railroad service is provided to all four counties by the Illinois Central Gulf Railroad.

Highways - Major highways serving the Four Mississippi River Counties include the Purchase Parkway, a multilane toll road, and U.S. Highways 60, 62 and 51. In addition, Interstate 24 is easily accessible near Paducah, Kentucky, via the Purchase Parkway, U.S. 60 or U.S. 62. Fourteen common carriers have authority to serve within the four-county area.

Air - The Fulton Municipal Airport is located within the four-river-county area. The Mayfield-Graves County Airport, Barkley Field (in Paducah, Kentucky), Everett-Stewart Airport (in Union City, Tennessee), and Cape Girardeau Municipal Airport are within 35 miles of the four river counties.

Water - Water transportation is an important asset to the Four Mississippi River Counties. Two major riverports serve the area, the Hickman-Fulton County Riverport Authority, located within the area, and the Paducah-McCracken County Riverport at Paducah.

3. Power and Fuel

Electric power - Electric power is provided to the Four Mississippi River Counties through seven distributors. The generating sources of power are Kentucky Utilities Company, Tennessee Valley Authority and Big Rivers Electric Corporation.

Natural gas - Natural gas service is provided in the area by nine municipal gas companies. The sources of supply are Trunkline Gas Company and Texas Gas Transmission Corporation.

Propane and fuel oil - Four distributors of propane and six distributors of distillate fuel oil are located within the four river counties. Other distributors of propane and fuel oil are located in adjoining counties.

4. Education

Five public school systems serve over 5,500 students in the four river counties.

Six colleges and universities are located within 60 miles of the four river counties.

Two vocational education centers are located within the four river counties. The Ballard County Vocational Education Center, located in Barlow, offers training in seven courses. The Fulton County Vocational Education Center, located in the city of Hickman, offers five courses. In addition, the Mayfield Area Vocational Education Center, in nearby Mayfield, offers ten courses. The Purchase Training Center, also at Mayfield, offers training in diesel and hydraulics mechanics. The West Kentucky State Vocational Technical School, in nearby Paducah, offers twenty-eight courses.

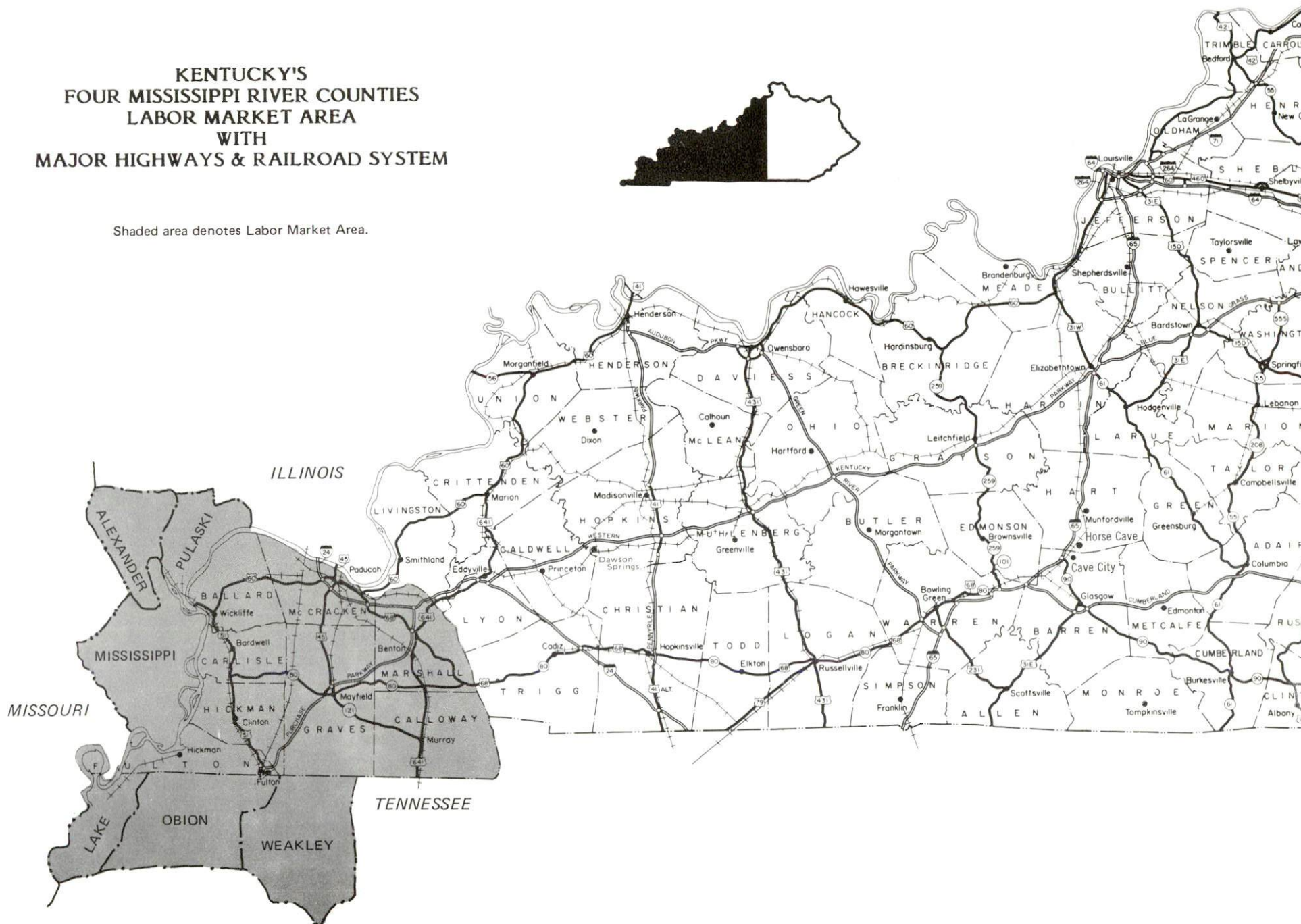
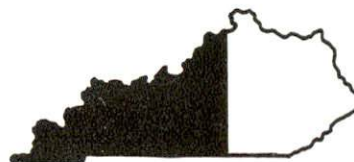
5. Recreation

Bordering the Mississippi River provides residents of the Four Mississippi River Counties excellent opportunity for water sports and fishing. The Ballard County Wildlife Management Area offers an 8,400-acre paradise for hunters, and there are controlled hunting seasons on dove, squirrel and water fowl. Sections of several highways in the four-river-county area have been designated as part of the Great River Road, a scenic route which runs along the Mississippi River from Canada through ten states to the Gulf of Mexico.

The Four Mississippi River Counties are located within 60 miles of (1) three of Kentucky's state parks which offer full resort facilities, (2) Kentucky Lake and Lake Barkley which offer top fishing, water sports, and recreational areas, and (3) The Land Between the Lakes, a 170,000-acre recreational and conservational wooded peninsula.

KENTUCKY'S FOUR MISSISSIPPI RIVER COUNTIES LABOR MARKET AREA WITH MAJOR HIGHWAYS & RAILROAD SYSTEM

Shaded area denotes Labor Market Area.



LABOR MARKET

The greater labor market area of Kentucky's Four Mississippi River Counties includes eight Kentucky counties, three Tennessee counties, one Missouri county, and two Illinois counties. Kentucky counties comprising the Kentucky portion of the labor market area are Ballard, Carlisle, Hickman, Fulton, Calloway, Graves, McCracken, and Marshall.

All counties within the greater labor market area are within easy commuting distance of Kentucky's Four Mississippi River Counties.

POPULATION			
Area	1980	1970	Percent Nonwhite 1980
Kentucky Portion - Labor Market Area	180,348	167,370	N/A
Four Mississippi River Counties			
Total	29,321	30,077	N/A
Ballard County	8,789	8,276	3.8
Carlisle County	5,487	5,354	1.0
Hickman County	6,065	6,264	10.5
Fulton County	8,971	10,183	16.9

Sources: U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, Number of Inhabitants. University of Louisville, Urban Studies Center, Population Research Unit, Kentucky Demographics: The 1980 Census of Kentucky, Characteristics of Population, Households, Housing.

POPULATION OF INCORPORATED CITIES

<u>Area</u>	<u>1980</u>	<u>1970</u>	<u>Percent Nonwhite</u> <u>1980</u>
Ballard County			
Barlow	746	746	0.7
Kevil	382	274	1.0
La Center	1,044	1,044	8.8
Wickliffe	1,034	1,211	3.8
Carlisle County			
Arlington	511	549	1.8
Bardwell	988	1,049	3.3
Hickman County			
Clinton	1,720	1,618	22.2
Columbus	296	371	29.4
Fulton County			
Fulton	3,137	3,250	15.3
Hickman	2,894	3,048	25.2

Sources: U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population and Housing, Advance Reports, March 1981. University of Louisville, Urban Studies Center, Population Research Unit, News From the State Data Center of Kentucky, Volume 2, Number 2.

POPULATION - BY AGE AND SEX, 1980

Age Group	Kentucky Portion - Labor Market Area*		Four Mississippi River Counties Total		Ballard County		Carlisle County		Hickman County		Fulton County	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	6,077	5,786	982	977	298	306	180	167	203	189	301	315
5-15	14,525	13,769	2,619	2,407	768	720	524	429	510	476	817	782
16-21	9,848	10,197	1,403	1,377	420	397	270	237	287	298	426	445
22-44	27,100	27,722	4,066	4,167	1,306	1,297	741	757	872	864	1,147	1,249
45-64	17,378	19,750	2,753	3,227	817	950	560	642	575	658	801	977
65 & Over	11,375	16,821	2,124	3,219	641	878	417	563	459	674	607	1,104

* The Kentucky portion of the labor market area includes the Kentucky Counties of Ballard, Carlisle, Hickman, Fulton, Calloway, Graves, McCracken and Marshall.
Source: University of Louisville, Urban Studies Center, Population Research Unit, Kentucky Demographics: The 1980 Census of Kentucky, Characteristics of Population, Households, Housing, Number 7, January 1982.

LABOR FORCE CHARACTERISTICS OF RESIDENTS: 1981

	Kentucky Portion - Labor Market Area*	Four Mississippi River Counties Total	Ballard County	Carlisle County	Hickman County	Fulton County
Civilian Labor Force	82,994	13,909	5,053	2,399	2,591	3,866
Employment	74,675	12,567	4,746	2,146	2,314	3,361
Agricultural	3,349	1,431	391	220	361	459
Nonagricultural	71,326	11,136	4,355	1,926	1,953	2,902
Unemployment	8,319	1,342	307	253	277	505
Rate of Unemployment (%)	10.0	9.6	6.1	10.5	10.7	13.1

* The Kentucky portion of the labor market area includes the Kentucky Counties of Ballard, Calisle, Hickman, Fulton, Calloway, Graves, McCracken and Marshall.

∞ Source: Kentucky Cabinet for Human Resources, Kentucky Labor Force Estimates, Annual Averages, 1981.

AVERAGE NONAGRICULTURAL EMPLOYMENT
BY INDUSTRY, BY PLACE OF WORK, 1981

Area	Kentucky Portion - Labor Market Area*	Four Mississippi River Counties Total	Ballard County	Carlisle County	Hickman County	Fulton County
All Industries	53,462	6,198	2,202	615	1,084	2,297
Mining & Quarrying	92	0	0	0	0	**
Contract Construction	3,007	523	417	12	19	75
Manufacturing	13,714	1,745	764	159	372	450
Food & Kindred Products	907	145	0	7	70	68
Tobacco	1	0	0	0	0	0
Cloth., Textiles & Leather	1,858	323	0	0	251	72
Lumber & Furniture	232	86	51	2	6	27
Printing, Publishing & Paper	1,020	656	630	4	0	22
Chemicals, Petroleum, Coal & Rubber	5,781	54	0	0	10	44
Stone, Clay & Glass	344	75	71	1	0	3
Primary Metals	849	0	0	0	0	0
Machinery, Metal Products & Equipment	1,867	397	2	145	36	214
Other Manufacturing	858	11	11	0	0	0
Transportation, Communications & Public Utilities	2,865	262	46	**	119	97
Wholesale & Retail Trade	14,187	1,610	443	170	157	840
Finance, Insurance & Real Estate	2,077	278	58	57	40	123
Services	8,425	670	187	28	162	293
State/Local Government	8,773	1,073	278	185	211	399
Other	187	22	10	**	**	12

* The Kentucky portion of the labor market area includes the Kentucky Counties of Ballard, Carlisle, Hickman, Fulton, Calloway, Graves, McCracken and Marshall.

** Not disclosed.

Note: Breakout of industry employment totals may differ from All Industries totals due to undisclosed data.

Source: Kentucky Cabinet for Human Resources, Average Monthly Workers Covered by Kentucky Unemployment Insurance Law, 1981.

ESTIMATED MALE LABOR SUPPLY

Area	Current				Future Reaching 18 years of age, 1983 thru 1987
	Total	Not in Labor Force	Unemployed	Under- employed	
Kentucky Portion - Labor Market Area*	13,262	4,449	5,244	3,569	6,779
Four Mississippi River Counties					
Total	1,929	418	839	672	1,265
Ballard	504	0	211	293	363
Carlisle	494	181	174	139	251
Hickman	450	195	161	94	250
Fulton	481	42	293	146	401

* The Kentucky portion of the labor market area includes the Kentucky Counties of Ballard, Carlisle, Hickman, Fulton, Calloway, Graves, McCracken and Marshall. In addition, the labor force would be supplemented by commuters from Lake, Obion and Weakley Counties in Tennessee; Mississippi County in Missouri; and Alexander and Pulaski Counties in Illinois.

Note: Not in Labor Force - represents the number of persons who would enter the labor force if suitable employment were available (based on the assumption that persons in Kentucky would like to participate in the labor force in the same proportion that they do nationally); Unemployed - persons unemployed and actively seeking work; Underemployed - persons employed but working only 14 to 26 weeks per year.

Sources: Kentucky Cabinet for Human Resources, Kentucky Labor Supply Estimates by Area Development District and County, 1981. Kentucky Department of Economic Development, Future Labor Supply Reaching 18 Years of Age, 1983 thru 1987.

ESTIMATED FEMALE LABOR SUPPLY

Area	Current			Future	
	Total	Not in Labor Force	Unemployed	Under-employed	Reaching 18 years of age, 1983 thru 1987
Kentucky					
Portion -					
Labor Market					
Area*	10,129	2,880	3,075	4,174	6,523
Four					
Mississippi					
River					
Counties					
Total	1,514	400	503	611	1,164
Ballard	271	0	96	175	342
Carlisle	181	0	79	102	197
Hickman	377	148	116	113	222
Fulton	685	252	212	221	403

* The Kentucky portion of the labor market area includes the Kentucky Counties of Ballard, Carlisle, Hickman, Fulton, Calloway, Graves, McCracken and Marshall. In addition, the labor force would be supplemented by commuters from Lake, Obion and Weakley Counties in Tennessee; Mississippi County in Missouri; and Alexander and Pulaski Counties in Illinois.

Note: Not in Labor Force - represents the number of persons who would enter the labor force if suitable employment were available (based on the assumption that persons in Kentucky would like to participate in the labor force in the same proportion that they do nationally); Unemployed - persons unemployed and actively seeking work; Underemployed - persons employed but working only 14 to 26 weeks per year.

Sources: Kentucky Cabinet for Human Resources, Kentucky Labor Supply Estimates by Area Development District and County, 1981. Kentucky Department of Economic Development, Future Labor Supply Reaching 18 Years of Age, 1983 thru 1987.

AVERAGE WEEKLY WAGES BY INDUSTRY,
BY PLACE OF WORK, 1981
KENTUCKY PORTION - LABOR MARKET AREA

	<u>Ballard County</u>	<u>Carlisle County</u>	<u>Hickman*</u> <u>County</u>	<u>Fulton*</u> <u>County</u>
All Industries	\$315.18	\$165.73	\$205.40	\$220.86
Mining & Quarrying	0	0	0	**
Contract Construction	283.89	161.37	253.83	257.05
Manufacturing	**	160.52	192.08	308.83
Transportation, Communications & Public Utilities	346.05	**	295.38	338.64
Wholesale & Retail Trade	166.38	139.13	206.07	183.03
Finance, Insurance & Real Estate	193.08	199.17	195.36	202.65
Services	151.10	143.14	152.13	160.91
State/Local Government	220.08	189.45	217.25	218.25
Other	93.76	**	**	117.30
	<u>Calloway*</u> <u>County</u>	<u>Graves*</u> <u>County</u>	<u>McCracken*</u> <u>County</u>	<u>Marshall*</u> <u>County</u>
All Industries	\$216.34	\$266.46	\$265.36	\$350.19
Mining & Quarrying	**	264.41	0	**
Contract Construction	257.76	205.80	379.46	387.20
Manufacturing	236.66	387.44	338.38	509.58
Transportation, Communications & Public Utilities	334.96	358.30	356.96	345.42
Wholesale & Retail Trade	166.17	165.94	193.36	157.67
Finance, Insurance & Real Estate	212.68	251.06	239.99	245.29
Services	190.94	170.67	246.38	177.62
State/Local Government	241.80	249.29	258.26	203.82
Other	229.70	188.17	100.95	124.00

* Up to date occupational wage rates of the existing industries in Hickman, Fulton, Calloway, Graves, McCracken, and Marshall Counties are maintained by South Kentucky Industrial Development Association, Post Office Box 726, Hopkinsville, Kentucky 42240.

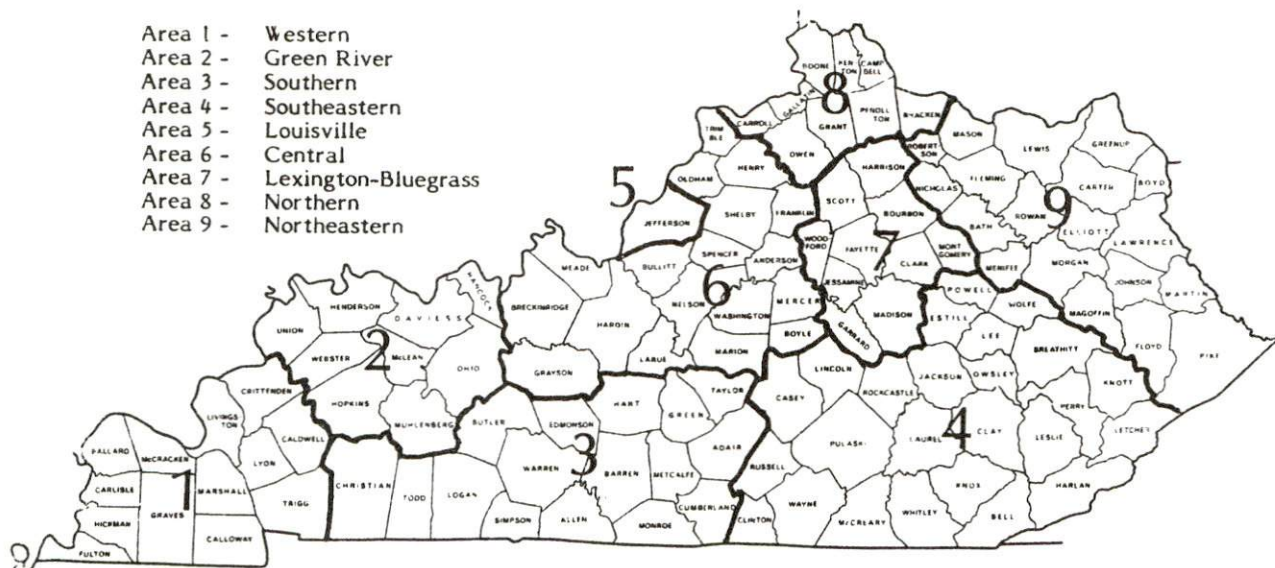
** Not disclosed.

Note: Excludes domestic workers, railway workers, certain nonprofit corporations, majority of federal government workers, and self-employed workers.

Source: Kentucky Cabinet for Human Resources, Average Weekly Wages of Workers Covered by Kentucky Unemployment Insurance Law, 1981.

Occupational wage rates for specific industries are usually not available to most government agencies, and wage data furnished to state employment agencies by individual industrial employers are protected from disclosure by federal law. The most reliable up-to-date wage information can be obtained by direct contact with local employers.

Associated Industries of Kentucky, a voluntary organization of Kentucky businesses, regularly collects occupational wage rates and fringe benefits data from participating member firms. Data are compiled for over 127 clearly defined office, production, and service occupations. Tabulations are published for nine geographical areas of Kentucky, as shown on the map below. It should be noted that the data may be weighted by the preponderance of firms in the larger cities and may be somewhat higher than the rates paid in the smaller communities. Data from these tabulations are available, upon request, from the Kentucky Department of Economic Development, Frankfort, Kentucky 40601.



Associated Industries of Kentucky Area Wage Surveys

PER CAPITA PERSONAL INCOME

<u>Area</u>	<u>1976</u>	<u>1980</u>	<u>Percent Change</u>
Ballard County	\$ 4,896	\$ 6,966	42.3
Carlisle County	4,618	6,604	43.0
Hickman County	4,833	5,860	21.3
Fulton County	5,114	7,070	38.3
Four Mississippi River Counties Area Range	\$4,618 - 5,114	\$5,860 - 7,070	N/A
Kentucky	5,263	7,662	45.6
U.S.	6,367	9,511	49.4

Source: U.S. Bureau of Economic Analysis, Kentucky Economic Information System, June 1982.

EXISTING MANUFACTURING INDUSTRY

Thirty-three manufacturing plants are located in Kentucky's Four Mississippi River Counties. Six of the plants employ more than 100 workers. Ten plants are located in Fulton County, five in Hickman County, six in Carlisle County, and thirteen in Ballard County with a variety of products manufactured, including business and printing papers, bleached chemical wood pulp, lamps and lamp bases, sports shirts and jackets, graphite electrodes, telephone reconditioning service, and food products.

In addition to the area manufacturing firms, a major employer within the area is Ferry-Morse Seed Company located in the city of Fulton. This company, which packages seeds, has a total employment of approximately 280.

FOUR MISSISSIPPI RIVER COUNTIES MANUFACTURING FIRMS, THEIR PRODUCTS AND EMPLOYMENT

<u>Firm</u> (Establishment date)	<u>Product</u>	<u>Employment</u>			<u>Labor Unions</u>
		<u>Total</u>	<u>Male</u>	<u>Female</u>	
Ballard County					
Barlow					
B & W Signs & Screen Printing (1981)	Signs, decal screen printing, textile screening	3	2	1	Graphic Arts*
Harris Engineering, Inc. (1975)	Bipods	8	4	4	
Kevil					
Credence Speakers, Inc. (1977)	Loud speakers, crossover components	11	3	8	
David Gibbs Lumber (1953)	Rough lumber cross- ties, chips	2	2	0	
Kevil Tool and Die (1969)	Machine shop	2	2	0	
PMC, Inc. (1979)	PVC stabilizer	2	2	0	
Tele Service Company (1960)	Telephone reconditioning service	130	30	100	Teamsters*

(Contd.)

<u>Firm (Establishment date)</u>	<u>Product</u>	<u>Employment</u>			<u>Labor Unions</u>
		<u>Total</u>	<u>Male</u>	<u>Female</u>	
Wickliffe					
Advance-Yoeman (1892)	Newspaper, job printing	12	3	9	Carpenters, Plumbers, Teamsters*
Bradford Corporation (1969)	Prefabricated metal pipe	35	--	--	
Deena Products Company (1948)	Ceramic lamp bases	57	32	25	
Waldschmidt Lumber Company (1951)	Lumber	30	29	1	Industrial Workers*
Westvaco Corporation (1970)	Business and printing papers, bleached chemical wood pulp	546	511	35	Paperworkers*
Wickliffe Skid Company (1970)	Wood skids and pallets	8	7	1	
Carlisle County					
Arlington					
Deena Products Company (1949)	Lamps	121	51	70	Potters, Seafarers*
Grogan Meat Company (1973)	Sausage	9	5	4	
Bardwell					
Carlisle County News (1972)	Newspaper, job printing	4	0	4	
Ford Construction Company (1947)	Ready mixed concrete, water tanks	3	3	0	
Cunningham					
National Ceramics, Inc. (1980)	Ceramic lamp bases, ceramic vases	47	20	27	
Partin Sausage Company (1924)	Sausage	6	6	0	

(Contd.)

<u>Firm (Establishment date)</u>	<u>Product</u>	<u>Employment</u>			<u>Labor Unions</u>
		<u>Total</u>	<u>Male</u>	<u>Female</u>	
Hickman County					
Clinton					
Dale Machine and Manufacturing Company, Inc. (1981)	Textile machinery, agricultural machinery, machine shop	10	8	2	
Garan, Inc., Clinton Division (1961)	Children's knit sports shirts, women's knit sports shirts	265	20	245	
Harper's Country Hams (N/A)	Hams	96	36	60	
J. T. Mathis and Son Lumber Company (1955)	Rough lumber, cross-ties, chips	4	4	0	
Fulton County					
Fulton					
Ashby Veneer and Lumber Company (1956)	Lumber, wood chips, switch ties	37	37	0	
Brundige Sausage Company (1951)	Sausage	5	5	0	
Fulton Garment Company (1982)	Men's military shirts and sportswear	100	10	90	
Fulton Publishing Company, Inc. (1898)	Newspaper, commercial printing	18	6	12	
Turner Dairies, Inc. of Fulton (1965)	Plastic jugs, milk, ice cream, fluid milk products	64	58	6	
Hickman					
Hickman Courier, Inc. (1859)	Newspaper, offset printing	5	1	4	

Hickman (Contd.)

Hickman Garment Company (1955)	Men's and boys' outerwear, ladies' outerwear, lined and unlined jackets	75	4	71	
Kentucky Nut Corporation (1982)	Pecan meats, shelled	6	--	--	
Lattus Ready Mix (1963)	Ready mixed concrete, concrete products	5	4	1	
Sigri Carbon Corporation (1967)	Graphite electrodes	216	210	6	Oil, Chemical & Atomic Workers*

*See Labor Organizations in Manufacturing Firms.

Source: Kentucky Department of Economic Development, Division of Research and Planning.

Recent Manufacturing Developments:

Uarco, Inc., is currently constructing a manufacturing plant in the city of Fulton. Uarco, Inc., manufactures business forms and proposes to employ approximately 150 workers. Operations at the new facility are scheduled to begin in fall of 1983.

Sigri Carbon Corporation, located in the city of Hickman, recently completed Phase 1 of a three-part major expansion. The three-part plan, which includes both upgrading and additions to existing facilities, will represent approximately \$200 million in added investment by 1990.

Westvaco Corporation, located in the city of Wickliffe, is currently expanding its papermaking capacity by approximately 25 percent. The \$38 million project is scheduled for completion in spring 1984.

LABOR ORGANIZATIONS IN MANUFACTURING FIRMS

<u>Union</u>	<u>Company (City)</u>
International Brotherhood of Pottery and Allied Workers, AFL-CIO	Deena Products Company (Arlington)
International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America	Tele Service Company (Kevil) Bradford Corporation (Wickliffe)
Graphic Arts International Union, AFL-CIO	B & W Signs & Screen Printing (Barlow)
Oil, Chemical and Atomic Workers International Union, AFL-CIO	Sigri Carbon Company (Hickman)

The Seafarers International Union of North America, AFL-CIO	Deena Products Company (Arlington)
United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada, AFL-CIO	Bradford Corporation (Wickliffe)
United Brotherhood of Carpenters and Joiners of America, AFL-CIO	Bradford Corporation (Wickliffe)
United Paperworkers International Union, AFL-CIO	Westvaco Corporation (Wickliffe)
United Industrial Workers of North America	Deena Products Company (Wickliffe)

The plant workers at Ferry-Morse Seed Company in Fulton, Kentucky, are represented by the American Federation of Grain Millers.

Employers in the four-county area have an excellent record of labor relations. The Kentucky Department of Labor reports only one strike, lasting five days, in the four counties between 1977 and 1982.

INDUSTRIAL SERVICES

<u>Types of Services</u>	<u>Location</u>	<u>Miles Distant*</u>
Tool & Die, Machine & Pattern Shops	Clinton, Kentucky	---
	South Fulton, Tennessee	15
	Mayfield, Kentucky	22
	Paducah, Kentucky	45
Metal Service Centers	Greenville, Kentucky	124
Heat Treating	Paducah, Kentucky	45
Metal Finishers	Paducah, Kentucky	45
Electric Motor Repair	Mayfield, Kentucky	22
	Paducah, Kentucky	45
	Union City, Tennessee	27
Instrument Repair and Calibration	Clinton, Kentucky	---

* Mileage is calculated from the city of Clinton which is centrally located within the Four Mississippi River Counties.

Source: Kentucky Department of Economic Development, Kentucky Directory of Selected Industrial Services, 1983. Kentucky Department of Economic Development, Division of Research and Planning.

TRANSPORTATION

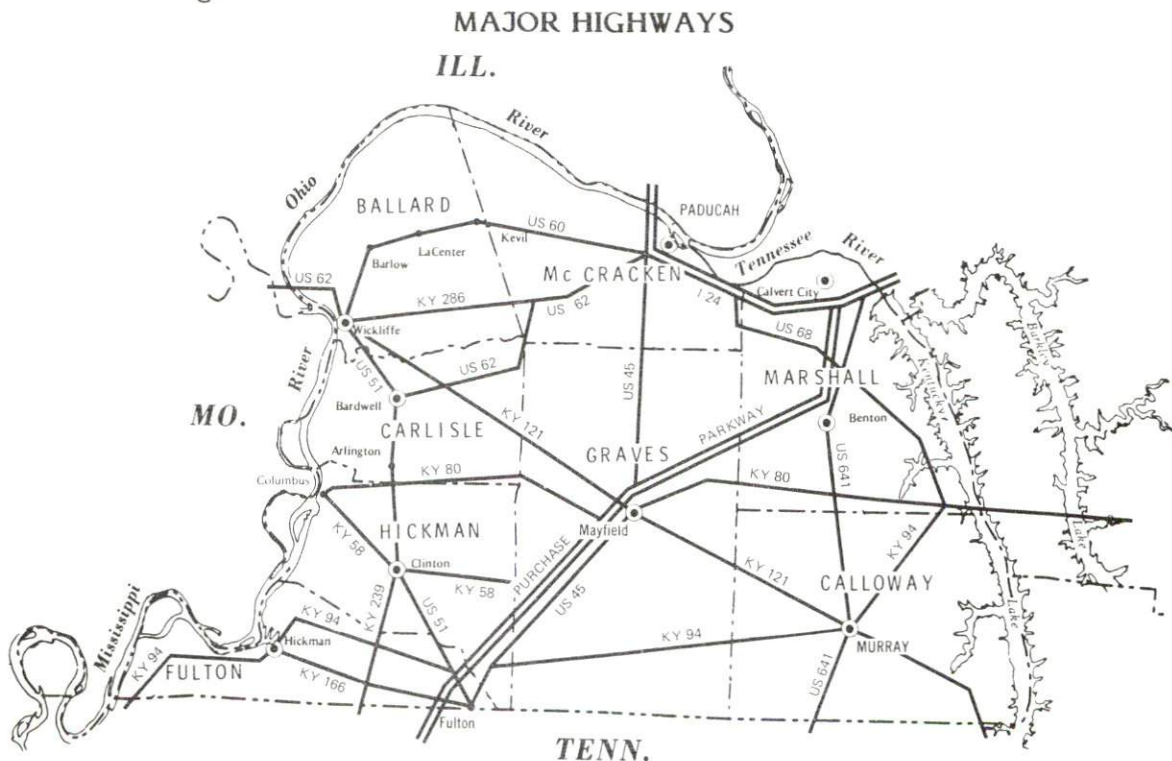
Highways

Major highways which serve the four river counties include U.S. Highways 60, 62, and 51, all "AAA" rated (80,000 lb. gross load limit) trucking highways. Other "AAA" rated routes in the four river counties are Kentucky Highways 1420, 996, 286, 121, 58, 125, and 166. In addition, several "AA" rated (62,000 lb. gross load limit) trucking highways serve the area. These include Kentucky Highways 80, 307, 123, 239, and 94.

The Purchase Parkway, a multilane toll road, directly serves Fulton County and is easily accessible from several points in the other river counties. The parkway is the major route through the Jackson Purchase Region. Interstate 24, a major east-west highway, is easily accessible near Paducah, Kentucky, via the Purchase Parkway, U.S. 60 or U.S. 62. Interstate 57, a major north-south highway, is accessible in southern Illinois just across the Ohio River from Ballard County. In addition, Interstate 55 is accessible approximately 25 miles west of Ballard County via I-57.

Sections of several highways in the four river counties have been designated as part of the Great River Road, a scenic route which runs along the Mississippi River from Canada through ten states to the Gulf of Mexico.

Planned highway improvements in the Four Mississippi River Counties include several bridge replacement projects. Plans for 1983 to 1988 include ten projects, which will total approximately \$11 million. Also, construction on portions of the Great River Road is planned pending availability of Great River Road funding.



Truck Service

The following common carriers have authority to serve all incorporated cities in the four river counties.

<u>Company</u>	<u>Home Office</u>
Henry Edwards Trucking Company*(T)	P. O. Box 97 Clinton, Kentucky 42031
McLean Trucking Company*	P. O. Box 213 Winston-Salem, North Carolina 27154
Overnite Transportation Company*	P. O. Box 1216 Richmond, Virginia 23209
Paschall Truck Lines, Inc.**	Route 4 Murray, Kentucky 42071
Smith's Transfer Corporation**	P. O. Box 1000 Staunton, Virginia 24401
Fred Stokes Transport, Inc. (petroleum carrier)**(T)	P. O. Box 227 Hickman, Kentucky 42050

The following common carriers have authority to serve points within the four-river-county area.

<u>Company</u>	<u>Home Office</u>
A & H Truck Line, Inc.**	Evansville, Indiana 47711
Commercial Motor Freight, Inc., of Indiana*	2141 South High School Road Indianapolis, Indiana 46241
Elfrink Truck Lines, Inc.**	P. O. Box 92 Advance, Missouri 63730
Lee Way Motor Freight, Inc.**	P. O. Box 12750 Oklahoma City, Oklahoma 73157
Milan Express, Inc.**	Milan, Tennessee 38358
Roadway Express, Inc.**	1077 Gorge Boulevard Akron, Ohio 44309
Robbins Truck Line, Inc.**	Route 1 Hardinsburg, Kentucky 40143
Thurston Motor Lines, Inc.*	600 Johnston Road Charlotte, North Carolina 28206

(T) Local terminal.

* Interstate service.

** Interstate and intrastate service.

Other Freight ServicesNearest Shipping Center (Within 10 miles)

Purolator Courier Corporation*
 United Parcel Service**

Paducah, Kentucky
 Paducah, Kentucky

HIGHWAY MILES AND TRUCK TRANSIT TIME IN DAYS FROM
 CLINTON, KENTUCKY, TO SELECTED MARKET CENTERS

City	Highway Miles	Delivery Time TL	City	Highway Miles	Delivery Time TL
Atlanta, Ga.	407	1	Los Angeles, Ca.	1,960	4
Baltimore, Md.	838	2	Louisville, Ky.	240	1
Birmingham, Ala.	359	1	Nashville, Tenn.	165	1
Chicago, Ill.	404	1	New Orleans, La.	540	1
Cincinnati, Ohio	341	1	New York, N. Y.	988	2
Cleveland, Ohio	585	2	Pittsburgh, Pa.	628	2
Detroit, Mich.	600	2	St. Louis, Mo.	186	1
Knoxville, Tenn.	343	1			

Note: Mileage computations are via the best interstate or primary highways, not necessarily the most direct route of travel.

Sources: Rand McNally Interstate Road Atlas, 1981. Official Kentucky Mileage Map, 1979. Delivery time - Paschall Truck Lines, U.S. 641 South, Murray, Kentucky 42071.

* For regular scheduled pickups or for occasional pickups, arrangements must be made with the Paducah, Kentucky, office of Purolator Courier Corporation.

** For regular scheduled pickups or for occasional pickups, arrangements must be made with the Louisville, Kentucky, office of United Parcel Service.

Rail

Railroad transportation services are provided in the Four Mississippi River Counties by the Illinois Central Gulf Railroad. The cities of Arlington, Bardwell, Clinton, Fulton, Hickman, Kevil and Wickliffe are provided with main or branch line service. The nearest piggyback facilities are available in nearby Paducah, Kentucky.

For details on routing, schedules, rates and services, contact:

Director of Industrial Development
Illinois Central Gulf Railroad
Central Region
Pet Plaza
400 South Fourth Street
St. Louis, Missouri 63102
(314) 622-6430

RAIL SERVICE and AIRPORTS



Air

Air transportation services are easily accessible from any point in the four-river-county area. The Fulton Municipal Airport is located within the four-river county-area. In addition, the Mayfield-Graves County Airport, Everett-Stewart Airport (Union City, Tennessee), Barkley Field (Paducah) and Cape Girardeau Municipal Airport are within 35 miles of the four river counties.

Airports

Fulton Municipal Airport	
Location:	2 miles northwest of Fulton
Runways:	1 paved
Length:	2,700 feet
Traffic	
Control:	Wind sock
Lighting:	Runway lights sunset to sunrise
Mayfield-Graves County Airport	
Location:	3.5 miles east-northeast of Mayfield
Runways:	1 paved
Length:	3,300 feet
Traffic	
Control:	Wind sock
Lighting:	VASI, REIL, and lighted wind sock
Services:	Fuel 100LL, air charter, flight instructions, crop spraying, major and minor repair, taxi and car rental, telephone
Air Freight	
Service:	Chartered air freight services must be arranged.
Everett-Stewart Airport	
Location:	5 miles southeast of Union City, Tennessee
Runways:	1 paved, 1 turf
Length:	5,000 feet and 1,500 feet
Traffic	
Control:	Unicom, wind sock
Lighting:	Beacon and runways
Services:	Charter, 100LL and jet-A fuel, major repairs, flight instruction, plane rental, car rental
Air Freight	
Service:	Chartered air freight service must be arranged.

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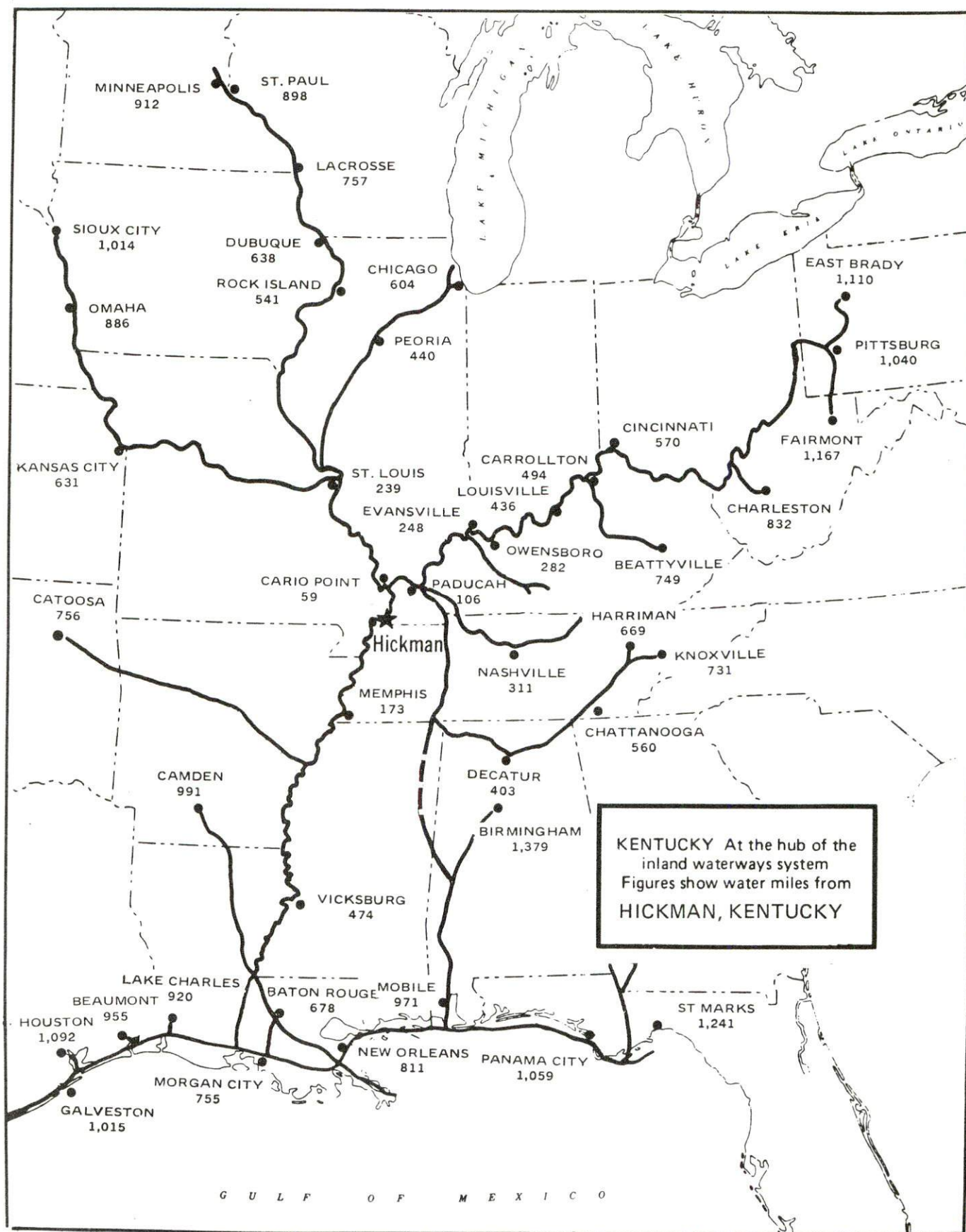
Barkley Field
 Location: 8 miles west of Paducah
 Runways: 2 paved
 Length: 6,500 feet and 4,000 feet
 Traffic
 Control: Tower
 Lighting: Beacon, boundary, obstruction, runway lights,
 and runway end identification lights; medium
 intensity approach lighting system, MALS, RAIL,
 VASI on R/W 22
 Services: Allegheny Commuter and Air Illinois Commuter
 Airlines; 100 octane and JA-1 fuel; major
 A & P repairs; storage; taxi; limousine;
 U-Drive-It; restaurant
 Air Freight
 Service: Air freight accepted on the commuter airlines
 plus Emery and Airborne air freight.

Cape Girardeau Municipal Airport
 Location: 5 miles southwest of Cape Girardeau, Missouri
 Runways: 2 paved
 Length: 6,500 feet and 4,000 feet
 Traffic
 Control: Tower
 Lighting: Beacon, runway
 Services: Air Illinois; 100LL, jet-A fuel; major A & P
 repairs, minor Avionics repairs; hangars,
 tie-downs; charter service; flight
 instruction; plane rental; taxi; car rentals;
 weather information; restaurant
 Air Freight
 Service: Air freight terminal

Water

Water transportation is an important asset to the four river counties. The area is bordered on the west by the Mississippi River and on the north by the Ohio River. Two major riverports provide service to the four-county area - the Hickman-Fulton County Riverport and the Paducah-McCracken County Riverport. Several barge companies operate in the area. Channel fueling service is also available in the area.

Private businesses located within the Hickman harbor area include River Grain Corporation which consists of a grain elevator, 558,000 bushels of storage and a grain terminal. Bunge Corporation operates a grain elevator and terminal and has an approximate 1,000,000-bushel storage capacity. Lattus Ready-Mix Company operates a sand and gravel company.



Riverports

Hickman-Fulton County Riverport Authority*

The Mississippi River bounds Hickman on the west, and port facilities are available for barges. Hickman Harbor has private unloading facilities, 24-hour service, 24-hour food and provision service, fresh water, and refueling service for the large freight boats and barges that serve the area. Hickman Harbor Service, Inc., C & D Transport, and Flowers Transportation, Inc., provide fleet service for the harbor. Hickman is a headquarters for the U.S. Coast Guard, serving an area of 190 miles up and down the river, and the home base for the Coast Guard Cutter Chippewa.

The Hickman-Fulton County Riverport Authority, a still, warm-water harbor on the Mississippi River, has completed a \$2.4 million general cargo facility. The heart of the port is the docking facility, consisting of two 16-foot diameter mooring cells, one 20-foot diameter mooring and conveyor cell, one mooring "dolphin" structure, and a 30-foot diameter crane cell which has a pedestal-mounted crane rated at 125-ton lifting capacity. This crane, which has a 120-foot-long boom, is able to lift 50 tons out of a barge and place a 20-ton load on a truck.

Linking the docking facility with the flood-protected material handling and processing segment of the port on the other side of the levee is an 86-foot-long bridge with paved roadway over the levee. At the land end of the bridge is an 18,400-square-foot heated warehouse, a 6,000-square-foot warehouse and a paved staging area with truck height loading dock which has a rail spur at one end for rail transshipment. There is also 10,000 square feet of outside storage space.

The second main element of the port is a 125-foot-long radial stacker which has the capability of stockpiling ten or more bargeloads of material. In the barge unloading operation it is fed by a hopper on the 20-foot diameter river cell which will be loaded by a clamshell attached to the crane. The stacker is connected to the docking facility by a 1,205-foot-long conveyor system which has a 30-inch-wide belt with the capacity to transport material at a rate of 350 tons per hour outbound and 400 tons per hour inbound.

* The city of Hickman, including the Hickman-Fulton County Riverport, has been designated as one of Kentucky's first enterprise zones. An enterprise zone is an area of a city or county in which special incentives are offered by state and local agencies to encourage new and expanded business. The life of the zone designation is 20 years.

The entire facility is constructed on approximately 25 acres of land adjoining the harbor. A two-tract industrial site is being developed with one tract located adjacent to the port and the other tract located ¼ mile from the port. The port was built primarily to handle and transport bulk commodities, mainly corn, grain and coal. As demand for other commodities has grown, the port has added the capability to adapt to handle virtually any cargo moved on the inland waterways system.

For further information contact:

Hickman-Fulton County Riverport Authority
P. O. Box 6
Hickman, Kentucky 42050
(502) 236-2222

Paducah-McCracken County Riverport Authority

The Paducah-McCracken County Riverport Authority is located at the confluence of the Ohio and Tennessee Rivers, just 48 miles east of where the Ohio River flows into the Mississippi River and at the head of the Tennessee-Tombigbee Waterway (under construction). In addition to its excellent water transportation location, the Paducah-McCracken County Riverport is located just six miles from I-24.

Currently, the riverport contains an 8-acre general cargo area; 20,000 square feet of warehouse space; about 40,000 square feet of open storage; and a bulk handling facility which includes a storage bin and loading and unloading equipment.

For further information, contact:

Paducah-McCracken County Riverport Authority
2000 Meyers Street
P. O. Box 2302
Paducah, Kentucky 42001
(502) 442-9326

Other Transportation Services

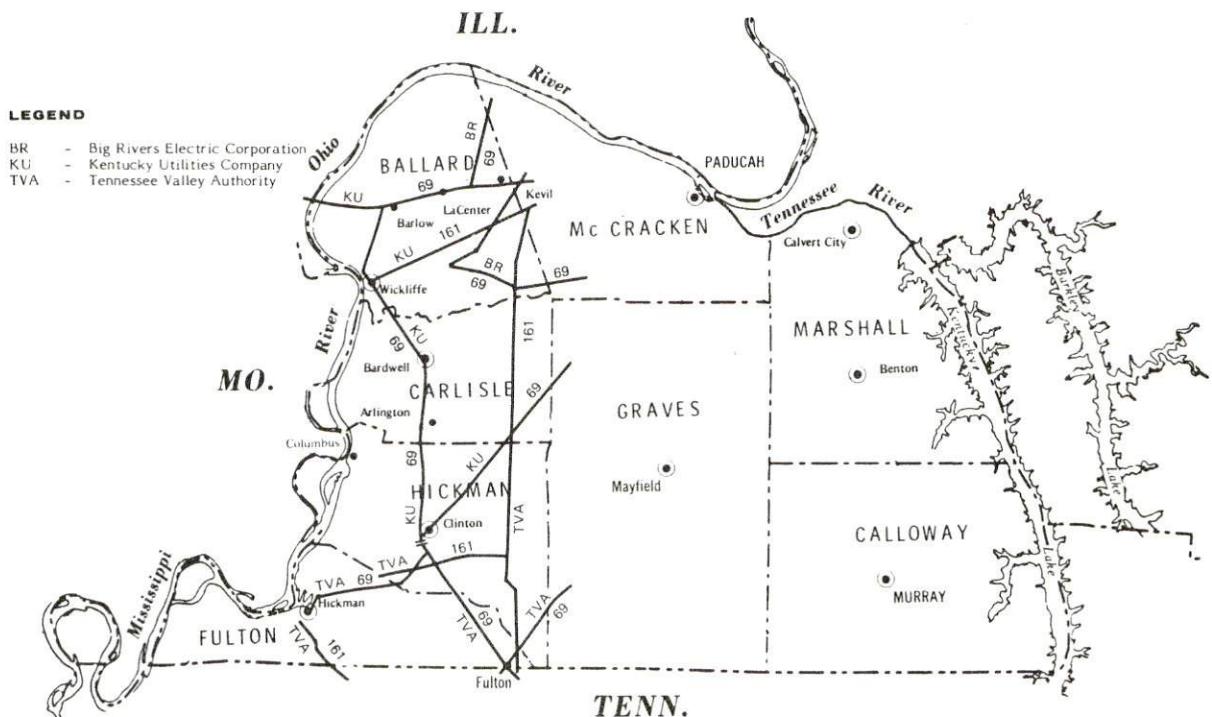
- Bus -** Greyhound Bus Lines and Trailways serve the area plus Brooks Bus Line in nearby Paducah and Mayfield.
- Taxi -** Four companies are located within the four river counties.
- Rental Services -** Complete rental services including cars, trucks and trailers are available in Paducah and Mayfield.

POWER AND FUEL

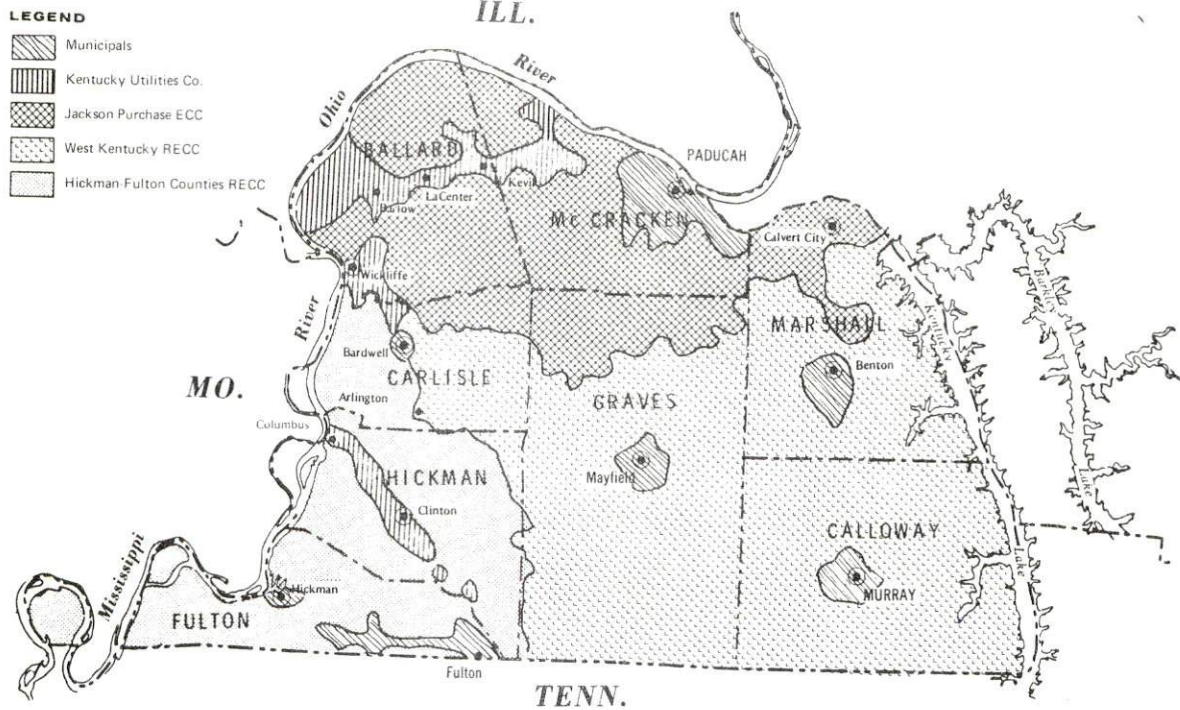
Electricity

	<u>Direct Distributor</u>	<u>Source of Supply</u>
Ballard County	Jackson Purchase ECC	Big Rivers Electric Corp.
	Kentucky Utilities Co.	Kentucky Utilities Co.
Barlow	Kentucky Utilities Co.	Kentucky Utilities Co.
Kevil	Kentucky Utilities Co.	Kentucky Utilities Co.
La Center	Kentucky Utilities Co.	Kentucky Utilities Co.
Wickliffe	Kentucky Utilities Co.	Kentucky Utilities Co.
Carlisle County	Jackson Purchase ECC	Big Rivers Electric Corp.
	West Kentucky RECC	Tennessee Valley Authority
	Hickman-Fulton Counties RECC	Tennessee Valley Authority
	Kentucky Utilities Co.	Kentucky Utilities Co.
Arlington	West Kentucky RECC	Tennessee Valley Authority
Bardwell	Municipal	Kentucky Utilities Co.
Hickman County	West Kentucky RECC	Tennessee Valley Authority
	Hickman-Fulton Counties RECC	Tennessee Valley Authority
Clinton	Kentucky Utilities Co.	Kentucky Utilities Co.
Columbus	Kentucky Utilities Co.	Kentucky Utilities Co.
Fulton County	Hickman-Fulton Counties RECC	Tennessee Valley Authority
Hickman	Municipal	Tennessee Valley Authority
Fulton	Municipal	Tennessee Valley Authority

ELECTRIC TRANSMISSION



ELECTRIC POWER DISTRIBUTION



Direct Distributors

Bardwell Municipal Utilities

Source of power - Kentucky Utilities Company

Total generating capacity - 2,639,100 KW

For industrial rates contact:

Industrial Development Department
Kentucky Utilities Company
One Quality Street
Lexington, Kentucky 40507
(606) 255-1461

and/or

Bardwell Municipal Utilities
P. O. Box 277
Bardwell, Kentucky 42023
(502) 628-3833

(Contd.)

Fulton Electric System

Source of power - Tennessee Valley Authority

Total generating capacity - 31,109,160 KW

For industrial rates contact:

South Kentucky Industrial
Development Association, Inc.
P. O. Box 726
Hopkinsville, Kentucky 42240
(502) 885-5392

and/or

Fulton Electric System
101 Nelson Tripp Place
P. O. Box 130
Fulton, Kentucky 42041
(502) 472-1362

Hickman Electric System

Source of power - Tennessee Valley Authority

Total generating capacity - 31,109,160 KW

For industrial rates contact:

South Kentucky Industrial
Development Association, Inc.
P. O. Box 726
Hopkinsville, Kentucky 42240
(502) 885-5392

and/or

Hickman Electric System
P. O. Box 228
Hickman, Kentucky 42050
(502) 236-3951

Kentucky Utilities Company

Source of power - Kentucky Utilities Company

Total generating capacity - 2,639,100 KW*

For industrial rates contact:

Industrial Development Department
Kentucky Utilities Company
One Quality Street
Lexington, Kentucky 40507
(606) 255-1461

(Contd.)

* A new generating unit is under construction in Carroll County. Due to be completed in 1984, the unit will have a generating capacity of 511,000 KW.

Jackson Purchase Electric Cooperative Corporation
Source of power - Big Rivers Electric Corporation
Total generating capacity - 1,184,000 KW*
For industrial rates contact:

Jackson Purchase ECC
P. O. Box 3188
Paducah, Kentucky 42001
(502) 442-7321

West Kentucky Rural Electric Cooperative Corporation
Source of power - Tennessee Valley Authority
Total generating capacity - 31,109,160 KW
For industrial rates contact:

South Kentucky Industrial
Development Association, Inc.
P. O. Box 726
Hopkinsville, Kentucky 42240
(502) 885-5392

and/or

West Kentucky RECC
P. O. Box 589
Mayfield, Kentucky 42066
(502) 247-1321

Hickman-Fulton Counties Rural Electric Cooperative Corporation
Source of power - Tennessee Valley Authority
Total generating capacity - 31,109,160 KW
For industrial rates contact:

South Kentucky Industrial
Development Association, Inc.
P. O. Box 726
Hopkinsville, Kentucky 42240
(502) 885-5392

and/or

Hickman-Fulton Counties RECC
P. O. Box 190
Hickman, Kentucky 42050
(502) 236-2521

* Construction of the new D. B. Wilson Generating Station at Matanzas, Kentucky, is under way. The first of two units being built by Big Rivers Electric Corporation is expected to be completed in 1984, the second unit in 1986. Each unit is expected to generate 390 megawatts.

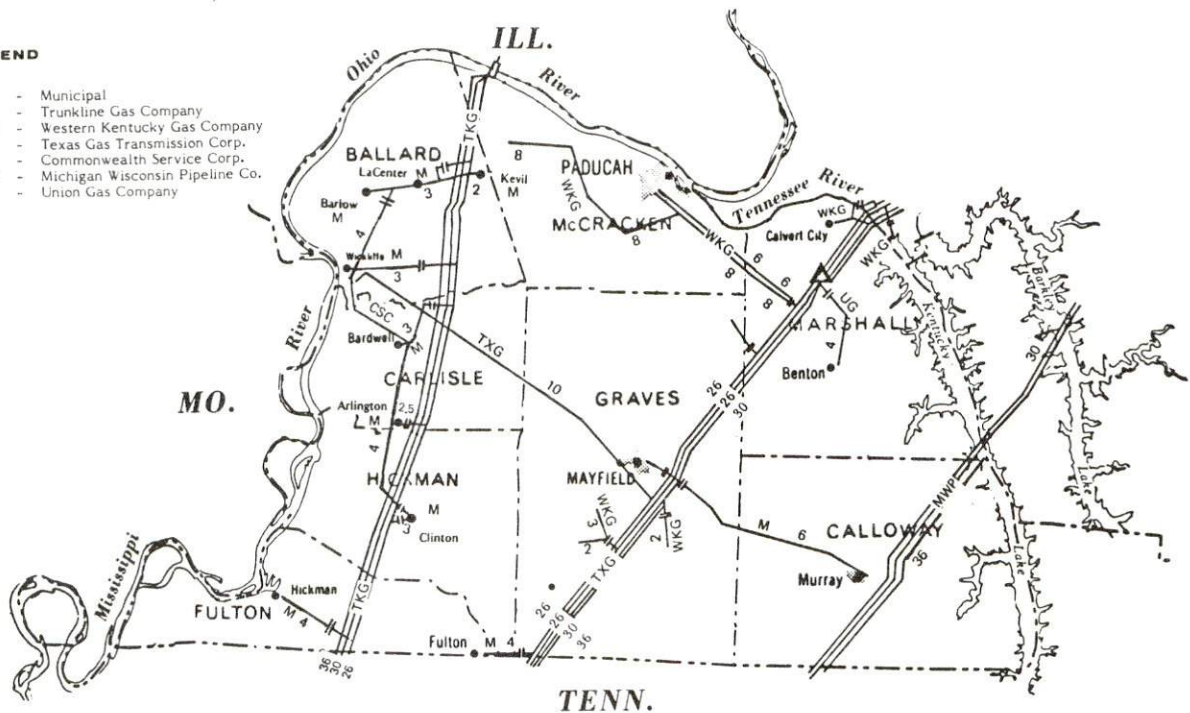
Natural Gas

	<u>Company Serving</u>	<u>Source of Supply</u>
Ballard County		
Barlow	Barlow Natural Gas System*	Trunkline Gas Co.
Kevil	Kevil Natural Gas System*	Trunkline Gas Co.
La Center	La Center Natural Gas System*	Trunkline Gas Co.
Wickliffe	Wickliffe Natural Gas System*	Trunkline Gas Co.
Carlisle County		
Arlington	Arlington Natural Gas System*	Trunkline Gas Co.
Bardwell	Bardwell Natural Gas System*	Trunkline Gas Co.
Hickman County		
Clinton	Clinton Natural Gas System*	Trunkline Gas Co.
Columbus	No Natural Gas System	
Fulton County		
Fulton	Fulton Utility System	Texas Gas Transmission Corp.
Hickman	Hickman Natural Gas System	Trunkline Gas Co.

GAS TRANSMISSION

LEGEND

- M - Municipal
- TKG - Trunkline Gas Company
- WKG - Western Kentucky Gas Company
- TXG - Texas Gas Transmission Corp.
- CSC - Commonwealth Service Corp.
- MWP - Michigan Wisconsin Pipeline Co.
- UG - Union Gas Company



* Commonwealth Service Corporation operates and maintains the city-owned natural gas systems in Barlow, Kevil, La Center, Wickliffe, Arlington, Bardwell and Clinton.

Companies Serving

Ballard County

Company serving **Barlow** - Barlow Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 26 and 30 inches (supplier);
3 inches (distributor)

Distribution mains - 3/4, 1 1/4, 2 and 3 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation
P. O. Box 295
Wickliffe, Kentucky 42087
(502) 335-3116

Company serving **Kevil** - Kevil Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 26 and 30 inches (supplier);
2 inches (distributor)

Distribution mains - 3/4, 1 1/4 and 2 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation
P. O. Box 295
Wickliffe, Kentucky 42087
(502) 335-3116

Company serving **La Center** - La Center Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 26 and 30 inches (supplier);
3 inches (distributor)

Distribution mains - 3/4, 1 1/4 thru 3 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation
P. O. Box 295
Wickliffe, Kentucky 42087
(502) 335-3116

Company serving **Wickliffe** - Wickliffe Natural Gas System

Source of supply - Trunkline Gas company

Size of transmission mains - 26 and 30 inches (supplier);
3 inches (distributor)

Distribution mains - 3/4, 1 1/4 thru 3 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation

P. O. Box 295

Wickliffe, Kentucky 42087

(502) 335-3116

Carlisle County

Company serving **Arlington** - Arlington Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 26 and 30 inches (supplier);
2 1/2 inches (distributor)

Distribution mains - 3/4, 1 1/4, 2 and 3 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation

P. O. Box 295

Wickliffe, Kentucky 42087

(502) 335-3116

Company serving **Bardwell** - Bardwell Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 26 and 30 inches (supplier);
3 inches (distributor)

Distribution mains - 3/4, 1 1/4, 1 1/2, 2 and 3 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation

P. O. Box 295

Wickliffe, Kentucky 42087

(502) 335-3116

Hickman County

Company serving **Clinton** - Clinton Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 26 and 30 inches (supplier);
3 inches (distributor)

Distribution mains - 3/4, 1 1/4, 1 1/2, 2 and 3 inches

Distribution pressure - 20-60 psi

Btu content - 1,020 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Commonwealth Service Corporation

P. O. Box 295

Wickliffe, Kentucky 42087

(502) 335-3116

City of **Columbus** - Columbus does not have natural gas service.

Fulton County

Company serving **Fulton** - Fulton Utility System

Source of supply - Texas Gas Transmission Corporation

Size of transmission mains - Two 26 inches (supplier);
4 inches (distributor)

Distribution mains - 1, 2, 3, 4, and 6 inches

Distribution pressure - 30 psi

Btu content - 1,000 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Fulton Utility System

City Hall

P. O. Box 305

Fulton, Kentucky 42041

(502) 472-1320

Company serving **Hickman** - Hickman Natural Gas System

Source of supply - Trunkline Gas Company

Size of transmission mains - 30-inch (supplier); 4-inch (distributor)

Distribution mains - 3/4, 1, 2 and 4 inches

Distribution pressure - 28 psi

Btu content - 1,000 per cubic foot

Specific gravity - 0.60

For rates and supplies contact:

Hickman Natural Gas System

202 Jackson Street

Hickman, Kentucky 42050

(502) 236-2535

Other Fuels

Propane

Amerigas
603 West Highland Drive
Fulton, Kentucky 42041

Moss LP Gas Company, Inc.
221 Broadway
La Center, Kentucky 42056

Price's Bulk Gas Company
Barlow, Kentucky 42024

Tri-State Gas and Appliance
Company
Jefferson Street
Clinton, Kentucky 42031

Fuel oils

Distillate fuel oil -

Ashland Petroleum Company
Bardwell, Kentucky 40223

Fulton County Oil Company, Inc.
Highway 94 & By Pass 1099
Hickman, Kentucky 42050

Hagwood Oil Company
Barlow, Kentucky 42024

Ralph Puckett Oil Company
Union City Highway
Fulton, Kentucky 42041

Rudy Oil Company
La Center, Kentucky 42056

Sun Oil Company
Highway 51
Bardwell, Kentucky 40223

Residual fuel oil - Arrangements must be made with the refinery.

Low sulphur content coal - Available in Kentucky.

WATER AND SEWERAGE

Public Water Systems

Ballard County

Barlow Water and Sewer Department
City of Kevil Water System
La Center Municipal Water and Sewer System
City of Wickliffe Water and Sewer System

Carlisle County

Arlington Water and Sewer Works
Bardwell City Utilities

Hickman County

Kentucky Water Service Company, Inc. (Clinton)
City of Columbus

Fulton County

Fulton Utilities System
Hickman Water and Sewer System

Operating Data

Ballard County

Company serving **Barlow** - Barlow Water and Sewer Department
P. O. Box 146
Barlow, Kentucky 42024
(502) 334-3500

Source - Two wells - 500,000 gallon per day pumping capacity*
Treatment plant capacity - 350,000 gallons per day
Average daily consumption - 75,000 gallons
Peak daily consumption - 110,000 gallons
Type treatment - Chlorine, soda ash and fluoride
Storage capacity - 123,000 gallons
Size lines - 2, 4, 6 and 8 inches
Average pressure - 57 psi

MONTHLY WATER RATES

First	2,000 gallons or less	\$5.80 (Minimum)
Next	3,000 gallons	2.00 per M gallons
Next	5,000 gallons	1.50 per M gallons
Next	10,000 gallons	1.25 per M gallons
Next	10,000 gallons	1.00 per M gallons
All over	30,000 gallons	.90 per M gallons

Tap-on charge: \$250

Company serving **Kevil** - City of Kevil Water System
City Hall
Kevil, Kentucky 42053
(502) 462-3104

Source - Two deep wells - 360,000 gallon per day pumping capacity*
Treatment plant capacity - 300,000 gallons per day*
Average daily consumption - 99,000 gallons
Peak daily consumption - 173,000 gallons
Type treatment - Chlorination
Storage capacity - 50,000 gallons
Size lines - 2, 3 and 6 inches**
Average pressure - 45 psi
Average temperature - 65 degrees F.
Monthly rates - Residential - \$6.50 (flat rate)
Commercial - Negotiated
Tap-on charge - Inside city - \$25 plus labor and materials
Outside city - \$300 plus labor and materials

* Natural Resources and Environmental Protection Cabinet.

** A \$200,000 expansion to the distribution lines is under way.

Company serving La Center - La Center Municipal Water and Sewer System
P. O. Box 371
La Center, Kentucky 42056
(502) 665-5162

Source - Wells - 280,000 gallon per day pumping capacity*

Treatment plant capacity - 280,000 gallons per day*

Average daily consumption - 150,000 gallons

Peak daily consumption - 235,000 gallons

Type treatment - Chlorination

Storage capacity - 75,000 gallons

Size lines - 2-, 4- and 6-inch

Average pressure - 60 psi

Average temperature - 50 to 60 degrees F.

Monthly rate - \$8.50 (flat rate)

Tap-on charge - \$650

*Natural Resources and Environmental Protection Cabinet.

Company serving **Wickliffe** - City of Wickliffe Water and Sewer System*
P. O. Box 175
Wickliffe, Kentucky 42087
(502) 335-3557

Source - Two wells - 468,000 gallon per day pumping capacity**
Treatment plant capacity - 432,000 gallons per day
Average daily consumption - 225,000 gallons
Peak daily consumption - 350,000 gallons
Type treatment - Chlorination and Ph adjustment
Storage capacity - 200,000 gallons
Size lines - 2, 4, 6, 8 and 10 inches
Average pressure - 90 psi
Average temperature - 64 degrees F.

MONTHLY WATER RATES

First	1,000 gallons	\$3.00 (Minimum)
Next	4,000 gallons	1.45 per M gallons
Next	5,000 gallons	1.30 per M gallons
Next	10,000 gallons	1.15 per M gallons
Next	10,000 gallons	1.05 per M gallons
Next	10,000 gallons	.90 per M gallons
Next	10,000 gallons	.75 per M gallons
All over	50,000 gallons	.65 per M gallons

Tap-on charge:

Residential - \$200
Commercial - Labor and materials plus \$50

* Wickliffe will have a new source of water beginning midsummer 1983. The city will purchase water from Westvaco Corporation which pumps water from the Mississippi River. Westvaco Corporation will apply primary treatment to the raw water and the city of Wickliffe will provide added treatment. The project will cost the city \$300,000 to \$350,000 but will not require a rate increase for the city's water customers. The wells will be used as a back-up source.

** Natural Resources and Environmental Protection Cabinet.

Carlisle County

Company serving **Arlington** - Arlington Water and Sewer Works*
P. O. Box 398
Arlington, Kentucky 42021
(502) 655-6333

Source - Deep wells - 720,000 gallon per day pumping capacity**
Treatment plant capacity - 200,000 gallons per day
Average daily consumption - 85,000 gallons
Peak daily consumption - 126,000 gallons**
Type treatment - Chlorination
Storage capacity - 75,000 gallons
Size lines - 2, 4 and 6 inches
Average pressure - 90 psi
Average temperature - 50 degrees F.
Monthly rates -

Residential - \$15 (water and sewer flat rate)
Commercial - \$15.74 (water and sewer flat rate)

Tap-on charge:

\$400; Tap-on fee for lines larger than 3/4-inch
at actual cost to city

* The city of Arlington is planning to construct a new 300,000 gallon per day water treatment plant. In addition, storage capacity will be increased to 200,000 gallons and several 2-and 4-inch lines will be replaced by 6-inch line.

** Natural Resources and Environmental Protection Cabinet.

Company serving **Bardwell** - Bardwell City Utilities
Box 277
Bardwell, Kentucky 42023
(502) 628-3833

Source - Wells - 324,000 gallon per day pumping capacity*
Treatment plant capacity - 225,000 gallons per day
Average daily consumption - 137,000 gallons
Peak daily consumption - 164,000 gallons
Type treatment - Fluoride and soda ash
Storage capacity - 131,500 gallons
Size lines - 4 and 6 inches
Average pressure - 78 psi
Average temperature - Not available

MONTHLY WATER RATES

First	2,000 gallons	\$4.00 (Minimum)
Next	8,000 gallons	1.40 per M gallons
Next	10,000 gallons	1.20 per M gallons
Over	20,000 gallons	1.10 per M gallons

Tap-on charge: \$75

*Natural Resources and Environmental Protection Cabinet.

Hickman County

Company serving Clinton - Kentucky Water Service Company, Inc.
P. O. Box 178
Clinton, Kentucky 42031
(502) 653-3621

Source - Deep wells - 850,000 gallon per day pumping capacity
Treatment plant capacity - 850,000 gallons per day
Average daily consumption - 150,000 gallons
Peak daily consumption - 170,000 gallons
Type treatment - Air agitation, chlorination, fluoridation
Storage capacity - 450,000 gallons
Size lines - 4, 6, 8 and 10 inches
Average pressure - 55 psi
Average temperature - 60 degrees F.

MONTHLY WATER RATES

First	1,000 gallons	\$6.60 (Minimum)
Next	9,000 gallons	3.05 per M gallons
Next	15,000 gallons	2.90 per M gallons
Next	25,000 gallons	2.65 per M gallons
Next	50,000 gallons	2.35 per M gallons
Over	100,000 gallons	2.00 per M gallons

Minimum Monthly Charges

5/8 or	3/4-inch meter	\$ 6.60
1 or	1 1/4-inch meter	20.45
	1 1/2-inch meter	39.10
	2-inch meter	57.90
	3-inch meter	166.15
	4-inch meter	281.80
	6-inch meter	580.10

Tap-on charge: None

Company serving **Columbus** - City of Columbus*

City Hall

Columbus, Kentucky 42032

(502) 677-2622

Source - Two deep wells - 488,000 gallon per day pumping capacity

Treatment plant capacity - 430,000 gallons per day

Average daily consumption - 40,000 gallons

Peak daily consumption - 50,000 gallons

Type treatment - Chlorination

Storage capacity - 190,000 gallons

Size lines - 4 and 6 inches

Average pressure - Ranges from 30 to 70 psi

Average temperature - Approximately 60 degrees F.

MONTHLY WATER RATES

(Proposed)

First	2,000 gallons	\$ 10.50 (Minimum)
Next	8,000 gallons	4.00 per M gallons
Next	10,000 gallons	3.50 per M gallons
Next	20,000 gallons	2.50 per M gallons
All over	40,000 gallons	1.60 per M gallons

Tap-on charge: Not available

* Construction of a new water treatment system will begin during 1983. The project includes a new treatment plant and distribution lines to replace the old plant and lines. The project is scheduled for completion during 1984 at a cost of \$527,000. Figures shown above represent the new system.

Fulton County

Company serving **Fulton** - Fulton Utilities System
101 Nelson Tripp Place
Fulton, Kentucky 42041
(502) 472-1320

Source - Deep wells - 2,000,000 gallon per day pumping capacity*

Treatment plant capacity - 1,500,000 gallons per day

Average daily consumption - 998,000 gallons

Peak daily consumption - 1,200,800 gallons

Type treatment - Filtration and chlorination

Storage capacity - 1,380,000 gallons

Size lines - 2, 4, 6, 8, 10, 12 and 14 inches

Average pressure - 70 psi

Average temperature - 55 degrees F.

MONTHLY WATER RATES

First	3,000 gallons	\$5.00 (Minimum)
Next	5,000 gallons	2.40 per M gallons
Next	5,000 gallons	2.35 per M gallons
Next	7,000 gallons	2.25 per M gallons
Next	10,000 gallons	2.00 per M gallons
Next	20,000 gallons	1.60 per M gallons
Next	50,000 gallons	.85 per M gallons
Next	100,000 gallons	.65 per M gallons
All over	200,000 gallons	.45 per M gallons

Tap-on charge: \$150

*Natural Resources and Environmental Protection Cabinet.

Company serving **Hickman** - Hickman Water and Sewer System
 202 Jackson Street
 Hickman, Kentucky 42050
 (502) 236-2535

Source - Three deep wells - 1,440,000 gallon per day pumping capacity*
 Treatment plant capacity - 1,440,000 gallons per day*
 Average daily consumption - 1,030,000 gallons*
 Peak daily consumption - 1,290,000 gallons*
 Type treatment - Filtration, coagulation, chlorination
 Storage capacity - 1,400,000 gallons
 Size lines - From 3/4-inch to 8-inch
 Pressure - From 30 to 120 psi
 Average temperature - 67 degrees F.

MONTHLY WATER RATES

Inside City Limits

First	2,000 gallons	\$4.00 (Minimum)
Next	8,000 gallons	1.09 per M gallons
Next	15,000 gallons	.862 per M gallons
Next	25,000 gallons	.747 per M gallons
Next	50,000 gallons	.621 per M gallons
Next	100,000 gallons	.460 per M gallons
All over	200,000 gallons	.400 per M gallons

Outside City Limits

First	2,000 gallons	\$6.00 (Minimum)
Next	8,000 gallons	1.635 per M gallons
Next	15,000 gallons	1.293 per M gallons
Next	25,000 gallons	1.120 per M gallons
Next	50,000 gallons	.931 per M gallons
Next	100,000 gallons	.690 per M gallons
Next	200,000 gallons	.600 per M gallons

(Contd.)

*Natural Resources and Environmental Protection Cabinet.

Rural Extension

First	2,000 gallons	\$8.00 (Minimum)
Next	8,000 gallons	1.635 per M gallons
Next	15,000 gallons	1.245 per M gallons
Next	25,000 gallons	1.120 per M gallons
Next	50,000 gallons	.931 per M gallons
Next	100,000 gallons	.690 per M gallons
Next	200,000 gallons	.600 per M gallons

All water bills include 50¢ surcharge with minimum charge for bond retirement purposes.

Tap-on charges:

Inside the city:

3/4-inch meter	\$150
1-inch meter	150
2-inch meter	195

Outside the city:

3/4-inch meter	\$150
1-inch meter	150
2-inch meter	195

Rural Extension:

3/4-inch meter	\$175
1-inch meter	200
2-inch meter	225

Sewerage

Ballard County

Barlow Water and Sewer Department
City of Kevil Water System
La Center Municipal Water and Sewer System
City of Wickliffe Water and Sewer System

Carlisle County

Arlington Water and Sewer Works
Bardwell City Utilities

Hickman County

City of Clinton
City of Columbus (Septic Tanks)

Fulton County

Fulton Utilities System
Hickman Water and Sewer System

Operating Data

Ballard County

Company serving **Barlow** - Barlow Water and Sewer Department*
P. O. Box 146
Barlow, Kentucky 42024
(502) 334-3500

Design capacity - 50,000 gallons per day
Average daily flow - 27,000 gallons
Treatment - Primary
Type treatment - Digester, trickling filter
Treated effluent discharged into - Shawnee Creek
Size of sanitary mains - 6, 8 and 10 inches
Size of storm mains - None
Rates - 100 percent of monthly water bill (\$5.80 minimum)
Tap-on charge: \$400

Company serving **Kevil** - City of Kevil Water System**
City Hall
Kevil, Kentucky 42053
(502) 462-3104

Design capacity - 76,000 gallons per day***
Average daily flow - Not available
Treatment - Primary Lagoon System
Type treatment - Aeration
Treated effluent discharged into - Blue Line Creek
Size of sanitary mains - 10 inches
Size of storm mains - None
Rates - \$6.50 per month (flat rate)
Tap-on charge: \$150

* A 201 Facilities Study of the sewerage treatment system is under way.

** A \$300,000 expansion is planned for 1983. The project is to include a new collector line to serve 60 more families and construction of a second sand stage lagoon.

*** Natural Resources and Environmental Protection Cabinet.

Company serving **La Center** - La Center Municipal Water and Sewer System*
P. O. Box 371
La Center, Kentucky 42056
(502) 665-5162

Design capacity - 100,000 gallons per day
Average daily flow - At capacity
Treatment - Primary and secondary
Type treatment - Clarifier, digester
Treated effluent discharged into - Humphrey Creek
Size of sanitary mains - 8 inches
Size of storm mains - None
Rates - \$6.50 monthly (flat rate)
Tap-on charge: \$650

Company serving **Wickliffe** - City of Wickliffe Water and Sewer System
P. O. Box 175
Wickliffe, Kentucky 42087
(502) 335-3557

Design capacity - 135,000 gallons per day
Average daily flow - 40,000 gallons
Treatment - Secondary
Type treatment - Lagoon with final filtration
Treated effluent discharged into - Mayfield Creek
Size of sanitary mains - 6 and 8 inches
Size of storm mains - None
Rates -

First	2,000 gallons	\$7.00 (Minimum)
Next	3,000 gallons	3.00 per M gallons
Next	5,000 gallons	2.00 per M gallons
Next	10,000 gallons	1.60 per M gallons
Next	20,000 gallons	1.40 per M gallons
Over	40,000 gallons	1.20 per M gallons

Tap-on charge: \$500

* A 201 Facilities Study is under way for the city of La Center. A new lagoon-type treatment system is being planned. Construction of the new plant is tentatively planned for early 1984.

Carlisle County

Company serving **Arlington** - Arlington Water and Sewer Works
P. O. Box 398
Arlington, Kentucky 42021
(502) 655-6333

Design capacity - 70,000 gallons per day
Average daily flow - 55,000 gallons
Treatment - Primary
Type treatment - Aeration
Treated effluent discharged into - West Hurricane Creek
Size of sanitary mains - 8 inches
Size of storm mains - None
Rates - Residential - \$15.00 (water and sewer)
Commercial - \$15.74 (water and sewer)
Tap-on charge: \$250

Company serving **Bardwell** - Bardwell City Utilities
P. O. Box 277
Bardwell, Kentucky 42023
(502) 628-3833

Design capacity - 130,000 gallons per day*
Average daily flow - 50,290 gallons
Treatment - Secondary
Type treatment - Extended aeration
Treated effluent discharged into - Drainage ditch
Size of sanitary mains - 4, 6 and 8 inches
Size of storm mains - None
Rates -

First	2,000 gallons	\$2.25 (Minimum)
Next	8,000 gallons	.70 per M gallons
Next	10,000 gallons	.60 per M gallons
All over	20,000 gallons	.55 per M gallons

Tap-on charge: \$25

*Natural Resources and Environmental Protection Cabinet.

Hickman County

Company serving **Clinton** - City of Clinton
P. O. Box 103
Clinton, Kentucky 42031
(502) 653-6419

Design capacity - 200,000 gallons per day
Average daily flow - 150,000 gallons
Treatment - Lagoon system
Type treatment - Aeration
Treated effluent discharged into - Cane Creek
Size of sanitary mains - 6, 8, 10 and 12 inches
Size of storm mains - 18 and 24 inches
Rates - \$3 per month
Tap-on charge: \$100

Columbus is not served by a sewerage system. Individual septic tanks are utilized.

Fulton County

Company serving **Fulton** - Fulton Utilities System*
101 Nelson Tripp Place
Fulton, Kentucky 42041
(502) 472-1320

Design capacity - 400,000 gallons per day
Average daily flow - 320,000 gallons
Treatment - Primary
Type treatment - Aeration and oxidation
Treated effluent discharged into - Harris Fork Creek
Size of sanitary mains - 8 to 24 inches
Size of storm mains - 8 to 36 inches
Rates - 65 percent of the amount of the customer's water bill, except in cases where special contracts are to be made or continued in effect on an individual customer basis
Tap-on charge: \$10 for residential; separate contracts for commercial and industrial customers

* A 201 Facilities Study has been completed for the city of Fulton. Current plans call for a combined treatment system for Fulton, Kentucky, and South Fulton, Tennessee.

Company serving **Hickman** - Hickman Water and Sewer System*
202 Jackson Street
Hickman, Kentucky 42050
(502) 236-2535

Design capacity - East Lagoon - 1,500,000 gallons per day;

West Lagoon - 1,200,000 gallons per day

Average daily flow - East Lagoon - 682,000 gallons;

West Lagoon - 223,000 gallons

Treatment - Lagoon system

Type treatment - Aeration

Treated effluent discharged into - Bayou de Chien and Mississippi River

Size of sanitary mains - 6, 8, 10 and 12 inches

Size of storm mains - From 6 to 36 inches

Rates - Residential - \$2.65 plus \$1.11 per M gallons

Commercial - \$7.80 plus \$1.11 per M gallons

Tap-on charge:

Inside the city:

2-inch meter	\$200
4-inch meter	200
6-inch meter	300
8-inch meter	400

Outside the city:

2-inch meter	\$235
4-inch meter	235
6-inch meter	350
8-inch meter	475

* Plans are being developed to upgrade the sewage treatment facilities in Hickman. Tentative plans include adding a chlorinator to the treatment process and upgrading the system for discharging the effluent.

CLIMATE

Four Mississippi River Counties

Temperature

Normal (30-year record)	59.40 degrees
Average annual 1981	59.20 degrees
Record highest, July 1980 (39-year record)	104.00 degrees
Record lowest, January 1963 (39-year record)	-5.00 degrees
Normal heating degree days (30-year record)	3,833
(Heating degree day totals are the sums of negative departures of average daily temperatures from 65 degrees F.)	

Precipitation

Normal (30-year record)	47.12 inches
Mean annual snowfall (39-year record)	10.20 inches
Total precipitation 1981	40.84 inches
Mean number days precipitation (.01 inch or more) (39-year record)	113
Mean number days thunderstorms (22-year record)	53

Prevailing Winds (22-year record)

Southwest

Relative Humidity (22-year record)

1 a.m.	N/A
6 a.m.	82 percent
Noon	59 percent
7 p.m.	N/A

Source: U.S. Department of Commerce, Environmental Science Services
Administration, Climatological Data, 1981. Station of record: Cairo, Illinois.

NATURAL RESOURCES

Mineral Resources

The mineral resources of the four-county region have to be considered in conjunction with the entire Purchase Area in order to evaluate their potential.

The resources of the Purchase Area are clay, sand and gravel. Clay is produced from the Claiborne and Wilcox Age deposits. Throughout the Purchase Area deposits of Eocene and Cretaceous Ages contain sand with a high silica content. The pliocene sand and gravel is mined for road metal.

Clay

Clay is probably the most important mineral resource of this region. Several varieties of clay are widely distributed throughout the area. The most commercially important are those suitable for the manufacture of ceramic products. These sell under the trade name of ball, sagger and wad, depending upon their uses. They are mined at several locations by two companies in Graves County; however, deposits occur in Ballard, Calloway, Carlisle, Graves and Marshall Counties. The U.S. Bureau of Mines estimates the ball clay reserves in Kentucky to be 630,000,000 tons. The total reserve base is located in the Purchase Region.

Fuller's Earth: This is a term used to describe bleaching clays with high natural absorptive capacities for oil. Deposits of this type clay extend in an arc-shaped belt from Ballard County running roughly parallel with Kentucky Lake to the Tennessee border. The U.S. Bureau of Mines estimates Kentucky's reserves to be 750,000,000 tons. Currently, these deposits are not being mined; however, the quality of the reserves have the absorptive properties approximating the chemical oil standard.

Sand and Gravel

The sand and gravel resources of the Purchase Area are very large and widespread. The greater part of the sand and gravel produced in the area has been for general construction and building purposes such as highways, bridges, railroad ballast, etc.

Industrial Sand: Deposits of industrial sand have been mined in Calloway, Fulton, Graves and McCracken Counties. This type of sand is used for manufacturing glass and foundry molds. Generally, the sand contains over 97% silica, 0.05% to 0.231% iron oxide, and 0 to 0.03% magnesium oxide.

The Carlisle County Silica Sand Deposit: An unmined silica sand deposit lies in Carlisle County. It is located about 5.5 miles west of Bardwell and has been named The Laketon Deposit. The sand is exposed intermittently along the Illinois Central Gulf Railroad for a distance of about one mile. The analyses of raw sand from two locations show the sand to be composed of 95.80 to 97.75 percent silica and that 76 to 86 percent is retained on 30 to 70 mesh screens.

Water Resources

The four-county area has an abundance of surface water and groundwater. The area is bordered on the west by the Mississippi River and on the north by the Ohio River. The low-flow discharges are large and are capable of supplying water needs of a highly industrialized area. The chemical quality of these rivers is good, having generally less than 300ppm dissolved solids.

Ground Water

Numerous aquifers capable of large yields exist in these counties. The following are the most widespread aquifers:

Claiborne Group: Sands of this group can yield more than 1,000 gallons per minute in about three-fourths of this area. Generally, the best aquifer is the lower 300 to 400 feet of this group; however, sands in the top part of the group may also have yields of more than 1,000 gallons per minute. Generally dissolved solids in the water are less than 70 parts per million and the water is soft. The water from this aquifer is low in iron content and usually does not have to be treated.

Mississippi & Ohio River Alluvium: Sand and gravel of these alluvial deposits can usually yield more than 1,000 gallons per minute at most places. The water is hard to very hard. The water quality is good and contains less than 500 mg/l of dissolved solids. It is usually high in iron content and has to be treated.

AGRICULTURE

Agriculture plays an important role in the economy of the four river counties. In 1978, over 1,800 farms, with an average size of 226 acres, operated in the four counties. Also in 1978, farm land made up nearly 73 percent of the total land area in the four counties. Major crops in the area include soybeans, winter wheat and corn.

	<u>Ballard County</u>	<u>Carlisle County</u>	<u>Hickman County</u>	<u>Fulton County</u>	<u>Four Mississippi River Counties Total</u>
Total land area (acres)	165,760	124,800	157,440	129,920	577,920
Percent of area in farm land	71.6	70.6	71.9	76.5	72.6
Number of farms	641	485	450	277	1,853
Average size of farms (acres)	185	182	251	359	226
1978 Value of farm products sold	\$19,285,000	\$11,853,000	\$16,906,000	\$15,488,000	\$63,532,000
Average value per farm	30,085	24,440	37,569	55,912	148,006
Total value of crop sales	13,440,000	7,162,000	11,297,000	13,285,000	45,184,000
1981 Agricultural production included:					
Soybeans (bushels)	1,506,600	845,100	2,053,200	2,111,200	6,516,100
Winter Wheat (bushels)	655,200	364,000	1,620,000	1,108,800	3,748,000
Corn (bushels)	1,309,500	1,040,300	2,060,000	1,323,000	5,732,800
Milk (pounds)	12,600	14,800	8,000	1,000	36,400
Cattle and Calves (Number)	9,000	9,700	10,000	5,500	44,200
Hogs and Pigs (Number)	15,000	10,000	13,000	6,000	44,000

Sources: U.S. Department of Commerce, Bureau of the Census, Census of Agriculture 1978.
Kentucky Crop and Livestock Reporting Service, Kentucky Agricultural Statistics, 1981-82.

LOCAL GOVERNMENT

City Government

Ballard County

Barlow

Structure - Barlow is governed by a board of trustees. Five trustees are elected to two-year terms and a chairman is elected from the group.

Budget - 1982-83 - General Fund \$40,339
Water and Sewer Fund 90,500

Fees and licenses - No fees and/or business licenses

Kevil

Structure - Mayor - 4-year term; 4 council members - 2-year terms

Budget - 1982-83 - General Fund \$14,916
Water and Sewer Fund 30,950

Fees and licenses - No fees and/or business licenses

La Center

Structure - Mayor - 4-year term; 6 council members - 2-year terms

Budget - 1982 - General Fund \$80,814
Water and Sewer Fund 98,350

Fees and licenses - Auto vehicle tax - \$5 per year; pool table license - \$25 per table per year; unloading license - \$12 per year.

Wickliffe

Structure - Mayor - 4-year term; 6 council members - 2-year terms

Budget - 1982 - General Fund \$86,848
Water Fund 80,000
Sewer Fund 84,590

Fees and licenses - No fees and/or business licenses

Carlisle County

Arlington

Structure - Mayor - 4-year term; 4 council members - 2-year terms

Budget 1982 - General Fund \$27,192
Water and Sewer Fund 37,774

Fees and licenses - Business licenses range from \$10.50 to \$50 per year. Auto vehicle sticker - \$7.50 per year. Unloading license tax - \$10.50 per year.

Bardwell

Structure - Mayor - 4-year term; 6 council members - 2-year terms

Budget 1982 - General Fund \$66,776
 Water and Sewer Fund N/A

Fees and licenses - Occupational license - \$10 per year. Auto vehicle stickers
- \$5 per year. Unloading license tax - \$10.50 per year.

Hickman County

Clinton

Structure - Mayor - 4-year term; 6 council members - 2-year terms

Budget 1982 - General Fund \$139,096
 Sewer Fund 24,000

Fees and licenses - Occupational licenses range from \$25 to \$250 per year.
Auto vehicle stickers - \$12.50 per year

Columbus

Structure - Mayor - 4-year term; 5 council members - 2-year terms

Budget 1982-83 - General Fund \$ 1,200
 Water and Sewer Fund 6,000

Fees and licenses - Business licenses - \$7.50 per year; Unloading license - \$10
per year

Fulton County

Fulton

Structure - Mayor - 4-year term; 4 commissioners - 2-year terms; city manager

Budget 1982-83 - General Fund \$619,736
 Water and Sewer Fund 390,407
 City Gas System 709,864

Fees and licenses - Occupational license tax of one percent of the gross wages
of individuals; occupational license tax on manufacturers where the number
of employees does not exceed 50, a fixed fee of \$100; where the number of
employees exceeds 50, but does not exceed 100, a fixed fee of \$150; where
the number of employees exceeds 100, a fixed fee of \$200

Hickman

Structure - Mayor - 4-year term; 4 commissioners - 2-year terms; city
manager

Budget 1981-82 - General Fund \$ 427,737
 Water and Sewer Fund 358,150
 City Gas System 1,801,221

Fees and licenses - One percent of net profits of businesses, one percent of
gross wages and earnings of individuals; $\frac{1}{4}$ of one percent of contract price
for out-of-town contractors operating in the city. Auto vehicle stickers
range from \$10 to \$26 per year.

County Government

Ballard County

Structure - County Judge/Executive - 4-year term; 5 magistrates - 4-year terms

Budget 1982-83 - General Fund \$244,364; Road Fund \$277,566

Carlisle County

Structure - County Judge/Executive - 4-year term; 4 magistrates - 4-year terms

Budget 1982-83 - General Fund \$135,230; Road Fund \$235,744

Hickman County

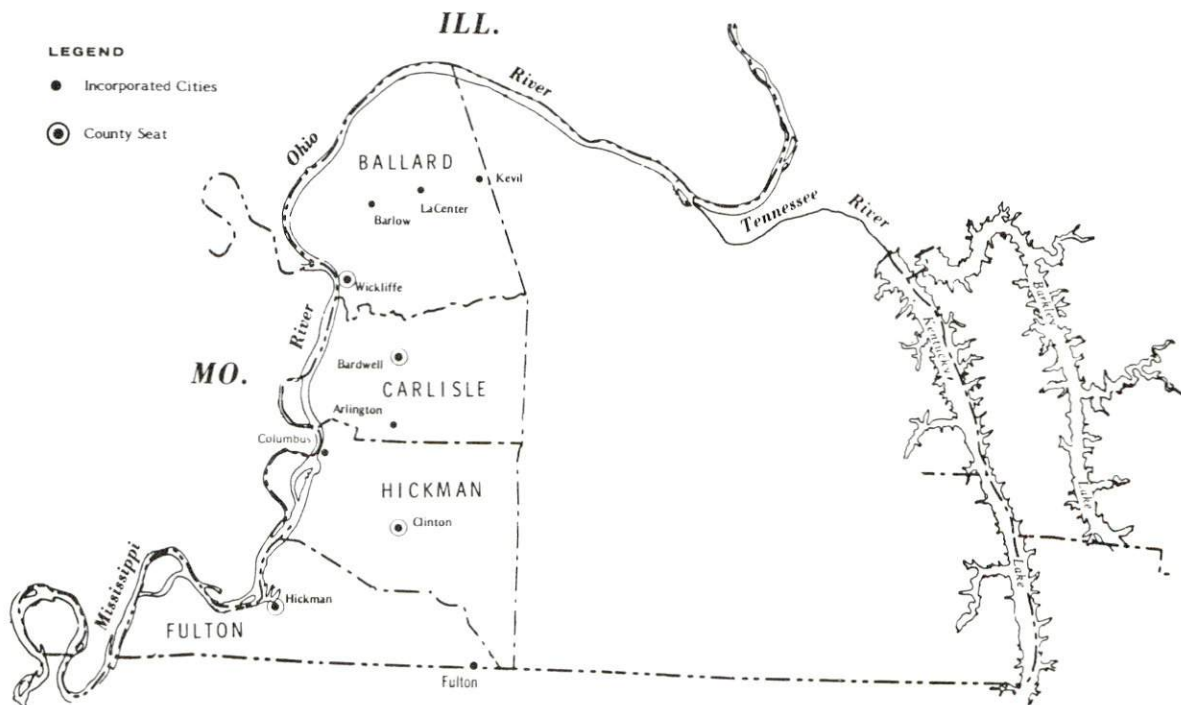
Structure - County Judge/Executive - 4-year term; 3 magistrates - 4-year terms

Budget 1982-83 - General Fund \$131,495; Road Fund \$280,149

Fulton County

Structure - County Judge/Executive - 4-year term; 4 magistrates - 4-year terms

Budget 1982-83 - General Fund \$228,266; Road Fund \$257,284



Property Taxes

All property in Kentucky is assessed at 100 percent of fair cash value.

Kentucky statutes allow the state to tax all classes of taxable property, and allow local jurisdictions to levy taxes on selected classes. Local taxing jurisdictions in Kentucky include counties, cities, school districts, and special districts. Counties levy taxes throughout the county, including property located inside of incorporated cities. Cities may levy taxes only within their corporate boundaries. School districts do not overlap.

Special local taxing jurisdictions (fire protection districts, watershed districts, and sanitation districts) levy taxes within their operating areas, usually a small portion of a community or county. In Ballard County a watershed district levies a tax of \$0.165 per \$100 valuation. In Carlisle County a watershed district levies a tax of \$0.100 per \$100 valuation. In Hickman County a fire protection district levies a tax of \$0.07 per \$100 valuation. In addition, in Fulton County a fire protection fee of \$0.02 per acre is charged on timberland.

State and local taxes are levied on the following classes of property:

- Real Estate (State rate - \$0.224/\$100)
- Inventories of finished goods (State rate - \$0.45/\$100)
- Vehicles, office furniture and equipment, warehousing equipment, and other tangible personal property authorized by law (State rate - \$0.45/\$100)

The following classes of property are taxed only by the state at special low rates, and local taxation is prohibited by law.

- Manufacturing machinery (\$0.15/\$100)
- Pollution control equipment (\$0.15/\$100)
- Inventories of raw materials (\$0.15/\$100)
- Inventories of goods in process of manufacture (\$0.15/\$100)
- Intangibles (accounts receivable, money on hand, stocks, bonds) (\$0.25/\$100)
- Goods stored in public warehouses, in transit (\$0.015/\$100)
- Private leaseholds in facilities financed by industrial revenue bonds (\$0.015/\$100)

Local Property Tax Rates Per \$100 Valuation, 1982

Location	County		Schools		City		Total	
	Real Estate	Tangibles	Real Estate	Tangibles	Real Estate	Tangibles	Real Estate	Tangibles
Ballard County								
Barlow	\$0.1932	\$0.2292	\$0.266	\$0.317	\$0.342	\$0.342	\$0.8012	\$0.8882
Kevil	0.1932	0.2292	0.266	0.317	0.297	0.297	0.7562	0.8432
La Center	0.1932	0.2292	0.266	0.317	0.489	0.489	0.9482	1.0352
Wickliffe	0.1932	0.2292	0.266	0.317	0.325	0.325	0.7842	0.8712
Outside Cities	0.1932	0.2292	0.266	0.317	--	--	0.4592	0.5462
Carlisle County								
Arlington	0.2352	0.2749	0.150	0.150	0.415	0.415	0.8002	0.8399
Bardwell	0.2352	0.2749	0.150	0.150	0.260	0.260	0.6452	0.6849
Outside Cities	0.2352	0.2749	0.150	0.150	--	--	0.3852	0.4249
Hickman County								
Clinton	0.1610	0.1870	0.108	0.133	0.265	0.265	0.5340	0.5850
Columbus	0.1610	0.1870	0.108	0.133	0.010	0.010	0.2790	0.3300
Outside Cities	0.1610	0.1870	0.108	0.133	--	--	0.2690	0.3200
Fulton County								
Fulton	0.2373	0.2696	0.658	0.795	0.271	0.271	1.1663	1.3356
Hickman	0.2373	0.2696	0.144	0.159	0.281	0.281	0.6623	0.7096
Outside Cities	0.2373	0.2696	0.144	0.159	--	--	0.3813	0.4286

Assessed Value of Property, 1982

Ballard County

<u>Classes of Property</u>	<u>Barlow</u>	<u>Kevil</u>	<u>La Center</u>
Real Estate	\$ 3,259,386	\$ 1,956,537	\$ 7,816,948
Tangibles	1,594,121	944,640	2,383,834
<u>Classes of Property</u>	<u>Wickliffe</u>	<u>Ballard County</u>	
Real Estate	\$10,638,606	\$80,966,744	
Tangibles	2,709,385	29,361,485	

Carlisle County

<u>Classes of Property</u>	<u>Arlington</u>	<u>Bardwell</u>	<u>Carlisle County</u>
Real Estate	\$ 2,534,725	\$ 8,940,384*	\$53,093,385
Tangibles	991,837	---	13,798,389

Hickman County

<u>Classes of Property</u>	<u>Clinton</u>	<u>Columbus</u>	<u>Hickman County</u>
Real Estate	\$13,090,150	\$ 1,480,000**	\$74,701,675
Tangibles	4,676,912	N/A	15,905,936

Fulton County

<u>Classes of Property</u>	<u>Fulton</u>	<u>Hickman</u>	<u>Fulton County</u>
Real Estate	\$27,966,298	\$16,522,523	\$86,524,199
Tangibles	11,994,006	7,552,534	25,684,186

Utilities Gross Receipts Tax for Schools

School districts in Kentucky may levy a utilities tax at a rate not exceeding 3 percent of taxable utilities (telephone, telegraph, electric, water, and natural and artificial gas services). Exempted from the tax are energy costs that exceed 3 percent of the cost of production in manufacturing.

The tax is included as an add-on to the utility bills at the time of payment.

During the 1982-83 school year, all school districts except the Fulton Independent School District levied a 3 percent utilities tax for schools.

* Real Estate and Tangibles.

** Estimated.

Planning and Zoning

City agency - **Hickman** Planning and Zoning Commission

Zoning enforced - City only

Subdivision regulations enforced - Within city and five miles beyond corporate limits

Local codes enforced - Building and housing

Mandatory state codes enforced - Kentucky Plumbing Code, National Electric Code, Kentucky Boiler Regulations and Standards, Kentucky Building Code (modeled after BOCA code)

City agency - **Fulton** Planning Commission

Zoning enforced - City only

Subdivision regulations enforced - Within city and three miles beyond corporate limits

Local codes enforced - Building and housing

Mandatory state codes enforced - Kentucky Plumbing Code, National Electric Code, Kentucky Boiler Regulations and Standards, Kentucky Building Code (modeled after BOCA code)

There are no planning and zoning commissions in **Ballard, Carlisle** or **Hickman Counties** at the present time.

Mandatory state codes enforced - Kentucky Plumbing Code, National Electric Code, Kentucky Boiler Regulations and Standards, Kentucky Building Code (modeled after BOCA code)

Safety

Police

Ballard County	<u>Total Staff</u>	<u>Radio Patrol Cars</u>
La Center	1 full time	1
	1 part time	
Barlow	1	1
Wickliffe	1	1
Sheriff's Office	4	4
Carlisle County		
Arlington	1	1
Bardwell	1	1
Sheriff's Office	3 full time	2
	1 part time	
Hickman County		
Clinton	3 full time	1
	1 part time	
Sheriff's Office	2 full time	5
	15 volunteers	
Fulton County		
Fulton	8 full time	3
	5 part time	
Hickman	5 full time	2
	1 part time	
Sheriff's Office	3 full time	4
	4 part time	

Fire

Insurance Services Organization Public Protection Classification

Ballard County

Bandana	10
Barlow	8
Kevil	8
La Center	8
Lovelaceville	10
Wickliffe	7

Carlisle County

Arlington	7
Bardwell	8
Berkley	10
Cunningham	10
Melburn	10

Hickman County

9 (within 5 miles of fire station)

Clinton	6
---------	---

Fulton County

Fulton	7
Hickman	7

All fire departments in the four river counties are staffed by trained volunteers except the Fulton City Fire Department which maintains a full-time staff of 10.

Rescue Service

Ballard County Rescue Squad:

Number of volunteers - 20

Equipment - One truck, one boat and motor, porta-power, Jaws of Life, two generators and miscellaneous rescue equipment

Personnel training - One emergency medical technician, two members are in EMT training, 17 members trained in CPR, one member is a CPR instructor

Carlisle County Rescue Squad:

Number of volunteers - 27

Equipment - Ambulance-rescue truck, extrication equipment, one truck, one boat and motor, portable welder, miscellaneous rescue equipment

Personnel training - Four members are emergency medical technicians, 12 members are in EMT training

Hickman County Fire Rescue Squad:

Number of volunteers - 35

Equipment - 750-gallon fire truck, 5,000-gallon tank truck, 4-wheel drive trucks, ambulance-rescue truck, bus, utility truck, boat with motor and trailer, 3 electric generators, light bank, porta-power pack, Jaws of Life

Personnel training - Standard and advanced first aid, emergency medical technician training, cardiopulmonary resuscitation

Hickman-Fulton County Rescue Squad:

Number of volunteers - 25

Equipment - Boat and motor, dragging equipment, oxygen, two generators, 3/4 ton van/truck, lights, radios, basic rescue equipment, army trailer with lights, 3/4-ton jeep

Personnel training - Advanced and standard first aid, CPR. Most members are also volunteer firemen and have received fire fighting training.

Refuse Collection and Disposal

Several private companies and individuals provide refuse collection services to the four-river-county area.

Fee charged:

Residential	From \$4 to \$8.50 per month
Business	Based on volume
Industrial	Based on volume

Collection Frequency:

Residential	Weekly pick-up is available
Business	Based on volume
Industrial	Based on volume

Disposal Method: Landfills

EDUCATION

Five public school systems, serving over 5,500 students, and two vocational education centers are located within the four river counties. The Ballard County Vocational Education Center, located in Barlow, offers training in seven courses. The Fulton County Vocational Education Center, located in the city of Hickman, offers five courses. In addition, the Mayfield Area Vocational Education Center, in nearby Mayfield, offers ten courses and the West Kentucky State Vocational Technical School, in nearby Paducah, offers twenty-eight courses. Six colleges and universities are located within 60 miles of the four river counties.

Public School Systems	Ballard County	Carlisle County	Hickman County	Fulton County	Fulton Independent
Total Enrollment					
Fall 1982	1,691	973	1,005	1,183	680
Elementary	915	454	505	419*	480
Junior High	--	--	203	--	--
Middle School	266	245	--	407	--
High School	510	274	297	357	200
Student-Teacher Ratio	16-1	16-1	16-1	17-1	20-1
Elementary	18-1	16-1	16-1	19-1	23-1
Junior High	--	--	25-1	--	--
Middle School	17-1	16-1	--	16-1	--
High School	13-1	14-1	13-1	18-1	15-1
Accreditation	Southern Association of Colleges and Schools				Southern Association of Colleges and Schools
Percent High School Graduates to College (1982)	44.5	24.6	32.8	37.5	46.3
Expenditures Per Pupil (1981-82)	\$1,706.06	\$1,495.91	\$1,560.57	\$1,604.17	\$1,658.12
Bonded Indebtedness (June 30, 1981)	\$1,610,000	\$1,535,000	\$960,000	\$819,000	\$815,000

*Kindergarten through fourth grade.

Area Colleges and Universities (Within 60 miles)

<u>Name</u>	<u>Location</u>	<u>Enrollment (Fall, 1982)</u>	<u>Highest Degree Conferred</u>
Paducah Community College	Paducah, Kentucky	1,885	Associate
Murray State University	Murray, Kentucky	7,587	Masters, Specialist*
University of Tennessee at Martin	Martin, Tennessee	5,534	Masters
Bethel College	McKenzie, Tennessee	471	Baccalaureate
Southeast Missouri State University	Cape Girardeau, Missouri	9,017	Masters
Southern Illinois University at Carbondale	Carbondale, Illinois	23,733	Academic & Professional

* Joint doctoral degree programs are offered in cooperation with the University of Kentucky, Lexington. The degrees are issued by the University of Kentucky.

Vocational Schools

Both the state vocational-technical schools and the area vocational education centers are operated by the Kentucky Department of Education. The state vocational-technical schools enroll persons full time who are at least 16 years of age and not in school. These students attend classes for six hours each day. The area vocational education centers are designed to accommodate high school students who are at least 15 years of age. The state vocational-technical schools and the area education centers offer evening courses to enable working adults to upgrade current job skills.

Area Education Centers

Location	Ballard County Area Vocational Education Center
	Barlow
Curriculum	Agriculture
	Auto Body Repair
	Auto Mechanics
	Carpentry
	Clerical
	Electricity
	Secretarial
Location	Fulton County Area Vocational Education Center
	Hickman
Curriculum	Auto Mechanics
	Business and Office
	Carpentry
	Electricity
	Welding
Location	Mayfield Area Vocational Education Center
	Mayfield
Curriculum	Accounting/Management
	Auto Body Repair
	Auto Mechanics
	Carpentry
	Clerical
	Electricity
	Health Services
	Machine Shop
	Secretarial
	Welding

The Purchase Training Center, also located in Mayfield, offers training in diesel and hydraulics mechanics.

Nearest State School

Location Curriculum	West Kentucky State Vocational Technical School
	Paducah Business and Office Accounting/Jr. Management Clerical Computer Science* Court and Conference Reporting Data Processing* Medical Secretary Secretarial Word Processing* Consumer and Home Economics Dietary Department Health Occupations Dental Assistant Dental Lab Technology Assistant* Dental Office Manager* Expanded Duties Dental Auxiliary* Medical Assistant Practical Nursing Radiology Respiratory Therapy Surgical Technician Industrial Education Air Conditioning and Refrigeration Auto Body Repair Auto Mechanics Carpentry Civil and Highway Technology Diesel Mechanics Electricity Electronics Graphic Arts Masonry Machine Shop Mechanical Shop Mechanical Drafting Welding Personal Services Occupations Barbering Cosmetology Learning Resource Center

Arrangements can be made to provide training in the specific production skills required by an industrial plant. Instruction may be conducted either in the vocational school or in the industrial plant, depending upon the desired arrangement and the availability of special equipment.

*Planned additions to the curriculum.

HEALTH

Local Medical Personnel

	<u>Physicians</u>	<u>Dentists</u>
Ballard County	4	4
Carlisle County	3	1
Hickman County	3	2
Fulton County	<u>6</u>	<u>4</u>
Total - 4-River County	16	11

Hospitals

<u>General Hospital</u>	<u>Location</u>	<u>Beds</u>
Fulton Hospital	Fulton, Kentucky	41
Hillview Hospital	Fulton, Kentucky	34
Clinton/Hickman County Hospital	Clinton, Kentucky	41
Western Baptist Hospital	Paducah, Kentucky	319
Lourdes Hospital	Paducah, Kentucky	329
Baptist Memorial Hospital	Union City, Tennessee	173

Fulton Hospital

General hospital facilities - Operating room, emergency room, X-ray, laboratory, pharmacy, respiratory therapy

Medical staff - Three medical doctors, six registered nurses, five licensed practical nurses

Hillview Hospital

General hospital facilities - Operating room, emergency room, X-ray, laboratory, EKG facilities

Medical staff - Three medical doctors, six registered nurses, five licensed practical nurses

Clinton/Hickman County Hospital*

General hospital facilities - Emergency room, laboratory, X-ray, and inhalation therapy unit

Medical staff - 6 doctors, 9 registered nurses, 5 graduate licensed practical nurses, 2 licensed practical nurses, 2 medical technicians, 1 laboratory technician

* A 46-bed extended care facility is also operated by the hospital.

Western Baptist Hospital

General hospital facilities - Emergency room with 24-hour coverage; anatomical pathology, clinical pathology, and heart catheterization laboratories; intensive care, coronary care, and progressive care units; OB/GYN and ultra-sound facilities; two delivery rooms; seven operating rooms; recovery room; pharmacy; respiratory therapy and physical therapy departments; X-ray department and cobalt and radiation therapy; electrocardiology and electroencephalography departments; and pediatric unit; vascular lab; general lab and histopathology services

Medical staff - 140 medical doctors and dentists, 156 registered nurses, 95 licensed practical nurses.

Lourdes Hospital*

General hospital facilities - Anesthesiology, electroencephalography, electrocardiography, emergency room, laboratory, operating room, recovery room, pharmacy, physical therapy, nuclear medicine, ultrasonography, computerized tomography full body scanner, respiratory therapy, renal dialysis unit, inpatient psychiatric unit, intensive care unit, coronary care unit, progressive care unit, respiratory care unit, pediatric unit, cardiac rehabilitation program, radiology, electromyography

Medical staff - 130 physicians and dentists, 258 registered nurses, 156 licensed practical nurses

Baptist Memorial Hospital

General hospital facilities - Intensive care unit, coronary care unit, emergency room, labor and delivery room, cardiac rehabilitation center, computerized tomography scanner, laboratory, radiology, pharmacy, physical therapy and respiratory therapy

Medical staff - 35 physicians, 70 registered nurses and 82 licensed practical nurses

Public Health

Facility - Hickman County Health Department

Staff - 1 nurse, 2 clerks, 1 health environmentalist (part time), 1 janitor (part time)

Facility - Fulton County Health Department

Staff - 4 registered nurses, 1 licensed practical nurse, 3 community health workers, 3 clerks, 1 environmentalist

* An expansion program, to be completed by 1985, is being planned at Lourdes Hospital. The program will add 62 beds, expand the intensive care and coronary care units, expand surgery suites and ambulatory surgery program, plus expansions to the physical therapy and vocational rehabilitation programs.

Facility - Ballard County Health Center

Staff - Full time: 1 registered nurse, 1 WIC clerk, administrator. Part time: 1 environmentalist, 1 health officer, 1 nutritionist, 1 community health worker, 2 janitors

Facility - Carlisle County Health Department

Staff - 1 registered nurse, 1 environmentalist, 1 clerk

All four county health facilities are members of the Purchase District Health Department. Through membership in the district health department each county health department is able to provide a wider range of services by sharing resources from other counties.

Ambulance Service

Name - Hickman County Ambulance Service

Staff - 6 attendants (2 are emergency medical technicians)

Service - 24-hour, county-wide

Equipment - 2 radio-dispatched ambulances, fully equipped

Name - Fulton Fire Department Municipal Ambulance Service

Staff - Ten emergency medical technicians (full time); four emergency medical technicians (part time)

Service - 24-hour; serving four counties in two states

Equipment - Three fully equipped ambulances

Name - City of Hickman Ambulance Service

Staff - 4 emergency medical technicians (full time), 1 emergency medical technician (part time)

Service - 24-hour, county-wide service

Equipment - One fully equipped ambulance; one back-up ambulance

Name - Carlisle County Emergency Ambulance Service

Staff - Two emergency medical technicians

Service - 24-hour, county wide

Equipment - Two fully equipped ambulances

Name - Ballard County Ambulance Service

Staff - Ten emergency medical technicians plus four drivers

Service - 24-hour, county-wide

Equipment - One fully equipped ambulance, one back-up ambulance

OTHER LOCAL FACILITIES

Communications

- Telephone - Three telephone companies provide service within the four-river county area. Continental Telephone Company of Kentucky serves the following cities: Arlington, Bardwell, and Columbus. Ballard Rural Telephone Cooperative Corporation, Inc., serves the cities of Barlow, Kevil, LaCenter, and Wickliffe. South Central Bell serves the cities of Hickman, Fulton, and Clinton.
- Telegraph - Western Union provides telegraph service to the entire four-river-county area through a toll free number, 1-800-325-5100.
- Newspapers -
 Daily and circulation - Fulton Daily Leader, Fulton - 2,924
 Weekly and circulation - Advance-Yeoman, Wickliffe - 3,376
 Carlisle County News, Bardwell - 2,130
 Hickman County Gazette, Clinton - 2,068
 Hickman Courier, Hickman - 3,376
- Radio - WFUL-AM, Fulton
 WWKF-FM, Fulton
 WBCE-AM, Wickliffe
- Cable Television - Bardwell, Barlow, Clinton, Fulton, Hickman, LaCenter and Wickliffe
- Kentucky Educational Television - Murray-Mayfield transmitter, Channel 21
- Postal Service - U.S. Post Office

	<u>Arlington</u>	<u>Bardwell</u>	<u>Barlow</u>
Class	Second	Second	Third
Mail received	Once daily	Once daily	Once daily
Mail dispatched	Once daily	Once daily	Once daily
	<u>Clinton</u>	<u>Columbus</u>	<u>Fulton</u>
Class	First	Third	First
Mail received	Once daily	Once daily	Twice daily
Mail dispatched	Twice daily	Once daily	Twice daily

	<u>Hickman</u>	<u>Kevil</u>	<u>LaCenter</u>
Class	Second	Second	Second
Mail received	Twice daily	Once daily	Once daily
Mail dispatched	Twice daily	Once daily	Once daily

	<u>Wickliffe</u>
Class	Second
Mail received	Once daily
Mail dispatched	Once daily

Financial Institutions

<u>Banks</u>	<u>Assets</u>	<u>Deposits</u>	<u>Statement Date</u>
Ballard County			
Citizens State Bank	\$ 23,048,304.53	\$ 20,523,624.02	12/31/82
First National Bank of LaCenter	16,723,390.27	15,149,191.89	12/31/82
The Kevil Bank	20,055,984.05	17,074,689.40	12/31/82
Carlisle County			
Bardwell Deposit Bank	22,840,050.20	20,744,807.79	12/31/82
Citizens Deposit Bank of Arlington	10,972,201.89	9,716,996.29	6/30/82
Hickman County			
Clinton Bank	17,188,559.70	14,939,839.05	12/31/82
First National Bank	12,886,442.44	11,417,320.38	12/31/82
Fulton County			
The Citizens Bank	19,680,496.20	17,454,288.53	12/31/82
City National Bank	46,517,152.22	42,468,521.12	12/31/82
Fulton Bank	25,639,423.00	23,128,840.00	12/31/82

<u>Savings & Loan Associations</u>	<u>Assets</u>	<u>Savings Accounts</u>	<u>Statement Date</u>
First Federal Savings & Loan Association of Paducah	\$112,313,868.94	\$106,549,401.58	12/31/82
Home Federal Savings & Loan Association of Paducah	133,227,972.74	111,143,763.52	12/31/82

First Federal Savings and Loan Association of Paducah operates branch offices in the cities of Clinton, Hickman and Fulton. Home Federal Savings and Loan Association of Paducah operates branch offices in the cities of La Center and Hickman.

Library Services

Hickman County Memorial Library (Clinton)

Size collection - 6,893 volumes

Circulation, 1981-82 - 8,921

Services - Bookmobile, film projector, tapes, historical volumes and encyclopedias, magazines, meeting room, and story hour

Hickman Public Library (a branch of the Fulton County Library Board)

Size collection - 39,963 volumes*

Circulation, 1980-81 - 70,363 (libraries), 37,987 (bookmobile); 108,350 (total)

Services - Bookmobile, magazines, movie projector, films, records, pictures, microfilm recorder-printer, reading program, story hour, book displays, meeting room, reference services, interlibrary loans, special programs for organizations upon request, services to shut-ins, copying services

Fulton-South Fulton Public Library (a branch of the Fulton County Library Board)

Size collection - 39,963 volumes*

Circulation, 1980-81 - 70,373 (libraries), 37,987 (bookmobile); 108,350 (total)

Services - Bookmobile, magazines, movie projector, films, records, pictures, microfilm recorder-printer, reading program, story hour, book displays, meeting room, reference services, interlibrary loans, special programs for organizations upon request, services to shut-ins, copying services

Ballard and Carlisle Counties are served by a bookmobile. The bookmobile route originates from the Carlisle County High School located in Bardwell.

* Includes the Hickman Public Library and the Fulton-South Fulton Public Library which are branches of the Fulton County Library Board.

Religious Institutions

All major denominations are represented within the four-county area.

Nearest Synagogues - Temple Israel (reform), Paducah, Kentucky
Jewish Center (reform), Union City, Tennessee

Hotels and Motels

	<u>Number</u>	<u>Rooms</u>
Ballard County	3	43
Carlisle County	0	0
Hickman County	0	0
Fulton County	<u>2</u>	<u>102</u>
Total - Four River Counties	5	145

RECREATION

Local

The **Ballard County Wildlife Management Area** offers an 8,400-acre paradise for hunters and fishermen. There are controlled hunting seasons on dove, squirrel, and water fowl. Easy access roads provide designated areas for picnicking and camping during the summer season. Some of the wild animals and fowl that might be seen are whitetail deer, wild turkeys and eagles. In addition, hunting and fishing are welcomed in many privately owned areas throughout the four counties.

A Confederate cannon, a network of earthen trenches, and a massive chain and anchor give the feeling of being transported back to the Civil War. All of this and more can be discovered at **Columbus-Belmont Battlefield State Park** at Columbus in west Hickman County. Other attractions at the 156-acre park include a 38-site campground, a gift shop, a historical hiking trail, miniature golf, a picnic area, and a playground. A visit to the museum at the park, which is in a building that served as a Civil War infirmary, offers a display of Civil War relics and early Indian artifacts and an audiovisual slide program on the Battle of Belmont.

Reelfoot Lake and the **Kentucky Bend** are located in southwest Fulton County. Reelfoot Lake is a 70-square-mile lake in Kentucky and Tennessee known for its fishing. Kentucky maintains a 2,000-acre wildlife area near the lake for hunting. The Kentucky Bend is land totally separated from the state by the Mississippi River.

Sections of several highways in the four river counties have been designated as part of the **Great River Road**, a scenic route which runs along the Mississippi River from Canada through ten states to the Gulf of Mexico.

Other local recreation facilities include four country clubs which offer golf, tennis and swimming. Also, the Mississippi River is a source of recreational activities including fishing and boating.

Area (Within 60 miles)

Charm and serenity exemplify **Kenlake State Resort Park** which is located on the 160,000-acre Kentucky Lake. The park offers hotel and cottage accommodations and an efficient camping site. Other facilities include a 9-hole golf course, pool and lake swimming, horseback riding, hiking trails, fishing, boating, picnicking, playgrounds, shuffleboard, planned recreation, and one of the finest tennis complexes in the area.

Kentucky Dam Village State Resort Park, located at Gilbertsville, is one of the largest and most popular vacation resorts in Kentucky. A modern lodge with 72 rooms, six different cottage types, and 225-site campground make up the accommodations. There is also a dining room overlooking the 160,000-acre Kentucky Lake, a coffee shop, a snack bar, two gift shops, a meeting room, an activities center, and a recreation room. Recreational activities to choose from include boating and fishing at the largest docking facility in the Kentucky parks system, golf at the 18-hole Village Green Course, hiking, horseback riding, picnicking, swimming at the lodge pool or off the sand beach, and tennis.

Lake Barkley State Resort Park, near Cadiz, is located on the scenic Little River embayment of the 58,000-acre Lake Barkley. The magnificent lodge includes 120 rooms, four suites, nine cottages, a dining room, a coffee shop, a gift shop, two meeting rooms, and a recreation room. An activities center with a capacity for 400 and an 80-site campground are located near the lodge. A lodge pool, a beach and a bathhouse, an 18-hole golf course, tennis courts, a riding stable, a trapshooting range, a basketball court, hiking trails, playgrounds, and a picnic area comprise the recreational facilities. The marina near the lodge has everything for the "boat lover," including covered and open slips, launching ramp, and rentals for fishing boats, skiing boats, and pleasure ride pontoons.

Kentucky Lake is one of the top fishing, water sport and recreational areas in the southeastern United States. The 184-mile-long lake, covering more than 160,300 total surface acres of water, was impounded from the Tennessee River in 1944 by the Tennessee Valley Authority.

Lake Barkley, "twin" to Kentucky Lake, is a 118-mile-long impoundment of the Cumberland River. The two lakes are connected by a 1 3/4-mile-long freeflowing canal at their northern ends. Lake Barkley is a major fishing and recreational area covering approximately 58,000 acres.

The Land Between the Lakes, located on a 170,000-acre wooded peninsula, is an outdoor recreational and conservational education center. Camping, swimming, fishing, boating, hiking, a buffalo herd on a 250-acre range, an Environmental Education Center for school study groups, an educational farm and a central station with films and displays are among the attractions.

HISTORY

Ballard County dates back to 1842 when it became Kentucky's 93rd county. Ballard County was named for Captain Bland W. Ballard, a native of Fredericksburg, Virginia, who migrated to Kentucky at the age of 18. He saw extensive military service under Generals George Rogers Clark, "Mad" Anthony Wayne, and William Henry Harrison.

Fort Jefferson was built by George Rogers Clark and 200 soldiers nearly four decades before settlers began arriving in Ballard County. The fort was located approximately five miles south of the confluence of the Ohio and Mississippi Rivers. During the Civil War, the fort was used by General U. S. Grant in some southern campaigns.

Carlisle County was formed from the southern part of Ballard County in 1886. The first settlers came into Carlisle County soon after the Chickasaw Indians moved west of the Mississippi River in compliance with the terms of the Treaty of Purchase in 1818. One of the oldest settlements was at Cunningham, in the northern part of the county, in 1820. Bardwell, the county seat, is near the center of Carlisle County and was chosen over the community of Arlington in the southern part of the county.

Hickman County, the 71st Kentucky county, dates back to 1821. The county was named for Captain Paschal Hickman, a native of Virginia who migrated to Kentucky as a small boy. He gained a reputation as an Indian fighter and was killed in the River Raisin Massacre in the War of 1812.

In 1861, Confederate forces moved into the area and established fortifications on a high bluff overlooking the Mississippi River near the city of Columbus. This is now the site of the Columbus-Belmont Battlefield State Park. Some of the old fortifications have been restored and a portion of the giant chain and anchor General Leonidas Polk stretched across the river to prevent passage of Union gunboats has been preserved.

Fulton County, formed from Hickman County, became Kentucky's 99th county in 1845. The county was named in honor of Robert Fulton, whose famous steamboat, the "Clermont," was the first commercially successful one in America. The city of Hickman was mentioned by Mark Twain in his Life on the Mississippi as one of the most beautiful towns along the river.

The town of Fulton lies on the Kentucky-Tennessee border. Until the mid-1960's it was the distribution center for 70 percent of all bananas brought into the United States. To celebrate this heritage, Fulton hosts the annual International Banana Festival.