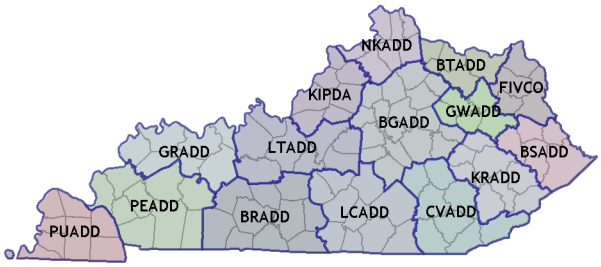
Kentucky



- 2010 census population of 4,339,367 (1,927,164 households) wi
- Projected 2020 population of 4,672,754 (change of 333,387).
- 63,913 miles of existing water lines.
- 13 new water treatment plants proposed in the next 10 years.
- 2,107 miles of line extensions proposed in the next 10 years.
- 1,438 miles of line rehabilitation proposed in the next 10 years.
- 357 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,895,972,057.
- Estimated funding needs for projects from 6 to 10 years: $192,327,109.
- Average age of structures: water treatment plants is 40 years; water tanks is 29 years.
- Total number of interconnected systems is 436.
- 3,036 miles of asbestos concrete pipe currently in use.
- 8,611 miles of water lines less than 15 years old.
- 18,464 miles of water lines between 15 and 30 years old.
- 17,321 miles of water lines between 31 and 50 years old.
- 9,630 miles of water lines between 51 and 70 years old.
- 3,247 miles of water lines greater than 70 years old.

Area Development District Demographic and Asset Condition Summary

Area Development District	2010 Population	2020 Population	Serviceable Population	Percent Serviceable	Planned Cost 0 to 10 Years
Bluegrass Area Development District	770,404	862,521	742,436	97%	$ 165,258,600
Barren River Area Development District	284,195	316,297	275,618	97%	$ 171,865,408
Big Sandy Area Development District	154,093	148,051	136,613	89%	$ 47,085,087
Buffalo Trace Area Development District	56,478	58,306	55,496	98%	$ 26,706,315
Cumberland Valley Area Development District	236,618	237,501	230,165	97%	$ 89,860,141
Five County Area Development District	137,884	139,098	131,642	95%	$ 93,296,990
Green River Area Development District	213,472	220,544	206,516	97%	$ 140,634,527
Gateway Area Development District	81,652	87,651	79,703	97%	$ 49,083,900
Kentuckiana Regional Planning and Development Agency	959,091	1,058,343	941,582	98%	$ 222,485,513
Kentucky River Area Development District	114,762	111,267	103,025	90%	$ 152,826,414
Lake Cumberland Area Development District	207,256	221,481	196,688	95%	$ 111,938,168
Lincoln Trail Area Development District	269,117	295,040	258,100	96%	$ 191,666,936
Northern Kentucky Area Development District	438,647	488,377	425,856	97%	$ 250,128,746
Pennyrile Area Development District	219,305	226,580	201,224	96%	$ 248,617,479
Purchase Area Development District	196,393	201,697	155,049	79%	$ 126,844,942
Demographic Totals	**4,339,367**	**4,672,754**	**4,139,713**	**96%**	**$ 2,088,299,166**

Area Development District	Average WTP Age (yrs)	Interconnected Systems	AC Pipe (mi)	Lines < 15 yrs (mi)	Lines 15 to 30 yrs (mi)	Lines 31 to 50 yrs (mi)	Lines 51 to 70 yrs (mi)	Lines > 70 yrs (mi)
Bluegrass Area Development District	46	60	537	925	3,068	2,120	1,202	1,216
Barren River Area Development District	44	40	181	557	1,765	2,939	1,661	20
Big Sandy Area Development District	37	19	62	806	783	36	4	0
Buffalo Trace Area Development District	38	19	103	383	943	383	154	34
Cumberland Valley Area Development District	38	36	29	487	2,259	506	251	135
FIVCO	37	18	47	290	909	1,003	18	123
Green River Area Development District	38	30	185	436	1,291	1,743	385	245
Gateway Area Development District	40	30	27	464	852	687	137	14
Kentuckiana Regional Planning & Devlopment Agency	23	14	118	79	218	690	1,007	47
Kentucky River Area Development District	27	20	45	1,141	951	444	40	0
Lake Cumberland Area Development District	42	23	56	637	2,719	2,040	138	168
Lincoln Tral Area Development District	50	27	101	1,054	1,045	921	1,559	49
Northern Kentucky Area Development District	38	24	45	419	974	1,598	286	271
Pennyrile Area Development District	46	56	849	754	478	1,623	1,962	529
Purchase Area Development District	38	20	651	179	209	588	826	396

Asset Condition Averages and Totals:	**40**	**436**	**3,036**	**8,611**	**18,464**	**17,321**	**9,630**	**3,247**

Kentucky Infrastructure Authority
January 04, 2019

Percent Increase in Households Serviceable by Public Water Systems from 2000 to 2010

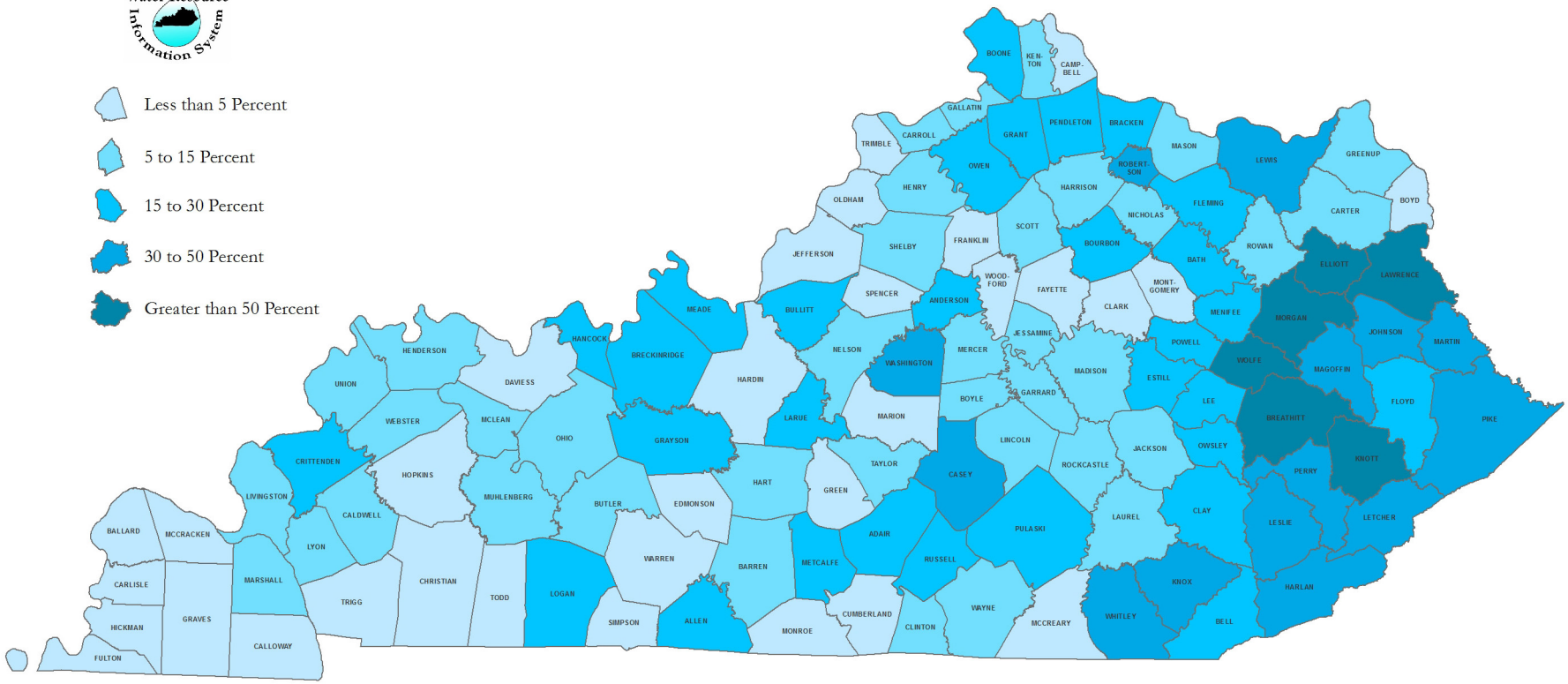
Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

February, 2015

Water Resource Information System

- Less than 5 Percent
- 5 to 15 Percent
- 15 to 30 Percent
- 30 to 50 Percent
- Greater than 50 Percent



Kentucky Infrastructure Authority
January 04, 2019

Percent of Households Serviceable by Public Water Systems in 2010

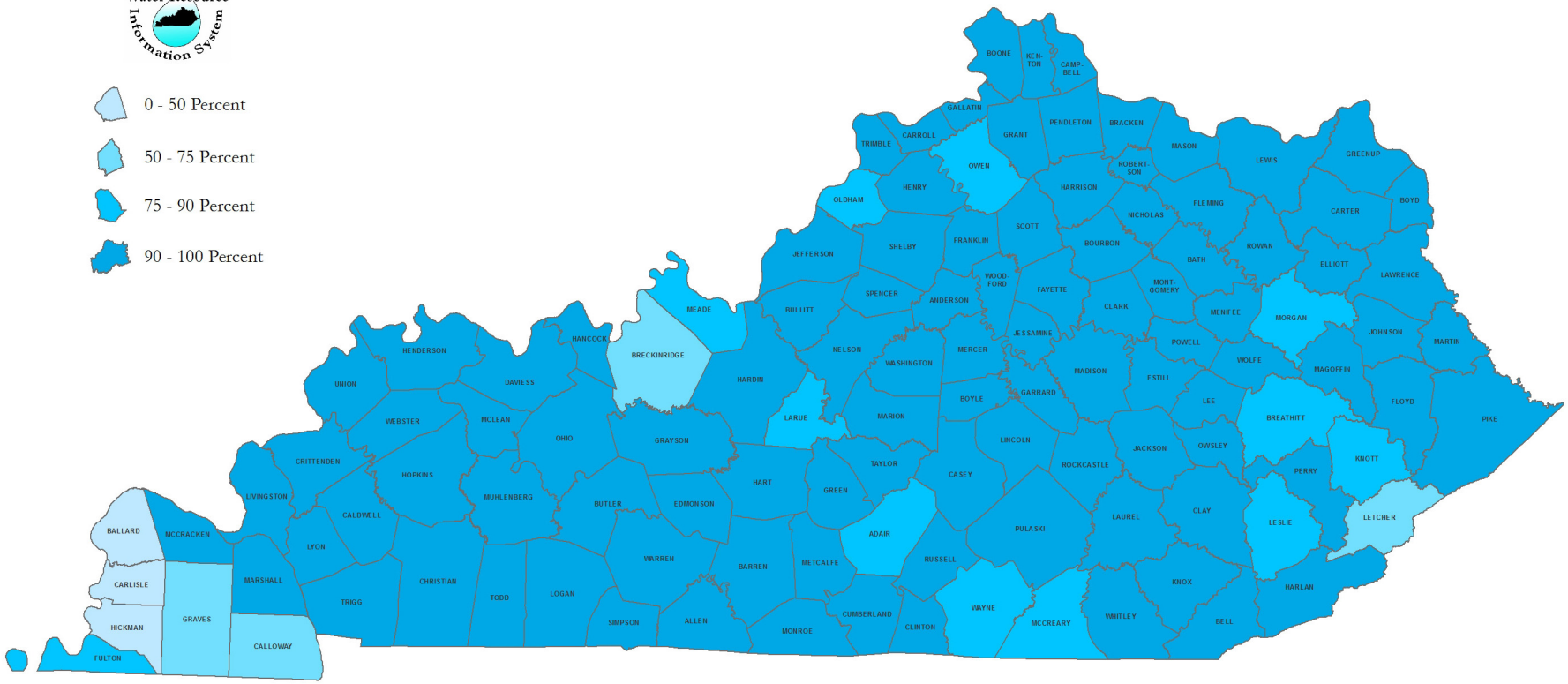
Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

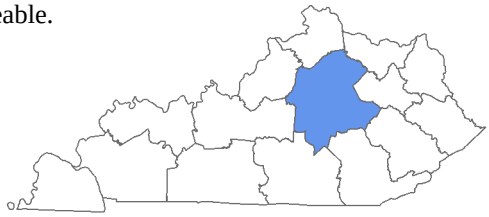
February, 2015

Water Resource Information System

- 0 - 50 Percent
- 50 - 75 Percent
- 75 - 90 Percent
- 90 - 100 Percent



Bluegrass Area Development District (BGADD)



- 2010 census population of 770,404 (340,939 households) with 97% serviceable.
- Projected 2020 population of 862,521 (change of 92,117).
- 8,926.84 miles of existing water lines.
- 68.00 miles of line extensions proposed in the next 10 years.
- 85.00 miles of line rehabilitation proposed in the next 10 years.
- 27.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $147,945,280.
- Estimated funding needs for projects from 6 to 10 years: $17,313,320.
- Average age of structures: water treatment plants is 46 years; water tanks is 32 years.
- Total number of interconnected systems is 60.
- 537 miles of asbestos concrete pipe currently in use.
- 925 miles of water lines less than 15 years old.
- 3,068 miles of water lines between 15 and 30 years old.
- 2,120 miles of water lines between 31 and 50 years old.
- 1,202 miles of water lines between 51 and 70 years old.
- 1,216 miles of water lines greater than 70 years old.

Bluegrass Area Development District has a 2010 census population count of 770,404 (340,939 households) with a projected 2020 population count of 862,521 (355,488 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 182 serviceable households will be added through the construction of 68.00 miles of water line extensions and approximately 92,892 instances of improved service through the rehabilitation of 85.00 miles of existing water lines and other appurtenances. 27.00 miles of transmission lines are also proposed within this district.

County Summary for Bluegrass Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Anderson	21,421	9,127	23,555	9,582	9,106	100%	$ 1,870,000
Bourbon	19,985	8,927	20,530	8,478	8,792	99%	$ 2,784,000
Boyle	28,432	12,312	29,048	11,782	12,265	100%	$ 18,126,427
Clark	35,613	15,706	37,985	15,800	15,487	99%	$ 11,051,479
Estill	14,672	6,865	14,359	6,115	6,707	98%	$ 3,906,383
Fayette	295,803	135,160	334,733	141,152	126,154	93%	$ 3,103,960
Franklin	49,285	23,164	50,777	21,761	23,081	100%	$ 32,518,000
Garrard	16,912	7,463	19,122	7,917	7,370	99%	$ 690,460
Harrison	18,846	8,208	19,640	8,006	8,150	99%	$ 2,054,000
Jessamine	48,586	19,331	58,928	22,184	19,288	100%	$ 19,283,928
Lincoln	24,742	10,819	26,170	10,762	10,586	98%	$ 13,955,281
Madison	82,916	35,043	95,333	38,093	34,882	100%	$ 25,914,129
Mercer	21,331	9,941	21,810	9,299	9,901	100%	$ 1,100,000
Nicholas	7,135	3,261	7,411	3,012	3,181	98%	$ 13,500,000
Powell	12,613	5,598	12,319	4,860	5,521	99%	$ 3,937,553
Scott	47,173	19,303	63,984	25,538	18,811	98%	-
Woodford	24,939	10,711	26,817	11,147	10,349	97%	$ 11,463,000
Totals	**770,404**	**340,939**	**862,521**	**355,488**	**329,631**	**97%**	**$ 165,258,600**

Kentucky Infrastructure Authority
January 04, 2019

EXISTING & PROPOSED WATER LINES

BGADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Community Water Systems in Bluegrass Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0030239	Lawrenceburg Water & Sewer Department	Anderson	14,749	6,323
KY0030660	South Anderson Water District	Anderson	6,358	2,660
KY0090287	Kentucky American Water - Millersburg	Bourbon	946	482
KY0090322	North Middletown Water Department	Bourbon	1,051	450
KY0090343	Paris Water Works	Bourbon	12,224	5,535
KY0110097	Danville City Water Works	Boyle	23,575	10,432
KY0110345	Parksville Water District	Boyle	3,974	1,717
KY0250981	East Clark County Water District	Clark	6,173	2,669
KY0250473	Winchester Municipal Utilities	Clark	25,165	11,123
KY0330123	Estill County Water District #1	Estill	9,374	4,254
KY0330205	Irvine Municipal Utilities	Estill	4,642	2,283
KY0340250	Kentucky-American Water Company	Fayette	299,454	137,584
KY0370137	Elkhorn Water District	Franklin	1,493	633
KY0370128	Farmdale Water District	Franklin	6,252	2,468
KY0370143	Frankfort Plant Board	Franklin	36,733	18,072
KY0370346	Peaks Mill Water District	Franklin	2,879	1,254
KY0400151	Garrard County Water Association	Garrard	13,109	5,668
KY0400233	Lancaster Water Works	Garrard	3,932	1,841
KY0490096	Cynthiana Municipal Water Works	Harrison	6,667	3,084
KY0490179	Harrison County Water Association	Harrison	13,824	5,828
KY0570214	Jessamine County Water District #1	Jessamine	4,139	1,666
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	7,602	2,954
KY0570315	Nicholasville Utilities	Jessamine	31,401	12,888
KY0570010	Wilmore Water Works	Jessamine	6,428	2,210
KY0690089	Crab Orchard Water Works	Lincoln	1,215	576
KY0690203	Hustonville Water Works	Lincoln	4,100	1,800
KY0690278	McKinney Water District	Lincoln	4,274	1,841
KY0690417	Stanford Water Commission	Lincoln	7,870	3,358
KY0760030	Berea Municipal Utilities	Madison	10,521	4,370
KY0760672	Kirksville Water Association	Madison	4,403	1,830
KY0760224	Madison County Utilities District	Madison	24,989	10,382
KY0760370	Richmond Water, Gas & Sewer	Madison	31,500	13,667
KY0760407	Southern Madison Water District	Madison	10,942	4,548
KY0840048	Burgin Water Department	Mercer	1,041	467
KY0840180	Harrodsburg Municipal Water Department	Mercer	8,284	3,970
KY0840587	Lake Village Water Association	Mercer	4,355	2,094
KY0840321	North Mercer Water District	Mercer	9,798	4,128
KY0910065	Carlisle Water Department	Nicholas	2,064	1,065
KY0910314	Nicholas County Water District	Nicholas	3,478	1,512
KY0990074	Clay City Water System	Powell	1,638	747
KY0990357	Powells Valley Water District	Powell	5,739	2,586
KY0990418	Stanton Water Commission	Powell	5,398	2,316
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	33,076	13,694
KY1200283	Midway Municipal Water Works	Woodford	1,733	757
KY1200310	Northeast Woodford County Water District	Woodford	2,292	988

Community Water Systems in Bluegrass Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1200411	South Woodford County Water District	Woodford	3,763	1,638
KY1200439	Versailles Municipal Water	Woodford	14,351	6,102
		Totals:	738,968	328,514

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239035	Versailles - Water Treatment Plant Improvements - Generators	0-2 Years	Not Funded	$3,375,500	Woodford	1	1
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	$4,634,160	Jessamine	2	1
WX21151061	SMWD - Madison County Airport - Waterline Extension Project	0-2 Years	Not Funded	$529,600	Madison	3	1
WX21017021	Paris Water Treatment Plant Improvements	0-2 Years	Not Funded	$1,500,000	Bourbon	4	1
WX21065009	ECWD - Phase 11 - System Improvements / Unaccounted for Water Re	0-2 Years	Not Funded	$1,080,000	Estill	5	1
WX21137017	McKinney WD - Phase 1 Water Improvements Project	0-2 Years	Partially Funded	$1,718,115	Lincoln	6	1
WX21021010	Danville - Perryville Standpipe Replacement and Water Main	0-2 Years	Not Funded	$4,918,257	Boyle	7	2
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Fully Funded	$4,000,000	Franklin	8	5
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	$1,750,000	Clark	9	4
WX21197017	CLAY CITY BUSINESS PARK WATER EXTENSION PROJECT	0-2 Years	Not Funded	$107,055	Powell	10	3
WX21151040	Berea Utilities - Owsley Fork Reservior (Red Lick Creek MPS No. 1) Rehabilitation	0-2 Years	Partially Funded	$13,259,000	Madison	11	6
WX21065008	ECWD - Master Meter Relocation and River Crossing	0-2 Years	Not Funded	$688,512	Estill	12	5
WX21065007	ECWD/Beattyville Emergency Regional Interconnect	0-2 Years	Not Funded	$818,421	Estill	13	7
WX21079015	Lancaster - New Water Treatment Plant	0-2 Years	Over Funded	$11,000,000	Garrard	14	8
WX21005007	South Main Street Water Line Replacement	0-2 Years	Not Funded	$1,100,000	Anderson	15	2
WX21137047	Waynesburg Water Line Replacement (KY HWY 328)	0-2 Years	Not Funded	$85,000	Lincoln	16	5
WX21079020	GCWA - Water Systems Improvements Project	0-2 Years	Not Funded	$3,887,000	Garrard	17	7
WX21151022	Boonesboro 500,000 Gallon Elevated Tank Madison County Utilities District	3-5 Years	Not Funded	$1,284,500	Madison	18	5
WX21065005	Water Plant Modernization	0-2 Years	Fully Funded	$5,732,000	Estill	19	6
WX21113037	Wilmore Elevated Storage Tank Rehabilitation	0-2 Years	Not Funded	$370,000	Jessamine	20	3
WX21065006	ECWD - Meter Purchase and Replacement Project	0-2 Years	Not Funded	$1,319,450	Estill	21	2
WX21197008	Powells Valley Beechfork Pump Station Replacement Project	0-2 Years	Not Funded	$213,200	Powell	22	4
WX21167017	Lake Village Water Association - Contract 14 Water Main West Zone Upgrades	0-2 Years	Not Funded	$1,100,000	Mercer	23	1
WX21021030	Parksville Water District - KY 34 Pump Station Replacement Project	0-2 Years	Not Funded	$1,415,000	Boyle	24	6
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	25	8
WX21097019	West End Water System Improvements	0-2 Years	Not Funded	$1,157,000	Harrison	26	4
WX21137049	City of Crab Orchard - Deepwell Woods Road Water Line and J&V Water Line	0-2 Years	Not Funded	$443,700	Lincoln	27	4
WX21239034	Versailles - Water Distribution System Improvements - Low Pressu	0-2 Years	Not Funded	$1,314,500	Woodford	28	2
WX21021026	Danville - Corporate Drive Water Main Extension Project	0-2 Years	Not Funded	$2,269,170	Boyle	29	3
WX21113033	Jessamine County Water District #1 Sussex Estates Water Line Upgrade	0-2 Years	Not Funded	$475,000	Jessamine	30	4
WX21239023	Woodford County Germany, Shore Acres, Foraker, Watts Ferry & Hippe Agee Project	3-5 Years	Not Funded	$1,254,000	Woodford	31	3
WX21239015	South Woodford Water District - Cummins Ferry Water Line Replace	0-2 Years	Not Funded	$412,000	Woodford	32	4

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151052	Spring Lake Tank Painting	0-2 Years	Not Funded	$136,000	Madison	33	7
WX21049041	ECWD - KY 89, Morris Road, and Patrick Lane Water System Upgrade	0-2 Years	Not Funded	$1,839,000	Clark	34	2
WX21017012	City of Paris Creek Crossing Pipe Replacement Under Houston and Stoner Creeks.	0-2 Years	Not Funded	$294,000	Bourbon	35	2
WX21113035	JCWD #1 - Vincewood and Carolyn Lane Water Line Upgrades	0-2 Years	Not Funded	$1,451,790	Jessamine	36	2
WX21049040	Winchester - Lincoln Street Redevelopment Project - Water	0-2 Years	Not Funded	$72,231	Clark	37	3
WX21017023	Paris to Kentucky American Water System Connection	0-2 Years	Not Funded	$90,000	Bourbon	38	3
WX21239018	Frankfort Plant Board Buck Run Road Water Line Extension	0-2 Years	Not Funded	$106,000	Woodford	39	6
WX21151056	Kirksville Water Association - Welchwood Master Meter Connection	0-2 Years	Not Funded	$189,500	Madison	40	9
			Total Cost:	**$78,068,661**			

Anderson County

- 2010 census population of 21,421 (9,127 households) with 100% serviceable.
- Projected 2020 population of 23,555 (change of 2,134).
- Anderson County has 401.99 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,870,000.
- There are no projects planned from 6 to 10 years.

Anderson County has a 2010 census population count of 21,421 (9,127 households) with a projected 2020 population count of 23,555 (9,582 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2,507 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Lawrenceburg	1	$1,100,000	-	2,500	-	1.00	-
Farmdale Water District	1	$770,000	-	7	-	-	-
Totals:	**2**	**$1,870,000**	**-**	**2,507**	**-**	**1.00**	**-**

Community Drinking Water Systems in Anderson County

Note: Serviceability counts are for households within Anderson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0030239	Lawrenceburg Water & Sewer Department	Anderson	14,744	6,321
KY0030660	South Anderson Water District	Anderson	6,293	2,633
KY0370128	Farmdale Water District	Franklin	110	49
KY0840321	North Mercer Water District	Mercer	90	40
KY1060436	US 60 Water District	Shelby	125	59
		Totals:	21,362	9,102

Kentucky Infrastructure Authority
January 04, 2019

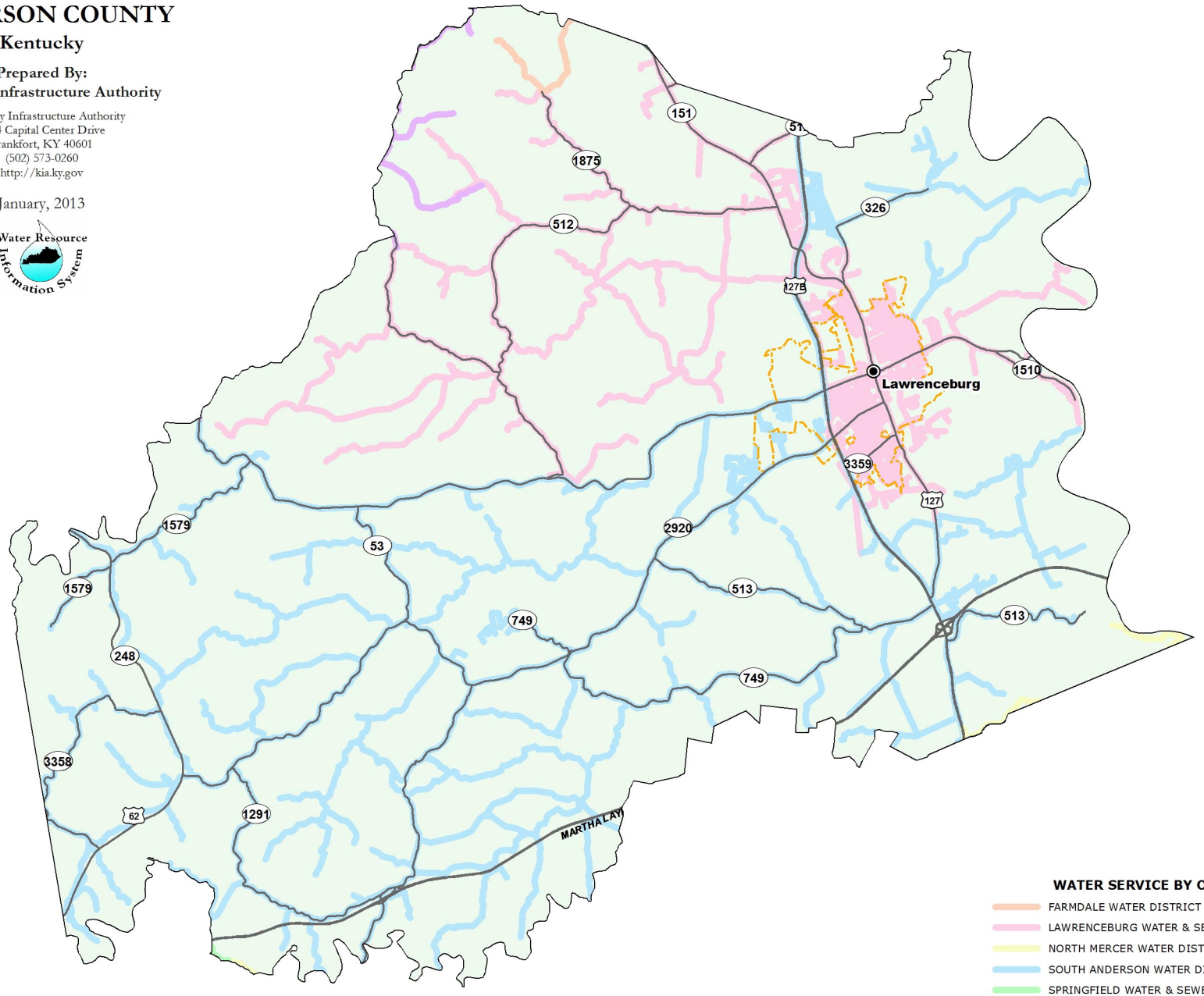
WATER SERVICE AREAS
ANDERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Lawrenceburg Water & Sewer Department

PWSID	KY0030239	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	28	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$26.51 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$26.51 per 4,000 gallons.	Total Connections	6,715
Residential Customers	5,826	Total Produced (MG)	708.561
Commercial Customers	340	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	488.637
Industrial Customers	12	Total Wholesale Sold (MG)	85.700
Wholesale Customers	1	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 166.59 miles (Distribution: 166.27 miles, Transmission: 0.33 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lawrenceburg Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21005007	South Main Street Water Line Replacement	0-2 Years	Not Funded	$1,100,000	Anderson	15	2

System Summary for South Anderson Water District

PWSID	KY0030660	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$39.51 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,961
Residential Customers	2,827	Total Produced (MG)	-
Commercial Customers	64	Total Purchased (MG)	190.504
Institutional Customers	-	Total Inside Usage (MG)	185.296
Industrial Customers	-	Total Wholesale Sold (MG)	32.120
Wholesale Customers	1	Estimated Pct. Water Loss	-14%

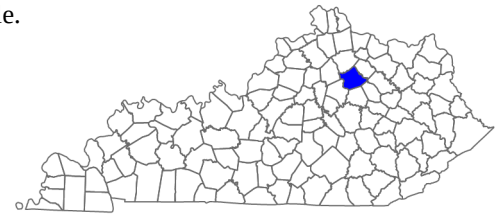
Total Distribution System Line Length = 224.43 miles (Distribution: 224.43 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for South Anderson Water District

Bourbon County

- 2010 census population of 19,985 (8,927 households) with 99% serviceable.
- Projected 2020 population of 20,530 (change of 545).
- Bourbon County has 384.46 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,484,000.
- Estimated funding needs for projects from 6 to 10 years: $300,000.



Bourbon County has a 2010 census population count of 19,985 (8,927 households) with a projected 2020 population count of 20,530 (8,478 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 5,565 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Paris	4	$2,384,000	-	5,558	-	-	-
Judy Water Association Inc	2	$400,000	-	7	-	1.00	-
Totals:	**6**	**$2,784,000**	**-**	**5,565**	**-**	**1.00**	**-**

Community Drinking Water Systems in Bourbon County

Note: Serviceability counts are for households within Bourbon county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0090287	Kentucky American Water - Millersburg	Bourbon	926	475
KY0090322	North Middletown Water Department	Bourbon	1,045	448
KY0090343	Paris Water Works	Bourbon	12,224	5,535
KY0340250	Kentucky-American Water Company	Fayette	2,092	863
KY0490179	Harrison County Water Association	Harrison	1,687	742
KY0870147	Judy Water Association	Montgomery	1,614	705
KY0910314	Nicholas County Water District	Nicholas	59	24
		Totals:	19,647	8,792

Kentucky Infrastructure Authority
January 04, 2019

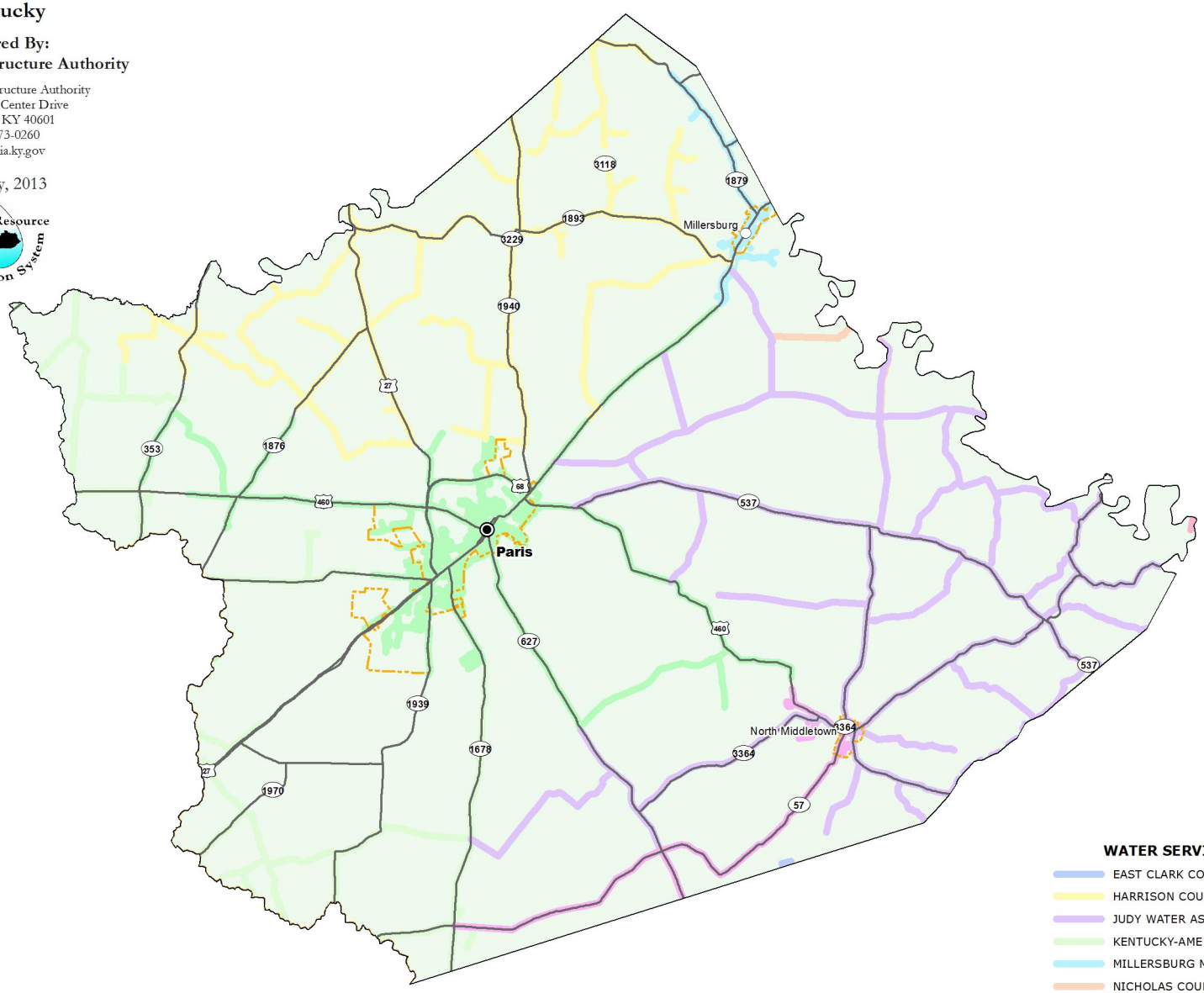
WATER SERVICE AREAS
BOURBON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- EAST CLARK COUNTY WATER DISTRICT
- HARRISON COUNTY WATER ASSOCIATION
- JUDY WATER ASSOCIATION
- KENTUCKY-AMERICAN WATER COMPANY
- MILLERSBURG MUNICIPAL WATER WORKS
- NICHOLAS COUNTY WATER DISTRICT
- NORTH MIDDLETOWN WATER DEPARTMENT
- PARIS WATER WORKS
- SHARPSBURG WATER DISTRICT

System Summary for Kentucky American Water - Millersburg

PWSID	KY0090287	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$36.57 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$36.57 per 4,000 gallons.	Total Connections	381
Residential Customers	357	Total Produced (MG)	39.055
Commercial Customers	23	Total Purchased (MG)	47.309
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	0.247
Wholesale Customers	2	Estimated Pct. Water Loss	100%
Total Distribution System Line Length = 14.52 miles (Distribution: 14.39 miles, Transmission: 0.13 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Kentucky American Water - Millersburg

System Summary for North Middletown Water Department

PWSID	KY0090322	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	400
Residential Customers	389	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	65.442
Institutional Customers	-	Total Inside Usage (MG)	22.678
Industrial Customers	-	Total Wholesale Sold (MG)	38.207
Wholesale Customers	1	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 22.68 miles (Distribution: 22.68 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for North Middletown Water Department

System Summary for Paris Water Works

PWSID	KY0090343	Treats Water	Yes, 1 plant with total capacity of 3.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	13	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$12.80 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$17.92 per 4,000 gallons.	Total Connections	5,111
Residential Customers	4,366	Total Produced (MG)	803.000
Commercial Customers	745	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	717.055
Industrial Customers	-	Total Wholesale Sold (MG)	51.107
Wholesale Customers	2	Estimated Pct. Water Loss	4%
Total Distribution System Line Length = 123.53 miles (Distribution: 122.59 miles, Transmission: 0.94 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Paris Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21017021	Paris Water Treatment Plant Improvements	0-2 Years	Not Funded	$1,500,000	Bourbon	4	1
WX21017012	City of Paris Creek Crossing Pipe Replacement Under Houston and Stoner Creeks.	0-2 Years	Not Funded	$294,000	Bourbon	35	2
WX21017023	Paris to Kentucky American Water System Connection	0-2 Years	Not Funded	$90,000	Bourbon	38	3
WX21017014	City of Paris Water Valve Replacement Phase I	3-5 Years	Not Funded	$500,000	Bourbon		

Boyle County

- 2010 census population of 28,432 (12,312 households) with 100% serviceable.
- Projected 2020 population of 29,048 (change of 616).
- Boyle County has 431.86 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 14.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $18,126,427.
- There are no projects planned from 6 to 10 years.

Boyle County has a 2010 census population count of 28,432 (12,312 households) with a projected 2020 population count of 29,048 (11,782 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 4,004 instances of improved service through the rehabilitation of 14.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Danville	4	$10,987,427	-	310	6.00	-	-
City of Springfield	1	$330,000	-	-	-	-	-
Lake Village Water Association Inc	1	$1,100,000	-	27	-	1.00	-
Parksville Water District	9	$5,709,000	-	3,667	-	13.00	4.00
Totals:	**15**	**$18,126,427**	**-**	**4,004**	**6.00**	**14.00**	**4.00**

Community Drinking Water Systems in Boyle County

Note: Serviceability counts are for households within Boyle county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0110097	Danville City Water Works	Boyle	23,150	10,238
KY0110345	Parksville Water District	Boyle	3,796	1,632
KY0400151	Garrard County Water Association	Garrard	24	11
KY0690203	Hustonville Water Works	Lincoln	36	12
KY0840587	Lake Village Water Association	Mercer	1,310	356
KY0840321	North Mercer Water District	Mercer	29	12
		Totals:	28,345	12,261

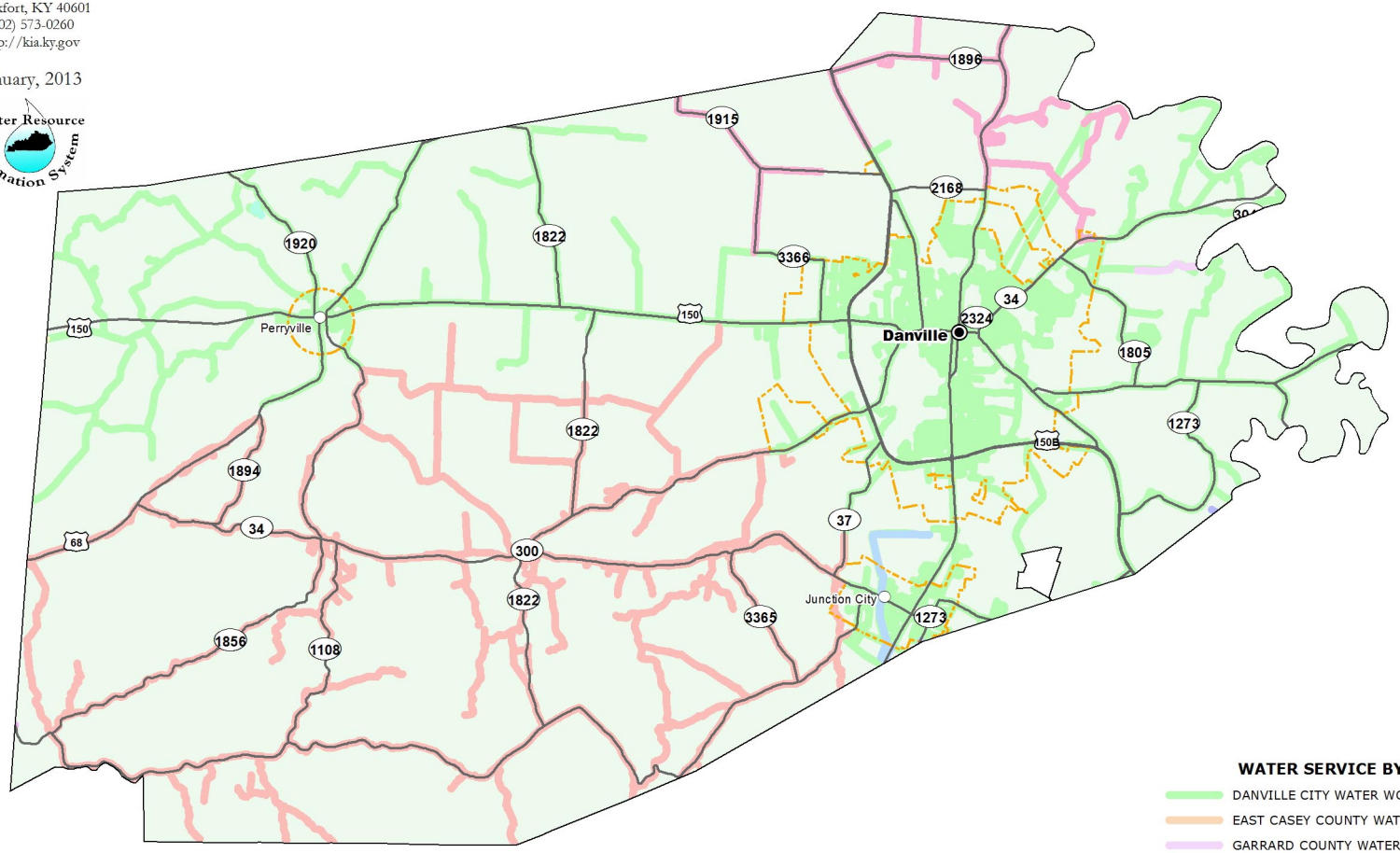
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
BOYLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



System Summary for Danville City Water Works

PWSID	KY0110097	Treats Water	Yes, 1 plant with total capacity of 10.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	13	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	$19.80 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$22.32 per 4,000 gallons.	Total Connections	10,910
Residential Customers	10,172	Total Produced (MG)	1,875.596
Commercial Customers	933	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	887.274
Industrial Customers	16	Total Wholesale Sold (MG)	416.262
Wholesale Customers	5	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 281.28 miles (Distribution: 271.27 miles, Transmission: 10.01 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Danville City Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21021010	Danville - Perryville Standpipe Replacement and Water Main	0-2 Years	Not Funded	$4,918,257	Boyle	7	2
WX21021026	Danville - Corporate Drive Water Main Extension Project	0-2 Years	Not Funded	$2,269,170	Boyle	29	3
WX21021011	East Boyle County Water Tank	3-5 Years	Not Funded	$3,000,000	Boyle		
WX21021012	Danville Automatic Meter Read System Implementation	3-5 Years	Not Funded	$800,000	Boyle		

Boyle County (continued)

System Summary for Parksville Water District

PWSID	KY0110345	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$50.11 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,606
Residential Customers	1,570	Total Produced (MG)	-
Commercial Customers	9	Total Purchased (MG)	108.000
Institutional Customers	-	Total Inside Usage (MG)	67.881
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%

Total Distribution System Line Length = 136.77 miles (Distribution: 136.77 miles, Transmission: 0.00 miles).

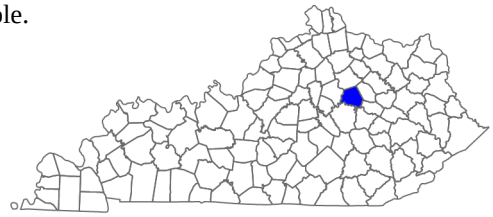
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Parksville Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21021010	Danville - Perryville Standpipe Replacement and Water Main	0-2 Years	Not Funded	$4,918,257	Boyle	7	2
WX21021030	Parksville Water District - KY 34 Pump Station Replacement Project	0-2 Years	Not Funded	$1,415,000	Boyle	24	6
WX21021029	PWD Forkland Area Tank Project	0-2 Years	Not Funded	$1,800,000	Boyle		
WX21021023	Parksville Water District New Radio Read Metering System	0-2 Years	Not Funded	$500,000	Boyle		
WX21021025	Parksville Water District Water Line Replacement Phase 3	0-2 Years	Not Funded	$476,000	Boyle		
WX21021018	Parksville WD Waterline Replacement Phase 1	0-2 Years	Not Funded	$440,000	Boyle		
WX21021019	Parksville Water Department Water Line Replacement Phase 4	0-2 Years	Not Funded	$428,000	Boyle		
WX21021032	PWD Storage Tank Rehabilitation	3-5 Years	Not Funded	$393,000	Boyle		
WX21021027	PWD Tennessee Ridge Upgrade	0-2 Years	Not Funded	$130,000	Boyle		
WX21021021	Parksville Water District Water Line Replacement Phase 2	0-2 Years	Not Funded	$127,000	Boyle		

Clark County

- 2010 census population of 35,613 (15,706 households) with 99% serviceable.
- Projected 2020 population of 37,985 (change of 2,372).
- Clark County has 449.25 miles of existing water lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,006,959.
- Estimated funding needs for projects from 6 to 10 years: $5,044,520.



Clark County has a 2010 census population count of 35,613 (15,706 households) with a projected 2020 population count of 37,985 (15,800 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 23 serviceable households will be added through the construction of 9.00 miles of water line extensions and approximately 648 instances of improved service through the rehabilitation of 4.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
East Clark County Water District	1	$1,839,000	-	71	-	3.00	-
Winchester Municipal Utilities Commission	8	$9,212,479	23	577	9.00	1.00	1.00
Totals:	**9**	**$11,051,479**	**23**	**648**	**9.00**	**4.00**	**1.00**

Community Drinking Water Systems in Clark County

Note: Serviceability counts are for households within Clark county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0250981	East Clark County Water District	Clark	6,145	2,658
KY0250473	Winchester Municipal Utilities	Clark	25,165	11,123
KY0340250	Kentucky-American Water Company	Fayette	3,283	1,474
KY0870147	Judy Water Association	Montgomery	449	181
KY0870367	Reid Village Water District	Montgomery	115	45
		Totals:	35,157	15,481

Kentucky Infrastructure Authority
January 04, 2019

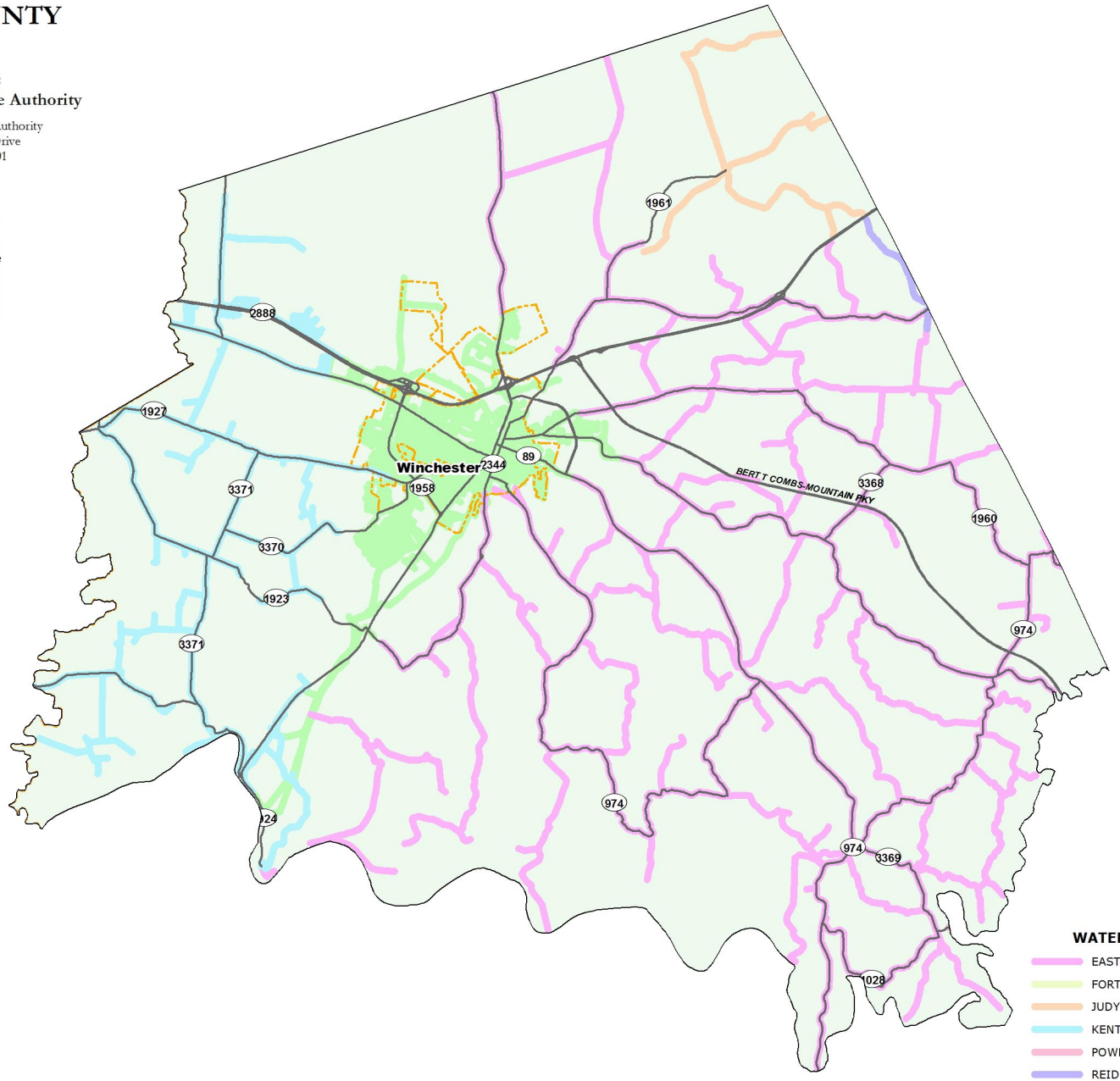
WATER SERVICE AREAS
CLARK COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for East Clark County Water District

PWSID	KY0250981	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$47.22 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,460
Residential Customers	2,401	Total Produced (MG)	-
Commercial Customers	19	Total Purchased (MG)	127.148
Institutional Customers	-	Total Inside Usage (MG)	111.510
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 202.47 miles (Distribution: 202.47 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for East Clark County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	$1,750,000	Clark	9	4
WX21049041	ECWD - KY 89, Morris Road, and Patrick Lane Water System Upgrade	0-2 Years	Not Funded	$1,839,000	Clark	34	2

System Summary for Winchester Municipal Utilities

PWSID	KY0250473	Treats Water	Yes, 1 plant with total capacity of 5.320 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	75	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$24.61 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$32.21 per 4,000 gallons.	Total Connections	11,670
Residential Customers	10,911	Total Produced (MG)	1,638.000
Commercial Customers	810	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	928.878
Industrial Customers	51	Total Wholesale Sold (MG)	146.614
Wholesale Customers	2	Estimated Pct. Water Loss	34%

Total Distribution System Line Length = 162.30 miles (Distribution: 157.89 miles, Transmission: 4.41 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Winchester Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	$1,750,000	Clark	9	4
WX21049040	Winchester - Lincoln Street Redevelopment Project - Water	0-2 Years	Not Funded	$72,231	Clark	37	3
WX21049009	Colby Road/Lexington Road Waterline Connector	6-10 Years	Not Funded	$3,795,000	Clark		
WX21049035	Veterans Highway Water Transmission	6-10 Years	Not Funded	$1,249,520	Clark		
WX21049039	WMU - Van Meter Road Water Main	0-2 Years	Not Funded	$1,123,720	Clark		
WX21049022	Boone Avenue / Colby Road / McClure Road Water System Improvements	3-5 Years	Not Funded	$550,000	Clark		
WX21049014	Elevated Pressure Zone No. 3	3-5 Years	Not Funded	$422,000	Clark		
WX21049016	WATER WORKS ROAD WATER SYSTEM IMPROVEMENTS	0-2 Years	Not Funded	$250,008	Clark		

Estill County

- 2010 census population of 14,672 (6,865 households) with 98% serviceable.
- Projected 2020 population of 14,359 (change of -313).
- Estill County has 342.19 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,906,383.
- There are no projects planned from 6 to 10 years.

Estill County has a 2010 census population count of 14,672 (6,865 households) with a projected 2020 population count of 14,359 (6,115 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12,500 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Estill County Water District #1	4	$3,906,383	-	12,500	1.00	-	-
Totals:	**4**	**$3,906,383**	**-**	**12,500**	**1.00**	**-**	**-**

Community Drinking Water Systems in Estill County

Note: Serviceability counts are for households within Estill county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0330123	Estill County Water District #1	Estill	9,292	4,209
KY0330205	Irvine Municipal Utilities	Estill	4,642	2,283
KY0550209	Jackson County Water Association Inc	Jackson	33	15
KY0990357	Powells Valley Water District	Powell	400	200
		Totals:	14,367	6,707

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
ESTILL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System

WATER SERVICE BY OWNER

- ESTILL COUNTY WATER DISTRICT #1
- IRVINE MUNICIPAL UTILITIES
- JACKSON COUNTY WATER ASSOCIATION INC
- POWELLS VALLEY WATER DISTRICT

System Summary for Estill County Water District #1

PWSID	KY0330123	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$41.84 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,812
Residential Customers	3,600	Total Produced (MG)	-
Commercial Customers	200	Total Purchased (MG)	258.123
Institutional Customers	-	Total Inside Usage (MG)	159.847
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	38%

Total Distribution System Line Length = 278.43 miles (Distribution: 278.43 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Estill County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21065009	ECWD - Phase 11 - System Improvements / Unaccounted for Water Re	0-2 Years	Not Funded	$1,080,000	Estill	5	1
WX21065008	ECWD - Master Meter Relocation and River Crossing	0-2 Years	Not Funded	$688,512	Estill	12	5
WX21065007	ECWD/Beattyville Emergency Regional Interconnect	0-2 Years	Not Funded	$818,421	Estill	13	7
WX21065006	ECWD - Meter Purchase and Replacement Project	0-2 Years	Not Funded	$1,319,450	Estill	21	2

System Summary for Irvine Municipal Utilities

PWSID	KY0330205	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$29.08 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$34.68 per 4,000 gallons.	Total Connections	2,552
Residential Customers	1,813	Total Produced (MG)	506.452
Commercial Customers	164	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	148.484
Industrial Customers	1	Total Wholesale Sold (MG)	257.729
Wholesale Customers	1	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 53.68 miles (Distribution: 53.62 miles, Transmission: 0.05 miles).			

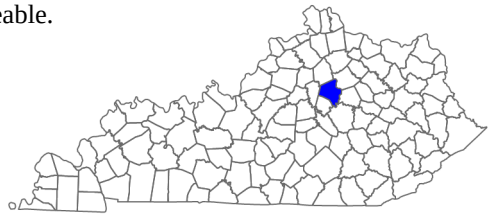
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Irvine Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21065008	ECWD - Master Meter Relocation and River Crossing	0-2 Years	Not Funded	$688,512	Estill	12	5

Fayette County

- 2010 census population of 295,803 (135,160 households) with 93% serviceable.
- Projected 2020 population of 334,733 (change of 38,930).
- Fayette County has 1,216.00 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,103,960.
- There are no projects planned from 6 to 10 years.



Fayette County has a 2010 census population count of 295,803 (135,160 households) with a projected 2020 population count of 334,733 (141,152 households). Public water is currently available to approximately 93 percent of the county's households based on 2010 census counts. Over the next ten years.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Nicholasville	1	$3,103,960	-	-	1.00	-	-
Totals:	**1**	**$3,103,960**	**-**	**-**	**1.00**	**-**	**-**

Community Drinking Water Systems in Fayette County

Note: Serviceability counts are for households within Fayette county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0340250	Kentucky-American Water Company	Fayette	271,924	125,614
KY0570214	Jessamine County Water District #1	Jessamine	58	23
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	415	147
KY0570315	Nicholasville Utilities	Jessamine	761	321
KY1200310	Northeast Woodford County Water District	Woodford	70	38
		Totals:	273,228	126,143

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
FAYETTE COUNTY
Kentucky

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Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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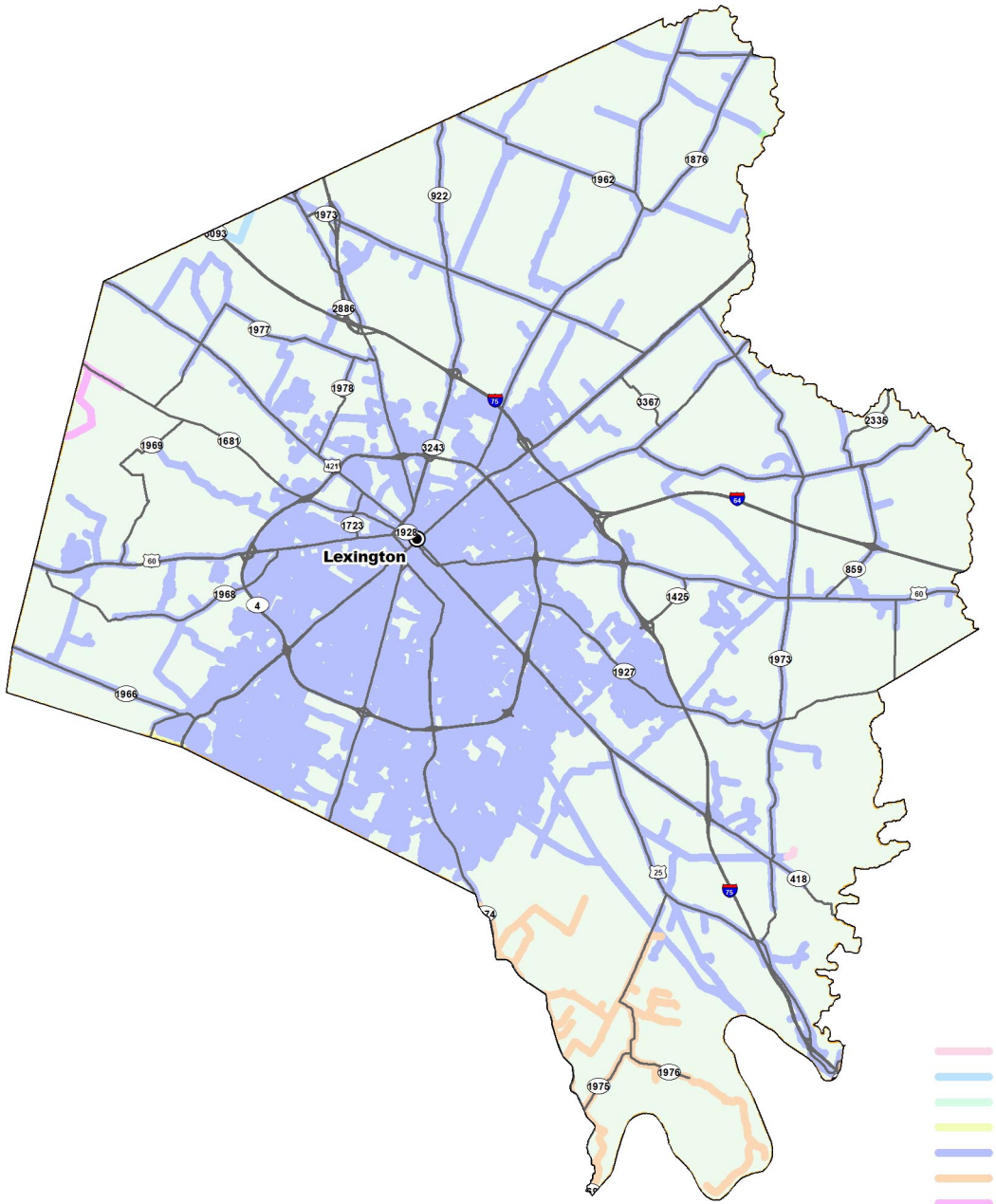

Fayette County (continued)

System Summary for Kentucky-American Water Company

PWSID	KY0340250	Treats Water	Yes, 3 plants with total capacity of 90.000 MGD.
System Type	Community	Surface Source	Yes, 4 sources.
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	133	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$36.57 per 4,000 gallons.	Wholesale Provider	Yes, to 9 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 25 tanks with total capacity of 17.000 MG.
Outside Mun. Cost	-	Total Connections	128,173
Residential Customers	116,271	Total Produced (MG)	14,687.153
Commercial Customers	9,064	Total Purchased (MG)	48.790
Institutional Customers	575	Total Inside Usage (MG)	11,708.715
Industrial Customers	31	Total Wholesale Sold (MG)	445.652
Wholesale Customers	9	Estimated Pct. Water Loss	18%
Total Distribution System Line Length = 1,801.95 miles (Distribution: 1,749.27 miles, Transmission: 52.68 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Kentucky-American Water Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	$1,750,000	Clark	9	4

Franklin County

- 2010 census population of 49,285 (23,164 households) with 100% serviceable.
- Projected 2020 population of 50,777 (change of 1,492).
- Franklin County has 574.16 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $32,518,000.
- There are no projects planned from 6 to 10 years.

Franklin County has a 2010 census population count of 49,285 (23,164 households) with a projected 2020 population count of 50,777 (21,761 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2,755 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances. 6.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Elkhorn Water District	1	$880,000	-	150	-	2.00	-
Farmdale Water District	2	$1,438,000	-	2,605	-	3.00	-
Shelby County Fiscal Court	1	$30,200,000	-	-	-	-	6.00
Totals:	**4**	**$32,518,000**	**-**	**2,755**	**-**	**5.00**	**6.00**

Community Drinking Water Systems in Franklin County

Note: Serviceability counts are for households within Franklin county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0370137	Elkhorn Water District	Franklin	1,488	632
KY0370128	Farmdale Water District	Franklin	6,121	2,411
KY0370143	Frankfort Plant Board	Franklin	35,382	17,413
KY0370346	Peaks Mill Water District	Franklin	2,752	1,185
KY1060324	North Shelby Water District	Shelby	2,291	1,021
KY1060436	US 60 Water District	Shelby	964	416
		Totals:	48,998	23,078

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
FRANKLIN COUNTY
Kentucky

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Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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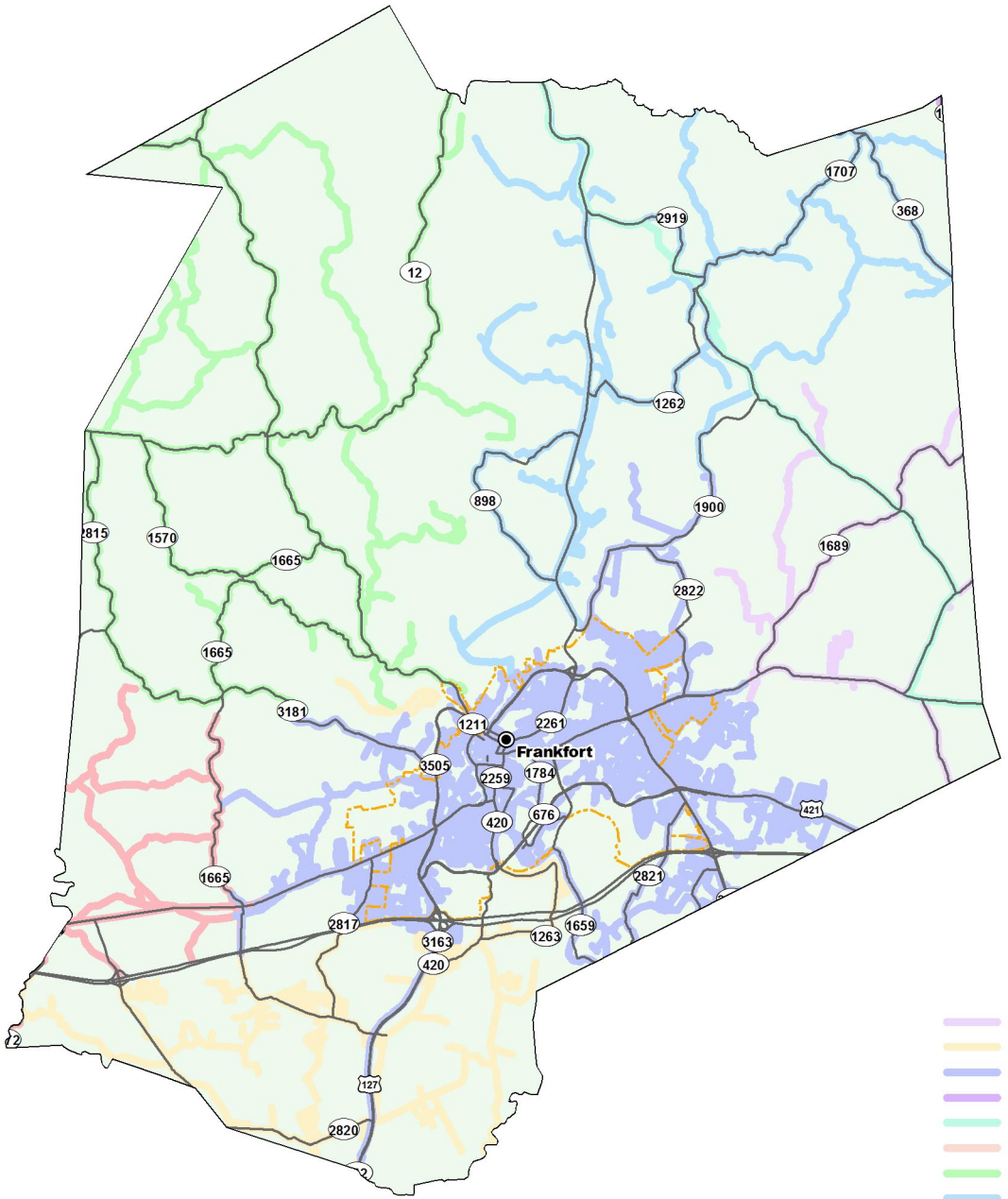


Franklin County (continued)

System Summary for Elkhorn Water District

PWSID	KY0370137	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$28.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	578
Residential Customers	569	Total Produced (MG)	-
Commercial Customers	9	Total Purchased (MG)	62.316
Institutional Customers	-	Total Inside Usage (MG)	54.215
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 27.89 miles (Distribution: 27.89 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Elkhorn Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21073021	Elkhorn WD Capital Improvements	0-2 Years	Partially Funded	$880,000	Franklin		

System Summary for Farmdale Water District

PWSID	KY0370128	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$29.84 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,655
Residential Customers	2,535	Total Produced (MG)	-
Commercial Customers	115	Total Purchased (MG)	245.600
Institutional Customers	-	Total Inside Usage (MG)	153.800
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%

Total Distribution System Line Length = 74.56 miles (Distribution: 74.56 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Farmdale Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21073020	Green Wilson Road Water Line Upgrade	0-2 Years	Not Funded	$770,000	Franklin		
WX21073017	Farmdale Water District Water Line Upgrade	3-5 Years	Not Funded	$668,000	Franklin		

System Summary for Frankfort Plant Board

PWSID	KY0370143	Treats Water	Yes, 1 plant with total capacity of 18.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	236	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 8 purchasers.
Inside Mun. Cost	$31.20 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 16.000 MG.
Outside Mun. Cost	$34.96 per 4,000 gallons.	Total Connections	16,956
Residential Customers	13,420	Total Produced (MG)	2,946.440
Commercial Customers	2,565	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,453.621
Industrial Customers	8	Total Wholesale Sold (MG)	911.258
Wholesale Customers	8	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 344.18 miles (Distribution: 344.18 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Frankfort Plant Board

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239023	Woodford County Germany, Shore Acres, Foraker, Watts Ferry & Hippe Agee Project	3-5 Years	Not Funded	$1,254,000	Woodford	31	3
WX21239018	Frankfort Plant Board Buck Run Road Water Line Extension	0-2 Years	Not Funded	$106,000	Woodford	39	6
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby	94	16

System Summary for Peaks Mill Water District

PWSID	KY0370346	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$47.54 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,178
Residential Customers	1,170	Total Produced (MG)	-
Commercial Customers	8	Total Purchased (MG)	75.242
Institutional Customers	-	Total Inside Usage (MG)	54.386
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 84.68 miles (Distribution: 84.68 miles, Transmission: 0.00 miles).			

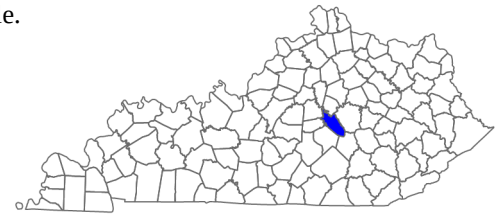
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Peaks Mill Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21187001	Owen County Extension	0-2 Years	Not Funded	$1,688,710	Owen		

Garrard County

- 2010 census population of 16,912 (7,463 households) with 99% serviceable.
- Projected 2020 population of 19,122 (change of 2,210).
- Garrard County has 455.56 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $690,460.
- There are no projects planned from 6 to 10 years.



Garrard County has a 2010 census population count of 16,912 (7,463 households) with a projected 2020 population count of 19,122 (7,917 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 16 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 3,360 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Crab Orchard	1	$174,000	6	-	1.00	-	-
City of Lancaster	2	$345,760	-	3,360	1.00	-	-
Garrard County Water Association Inc	1	$170,700	10	-	1.00	-	-
Totals:	**4**	**$690,460**	**16**	**3,360**	**3.00**	**-**	**-**

Community Drinking Water Systems in Garrard County

Note: Serviceability counts are for households within Garrard county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0400151	Garrard County Water Association	Garrard	12,459	5,404
KY0400233	Lancaster Water Works	Garrard	3,932	1,841
KY0690089	Crab Orchard Water Works	Lincoln	146	59
KY0760407	Southern Madison Water District	Madison	41	17
KY1020891	Western Rockcastle Water Association	Rockcastle	107	49
		Totals:	16,685	7,370

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
GARRARD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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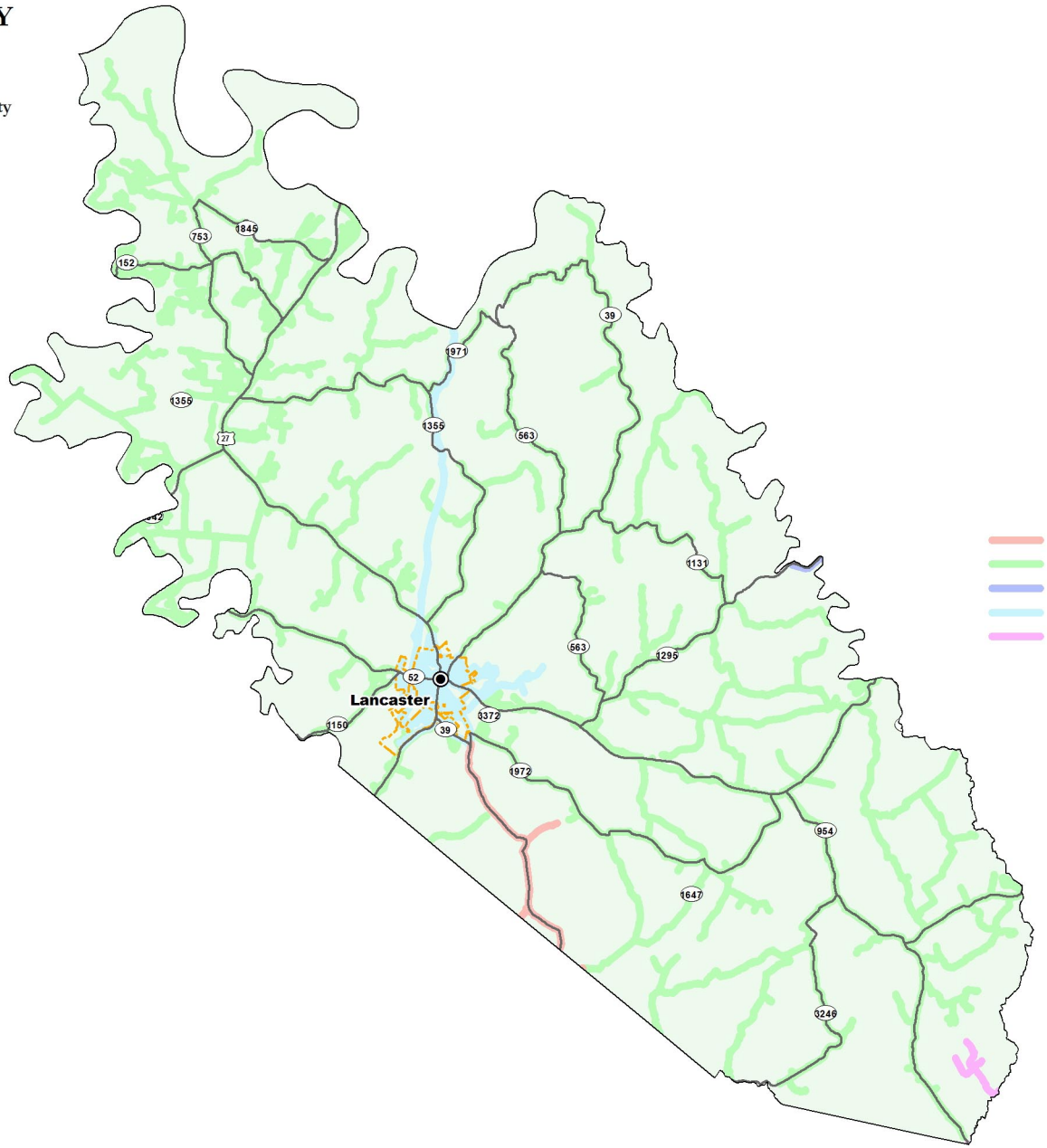


System Summary for Garrard County Water Association

PWSID	KY0400151	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$25.42 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,648
Residential Customers	5,503	Total Produced (MG)	-
Commercial Customers	138	Total Purchased (MG)	374.395
Institutional Customers	-	Total Inside Usage (MG)	304.652
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 413.93 miles (Distribution: 410.77 miles, Transmission: 3.16 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Garrard County Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	25	8
WX21079021	Garrard Water Association Extension 14	0-2 Years	Not Funded	$170,700	Garrard		

System Summary for Lancaster Water Works

PWSID	KY0400233	Treats Water	Yes, 1 plant with total capacity of 2.100 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$33.03 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,782
Residential Customers	1,518	Total Produced (MG)	511.000
Commercial Customers	160	Total Purchased (MG)	-
Institutional Customers	46	Total Inside Usage (MG)	49.107
Industrial Customers	-	Total Wholesale Sold (MG)	315.385
Wholesale Customers	2	Estimated Pct. Water Loss	29%
Total Distribution System Line Length = 54.25 miles (Distribution: 36.23 miles, Transmission: 18.02 miles).			

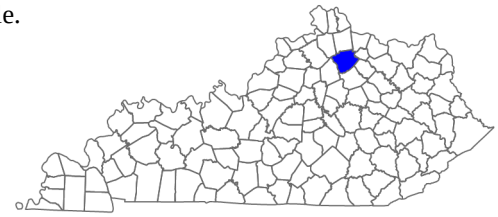
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lancaster Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21079022	Lancaster Water Line Extension to Industrial Park	3-5 Years	Not Funded	$192,760	Garrard		
WX21079016	Lancaster Utility Security Improvements Part A	0-2 Years	Not Funded	$153,000	Garrard		

Harrison County

- 2010 census population of 18,846 (8,208 households) with 99% serviceable.
- Projected 2020 population of 19,640 (change of 794).
- Harrison County has 493.98 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,054,000.
- There are no projects planned from 6 to 10 years.



Harrison County has a 2010 census population count of 18,846 (8,208 households) with a projected 2020 population count of 19,640 (8,006 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 479 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Cynthiana	2	$2,054,000	-	479	-	5.00	-
Totals:	**2**	**$2,054,000**	**-**	**479**	**-**	**5.00**	**-**

Community Drinking Water Systems in Harrison County

Note: Serviceability counts are for households within Harrison county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0490096	Cynthiana Municipal Water Works	Harrison	6,667	3,084
KY0490179	Harrison County Water Association	Harrison	11,695	4,895
KY0340250	Kentucky-American Water Company	Fayette	175	75
KY0410662	Corinth Water District	Grant	111	62
KY0810046	Buffalo Trail Water Association	Mason	55	28
		Totals:	18,703	8,144

Kentucky Infrastructure Authority
January 04, 2019

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HARRISON COUNTY
Kentucky

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Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
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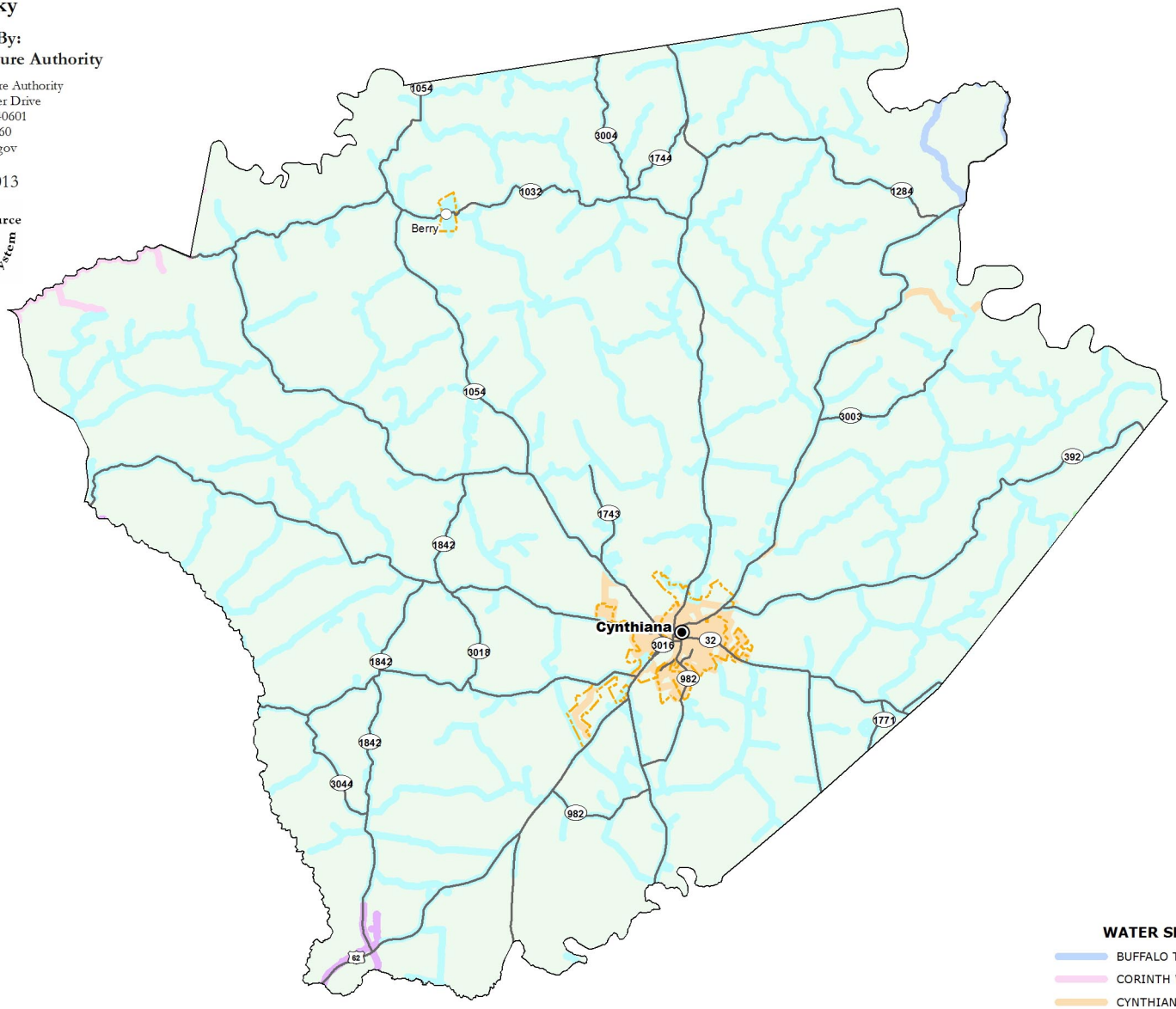
Water Resource Information System



WATER SERVICE BY OWNER

- BUFFALO TRAIL WATER ASSOCIATION
- CORINTH WATER DISTRICT
- CYNTHIANA MUNICIPAL WATER WORKS
- HARRISON COUNTY WATER ASSOCIATION
- KENTUCKY-AMERICAN WATER COMPANY
- NICHOLAS COUNTY WATER DISTRICT

System Summary for Cynthiana Municipal Water Works

PWSID	KY0490096	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$16.05 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$22.47 per 4,000 gallons.	Total Connections	2,700
Residential Customers	2,249	Total Produced (MG)	733.371
Commercial Customers	217	Total Purchased (MG)	-
Institutional Customers	28	Total Inside Usage (MG)	166.761
Industrial Customers	9	Total Wholesale Sold (MG)	337.616
Wholesale Customers	1	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 70.52 miles (Distribution: 54.55 miles, Transmission: 15.97 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cynthiana Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21097019	West End Water System Improvements	0-2 Years	Not Funded	$1,157,000	Harrison	26	4
WX21097021	North West Water System Improvements	0-2 Years	Not Funded	$897,000	Harrison		

System Summary for Harrison County Water Association

PWSID	KY0490179	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 5 providers.
Non-Municipal Cost	$32.97 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 10 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,679
Residential Customers	5,642	Total Produced (MG)	-
Commercial Customers	129	Total Purchased (MG)	373.219
Institutional Customers	-	Total Inside Usage (MG)	372.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%

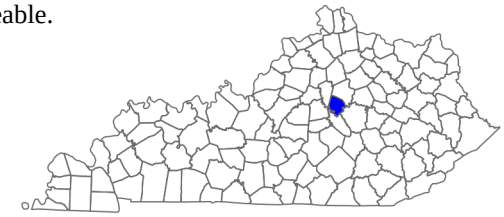
Total Distribution System Line Length = 503.96 miles (Distribution: 503.96 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Harrison County Water Association

Jessamine County

- 2010 census population of 48,586 (19,331 households) with 100% serviceable.
- Projected 2020 population of 58,928 (change of 10,342).
- Jessamine County has 564.23 miles of existing water lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $19,283,928.
- There are no projects planned from 6 to 10 years.



Jessamine County has a 2010 census population count of 48,586 (19,331 households) with a projected 2020 population count of 58,928 (22,184 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 21,078 instances of improved service through the rehabilitation of 9.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Nicholasville	4	$12,647,138	-	16,711	6.00	1.00	4.00
City of Wilmore	1	$370,000	-	-	-	-	-
Jessamine County Water District #1	5	$4,466,790	2	1,161	5.00	8.00	-
Jessamine-South Elkhorn Water District	4	$1,800,000	-	3,206	-	-	-
Totals:	**14**	**$19,283,928**	**2**	**21,078**	**11.00**	**9.00**	**4.00**

Community Drinking Water Systems in Jessamine County

Note: Serviceability counts are for households within Jessamine county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0570214	Jessamine County Water District #1	Jessamine	4,081	1,643
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	7,141	2,789
KY0570315	Nicholasville Utilities	Jessamine	30,640	12,567
KY0570010	Wilmore Water Works	Jessamine	6,428	2,210
KY0340250	Kentucky-American Water Company	Fayette	163	70
		Totals:	48,453	19,279

Kentucky Infrastructure Authority
January 04, 2019

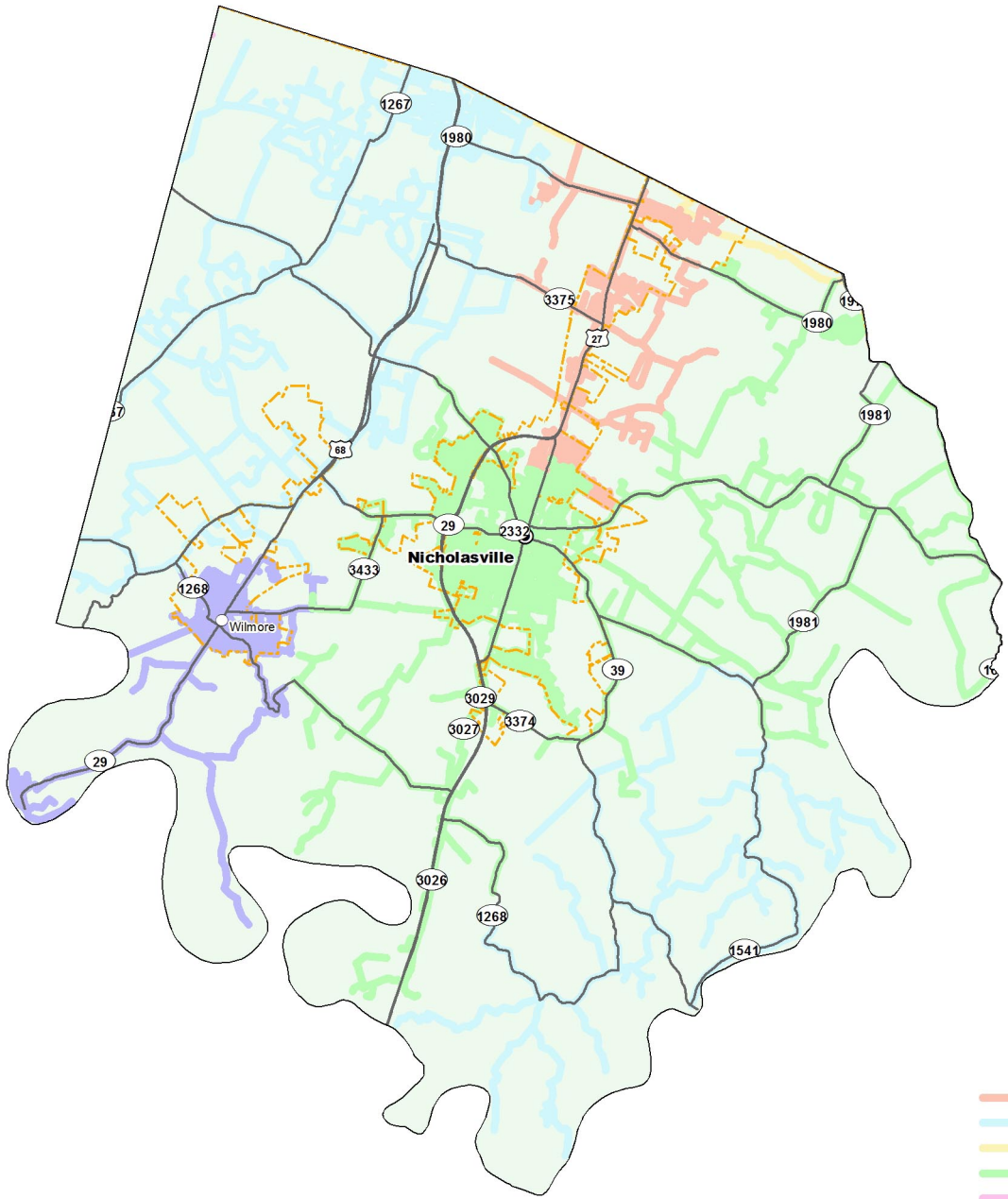
WATER SERVICE AREAS
JESSAMINE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- JESSAMINE COUNTY WATER DISTRICT #1
- JESSAMINE- SOUTH ELKHORN WATER DISTRICT
- KENTUCKY-AMERICAN WATER COMPANY
- NICHOLASVILLE UTILITIES
- SOUTH WOODFORD COUNTY WATER DISTRICT
- WILMORE WATER WORKS

Jessamine County (continued)

System Summary for Jessamine County Water District #1

PWSID	KY0570214	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$35.80 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,500
Residential Customers	1,575	Total Produced (MG)	-
Commercial Customers	554	Total Purchased (MG)	226.736
Institutional Customers	-	Total Inside Usage (MG)	231.059
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-2%

Total Distribution System Line Length = 62.91 miles (Distribution: 62.91 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jessamine County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	$4,634,160	Jessamine	2	1
WX21113033	Jessamine County Water District #1 Sussex Estates Water Line Upgrade	0-2 Years	Not Funded	$475,000	Jessamine	30	4
WX21113035	JCWD #1 - Vincewood and Carolyn Lane Water Line Upgrades	0-2 Years	Not Funded	$1,451,790	Jessamine	36	2
WX21113010	Jessamine County Water District #1 - Water System Improvements	0-2 Years	Partially Funded	$1,350,000	Jessamine		
WX21113034	Jessamine County Water District #1 - Carolyn Lane Water Line Upgrade	0-2 Years	Not Funded	$660,000	Jessamine		
WX21113023	Jessamine County Water District #1 - Baker Lane/Catnip Hill/Windom Lane Loop	0-2 Years	Not Funded	$615,000	Jessamine		
WX21113032	Jessamine County Water District #1 Windom Lane Water Line Upgrade	0-2 Years	Not Funded	$575,000	Jessamine		

System Summary for Jessamine- South Elkhorn Water District

PWSID	KY0570249	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$43.07 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	3,021
Residential Customers	2,947	Total Produced (MG)	-
Commercial Customers	74	Total Purchased (MG)	252.552
Institutional Customers	-	Total Inside Usage (MG)	195.225
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%

Total Distribution System Line Length = 181.32 miles (Distribution: 181.32 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jessamine- South Elkhorn Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	$4,634,160	Jessamine	2	1
WX21113046	JSEWD - Mobile Read Water Meter Retrofit	0-2 Years	Not Funded	$1,010,000	Jessamine		
WX21113044	JSEWD - Southeast Standpipe Painting	3-5 Years	Not Funded	$395,000	Jessamine		
WX21113045	JSEWD - Park Lane Storage Tank Painting	3-5 Years	Not Funded	$270,000	Jessamine		
WX21113036	Water Asset Management and Cost of Services Survey Jessamine South Elkhorn	3-5 Years	Not Funded	$125,000	Jessamine		

System Summary for Nicholasville Utilities

PWSID	KY0570315	Treats Water	Yes, 1 plant with total capacity of 9.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	68	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$22.14 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$32.52 per 4,000 gallons.	Total Connections	14,225
Residential Customers	12,917	Total Produced (MG)	1,406.345
Commercial Customers	894	Total Purchased (MG)	49.818
Institutional Customers	-	Total Inside Usage (MG)	873.294
Industrial Customers	23	Total Wholesale Sold (MG)	249.218
Wholesale Customers	2	Estimated Pct. Water Loss	23%

Total Distribution System Line Length = 294.38 miles (Distribution: 282.03 miles, Transmission: 12.34 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Nicholasville Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	$4,634,160	Jessamine	2	1
WX21113028	Nicholasville 20" Backbone Water Main Extension	3-5 Years	Not Funded	$4,154,018	Jessamine		
WX21113027	Nicholasville Elevated Water Storage Project	3-5 Years	Not Funded	$3,103,960	Jessamine		
WX21113010	Jessamine County Water District #1 - Water System Improvements	0-2 Years	Partially Funded	$1,350,000	Jessamine		
WX21113047	Nicholasville - Hayden Park Water Main Replacement	0-2 Years	Not Funded	$755,000	Jessamine		

System Summary for Wilmore Water Works

PWSID	KY0570010	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	9	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$23.78 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$31.35 per 4,000 gallons.	Total Connections	2,020
Residential Customers	1,944	Total Produced (MG)	214.025
Commercial Customers	84	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	112.070
Industrial Customers	-	Total Wholesale Sold (MG)	0.017
Wholesale Customers	1	Estimated Pct. Water Loss	48%
Total Distribution System Line Length = 52.62 miles (Distribution: 52.62 miles, Transmission: 0.00 miles).			

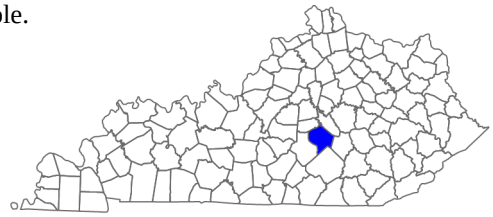
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wilmore Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21113037	Wilmore Elevated Storage Tank Rehabilitation	0-2 Years	Not Funded	$370,000	Jessamine	20	3

Lincoln County

- 2010 census population of 24,742 (10,819 households) with 98% serviceable.
- Projected 2020 population of 26,170 (change of 1,428).
- Lincoln County has 579.18 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 26.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,955,281.
- Estimated funding needs for projects from 6 to 10 years: $4,000,000.



Lincoln County has a 2010 census population count of 24,742 (10,819 households) with a projected 2020 population count of 26,170 (10,762 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 59 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 6,983 instances of improved service through the rehabilitation of 26.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Crab Orchard	2	$708,700	-	27	-	1.00	-
City of Eubank	2	$659,000	-	15	-	-	-
City of Stanford	1	$4,100,000	-	3,200	1.00	14.00	-
Lincoln County Fiscal Court	6	$455,000	54	13	8.00	1.00	-
McKinney Water District	3	$2,674,405	2	3,728	2.00	10.00	-
Stanford Water Commission	1	$4,000,000	-	-	-	-	-
Western Rockcastle Water Association Inc	2	$1,358,176	3	-	5.00	-	-
Totals:	**17**	**$13,955,281**	**59**	**6,983**	**16.00**	**26.00**	**-**

Community Drinking Water Systems in Lincoln County

Note: Serviceability counts are for households within Lincoln county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0690089	Crab Orchard Water Works	Lincoln	1,069	517
KY0690203	Hustonville Water Works	Lincoln	4,061	1,786
KY0690278	McKinney Water District	Lincoln	4,254	1,832
KY0690417	Stanford Water Commission	Lincoln	7,866	3,357
KY0110097	Danville City Water Works	Boyle	424	194
KY0110345	Parksville Water District	Boyle	95	43
KY0400151	Garrard County Water Association	Garrard	468	185
KY1000124	Eubank Water System	Pulaski	4,369	1,945
KY1000311	Southeastern Water Association	Pulaski	27	20
KY1020891	Western Rockcastle Water Association	Rockcastle	1,565	700
		Totals:	24,198	10,579

Kentucky Infrastructure Authority
January 04, 2019

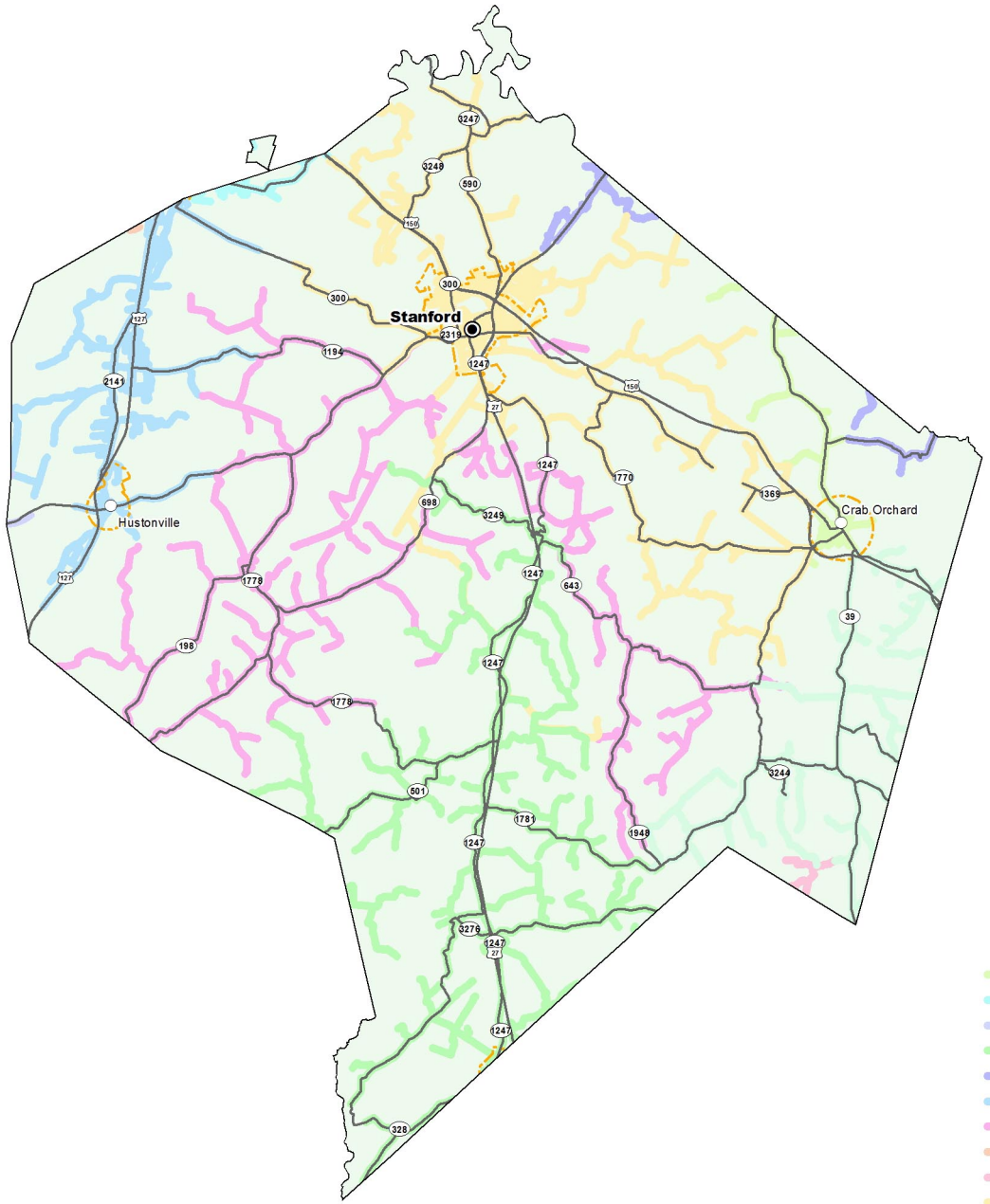
WATER SERVICE AREAS
LINCOLN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Crab Orchard Water Works

PWSID	KY0690089	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$29.97 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$36.01 per 4,000 gallons.	Total Connections	569
Residential Customers	545	Total Produced (MG)	-
Commercial Customers	31	Total Purchased (MG)	44.876
Institutional Customers	-	Total Inside Usage (MG)	25.400
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	43%

Total Distribution System Line Length = 25.86 miles (Distribution: 22.46 miles, Transmission: 3.40 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Crab Orchard Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21137049	City of Crab Orchard - Deepwell Woods Road Water Line and J&V Water Line	0-2 Years	Not Funded	$443,700	Lincoln	27	4
WX21137045	City of Crab Orchard - Radio Read Conversion Project	0-2 Years	Not Funded	$265,000	Lincoln		
WX21137048	City of Crab Orchard - J & V Lane New Water Line	3-5 Years	Not Funded	$174,000	Lincoln		

System Summary for Hustonville Water Works

PWSID	KY0690203	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$28.75 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$35.94 per 4,000 gallons.	Total Connections	1,875
Residential Customers	1,895	Total Produced (MG)	-
Commercial Customers	15	Total Purchased (MG)	64.035
Institutional Customers	-	Total Inside Usage (MG)	64.035
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%

Total Distribution System Line Length = 69.89 miles (Distribution: 69.89 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Hustonville Water Works

System Summary for McKinney Water District

PWSID	KY0690278	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$39.68 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,145
Residential Customers	1,836	Total Produced (MG)	-
Commercial Customers	28	Total Purchased (MG)	123.352
Institutional Customers	-	Total Inside Usage (MG)	122.834
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%

Total Distribution System Line Length = 130.85 miles (Distribution: 128.63 miles, Transmission: 2.22 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for McKinney Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21137017	McKinney WD - Phase 1 Water Improvements Project	0-2 Years	Partially Funded	$1,718,115	Lincoln	6	1
WX21137052	McKinney WD - Phase 2 Water Improvements Project	0-2 Years	Not Funded	$936,235	Lincoln		
WX21137036	Hicks Road Water Line Extension - Lincoln	0-2 Years	Not Funded	$50,000	Lincoln		
WX21137003	McKinney Water District/Boneyville Road Interconn	0-2 Years	Partially Funded	$20,055	Lincoln		

System Summary for Stanford Water Commission

PWSID	KY0690417	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	16	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$21.86 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$24.91 per 4,000 gallons.	Total Connections	3,250
Residential Customers	3,179	Total Produced (MG)	438.000
Commercial Customers	239	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	215.675
Industrial Customers	5	Total Wholesale Sold (MG)	99.635
Wholesale Customers	2	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 169.20 miles (Distribution: 157.48 miles, Transmission: 11.72 miles).

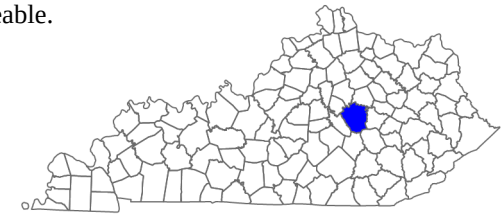
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Stanford Water Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21137051	City of Stanford - Water System Upgrades	0-2 Years	Partially Funded	$4,100,000	Lincoln		
WX21137007	Stanford Water Plant Expansion	6-10 Years	Not Funded	$4,000,000	Lincoln		
WX21137039	Withers Lane Water Line Extension Lincoln County	0-2 Years	Not Funded	$100,000	Lincoln		

Madison County

- 2010 census population of 82,916 (35,043 households) with 100% serviceable.
- Projected 2020 population of 95,333 (change of 12,417).
- Madison County has 1,017.29 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 5.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $23,955,329.
- Estimated funding needs for projects from 6 to 10 years: $1,958,800.



Madison County has a 2010 census population count of 82,916 (35,043 households) with a projected 2020 population count of 95,333 (38,093 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1 serviceable households will be added through the construction of 7.00 miles of water line extensions and approximately 7,568 instances of improved service through the rehabilitation of 9.00 miles of existing water lines and other appurtenances. 5.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Berea	2	$13,939,000	-	4,600	-	-	-
City of Richmond	6	$4,453,420	-	106	2.00	1.00	4.00
Kirksville Water Association	7	$1,711,041	-	1,176	-	5.00	1.00
Kirksville Water Association Inc	2	$252,800	-	1,604	-	-	-
Madison County Utilities District	3	$2,795,500	-	21	-	1.00	-
Southern Madison Water District	3	$2,762,368	1	61	5.00	2.00	-
Totals:	**23**	**$25,914,129**	**1**	**7,568**	**7.00**	**9.00**	**5.00**

Community Drinking Water Systems in Madison County

Note: Serviceability counts are for households within Madison county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0760030	Berea Municipal Utilities	Madison	10,521	4,370
KY0760672	Kirksville Water Association	Madison	4,401	1,830
KY0760224	Madison County Utilities District	Madison	24,986	10,382
KY0760370	Richmond Water, Gas & Sewer	Madison	31,500	13,667
KY0760407	Southern Madison Water District	Madison	10,880	4,524
KY0330123	Estill County Water District #1	Estill	27	12
KY0400151	Garrard County Water Association	Garrard	147	63
KY0550209	Jackson County Water Association Inc	Jackson	39	16
		Totals:	82,501	34,864

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MADISON COUNTY
Kentucky

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Kentucky Infrastructure Authority

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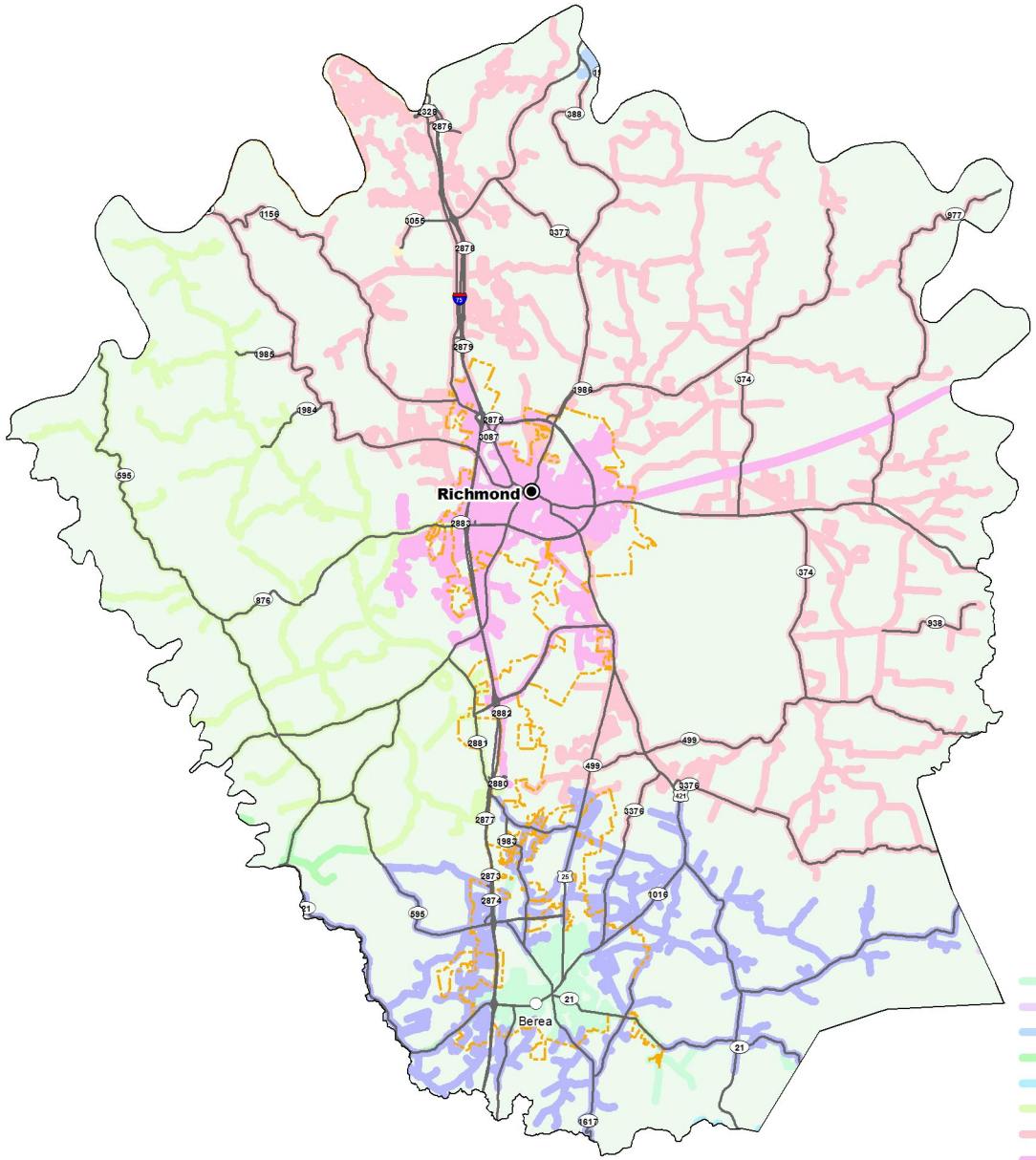


WATER SERVICE BY OWNER

- BEREA MUNICIPAL UTILITIES
- ESTILL COUNTY WATER DISTRICT #1
- FORT BOONESBOROUGH STATE PARK
- GARRARD COUNTY WATER ASSOCIATION
- JACKSON COUNTY WATER ASSOCIATION INC
- KIRKSVILLE WATER ASSOCIATION
- MADISON COUNTY UTILITIES DISTRICT
- RICHMOND WATER, GAS & SEWER
- SOUTHERN MADISON WATER DISTRICT
- WHITE HALL STATE HISTORIC SITE

System Summary for Berea Municipal Utilities

PWSID	KY0760030	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 4 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$27.50 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$27.50 per 4,000 gallons.	Total Connections	4,108
Residential Customers	3,604	Total Produced (MG)	1,020.930
Commercial Customers	492	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	406.430
Industrial Customers	12	Total Wholesale Sold (MG)	361.514
Wholesale Customers	2	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 87.64 miles (Distribution: 87.64 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Berea Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151061	SMWD - Madison County Airport - Waterline Extension Project	0-2 Years	Not Funded	$529,600	Madison	3	1
WX21151040	Berea Utilities - Owsley Fork Reservior (Red Lick Creek MPS No. 1) Rehabilitation	0-2 Years	Partially Funded	$13,259,000	Madison	11	6
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	25	8

System Summary for Kirksville Water Association

PWSID	KY0760672	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$39.42 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,872
Residential Customers	1,794	Total Produced (MG)	-
Commercial Customers	66	Total Purchased (MG)	104.428
Institutional Customers	-	Total Inside Usage (MG)	91.233
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 130.60 miles (Distribution: 130.60 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Kirksville Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151061	SMWD - Madison County Airport - Waterline Extension Project	0-2 Years	Not Funded	$529,600	Madison	3	1
WX21151052	Spring Lake Tank Painting	0-2 Years	Not Funded	$136,000	Madison	33	7
WX21151056	Kirksville Water Association - Welchwood Master Meter Connection	0-2 Years	Not Funded	$189,500	Madison	40	9
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison		
WX21151020	Kirksville Water Association - Caleast Road Water Line Upgrade	3-5 Years	Not Funded	$667,391	Madison		
WX21151049	Mixing Systems for Two 5Mg Ground Storage Tanks	3-5 Years	Not Funded	$338,300	Madison		
WX21151057	Kirksville Water Association - Welchwood / John Ballard WL Repla	3-5 Years	Not Funded	$284,600	Madison		
WX21151034	Barnes Mill Waterline Loop-Kirksville Water Association	3-5 Years	Not Funded	$195,100	Madison		
WX21151025	Highway 595 Water Line Replacement	6-10 Years	Not Funded	$190,200	Madison		
WX21151044	Kirksville Water Association Barnes Mill Road Water Line Replace	3-5 Years	Not Funded	$116,800	Madison		
WX21151055	Kirksville Water Association - Repaint Newby Tank	0-2 Years	Not Funded	$116,450	Madison		
WX21151037	Kirksville Water Association - Highway 595 (Kirksville Road) Water Line Replacement	3-5 Years	Not Funded	$67,800	Madison		

System Summary for Madison County Utilities District

PWSID	KY0760224	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	16	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$29.31 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	10,954
Residential Customers	10,134	Total Produced (MG)	-
Commercial Customers	671	Total Purchased (MG)	695.341
Institutional Customers	22	Total Inside Usage (MG)	580.408
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 418.80 miles (Distribution: 418.80 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Madison County Utilities District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151022	Boonesboro 500,000 Gallon Elevated Tank Madison County Utilities District	3-5 Years	Not Funded	$1,284,500	Madison	18	5
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison		
WX21151024	Eastern 500,000 Gallon Tank - Madison County Utilities District	6-10 Years	Not Funded	$1,345,600	Madison		
WX21151049	Mixing Systems for Two 5Mg Ground Storage Tanks	3-5 Years	Not Funded	$338,300	Madison		
WX21151059	Whitt Road Water Line Replacement	0-2 Years	Not Funded	$165,400	Madison		

System Summary for Richmond Water, Gas & Sewer

PWSID	KY0760370	Treats Water	Yes, 1 plant with total capacity of 12.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	72	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$18.45 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 14.000 MG.
Outside Mun. Cost	$23.34 per 4,000 gallons.	Total Connections	12,105
Residential Customers	10,922	Total Produced (MG)	2,552.744
Commercial Customers	1,115	Total Purchased (MG)	-
Institutional Customers	2	Total Inside Usage (MG)	1,096.204
Industrial Customers	66	Total Wholesale Sold (MG)	799.769
Wholesale Customers	2	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 209.53 miles (Distribution: 193.92 miles, Transmission: 15.61 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Richmond Water, Gas & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison		
WX21151047	Richmond Main Street 10" Line Replacement	0-2 Years	Not Funded	$1,241,750	Madison		
WX21151012	Richmond Utilities Boggs Lane Main Phase II	3-5 Years	Not Funded	$600,000	Madison		
WX21151006	Richmond Utilities Red House Road 12" Water Line Connector.	6-10 Years	Not Funded	$423,000	Madison		
WX21151060	Richmond Industrial Park South III Water Main Extension	0-2 Years	Not Funded	$371,170	Madison		
WX21151049	Mixing Systems for Two 5Mg Ground Storage Tanks	3-5 Years	Not Funded	$338,300	Madison		

System Summary for Southern Madison Water District

PWSID	KY0760407	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	10	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$25.57 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	5,254
Residential Customers	4,922	Total Produced (MG)	-
Commercial Customers	98	Total Purchased (MG)	333.923
Institutional Customers	1	Total Inside Usage (MG)	262.389
Industrial Customers	2	Total Wholesale Sold (MG)	6.521
Wholesale Customers	1	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 160.64 miles (Distribution: 160.64 miles, Transmission: 0.00 miles).

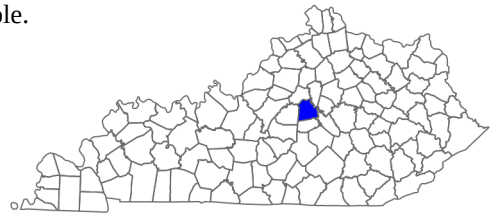
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Southern Madison Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151061	SMWD - Madison County Airport - Waterline Extension Project	0-2 Years	Not Funded	$529,600	Madison	3	1
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	25	8
WX21151003	I-75 and KY 595 Water Extension Project	3-5 Years	Not Funded	$1,982,768	Madison		
WX21151032	Southern Madison Water District - Smith Lane Water Line Upgrade Project	0-2 Years	Not Funded	$250,000	Madison		

Mercer County

- 2010 census population of 21,331 (9,941 households) with 100% serviceable.
- Projected 2020 population of 21,810 (change of 479).
- Mercer County has 486.63 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,100,000.
- There are no projects planned from 6 to 10 years.



Mercer County has a 2010 census population count of 21,331 (9,941 households) with a projected 2020 population count of 21,810 (9,299 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 56 instances of improved service through the rehabilitation of 6.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Lake Village Water Association Inc	1	$1,100,000	-	56	-	6.00	-
Totals:	**1**	**$1,100,000**	**-**	**56**	**-**	**6.00**	**-**

Community Drinking Water Systems in Mercer County

Note: Serviceability counts are for households within Mercer county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0840048	Burgin Water Department	Mercer	1,041	467
KY0840180	Harrodsburg Municipal Water Department	Mercer	8,284	3,970
KY0840587	Lake Village Water Association	Mercer	3,045	1,738
KY0840321	North Mercer Water District	Mercer	8,833	3,709
		Totals:	21,203	9,884

Kentucky Infrastructure Authority
January 04, 2019

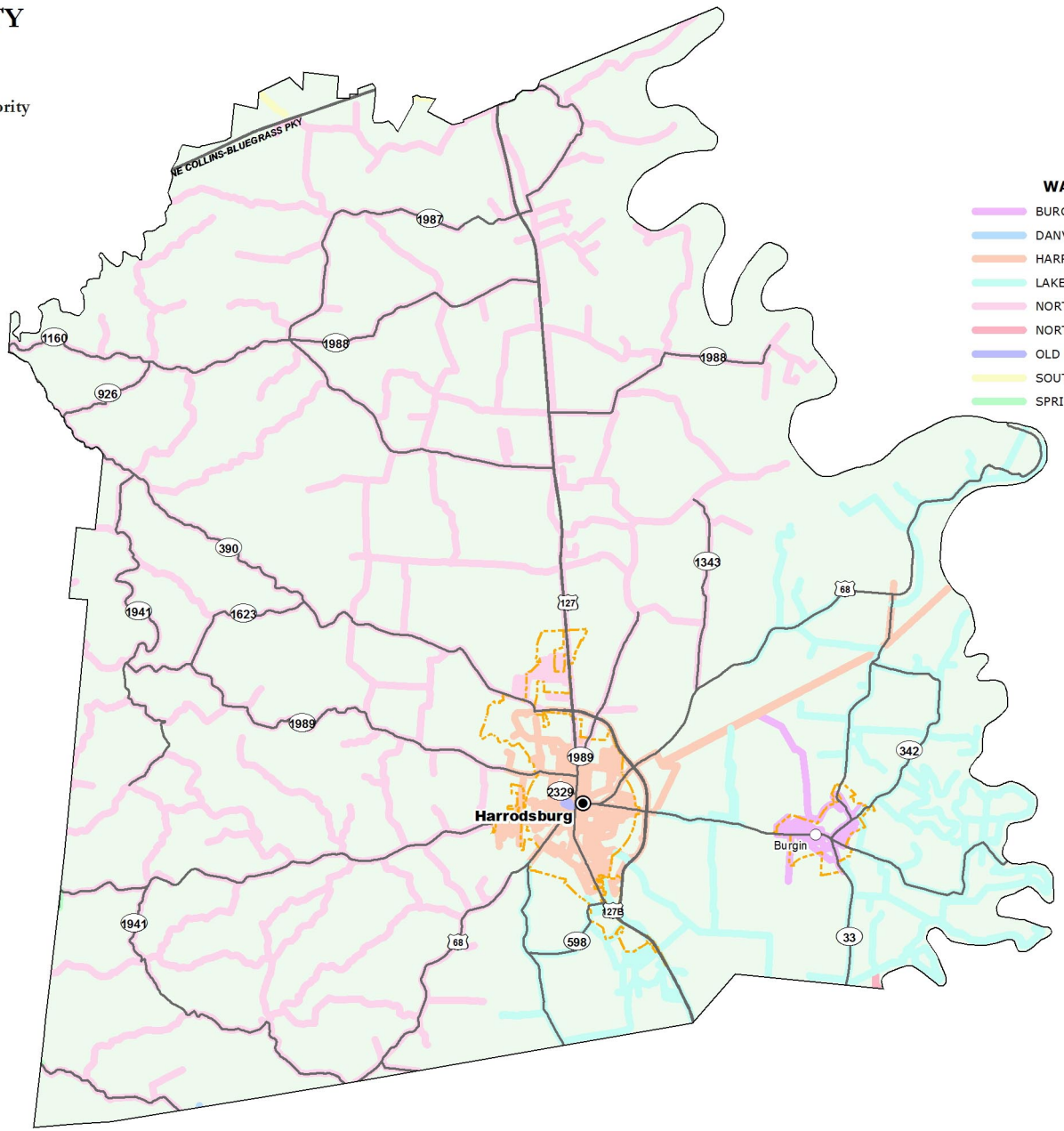
WATER SERVICE AREAS
MERCER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Burgin Water Department

PWSID	KY0840048	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$54.06 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	495
Residential Customers	464	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	29.459
Institutional Customers	-	Total Inside Usage (MG)	2.774
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	91%

Total Distribution System Line Length = 14.30 miles (Distribution: 14.30 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Burgin Water Department

System Summary for Harrodsburg Municipal Water Department

PWSID	KY0840180	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	20	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$20.50 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$20.50 per 4,000 gallons.	Total Connections	4,734
Residential Customers	4,332	Total Produced (MG)	1,136.093
Commercial Customers	277	Total Purchased (MG)	-
Institutional Customers	68	Total Inside Usage (MG)	-
Industrial Customers	13	Total Wholesale Sold (MG)	362.097
Wholesale Customers	3	Estimated Pct. Water Loss	68%
Total Distribution System Line Length = 81.50 miles (Distribution: 79.98 miles, Transmission: 1.52 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Harrodsburg Municipal Water Department

System Summary for Lake Village Water Association

PWSID	KY0840587	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$46.90 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,482
Residential Customers	2,420	Total Produced (MG)	-
Commercial Customers	33	Total Purchased (MG)	207.145
Institutional Customers	-	Total Inside Usage (MG)	157.287
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 127.55 miles (Distribution: 127.55 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lake Village Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21167017	Lake Village Water Association - Contract 14 Water Main West Zone Upgrades	0-2 Years	Not Funded	$1,100,000	Mercer	23	1

System Summary for North Mercer Water District

PWSID	KY0840321	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$41.19 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	4,366
Residential Customers	4,236	Total Produced (MG)	-
Commercial Customers	80	Total Purchased (MG)	325.545
Institutional Customers	50	Total Inside Usage (MG)	244.270
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%

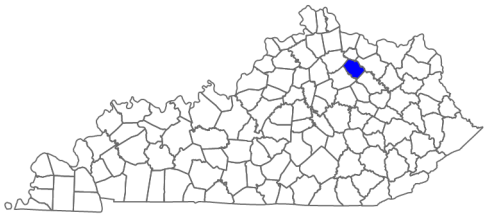
Total Distribution System Line Length = 340.63 miles (Distribution: 340.41 miles, Transmission: 0.23 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Mercer Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21021010	Danville - Perryville Standpipe Replacement and Water Main	0-2 Years	Not Funded	$4,918,257	Boyle	7	2

Nicholas County



- 2010 census population of 7,135 (3,261 households) with 98% serviceable.
- Projected 2020 population of 7,411 (change of 276).
- Nicholas County has 288.15 miles of existing water lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,490,000.
- Estimated funding needs for projects from 6 to 10 years: $6,010,000.

Nicholas County has a 2010 census population count of 7,135 (3,261 households) with a projected 2020 population count of 7,411 (3,012 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 30 serviceable households will be added through the construction of 2.00 miles of water line extensions and approximately 3,155 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances. 6.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Carlisle	7	$13,000,000	30	3,155	2.00	1.00	6.00
Sharpsburg Water District	1	$500,000	-	-	-	-	-
Totals:	**8**	**$13,500,000**	**30**	**3,155**	**2.00**	**1.00**	**6.00**

Community Drinking Water Systems in Nicholas County

Note: Serviceability counts are for households within Nicholas county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0910065	Carlisle Water Department	Nicholas	2,064	1,065
KY0910314	Nicholas County Water District	Nicholas	3,413	1,484
KY0060392	Sharpsburg Water District	Bath	1,295	554
KY0910675	Western Fleming Water District	Fleming	40	23
KY0490179	Harrison County Water Association	Harrison	82	39
		Totals:	6,894	3,165

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
NICHOLAS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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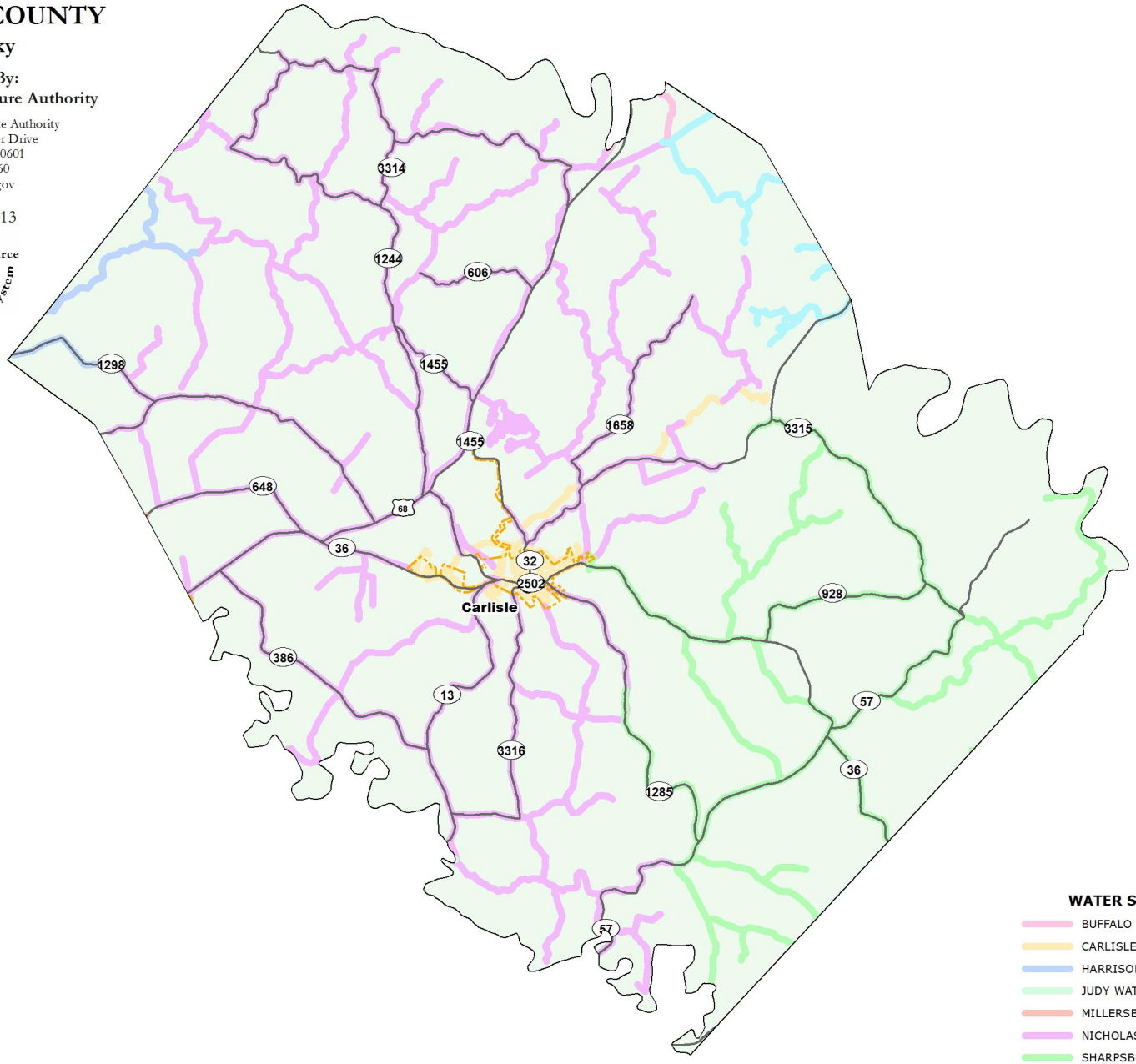
Water Resource Information System



WATER SERVICE BY OWNER

- BUFFALO TRAIL WATER ASSOCIATION
- CARLISLE WATER DEPARTMENT
- HARRISON COUNTY WATER ASSOCIATION
- JUDY WATER ASSOCIATION
- MILLERSBURG MUNICIPAL WATER WORKS
- NICHOLAS COUNTY WATER DISTRICT
- SHARPSBURG WATER DISTRICT
- WESTERN FLEMING WATER DISTRICT

System Summary for Carlisle Water Department

PWSID	KY0910065	Treats Water	Yes, 1 plant with total capacity of 1.300 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$36.58 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$37.30 per 4,000 gallons.	Total Connections	1,098
Residential Customers	915	Total Produced (MG)	173.200
Commercial Customers	78	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1.106
Industrial Customers	-	Total Wholesale Sold (MG)	65.068
Wholesale Customers	2	Estimated Pct. Water Loss	62%

Total Distribution System Line Length = 28.70 miles (Distribution: 18.22 miles, Transmission: 10.49 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Carlisle Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21181001	Carlisle Water Treatment Plant Expansion	6-10 Years	Not Funded	$5,375,000	Nicholas		
WX21181004	City of Carlisle Raw Water Intake Improvements	3-5 Years	Not Funded	$3,600,000	Nicholas		
WX21181006	Phase 2 - Drinking Water System Improvements	3-5 Years	Not Funded	$1,195,000	Nicholas		
WX21181009	Phase 3 - Drinking Water System Improvements	3-5 Years	Not Funded	$820,000	Nicholas		
WX21181011	Carlisle - KY-36 Utility Extension DW	0-2 Years	Not Funded	$790,000	Nicholas		
WX21181008	Carlisle Water Treatment Plant Renovation	6-10 Years	Not Funded	$635,000	Nicholas		
WX21181010	Carlisle Jockey Tank Rehabilitation	3-5 Years	Not Funded	$585,000	Nicholas		

Nicholas County (continued)

System Summary for Nicholas County Water District

PWSID	KY0910314	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$34.22 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,554
Residential Customers	1,542	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	133.926
Institutional Customers	-	Total Inside Usage (MG)	68.624
Industrial Customers	-	Total Wholesale Sold (MG)	21.000
Wholesale Customers	1	Estimated Pct. Water Loss	33%

Total Distribution System Line Length = 187.01 miles (Distribution: 187.01 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Nicholas County Water District

Powell County

- 2010 census population of 12,613 (5,598 households) with 99% serviceable.
- Projected 2020 population of 12,319 (change of -294).
- Powell County has 284.46 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,937,553.
- There are no projects planned from 6 to 10 years.

Powell County has a 2010 census population count of 12,613 (5,598 households) with a projected 2020 population count of 12,319 (4,860 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 9,680 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Campton	1	$184,000	6	-	-	-	-
City of Clay City	1	$671,380	-	677	-	-	-
City of Stanton	1	$700,000	-	3	-	-	-
Levee Road Water Association Inc	1	$1,069,675	-	-	-	-	-
Powell County Fiscal Court	2	$126,918	4	-	1.00	-	-
Powell's Valley Water District	9	$1,185,580	2	9,000	-	1.00	-
Totals:	**15**	**$3,937,553**	**12**	**9,680**	**1.00**	**1.00**	**-**

Community Drinking Water Systems in Powell County

Note: Serviceability counts are for households within Powell county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0990074	Clay City Water System	Powell	1,638	747
KY0990357	Powells Valley Water District	Powell	5,322	2,378
KY0990418	Stanton Water Commission	Powell	5,398	2,316
KY0330123	Estill County Water District #1	Estill	17	11
KY0870246	Levee Road Water Association, Inc	Montgomery	26	11
KY1190061	Campton Water System	Wolfe	78	46
		Totals:	12,479	5,509

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
POWELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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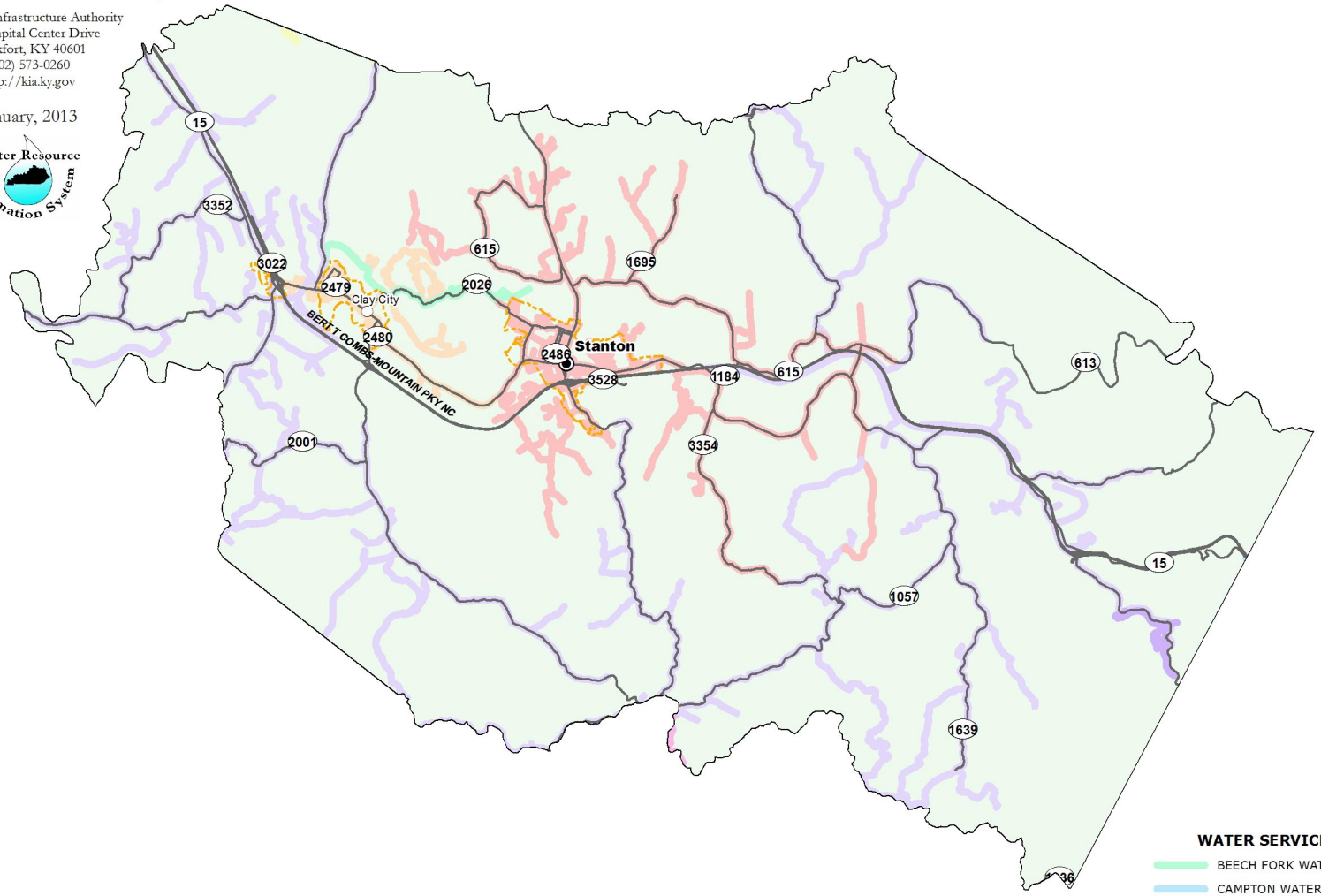
Water Resource Information System



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WATER SERVICE BY OWNER

- BEECH FORK WATER COMMISSION
- CAMPTON WATER SYSTEM
- CLAY CITY WATER SYSTEM
- ESTILL COUNTY WATER DISTRICT #1
- LEVEE ROAD WATER ASSOCIATION, INC
- NATURAL BRIDGE STATE RESORT PARK
- POWELLS VALLEY WATER DISTRICT
- STANTON WATER COMMISSION

System Summary for Beech Fork Water Commission

PWSID	KY0990281	Treats Water	Yes, 1 plant with total capacity of 1.944 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	438.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	372.507
Wholesale Customers	3	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 6.39 miles (Distribution: 0.00 miles, Transmission: 6.39 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Beech Fork Water Commission

System Summary for Clay City Water System

PWSID	KY0990074	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.92 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$50.57 per 4,000 gallons.	Total Connections	694
Residential Customers	630	Total Produced (MG)	-
Commercial Customers	58	Total Purchased (MG)	66.450
Institutional Customers	-	Total Inside Usage (MG)	31.779
Industrial Customers	6	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	52%
Total Distribution System Line Length = 20.74 miles (Distribution: 19.55 miles, Transmission: 1.19 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Clay City Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21197017	CLAY CITY BUSINESS PARK WATER EXTENSION PROJECT	0-2 Years	Not Funded	$107,055	Powell	10	3
WX21197007	City of Clay City - 150,000 Gallon Elevated Water Storage Tank	0-2 Years	Partially Funded	$671,380	Powell		

Powell County (continued)

System Summary for Powells Valley Water District

PWSID	KY0990357	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$43.34 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,340
Residential Customers	2,158	Total Produced (MG)	-
Commercial Customers	117	Total Purchased (MG)	139.122
Institutional Customers	-	Total Inside Usage (MG)	104.961
Industrial Customers	-	Total Wholesale Sold (MG)	0.662
Wholesale Customers	1	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 174.99 miles (Distribution: 174.99 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Powells Valley Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21197008	Powells Valley Beechfork Pump Station Replacement Project	0-2 Years	Not Funded	$213,200	Powell	22	4
WX21197015	Water Tank Improvements Project	0-2 Years	Not Funded	$174,400	Powell		
WX21197016	Happy Top and Ballards Branch PSs Variable Frequency Drives Project	0-2 Years	Not Funded	$174,400	Powell		
WX21197019	PVWD - Ballard Branch Pump Station Relocation	0-2 Years	Not Funded	$173,850	Powell		
WX21197013	Black Creek Pump Station Project	0-2 Years	Not Funded	$158,000	Powell		
WX21197009	Powells Valley - Stokely Branch Road Waterline Replacement Project	0-2 Years	Not Funded	$90,000	Powell		
WX21197004	Powells Valley Water District-Black Creek Water Line Extension	0-2 Years	Partially Funded	$86,530	Powell		
WX21197014	Frames Branch Water Tank Project	0-2 Years	Not Funded	$77,500	Powell		
WX21197012	Wells Lane Water Line Project	0-2 Years	Not Funded	$37,700	Powell		
WX21197018	PCFC, PVWD - Star Gap Road Water Extension	0-2 Years	Partially Funded	$19,863	Powell		

System Summary for Stanton Water Commission

PWSID	KY0990418	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$28.15 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$37.56 per 4,000 gallons.	Total Connections	2,250
Residential Customers	2,050	Total Produced (MG)	-
Commercial Customers	200	Total Purchased (MG)	167.597
Institutional Customers	-	Total Inside Usage (MG)	116.497
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 87.23 miles (Distribution: 87.23 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Stanton Water Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21197020	Stanton - Water Improvements Project	0-2 Years	Not Funded	$700,000	Powell		

Scott County

- 2010 census population of 47,173 (19,303 households) with 98% serviceable.
- Projected 2020 population of 63,984 (change of 16,811).
- Scott County has 621.19 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- There are no projects planned from 0 to 5 years.
- There are no projects planned from 6 to 10 years.

Scott County has a 2010 census population count of 47,173 (19,303 households) with a projected 2020 population count of 63,984 (25,538 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. There are no projects proposed for this county over the next 10 years.

Community Drinking Water Systems in Scott County

Note: Serviceability counts are for households within Scott county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	32,957	13,642
KY0340250	Kentucky-American Water Company	Fayette	12,718	5,043
KY0490179	Harrison County Water Association	Harrison	255	119
		Totals:	45,930	18,804

Kentucky Infrastructure Authority
January 04, 2019

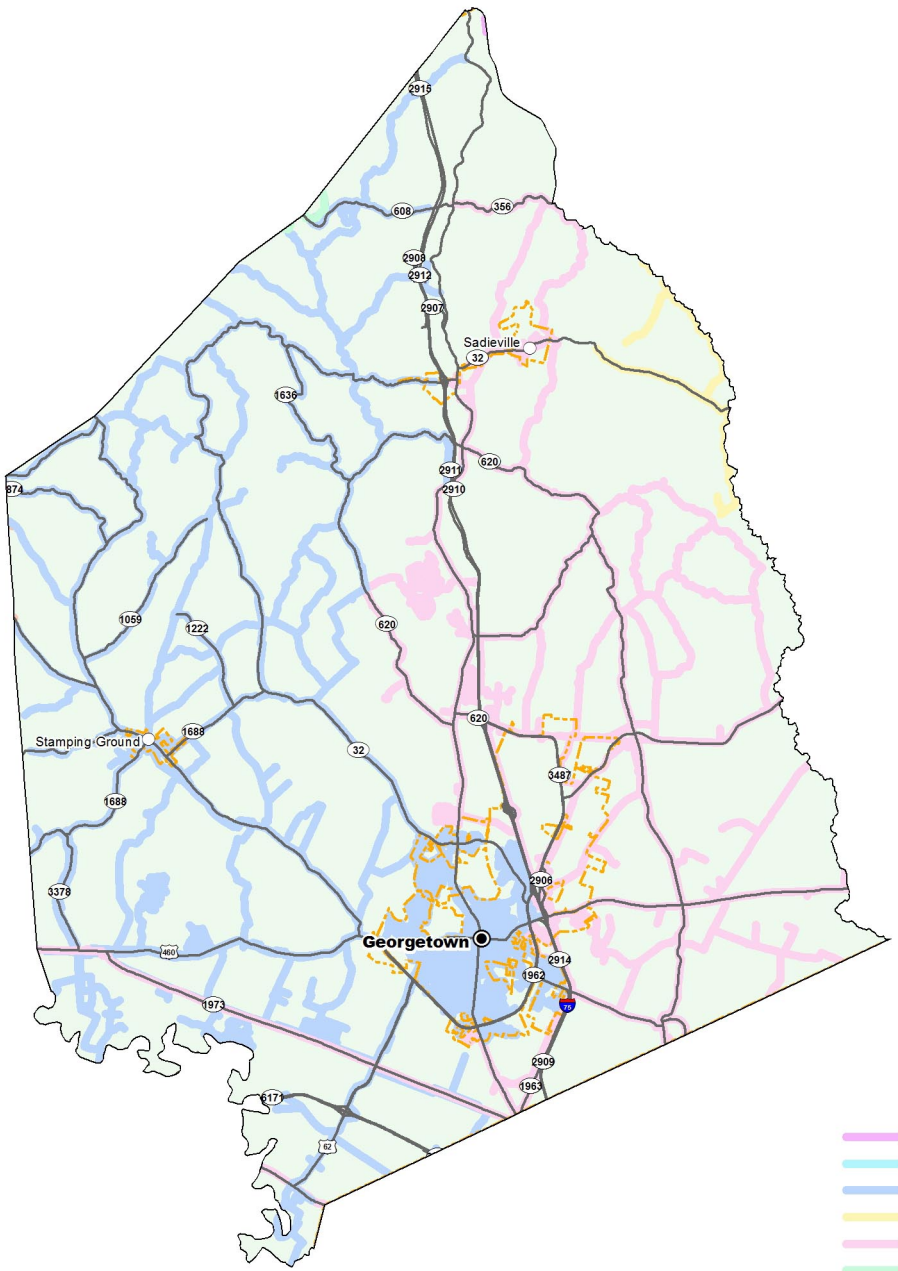
WATER SERVICE AREAS
SCOTT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Georgetown Municipal Water & Sewer Service

PWSID	KY1050157	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	58	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$18.14 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	13,549
Residential Customers	12,111	Total Produced (MG)	959.175
Commercial Customers	1,423	Total Purchased (MG)	143.830
Institutional Customers	-	Total Inside Usage (MG)	879.751
Industrial Customers	13	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 423.04 miles (Distribution: 423.04 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Georgetown Municipal Water & Sewer Service

Woodford County

- 2010 census population of 24,939 (10,711 households) with 97% serviceable.
- Projected 2020 population of 26,817 (change of 1,878).
- Woodford County has 336.26 miles of existing water lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,463,000.
- There are no projects planned from 6 to 10 years.

Woodford County has a 2010 census population count of 24,939 (10,711 households) with a projected 2020 population count of 26,817 (11,147 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 39 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 12,554 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Versailles	4	$8,977,000	2	12,485	2.00	-	-
South Woodford Water District	4	$1,126,000	-	36	1.00	3.00	1.00
Woodford County Fiscal Court	2	$1,360,000	37	33	8.00	-	-
Totals:	**10**	**$11,463,000**	**39**	**12,554**	**11.00**	**3.00**	**1.00**

Community Drinking Water Systems in Woodford County

Note: Serviceability counts are for households within Woodford county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1200283	Midway Municipal Water Works	Woodford	1,733	757
KY1200310	Northeast Woodford County Water District	Woodford	2,222	950
KY1200411	South Woodford County Water District	Woodford	3,741	1,629
KY1200439	Versailles Municipal Water	Woodford	14,351	6,102
KY0340250	Kentucky-American Water Company	Fayette	488	201
KY0370143	Frankfort Plant Board	Franklin	1,350	659
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	46	18
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	80	33
		Totals:	24,011	10,349

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
WOODFORD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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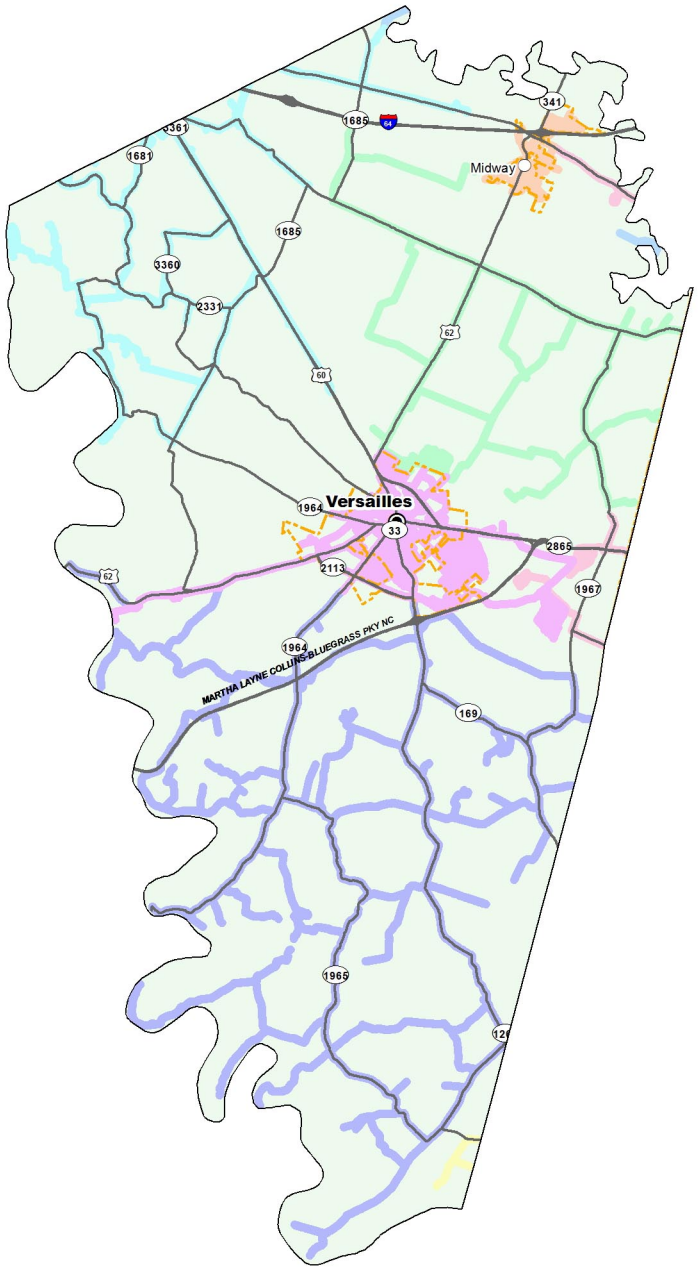
Water Resource Information System



System Summary for Midway Municipal Water Works

PWSID	KY1200283	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$45.54 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$45.54 per 4,000 gallons.	Total Connections	748
Residential Customers	699	Total Produced (MG)	-
Commercial Customers	49	Total Purchased (MG)	83.644
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	100%
Total Distribution System Line Length = 16.80 miles (Distribution: 16.80 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Midway Municipal Water Works

System Summary for Northeast Woodford County Water District

PWSID	KY1200310	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$21.42 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,009
Residential Customers	995	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	196.330
Institutional Customers	-	Total Inside Usage (MG)	133.301
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	32%
Total Distribution System Line Length = 47.75 miles (Distribution: 47.75 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Northeast Woodford County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239035	Versailles - Water Treatment Plant Improvements - Generators	0-2 Years	Not Funded	$3,375,500	Woodford	1	1

System Summary for South Woodford County Water District

PWSID	KY1200411	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$29.48 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,618
Residential Customers	1,597	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	187.038
Institutional Customers	-	Total Inside Usage (MG)	128.098
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 113.55 miles (Distribution: 113.55 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for South Woodford County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239035	Versailles - Water Treatment Plant Improvements - Generators	0-2 Years	Not Funded	$3,375,500	Woodford	1	1
WX21239015	South Woodford Water District - Cummins Ferry Water Line Replace	0-2 Years	Not Funded	$412,000	Woodford	32	4
WX21239022	South Woodford Water District Radio Read Meters	3-5 Years	Not Funded	$378,500	Woodford		
WX21239017	South Woodford Water District - Fords Mill/Sellers Mill Water Line Connection	3-5 Years	Not Funded	$243,000	Woodford		
WX21239016	South Woodford Water District-Emergency Connection to Jessamine S. Elkhorn Water District (Jsewd)	3-5 Years	Not Funded	$92,500	Woodford		

System Summary for Versailles Municipal Water

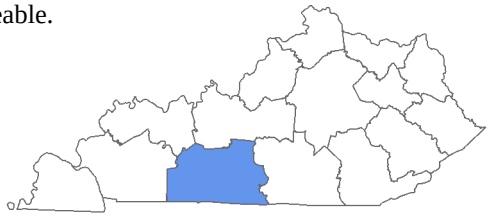
PWSID	KY1200439	Treats Water	Yes, 1 plant with total capacity of 10.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$21.59 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$25.41 per 4,000 gallons.	Total Connections	6,610
Residential Customers	5,868	Total Produced (MG)	1,052.022
Commercial Customers	733	Total Purchased (MG)	0.133
Institutional Customers	-	Total Inside Usage (MG)	457.186
Industrial Customers	7	Total Wholesale Sold (MG)	336.006
Wholesale Customers	2	Estimated Pct. Water Loss	25%
Total Distribution System Line Length = 94.68 miles (Distribution: 83.91 miles, Transmission: 10.77 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Versailles Municipal Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239035	Versailles - Water Treatment Plant Improvements - Generators	0-2 Years	Not Funded	$3,375,500	Woodford	1	1
WX21239034	Versailles - Water Distribution System Improvements - Low Pressu	0-2 Years	Not Funded	$1,314,500	Woodford	28	2
WX21239030	Automatic Meter Reading (AMR) System	0-2 Years	Not Funded	$2,807,000	Woodford		
WX21239033	Versailles - Water Distribution System Improvements Phase 2	0-2 Years	Not Funded	$1,480,000	Woodford		

Barren River Area Development District (BRADD)



- 2010 census population of 284,195 (126,280 households) with 97% serviceable.
- Projected 2020 population of 316,297 (change of 32,102).
- 6,846.48 miles of existing water lines.
- 111.00 miles of line extensions proposed in the next 10 years.
- 93.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $157,752,208.
- Estimated funding needs for projects from 6 to 10 years: $14,113,200.
- Average age of structures: water treatment plants is 44 years; water tanks is 30 years.
- Total number of interconnected systems is 40.
- 181 miles of asbestos concrete pipe currently in use.
- 557 miles of water lines less than 15 years old.
- 1,765 miles of water lines between 15 and 30 years old.
- 2,939 miles of water lines between 31 and 50 years old.
- 1,661 miles of water lines between 51 and 70 years old.
- 20 miles of water lines greater than 70 years old.

Barren River Area Development District has a 2010 census population count of 284,195 (126,280 households) with a projected 2020 population count of 316,297 (128,239 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 546 serviceable households will be added through the construction of 111.00 miles of water line extensions and approximately 144,235 instances of improved service through the rehabilitation of 93.00 miles of existing water lines and other appurtenances. 14.00 miles of transmission lines are also proposed within this district.

County Summary for Barren River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Allen	19,956	9,307	22,366	9,171	9,095	98%	$ 6,500,300
Barren	42,173	19,188	46,361	19,245	19,113	100%	$ 12,703,000
Butler	12,690	5,877	12,544	5,178	5,658	96%	$ 8,911,075
Edmonson	12,161	6,467	12,628	5,283	6,380	99%	$ 3,853,128
Hart	18,199	8,559	18,690	7,604	8,450	99%	$ 20,126,513
Logan	26,835	12,339	27,382	11,301	12,212	99%	$ 12,707,502
Metcalfe	10,099	4,681	10,329	4,306	4,542	97%	$ 14,255,390
Monroe	10,963	5,204	10,405	4,423	5,126	99%	$ 8,612,225
Simpson	17,327	7,435	18,342	7,429	7,188	97%	$ 10,467,275
Warren	113,792	47,223	137,250	54,299	44,731	95%	$ 73,729,000
Totals	**284,195**	**126,280**	**316,297**	**128,239**	**122,495**	**97%**	**$ 171,865,408**

Kentucky Infrastructure Authority
January 04, 2019

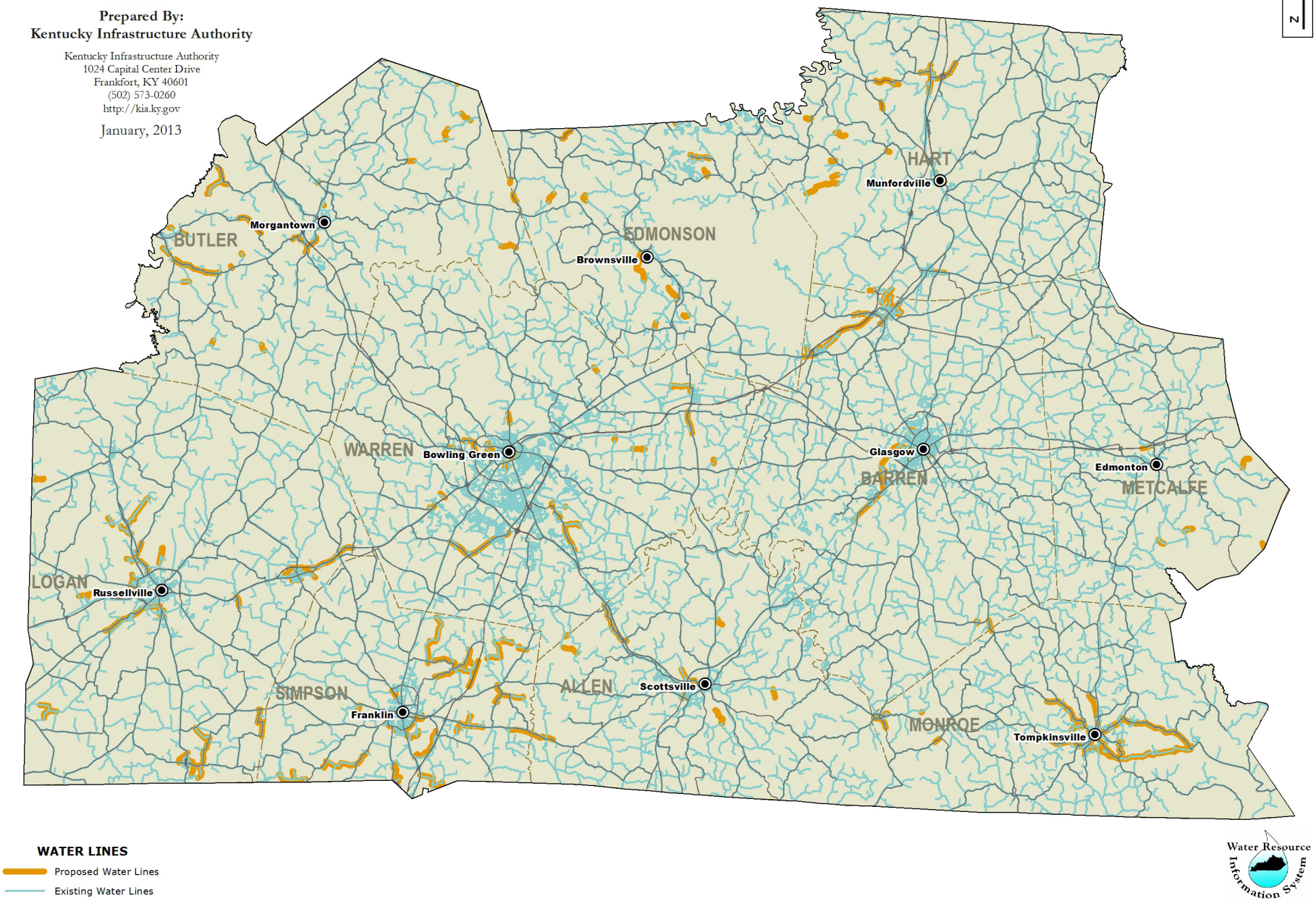
EXISTING & PROPOSED WATER LINES

BRADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Barren River Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020956	Allen County Water District	Allen	13,508	6,139
KY0020386	Scottsville Water Department	Allen	5,114	2,444
KY0050344	Caveland Environmental Authority	Barren	3,264	1,587
KY0050929	Glasgow Water Company	Barren	36,782	16,727
KY0160052	Butler County Water System	Butler	10,662	4,913
KY0160294	Morgantown Utilities	Butler	2,218	1,022
KY0310706	Brownsville Municipal Water System	Edmonson	692	350
KY0310114	Edmonson County Water District	Edmonson	17,593	10,364
KY0500032	Bonnieville Water District	Hart	443	246
KY0500166	Green River Valley Water District	Hart	16,310	7,282
KY0500476	Horse Cave Water System	Hart	2,287	1,112
KY0500305	Munfordville Water Works	Hart	1,484	757
KY0710001	Adairville Water Works	Logan	907	439
KY0710012	Auburn Water Department	Logan	1,376	645
KY0710951	East Logan Water District	Logan	7,828	3,214
KY0710247	Lewisburg Water Works	Logan	2,498	1,208
KY0710318	North Logan Water District	Logan	1,409	623
KY0710378	Russellville Municipal Water System	Logan	7,177	3,448
KY0710707	South Logan Water Association	Logan	4,104	1,809
KY0850115	Edmonton Water Works	Metcalfe	7,196	3,321
KY0860141	Fountain Run Water District #1	Monroe	878	485
KY0860150	Monroe County Water District	Monroe	7,951	3,677
KY0860426	Tompkinsville Water Works	Monroe	2,402	1,201
KY1070144	Franklin Water Works	Simpson	10,453	4,590
KY1070398	Simpson County Water District	Simpson	6,710	2,806
KY1140038	Bowling Green Municipal Utilities	Warren	46,601	19,642
KY1140487	Warren County Water District	Warren	61,634	25,175
		Totals:	279,481	125,226

Project Rankings For Barren River Area Development District

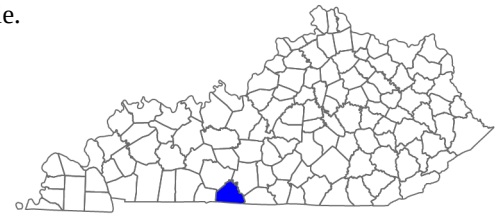
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141060	Russellville City Park Tank	0-2 Years	Not Funded	$1,300,000	Logan	1	1
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	$2,600,000	Barren	2	1
WX21031042	Morgantown - Water Plant Improvements	3-5 Years	Not Funded	$500,000	Butler	3	1
WX21169039	Edmonton Water Improvement Project - Contract A & B	0-2 Years	Not Funded	$6,604,900	Metcalfe	4	1
WX21227053	WCWD - Morgantown Road Area Improvements	0-2 Years	Fully Funded	$2,000,000	Warren	5	1
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	$977,075	Hart	6	1
WX21003020	Water Line Extension to Sumitomo Plant	3-5 Years	Not Funded	$654,300	Allen	7	1
WX21213048	Steele Road Water Service Improvements	0-2 Years	Not Funded	$408,000	Simpson	8	1
WX21171049	New Automatic Read Meters	0-2 Years	Not Funded	$800,000	Monroe	9	1
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	$1,061,585	Edmonson	10	1
WX21031046	BCWS - Pump Station Standby Power System	0-2 Years	Not Funded	$90,000	Butler	11	2
WX21213047	North Main Street Water Line Replacement	0-2 Years	Not Funded	$75,000	Simpson	12	2
WX21169041	12-inch Dedicated Fire Line to Sumitomo	3-5 Years	Not Funded	$330,400	Metcalfe	13	2
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	0-2 Years	Not Funded	$2,000,000	Barren	14	2
WX21003012	City of Scottsville - WTP Emergency Generator Project	0-2 Years	Not Funded	$1,493,000	Allen	15	2
WX21141059	Water Office & Southern Bypass Extension	0-2 Years	Not Funded	$1,065,000	Logan	16	2
WX21099040	Munfordville Water Meter Replacement	0-2 Years	Not Funded	$510,000	Hart	17	2
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	$176,000	Edmonson	18	2
WX21171037	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	3-5 Years	Not Funded	$123,000	Monroe	19	2
WX21227044	BGMU - New Southcentral 1.0 Million Gallon Tank (Campbell Tank)	3-5 Years	Not Funded	$12,000,000	Warren	20	2
WX21213046	Water System Improvements	0-2 Years	Not Funded	$987,300	Simpson	21	3
WX21171047	Downtown Waterline Replacement	0-2 Years	Not Funded	$1,066,100	Monroe	22	3
WX21099024	Horse Cave - Water Line Improvements	3-5 Years	Not Funded	$950,000	Hart	23	3
WX21227028	WCWD - Greenwood Pump Station #2	3-5 Years	Not Funded	$275,000	Warren	24	3
WX21003003	White Plains Tank Painting	3-5 Years	Not Funded	$250,000	Allen	25	3
WX21031039	Morgantown - Water Tank	0-2 Years	Fully Funded	$200,000	Butler	26	3
WX21141058	Auburn Water Meter, Remote Read Project	0-2 Years	Not Funded	$225,000	Logan	27	3
WX21061014	Edmonson County Water Improvement - Treatment Plant Expansion	3-5 Years	Not Funded	$5,000,000	Grayson	28	3
WX21009034	Caveland Environmental - Cave City Water Lines	0-2 Years	Not Funded	$1,500,000	Barren	29	3
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	$2,000,000	Metcalfe	30	3
WX21031051	Creek Crossing Relocations	0-2 Years	Not Funded	$300,000	Butler	31	4
WX21227045	BGMU - Install Check Valve System In 3 Tanks	0-2 Years	Not Funded	$225,000	Warren	32	4
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank Demolition	3-5 Years	Not Funded	$350,000	Allen	33	4
WX21141061	Coating Inside/Outside of Downtown Water Tower	0-2 Years	Not Funded	$171,000	Logan	34	4

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21099025	Bonnieville - Water Line Improvements	3-5 Years	Not Funded	$805,000	Hart	35	4
WX21169022	Edmonton - A. Smith Rd Extension	3-5 Years	Not Funded	$32,000	Metcalfe	36	4
WX21171039	Monroe County Water District Improvements - Water Storage Tanks	3-5 Years	Not Funded	$200,000	Monroe	38	4
WX21213029	City of Franklin - Morgantown Rd Water Line	3-5 Years	Not Funded	$336,000	Simpson	39	4
WX21009035	Caveland Environmental - Cave City Water Line Replacement	3-5 Years	Not Funded	$600,000	Barren	40	4
WX21003021	KY 231 Elevated Water Tank	0-2 Years	Not Funded	$1,750,000	Allen	41	5
WX21227060	WCWD - Kelly Vance Pump Station Upgrade	6-10 Years	Not Funded	$835,000	Warren	42	5
WX21141001	Adairville - Water Line Ext to F. Hills Subdivision	6-10 Years	Not Funded	$25,000	Logan	43	5
WX21031050	BCWS - Muhlenberg Tank Replacement	0-2 Years	Not Funded	$550,000	Butler	44	5
WX21171043	Fountain Run Water District #1 - Fire Hydrant Replacement	6-10 Years	Not Funded	$41,000	Monroe	45	5
WX21213017	SCWD - Neosheo Tank	6-10 Years	Not Funded	$1,100,000	Simpson	46	5
WX21009036	Caveland Environmental - Park City Water Line #1	0-2 Years	Not Funded	$700,000	Barren	47	5
WX21099036	City of Munfordville Water System Analysis	0-2 Years	Not Funded	$132,000	Hart	48	5
			Total Cost:	**$55,373,660**			

Allen County

- 2010 census population of 19,956 (9,307 households) with 98% serviceable.
- Projected 2020 population of 22,366 (change of 2,410).
- Allen County has 601.37 miles of existing water lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 8.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,223,300.
- Estimated funding needs for projects from 6 to 10 years: $277,000.



Allen County has a 2010 census population count of 19,956 (9,307 households) with a projected 2020 population count of 22,366 (9,171 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 5,940 instances of improved service through the rehabilitation of 8.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Allen County Water District	2	$3,240,000	-	3,840	1.00	8.00	-
City of Scottsville	4	$2,747,300	-	2,100	-	-	1.00
Fountain Run Water District #1	1	$151,000	3	-	1.00	-	-
Simpson County Water District	1	$277,000	3	-	2.00	-	-
Warren County Water District	1	$85,000	6	-	1.00	-	-
Totals:	**9**	**$6,500,300**	**12**	**5,940**	**5.00**	**8.00**	**1.00**

Community Drinking Water Systems in Allen County

Note: Serviceability counts are for households within Allen county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020956	Allen County Water District	Allen	13,503	6,138
KY0020386	Scottsville Water Department	Allen	5,114	2,444
KY0050929	Glasgow Water Company	Barren	132	147
KY0860141	Fountain Run Water District #1	Monroe	273	139
KY1070398	Simpson County Water District	Simpson	297	144
KY1140487	Warren County Water District	Warren	206	83
		Totals:	19,525	9,095

Kentucky Infrastructure Authority
January 04, 2019

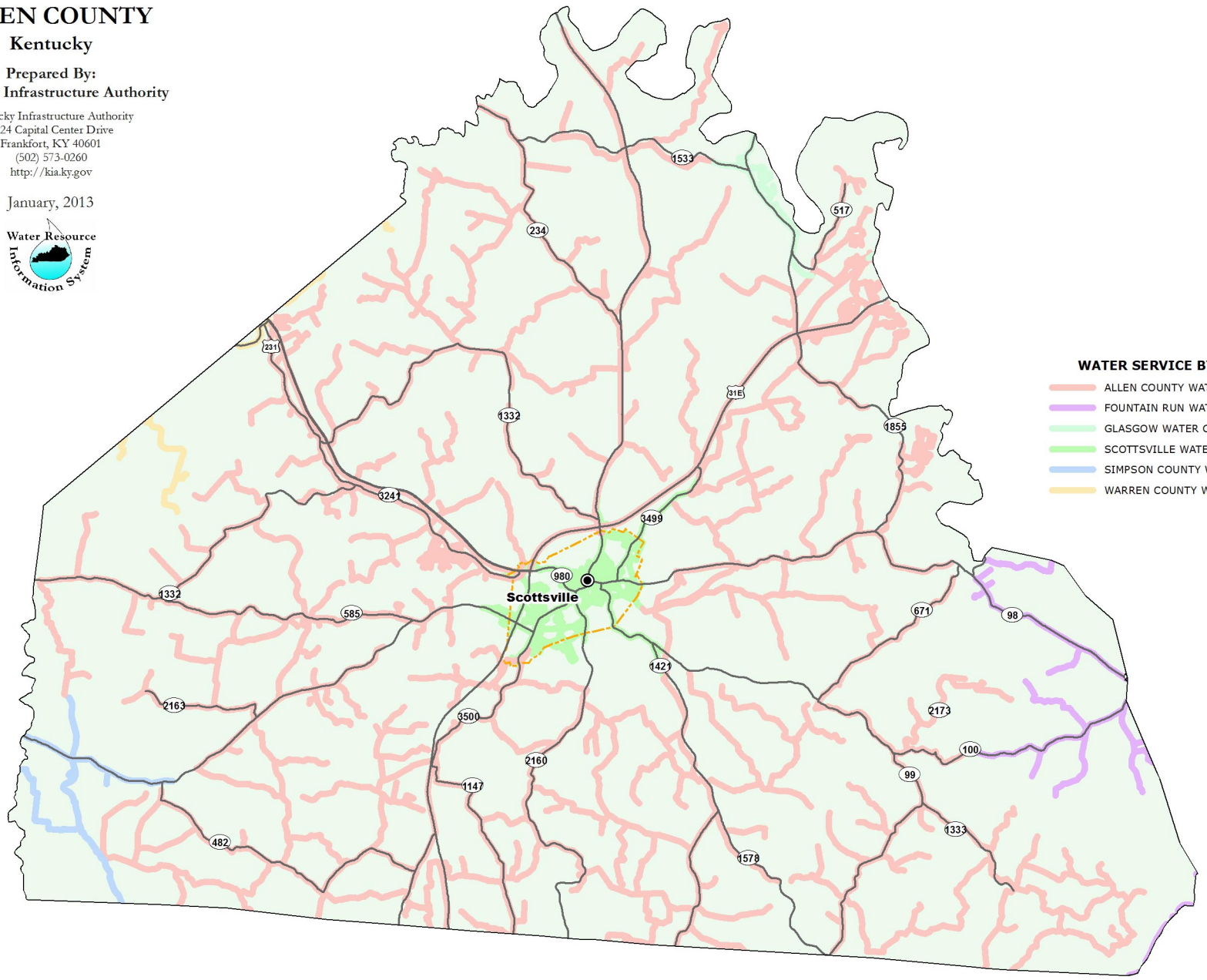
WATER SERVICE AREAS
ALLEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Allen County Water District

PWSID	KY0020956	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	12	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$28.59 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,476
Residential Customers	5,159	Total Produced (MG)	-
Commercial Customers	308	Total Purchased (MG)	275.614
Institutional Customers	9	Total Inside Usage (MG)	279.218
Industrial Customers	-	Total Wholesale Sold (MG)	21.155
Wholesale Customers	1	Estimated Pct. Water Loss	-9%

Total Distribution System Line Length = 474.10 miles (Distribution: 449.33 miles, Transmission: 24.77 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Allen County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	$2,600,000	Barren	2	1
WX21003021	KY 231 Elevated Water Tank	0-2 Years	Not Funded	$1,750,000	Allen	41	5
WX21003022	Old KY 231 Water Line Replacement	0-2 Years	Not Funded	$1,490,000	Allen		

System Summary for Scottsville Water Department

PWSID	KY0020386	Treats Water	Yes, 1 plant with total capacity of 1.512 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.19 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$31.19 per 4,000 gallons.	Total Connections	2,386
Residential Customers	2,067	Total Produced (MG)	348.785
Commercial Customers	290	Total Purchased (MG)	21.155
Institutional Customers	-	Total Inside Usage (MG)	163.011
Industrial Customers	19	Total Wholesale Sold (MG)	10.640
Wholesale Customers	1	Estimated Pct. Water Loss	53%
Total Distribution System Line Length = 82.74 miles (Distribution: 68.99 miles, Transmission: 13.75 miles).			

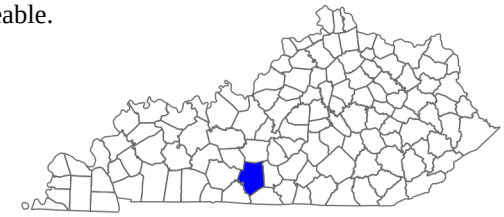
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Scottsville Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21003020	Water Line Extension to Sumitomo Plant	3-5 Years	Not Funded	$654,300	Allen	7	1
WX21003012	City of Scottsville - WTP Emergency Generator Project	0-2 Years	Not Funded	$1,493,000	Allen	15	2
WX21003003	White Plains Tank Painting	3-5 Years	Not Funded	$250,000	Allen	25	3
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank Demolition	3-5 Years	Not Funded	$350,000	Allen	33	4

Barren County

- 2010 census population of 42,173 (19,188 households) with 100% serviceable.
- Projected 2020 population of 46,361 (change of 4,188).
- Barren County has 1,026.70 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 10.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,703,000.
- There are no projects planned from 6 to 10 years.



Barren County has a 2010 census population count of 42,173 (19,188 households) with a projected 2020 population count of 46,361 (19,245 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 10,670 instances of improved service through the rehabilitation of 6.00 miles of existing water lines and other appurtenances. 10.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Caveland Environmental Authority	5	$3,498,000	-	610	-	5.00	-
Glasgow Water and Sewer Commission	4	$9,205,000	-	10,060	-	1.00	10.00
Totals:	**9**	**$12,703,000**	**-**	**10,670**	**-**	**6.00**	**10.00**

Community Drinking Water Systems in Barren County

Note: Serviceability counts are for households within Barren county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0050344	Caveland Environmental Authority	Barren	3,175	1,553
KY0050929	Glasgow Water Company	Barren	36,502	16,525
KY0500166	Green River Valley Water District	Hart	2,150	951
KY0850115	Edmonton Water Works	Metcalfe	30	12
KY0860141	Fountain Run Water District #1	Monroe	89	53
		Totals:	41,946	19,094

Kentucky Infrastructure Authority
January 04, 2019

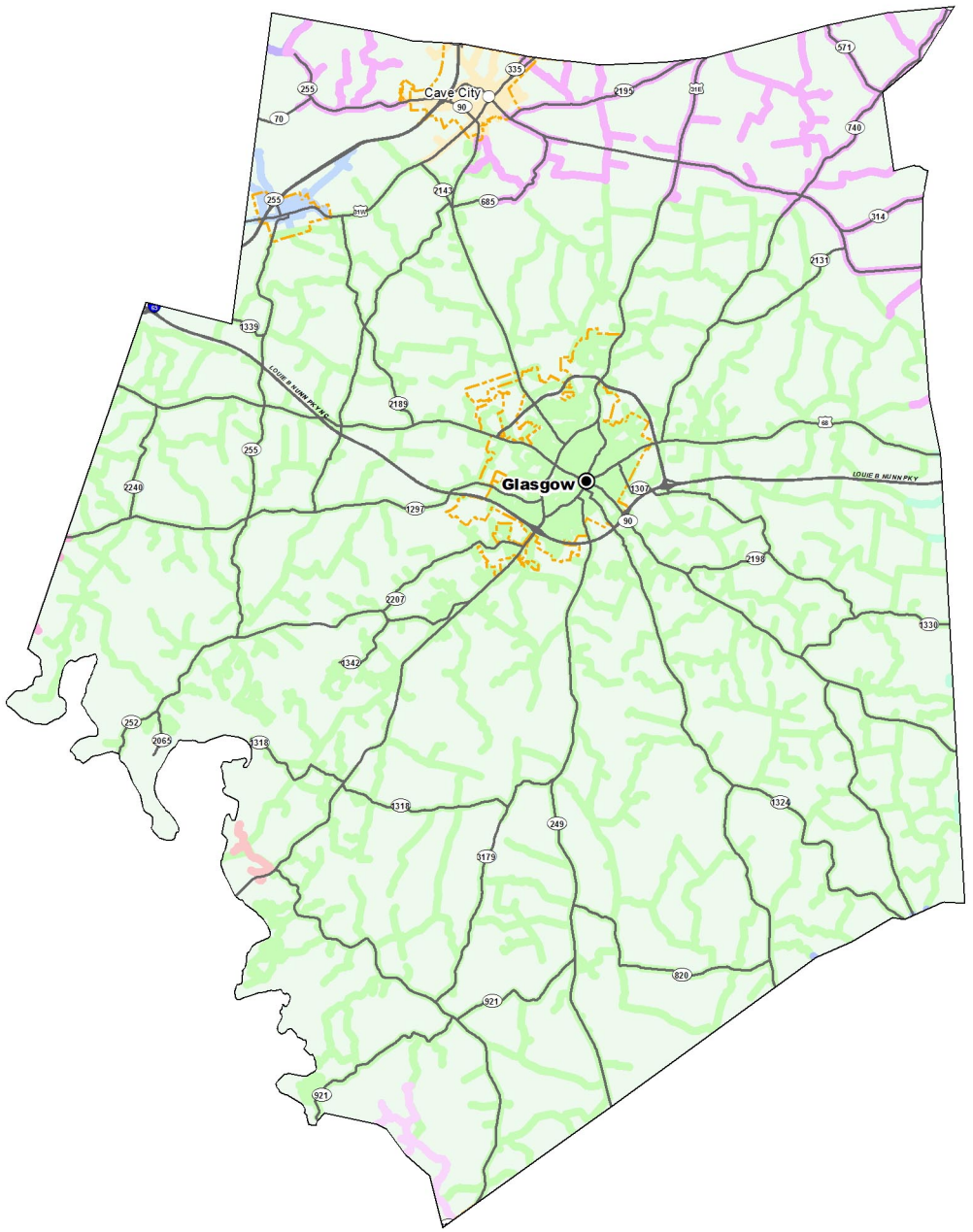
WATER SERVICE AREAS
BARREN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BARREN RIVER STATE RESORT PARK
- CAVE CITY WATER SYSTEM
- CAVELAND ENVIRONMENTAL AUTHORITY
- EDMONSON COUNTY WATER DISTRICT
- EDMONTON WATER WORKS
- FOUNTAIN RUN WATER DISTRICT #1
- GLASGOW WATER COMPANY
- GREEN RIVER VALLEY WATER DISTRICT
- MAMMOTH CAVE
- MONROE COUNTY WATER DISTRICT
- WARREN COUNTY WATER DISTRICT

Barren County (continued)

System Summary for Caveland Environmental Authority

PWSID	KY0050344	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Joint Sewer Agency	Groundwater Source	No
Employees	22	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$24.96 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,600
Residential Customers	1,366	Total Produced (MG)	-
Commercial Customers	232	Total Purchased (MG)	217.880
Institutional Customers	2	Total Inside Usage (MG)	183.691
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 53.39 miles (Distribution: 48.72 miles, Transmission: 4.66 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Caveland Environmental Authority

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	$2,600,000	Barren	2	1
WX21009034	Caveland Environmental - Cave City Water Lines	0-2 Years	Not Funded	$1,500,000	Barren	29	3
WX21009035	Caveland Environmental - Cave City Water Line Replacement	3-5 Years	Not Funded	$600,000	Barren	40	4
WX21009036	Caveland Environmental - Park City Water Line #1	0-2 Years	Not Funded	$700,000	Barren	47	5
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		
WX21009037	Caveland Environmental - Park City Water Lines #2	3-5 Years	Not Funded	$500,000	Barren		
WX21009030	Caveland Environmental - Blair Road	3-5 Years	Not Funded	$198,000	Barren		

System Summary for Glasgow Water Company

PWSID	KY0050929	Treats Water	Yes, 2 plants with total capacity of 14.520 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	48	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 7 purchasers.
Inside Mun. Cost	$15.07 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$20.39 per 4,000 gallons.	Total Connections	17,011
Residential Customers	15,680	Total Produced (MG)	2,702.701
Commercial Customers	1,179	Total Purchased (MG)	1.480
Institutional Customers	-	Total Inside Usage (MG)	1,546.714
Industrial Customers	83	Total Wholesale Sold (MG)	622.451
Wholesale Customers	7	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 884.11 miles (Distribution: 883.95 miles, Transmission: 0.16 miles).

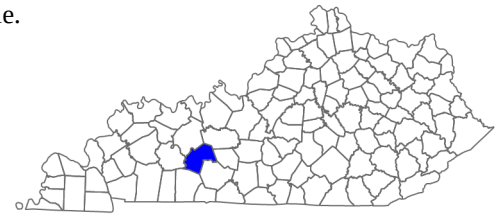
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Glasgow Water Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	$2,600,000	Barren	2	1
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	0-2 Years	Not Funded	$2,000,000	Barren	14	2
WX21009032	Glasgow Water Improvement - 20 Inch Transmission Line to Haywood	3-5 Years	Not Funded	$4,500,000	Barren		
WX21009029	Westside Line Improvement - Glasgow	0-2 Years	Not Funded	$105,000	Barren		

Butler County

- 2010 census population of 12,690 (5,877 households) with 96% serviceable.
- Projected 2020 population of 12,544 (change of -146).
- Butler County has 499.58 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 8.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,043,075.
- Estimated funding needs for projects from 6 to 10 years: $868,000.



Butler County has a 2010 census population count of 12,690 (5,877 households) with a projected 2020 population count of 12,544 (5,178 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 23 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 49 instances of improved service through the rehabilitation of 8.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Butler County Water System Inc	13	$7,434,000	22	49	15.00	8.00	-
City of Morgantown	1	$500,000	-	-	-	-	-
Edmonson County Water District	1	$977,075	1	-	1.00	-	-
Totals:	**15**	**$8,911,075**	**23**	**49**	**16.00**	**8.00**	**-**

Community Drinking Water Systems in Butler County

Note: Serviceability counts are for households within Butler county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0160052	Butler County Water System	Butler	9,974	4,609
KY0160294	Morgantown Utilities	Butler	2,218	1,022
KY1140487	Warren County Water District	Warren	38	18
		Totals:	12,230	5,649

Kentucky Infrastructure Authority
January 04, 2019

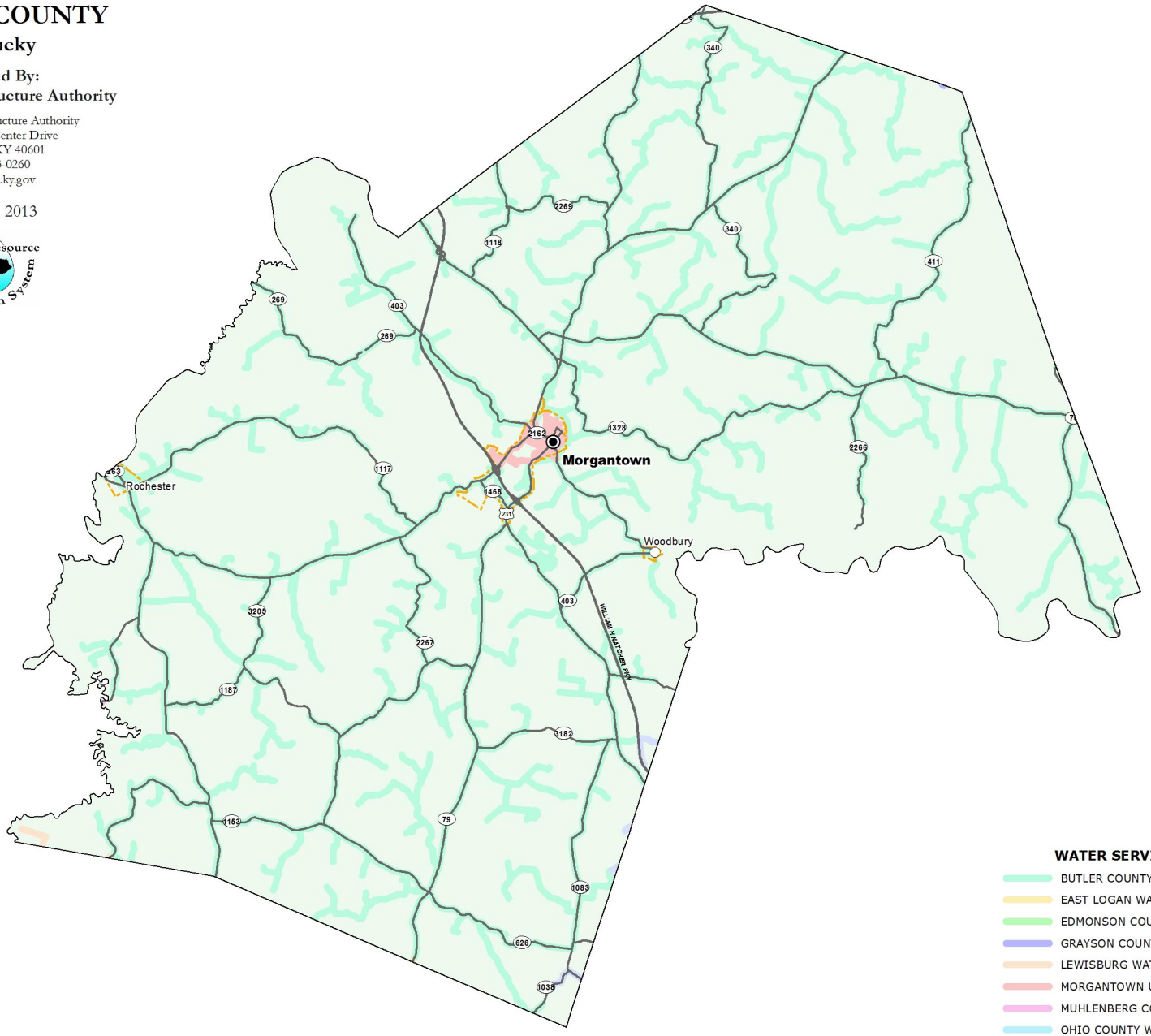
WATER SERVICE AREAS
BUTLER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BUTLER COUNTY WATER SYSTEM
- EAST LOGAN WATER DISTRICT
- EDMONSON COUNTY WATER DISTRICT
- GRAYSON COUNTY WATER DISTRICT
- LEWISBURG WATER WORKS
- MORGANTOWN UTILITIES
- MUHLENBERG COUNTY WATER DISTRICT #1
- OHIO COUNTY WATER DISTRICT
- WARREN COUNTY WATER DISTRICT

System Summary for Butler County Water System

PWSID	KY0160052	Treats Water	Yes, 1 plant with total capacity of 1.512 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water Association	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$29.28 per 4,000 gallons.	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 15 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	4,887
Residential Customers	4,565	Total Produced (MG)	308.788
Commercial Customers	322	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	282.432
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	5	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 505.44 miles (Distribution: 504.33 miles, Transmission: 1.11 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Butler County Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21183038	Rochester Dam Critical Repair Project	0-2 Years	Not Funded	$3,750,000	Ohio	2	1
WX21031046	BCWS - Pump Station Standby Power System	0-2 Years	Not Funded	$90,000	Butler	11	2
WX21031051	Creek Crossing Relocations	0-2 Years	Not Funded	$300,000	Butler	31	4
WX21031049	BCWS - Water Line Extensions & Automatic Meter Reading (AMR) Systems	0-2 Years	Not Funded	$1,701,000	Butler		
WX21031043	BCWS - WTP Capacity Upgrades, Phase 3	3-5 Years	Not Funded	$1,480,000	Butler		
WX21031025	BCWS - Small Diameter Water Line Replacement, Phase 2	3-5 Years	Not Funded	$635,000	Butler		
WX21031028	BCWS - Jetson Tank Replacement	3-5 Years	Not Funded	$550,000	Butler		
WX21031029	BCWS - Hwy 70 Tank Replacement	3-5 Years	Not Funded	$500,000	Butler		
WX21031026	BCWS - Rochester Tank Replacement	3-5 Years	Not Funded	$500,000	Butler		
WX21031047	BCWS - WTP Capacity Upgrades, Phase 4	3-5 Years	Not Funded	$470,000	Butler		
WX21031034	BCWS - Source Interconnect Water Lines	6-10 Years	Not Funded	$468,000	Butler		
WX21031021	BCWS - Rochester Road Water Line Upgrade	6-10 Years	Not Funded	$400,000	Butler		
WX21031045	BCWS - Hwy 231 Water Line Replacement, Phase 2	3-5 Years	Not Funded	$170,000	Butler		
WX21031032	BCWS - Gardner Ln. Water Line Extension	3-5 Years	Not Funded	$170,000	Butler		
WX21031027	BCWS - Muhlenburg Tank Transmission Line and Fire Protection	3-5 Years	Not Funded	$165,000	Butler		

System Summary for Morgantown Utilities

PWSID	KY0160294	Treats Water	Yes, 1 plant with total capacity of 0.972 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	$30.78 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,068
Residential Customers	823	Total Produced (MG)	90.065
Commercial Customers	176	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	79.356
Industrial Customers	13	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 16.86 miles (Distribution: 16.74 miles, Transmission: 0.12 miles).			

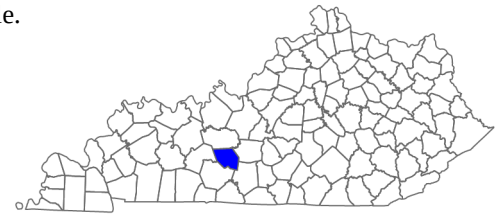
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Morgantown Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21183038	Rochester Dam Critical Repair Project	0-2 Years	Not Funded	$3,750,000	Ohio	2	1
WX21031042	Morgantown - Water Plant Improvements	3-5 Years	Not Funded	$500,000	Butler	3	1

Edmonson County

- 2010 census population of 12,161 (6,467 households) with 99% serviceable.
- Projected 2020 population of 12,628 (change of 467).
- Edmonson County has 430.00 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,853,128.
- There are no projects planned from 6 to 10 years.



Edmonson County has a 2010 census population count of 12,161 (6,467 households) with a projected 2020 population count of 12,628 (5,283 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 243 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 75 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Edmonson County Water District	5	$3,853,128	243	75	12.00	2.00	-
Totals:	**5**	**$3,853,128**	**243**	**75**	**12.00**	**2.00**	**-**

Community Drinking Water Systems in Edmonson County

Note: Serviceability counts are for households within Edmonson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0310706	Brownsville Municipal Water System	Edmonson	692	350
KY0310114	Edmonson County Water District	Edmonson	11,068	5,926
KY0050929	Glasgow Water Company	Barren	112	42
KY1140487	Warren County Water District	Warren	90	39
		Totals:	11,962	6,357

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
EDMONSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System

WATER SERVICE BY OWNER

- BROWNSVILLE MUNICIPAL WATER SYSTEM
- BUTLER COUNTY WATER SYSTEM
- CAVELAND ENVIRONMENTAL AUTHORITY
- EDMONSON COUNTY WATER DISTRICT
- GLASGOW WATER COMPANY
- MAMMOTH CAVE
- NOLIN LAKE STATE PARK
- WARREN COUNTY WATER DISTRICT

System Summary for Brownsville Municipal Water System

PWSID	KY0310706	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$23.92 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	467
Residential Customers	313	Total Produced (MG)	-
Commercial Customers	154	Total Purchased (MG)	35.076
Institutional Customers	-	Total Inside Usage (MG)	23.733
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 9.16 miles (Distribution: 9.16 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Brownsville Municipal Water System

System Summary for Edmonson County Water District

PWSID	KY0310114	Treats Water	Yes, 2 plants with total capacity of 3.940 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	24	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$25.25 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 18 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	-	Total Connections	10,396
Residential Customers	10,396	Total Produced (MG)	582.336
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	410.933
Industrial Customers	-	Total Wholesale Sold (MG)	35.076
Wholesale Customers	3	Estimated Pct. Water Loss	23%

Total Distribution System Line Length = 669.74 miles (Distribution: 669.50 miles, Transmission: 0.24 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Edmonson County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	$977,075	Hart	6	1
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	$1,061,585	Edmonson	10	1
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	$176,000	Edmonson	18	2
WX21061014	Edmonson County Water Improvement - Treatment Plant Expansion	3-5 Years	Not Funded	$5,000,000	Grayson	28	3
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	$348,468	Grayson	37	4
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	$348,468	Grayson	47	
WX21061027	Edmonson County Water District - Edmonson and Hart Extensions # 1	3-5 Years	Not Funded	$1,290,000	Edmonson		

System Summary for Mammoth Cave

PWSID	KY0310940	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Joint Sewer Agency	Groundwater Source	No
Employees	22	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$38.12 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	7
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	56	Total Purchased (MG)	11.556
Institutional Customers	1	Total Inside Usage (MG)	11.087
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	4%

Total Distribution System Line Length = 14.16 miles (Distribution: 14.16 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Mammoth Cave

Hart County

- 2010 census population of 18,199 (8,559 households) with 99% serviceable.
- Projected 2020 population of 18,690 (change of 491).
- Hart County has 659.82 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $20,126,513.
- There are no projects planned from 6 to 10 years.

Hart County has a 2010 census population count of 18,199 (8,559 households) with a projected 2020 population count of 18,690 (7,604 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 45 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 50,927 instances of improved service through the rehabilitation of 9.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Caveland Environmental Authority	1	$198,000	-	13	-	1.00	-
City of Bonnieville	2	$2,845,100	20	310	-	6.00	-
City of Horse Cave	1	$950,000	-	104	-	2.00	-
City of Munfordville	2	$642,000	-	500	-	-	-
Edmonson County Water District	3	$3,328,660	12	-	4.00	-	-
Green River Valley Water District	5	$12,162,753	13	50,000	-	-	-
Totals:	**14**	**$20,126,513**	**45**	**50,927**	**4.00**	**9.00**	**-**

Community Drinking Water Systems in Hart County

Note: Serviceability counts are for households within Hart county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0500032	Bonnieville Water District	Hart	443	246
KY0500166	Green River Valley Water District	Hart	9,611	4,272
KY0500476	Horse Cave Water System	Hart	2,287	1,112
KY0500305	Munfordville Water Works	Hart	1,484	757
KY0050344	Caveland Environmental Authority	Barren	88	33
KY0310114	Edmonson County Water District	Edmonson	3,325	1,711
KY0470175	Hardin County Water District #2	Hardin	732	318
		Totals:	17,970	8,449

Kentucky Infrastructure Authority
January 04, 2019

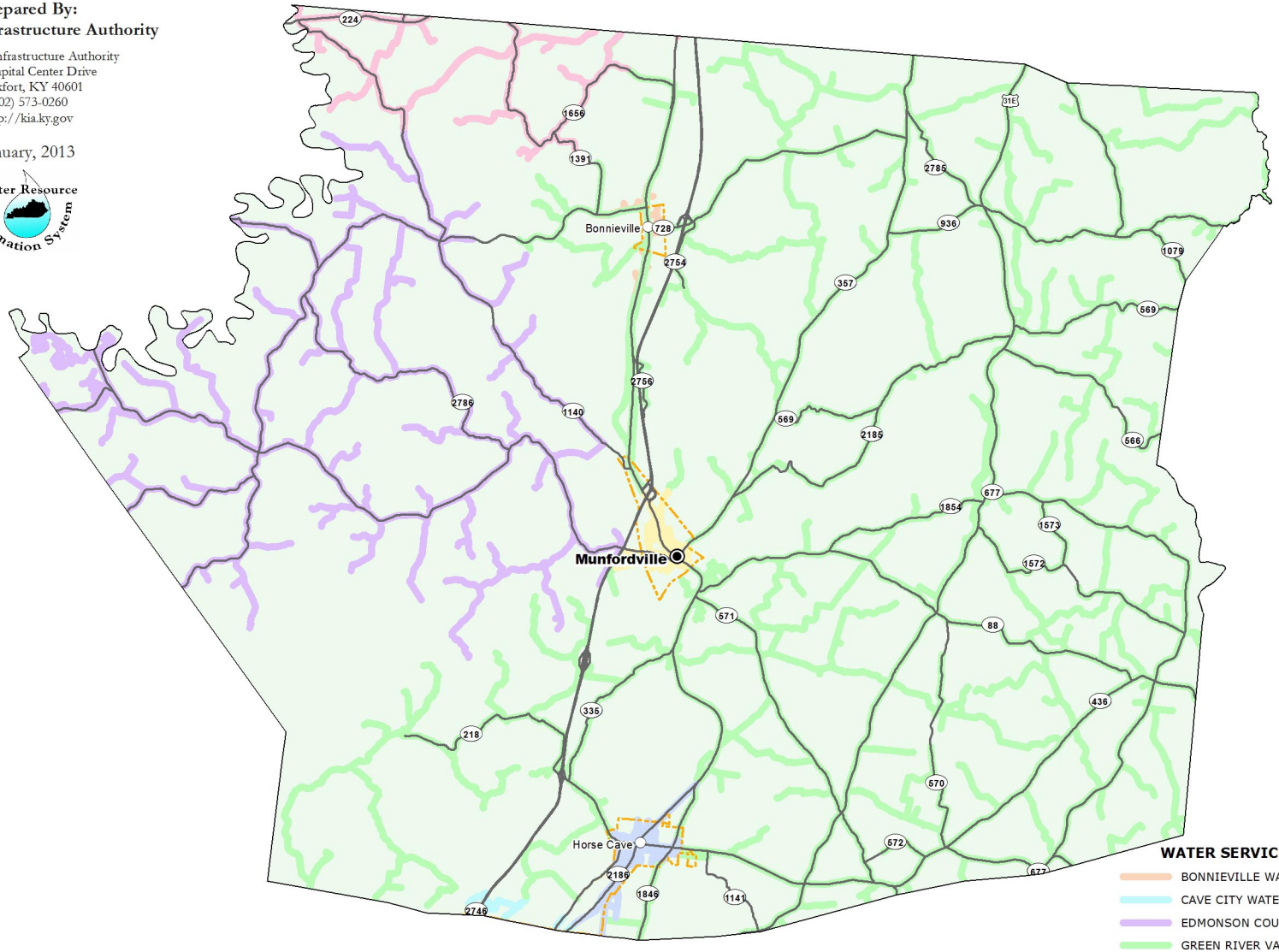
WATER SERVICE AREAS
HART COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Bonnieville Water District

PWSID	KY0500032	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$26.15 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	244
Residential Customers	237	Total Produced (MG)	-
Commercial Customers	6	Total Purchased (MG)	15.346
Institutional Customers	-	Total Inside Usage (MG)	11.068
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 8.37 miles (Distribution: 8.37 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bonnieville Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21099025	Bonnieville - Water Line Improvements	3-5 Years	Not Funded	$805,000	Hart	35	4
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		
WX21099033	Bonnieville Waterline Improvement Project	3-5 Years	Not Funded	$2,040,100	Hart		
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	$304,750	Hart		

System Summary for Green River Valley Water District

PWSID	KY0500166	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	25	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$27.43 per 4,000 gallons.	Wholesale Provider	Yes, to 7 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 13 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	7,000
Residential Customers	6,722	Total Produced (MG)	1,385.893
Commercial Customers	256	Total Purchased (MG)	0.900
Institutional Customers	22	Total Inside Usage (MG)	463.597
Industrial Customers	-	Total Wholesale Sold (MG)	686.684
Wholesale Customers	7	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 724.49 miles (Distribution: 713.14 miles, Transmission: 11.35 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Green River Valley Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	$977,075	Hart	6	1
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		
WX21099031	GRVWD - Electronic Meter Read Upgrade	3-5 Years	Not Funded	$3,546,003	Hart		
WX21061027	Edmonson County Water District - Edmonson and Hart Extensions # 1	3-5 Years	Not Funded	$1,290,000	Edmonson		
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	$304,750	Hart		
WX21099032	GRVWD - Radio Telemetry Upgrades	3-5 Years	Not Funded	$162,000	Hart		
WX21099030	GRVWD - Property Purchase to Expand WTP	3-5 Years	Not Funded	$150,000	Hart		

System Summary for Horse Cave Water System

PWSID	KY0500476	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$33.40 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	896
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	258.948
Institutional Customers	-	Total Inside Usage (MG)	215.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 36.68 miles (Distribution: 34.45 miles, Transmission: 2.23 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Horse Cave Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21099024	Horse Cave - Water Line Improvements	3-5 Years	Not Funded	$950,000	Hart	23	3
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		

System Summary for Munfordville Water Works

PWSID	KY0500305	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$20.00 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	688
Residential Customers	563	Total Produced (MG)	-
Commercial Customers	124	Total Purchased (MG)	100.000
Institutional Customers	-	Total Inside Usage (MG)	48.691
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	51%

Total Distribution System Line Length = 16.48 miles (Distribution: 16.48 miles, Transmission: 0.00 miles).

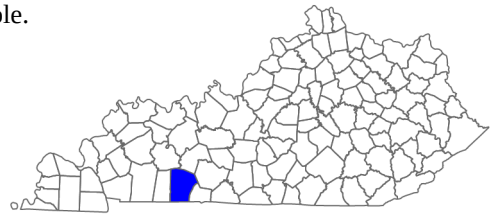
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Munfordville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21099040	Munfordville Water Meter Replacement	0-2 Years	Not Funded	$510,000	Hart	17	2
WX21099036	City of Munfordville Water System Analysis	0-2 Years	Not Funded	$132,000	Hart	48	5
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		

Logan County

- 2010 census population of 26,835 (12,339 households) with 99% serviceable.
- Projected 2020 population of 27,382 (change of 547).
- Logan County has 870.44 miles of existing water lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,682,502.
- Estimated funding needs for projects from 6 to 10 years: $1,025,000.



Logan County has a 2010 census population count of 26,835 (12,339 households) with a projected 2020 population count of 27,382 (11,301 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1 serviceable households will be added through the construction of 10.00 miles of water line extensions and approximately 4,178 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Adairville	3	$1,025,000	-	11	1.00	1.00	-
City of Auburn	1	$225,000	-	-	-	-	-
City of Lewisburg	2	$391,000	-	1,033	-	-	-
City of Russellville	4	$3,381,502	1	153	6.00	3.00	-
East Logan Water District	2	$3,620,000	-	2,981	-	1.00	-
Logan-Todd Regional Water Commission	1	$3,000,000	-	-	-	-	-
South Logan Water Association Inc	1	$1,065,000	-	-	3.00	-	-
Totals:	**14**	**$12,707,502**	**1**	**4,178**	**10.00**	**5.00**	**-**

Community Drinking Water Systems in Logan County

Note: Serviceability counts are for households within Logan county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0710001	Adairville Water Works	Logan	907	439
KY0710012	Auburn Water Department	Logan	1,376	645
KY0710951	East Logan Water District	Logan	7,823	3,213
KY0710247	Lewisburg Water Works	Logan	2,490	1,202
KY0710318	North Logan Water District	Logan	1,409	623
KY0710378	Russellville Municipal Water System	Logan	7,172	3,447
KY0710707	South Logan Water Association	Logan	4,094	1,805
KY0890302	Muhlenberg County Water District #1	Muhlenberg	156	69
KY1070398	Simpson County Water District	Simpson	94	37
KY1100944	Todd County Water District	Todd	793	628
KY1140487	Warren County Water District	Warren	240	98
		Totals:	26,554	12,206

Kentucky Infrastructure Authority
January 04, 2019

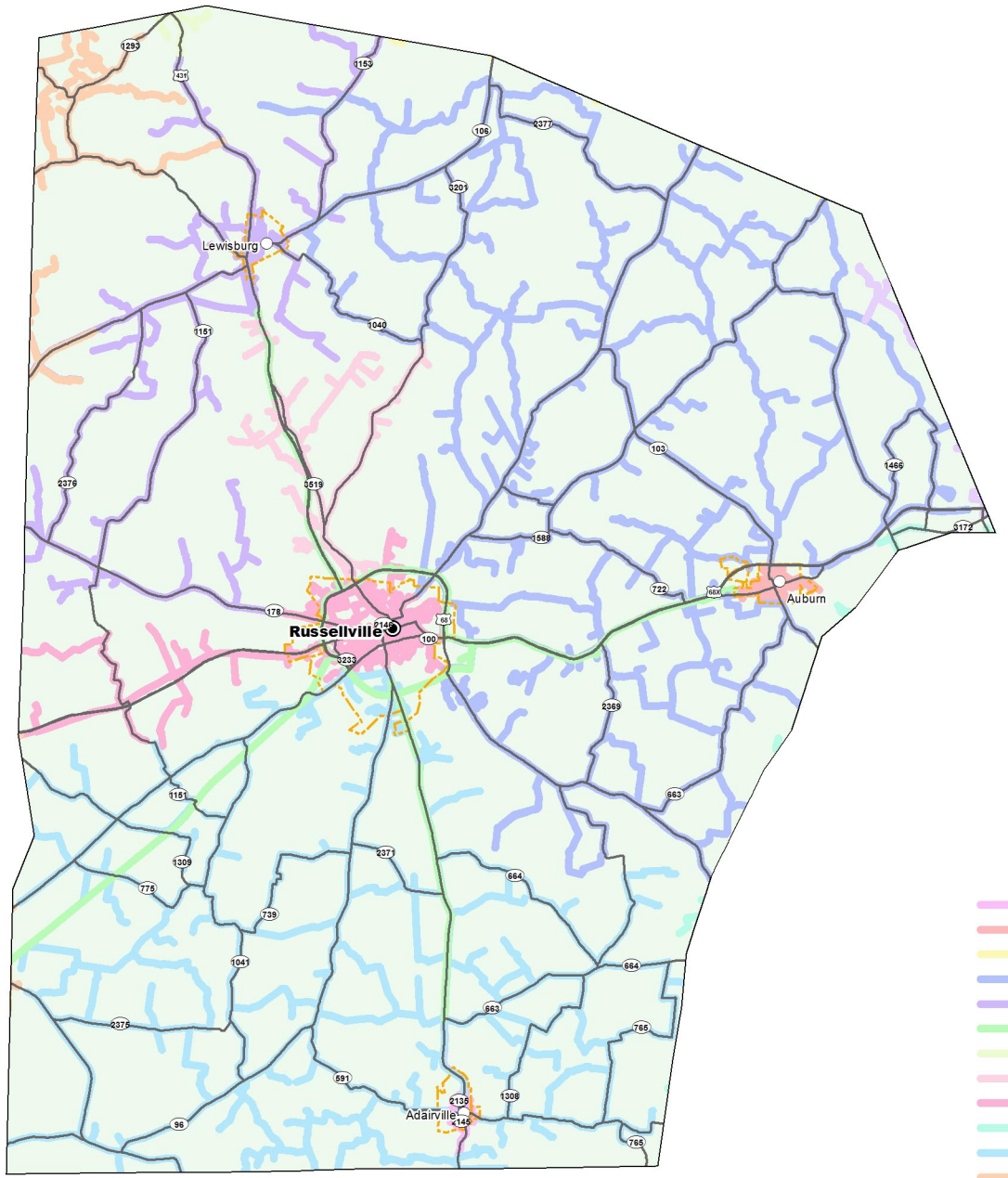
WATER SERVICE AREAS
LOGAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- ADAIRVILLE WATER WORKS
- AUBURN WATER DEPARTMENT
- BUTLER COUNTY WATER SYSTEM
- EAST LOGAN WATER DISTRICT
- LEWISBURG WATER WORKS
- LOGAN/TODD REGIONAL WATER COMMISSION
- MUHLENBERG COUNTY WATER DISTRICT #1
- NORTH LOGAN WATER DISTRICT
- RUSSELLVILLE MUNICIPAL WATER SYSTEM
- SIMPSON COUNTY WATER DISTRICT
- SOUTH LOGAN WATER ASSOCIATION
- TODD COUNTY WATER DISTRICT
- WARREN COUNTY WATER DISTRICT

System Summary for Adairville Water Works

PWSID	KY0710001	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$42.16 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	378
Residential Customers	348	Total Produced (MG)	-
Commercial Customers	29	Total Purchased (MG)	20.725
Institutional Customers	-	Total Inside Usage (MG)	16.930
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 11.71 miles (Distribution: 11.71 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Adairville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141001	Adairville - Water Line Ext to F. Hills Subdivision	6-10 Years	Not Funded	$25,000	Logan	43	5
WX21141003	Adairville - 200,000 Gallon Water Tank Construction	6-10 Years	Not Funded	$525,000	Logan		
WX21141002	Adairville - Water Distribution Line to Industrial Park	6-10 Years	Not Funded	$475,000	Logan		

System Summary for Auburn Water Department

PWSID	KY0710012	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$18.71 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	703
Residential Customers	627	Total Produced (MG)	-
Commercial Customers	57	Total Purchased (MG)	46.265
Institutional Customers	3	Total Inside Usage (MG)	27.461
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 15.12 miles (Distribution: 15.05 miles, Transmission: 0.08 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Auburn Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141058	Auburn Water Meter, Remote Read Project	0-2 Years	Not Funded	$225,000	Logan	27	3

System Summary for East Logan Water District

PWSID	KY0710951	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$45.51 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	3,076
Residential Customers	3,035	Total Produced (MG)	-
Commercial Customers	41	Total Purchased (MG)	225.957
Institutional Customers	-	Total Inside Usage (MG)	225.246
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	0%

Total Distribution System Line Length = 287.08 miles (Distribution: 280.98 miles, Transmission: 6.10 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for East Logan Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141056	East Logan Water District - Line Improvement Upgrades	3-5 Years	Not Funded	$3,070,000	Logan		
WX21141057	SCADA System Upgrade	0-2 Years	Not Funded	$550,000	Logan		

System Summary for Lewisburg Water Works

PWSID	KY0710247	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$36.33 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$56.18 per 4,000 gallons.	Total Connections	1,031
Residential Customers	982	Total Produced (MG)	-
Commercial Customers	42	Total Purchased (MG)	58.189
Institutional Customers	7	Total Inside Usage (MG)	40.476
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 93.32 miles (Distribution: 93.32 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lewisburg Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141061	Coating Inside/Outside of Downtown Water Tower	0-2 Years	Not Funded	$171,000	Logan	34	4
WX21141020	City of Lewisburg - Radio Read Meter Purchase	0-2 Years	Not Funded	$220,000	Logan		

System Summary for North Logan Water District

PWSID	KY0710318	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$44.48 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	547
Residential Customers	530	Total Produced (MG)	-
Commercial Customers	17	Total Purchased (MG)	66.006
Institutional Customers	-	Total Inside Usage (MG)	60.792
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 35.40 miles (Distribution: 35.40 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Logan Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141025	Russellville Water Project 2	0-2 Years	Not Funded	$933,830	Logan		
WX21141027	Russellville Water Project #4	3-5 Years	Not Funded	$647,672	Logan		
WX21141046	City of Russellville - Newtown 6 Inch Waterline Extension	0-2 Years	Not Funded	$500,000	Logan		

Logan County (continued)

System Summary for Russellville Municipal Water System

PWSID	KY0710378	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$47.61 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$47.61 per 4,000 gallons.	Total Connections	3,294
Residential Customers	2,639	Total Produced (MG)	-
Commercial Customers	519	Total Purchased (MG)	303.076
Institutional Customers	121	Total Inside Usage (MG)	213.269
Industrial Customers	11	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 100.74 miles (Distribution: 100.74 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Russellville Municipal Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141060	Russellville City Park Tank	0-2 Years	Not Funded	$1,300,000	Logan	1	1
WX21141025	Russellville Water Project 2	0-2 Years	Not Funded	$933,830	Logan		

Logan County (continued)

System Summary for South Logan Water Association

PWSID	KY0710707	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$38.56 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,687
Residential Customers	1,641	Total Produced (MG)	-
Commercial Customers	58	Total Purchased (MG)	141.453
Institutional Customers	-	Total Inside Usage (MG)	117.877
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 222.60 miles (Distribution: 222.60 miles, Transmission: 0.00 miles).

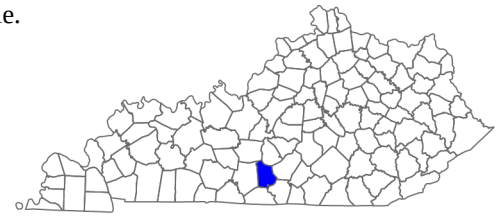
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for South Logan Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141059	Water Office & Southern Bypass Extension	0-2 Years	Not Funded	$1,065,000	Logan	16	2

Metcalfe County

- 2010 census population of 10,099 (4,681 households) with 97% serviceable.
- Projected 2020 population of 10,329 (change of 230).
- Metcalfe County has 436.99 miles of existing water lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,255,390.
- Estimated funding needs for projects from 6 to 10 years: $2,000,000.



Metcalfe County has a 2010 census population count of 10,099 (4,681 households) with a projected 2020 population count of 10,329 (4,306 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 8 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 372 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Edmonton	7	$12,172,670	5	372	4.00	20.00	-
Green-Taylor Water District	2	$2,082,720	3	-	1.00	-	-
Totals:	**9**	**$14,255,390**	**8**	**372**	**5.00**	**20.00**	**-**

Community Drinking Water Systems in Metcalfe County

Note: Serviceability counts are for households within Metcalfe county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0850115	Edmonton Water Works	Metcalfe	7,158	3,304
KY0290271	Cumberland County Water District	Cumberland	89	38
KY0440167	Green-Taylor Water District	Green	472	247
KY0500166	Green River Valley Water District	Hart	2,023	920
KY0860150	Monroe County Water District	Monroe	59	25
		Totals:	9,801	4,534

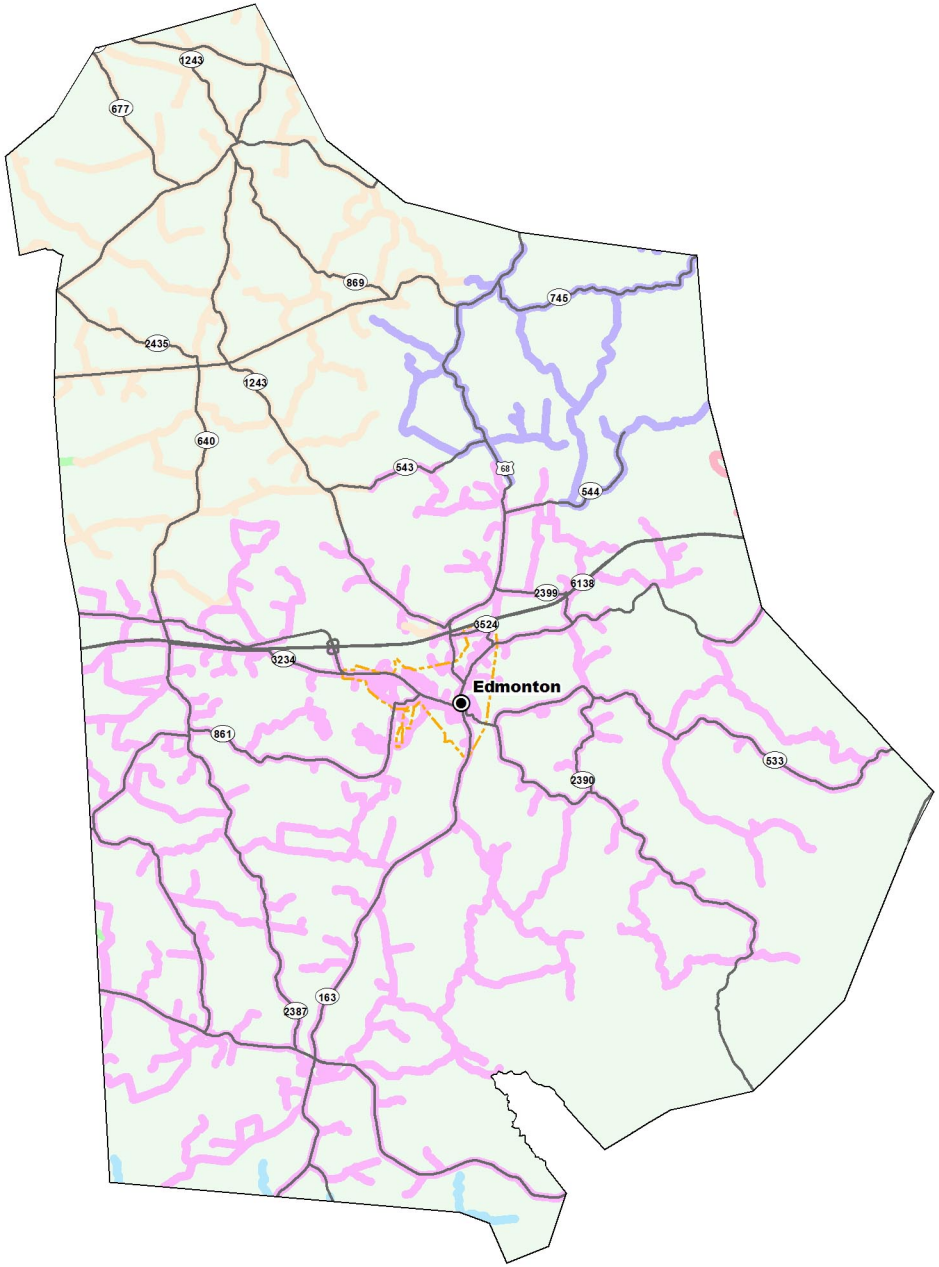
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
METCALFE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



WATER SERVICE BY OWNER

- COLUMBIA/ADAIR UTILITIES DISTRICT
- EDMONTON WATER WORKS
- GLASGOW WATER COMPANY
- GREEN RIVER VALLEY WATER DISTRICT
- GREEN-TAYLOR WATER DISTRICT
- MONROE COUNTY WATER DISTRICT

System Summary for Edmonton Water Works

PWSID	KY0850115	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	12	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$29.15 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$38.84 per 4,000 gallons.	Total Connections	3,184
Residential Customers	2,870	Total Produced (MG)	-
Commercial Customers	163	Total Purchased (MG)	256.412
Institutional Customers	144	Total Inside Usage (MG)	183.786
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 286.87 miles (Distribution: 286.87 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Edmonton Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	$2,600,000	Barren	2	1
WX21169039	Edmonton Water Improvement Project - Contract A & B	0-2 Years	Not Funded	$6,604,900	Metcalfe	4	1
WX21169041	12-inch Dedicated Fire Line to Sumitomo	3-5 Years	Not Funded	$330,400	Metcalfe	13	2
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	$2,000,000	Metcalfe	30	3
WX21169022	Edmonton - A. Smith Rd Extension	3-5 Years	Not Funded	$32,000	Metcalfe	36	4
WX21169040	Edmonton Water system Improvements - Contract B	3-5 Years	Not Funded	$3,246,025	Metcalfe		
WX21169025	Edmonton - Joe Fields and Lone Star Line Replacement	3-5 Years	Not Funded	$150,000	Metcalfe		
WX21169034	Martin Cemetery Road Water Main	3-5 Years	Not Funded	$55,370	Metcalfe		

Monroe County

- 2010 census population of 10,963 (5,204 households) with 99% serviceable.
- Projected 2020 population of 10,405 (change of -558).
- Monroe County has 554.69 miles of existing water lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,492,025.
- Estimated funding needs for projects from 6 to 10 years: $1,120,200.

Monroe County has a 2010 census population count of 10,963 (5,204 households) with a projected 2020 population count of 10,405 (4,423 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 143 serviceable households will be added through the construction of 10.00 miles of water line extensions and approximately 9,003 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Tompkinsville	4	$5,138,025	-	352	-	2.00	-
Fountain Run Water District #1	6	$769,000	8	2,432	-	2.00	-
Monroe County Water District	4	$2,705,200	135	6,219	10.00	16.00	-
Totals:	**14**	**$8,612,225**	**143**	**9,003**	**10.00**	**20.00**	**-**

Community Drinking Water Systems in Monroe County

Note: Serviceability counts are for households within Monroe county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0860141	Fountain Run Water District #1	Monroe	516	293
KY0860150	Monroe County Water District	Monroe	7,844	3,626
KY0860426	Tompkinsville Water Works	Monroe	2,402	1,201
		Totals:	10,762	5,120

Kentucky Infrastructure Authority
January 04, 2019

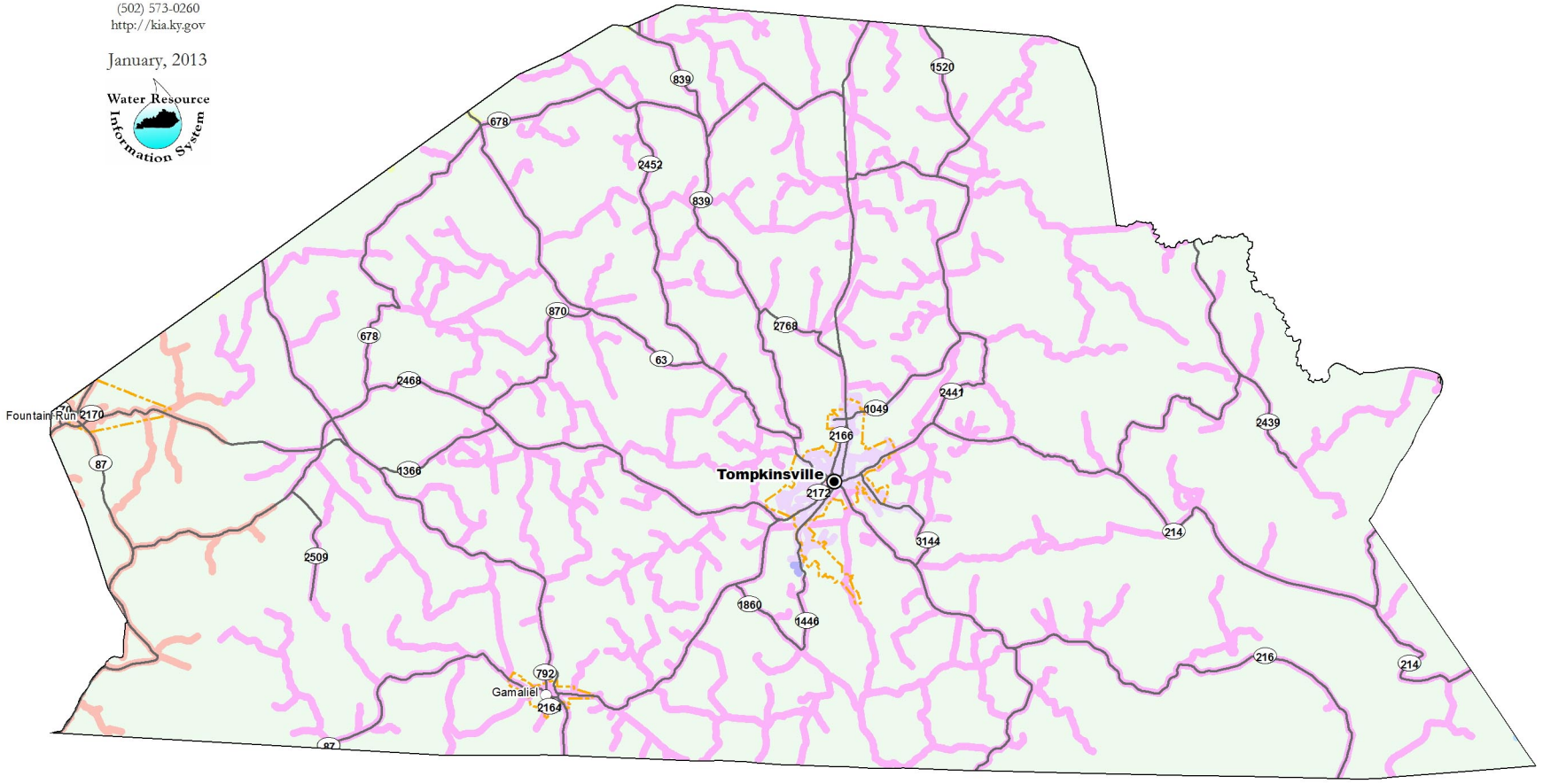
WATER SERVICE AREAS
MONROE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CUMBERLAND COUNTY WATER DISTRICT
- EDMONTON WATER WORKS
- FOUNTAIN RUN WATER DISTRICT #1
- GLASGOW WATER COMPANY
- MONROE COUNTY WATER DISTRICT
- OLD MULKEY STATE HISTORIC SITE
- TOMPKINSVILLE WATER WORKS

System Summary for Fountain Run Water District #1

PWSID	KY0860141	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$28.40 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	530
Residential Customers	507	Total Produced (MG)	-
Commercial Customers	23	Total Purchased (MG)	40.693
Institutional Customers	-	Total Inside Usage (MG)	35.334
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 58.68 miles (Distribution: 57.54 miles, Transmission: 1.14 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Fountain Run Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	$2,600,000	Barren	2	1
WX21171037	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	3-5 Years	Not Funded	$123,000	Monroe	19	2
WX21171043	Fountain Run Water District #1 - Fire Hydrant Replacement	6-10 Years	Not Funded	$41,000	Monroe	45	5
WX21171040	Fountain Run Water District #1- Repair/Replace Water Line In the system	6-10 Years	Not Funded	$215,000	Monroe		
WX21171041	Fountain Run Water District #1 - New Radio Read Metering System & Billing System	6-10 Years	Not Funded	$189,000	Monroe		
WX21171046	New Water Line - KY 87 (South) - Long Hollow Road to Tennessee L	3-5 Years	Not Funded	$151,000	Monroe		
WX21171031	Fountain Run Water District #1 Improvements - Purchase of GPS Mapping System	6-10 Years	Not Funded	$50,000	Monroe		

System Summary for Monroe County Water District

PWSID	KY0860150	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	13	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$40.71 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,473
Residential Customers	3,297	Total Produced (MG)	-
Commercial Customers	174	Total Purchased (MG)	284.974
Institutional Customers	-	Total Inside Usage (MG)	267.618
Industrial Customers	-	Total Wholesale Sold (MG)	1.480
Wholesale Customers	2	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 506.22 miles (Distribution: 484.99 miles, Transmission: 21.24 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Monroe County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21171049	New Automatic Read Meters	0-2 Years	Not Funded	$800,000	Monroe	9	1
WX21171039	Monroe County Water District Improvements - Water Storage Tanks	3-5 Years	Not Funded	$200,000	Monroe	38	4
WX21171011	Monroe County Water Improvement - Water Line Upgrades	6-10 Years	Partially Funded	$625,200	Monroe		

System Summary for Tompkinsville Water Works

PWSID	KY0860426	Treats Water	Yes, 1 plant with total capacity of 2.500 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$33.55 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$33.55 per 4,000 gallons.	Total Connections	1,285
Residential Customers	1,052	Total Produced (MG)	497.249
Commercial Customers	184	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	5.816
Industrial Customers	48	Total Wholesale Sold (MG)	284.974
Wholesale Customers	1	Estimated Pct. Water Loss	42%
Total Distribution System Line Length = 33.73 miles (Distribution: 31.68 miles, Transmission: 2.04 miles).			

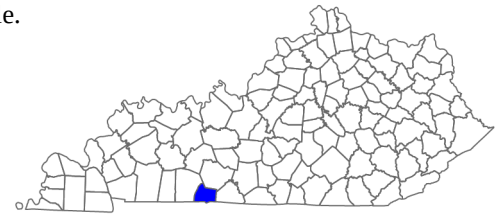
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Tompkinsville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21171015	Tompkinsville Water Treatment Plant Improvement - Basin, Clearwell, Chemical Feed	3-5 Years	Not Funded	$3,500,000	Monroe		
WX21171013	Tompkinsville Downtown Water Line Replacement	3-5 Years	Not Funded	$500,000	Monroe		
WX21171048	Tompkinsville Sludge Handling & Lagoon Improvements Project.	0-2 Years	Not Funded	$421,925	Monroe		
WX21171033	City of Tompkinsville - East Industrial Park Water Improvements	3-5 Years	Not Funded	$150,000	Monroe		

Simpson County

- 2010 census population of 17,327 (7,435 households) with 97% serviceable.
- Projected 2020 population of 18,342 (change of 1,015).
- Simpson County has 473.52 miles of existing water lines.
- 38.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,908,275.
- Estimated funding needs for projects from 6 to 10 years: $1,559,000.



Simpson County has a 2010 census population count of 17,327 (7,435 households) with a projected 2020 population count of 18,342 (7,429 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 20 serviceable households will be added through the construction of 38.00 miles of water line extensions and approximately 1,338 instances of improved service through the rehabilitation of 15.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Franklin	6	$2,462,975	-	623	-	4.00	-
Simpson County Fiscal Court	1	$618,000	3	-	3.00	-	-
Simpson County Water District	12	$7,386,300	17	715	35.00	11.00	-
Totals:	**19**	**$10,467,275**	**20**	**1,338**	**38.00**	**15.00**	**-**

Community Drinking Water Systems in Simpson County

Note: Serviceability counts are for households within Simpson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1070144	Franklin Water Works	Simpson	10,453	4,590
KY1070398	Simpson County Water District	Simpson	6,235	2,590
		Totals:	16,688	7,180

Kentucky Infrastructure Authority
January 04, 2019

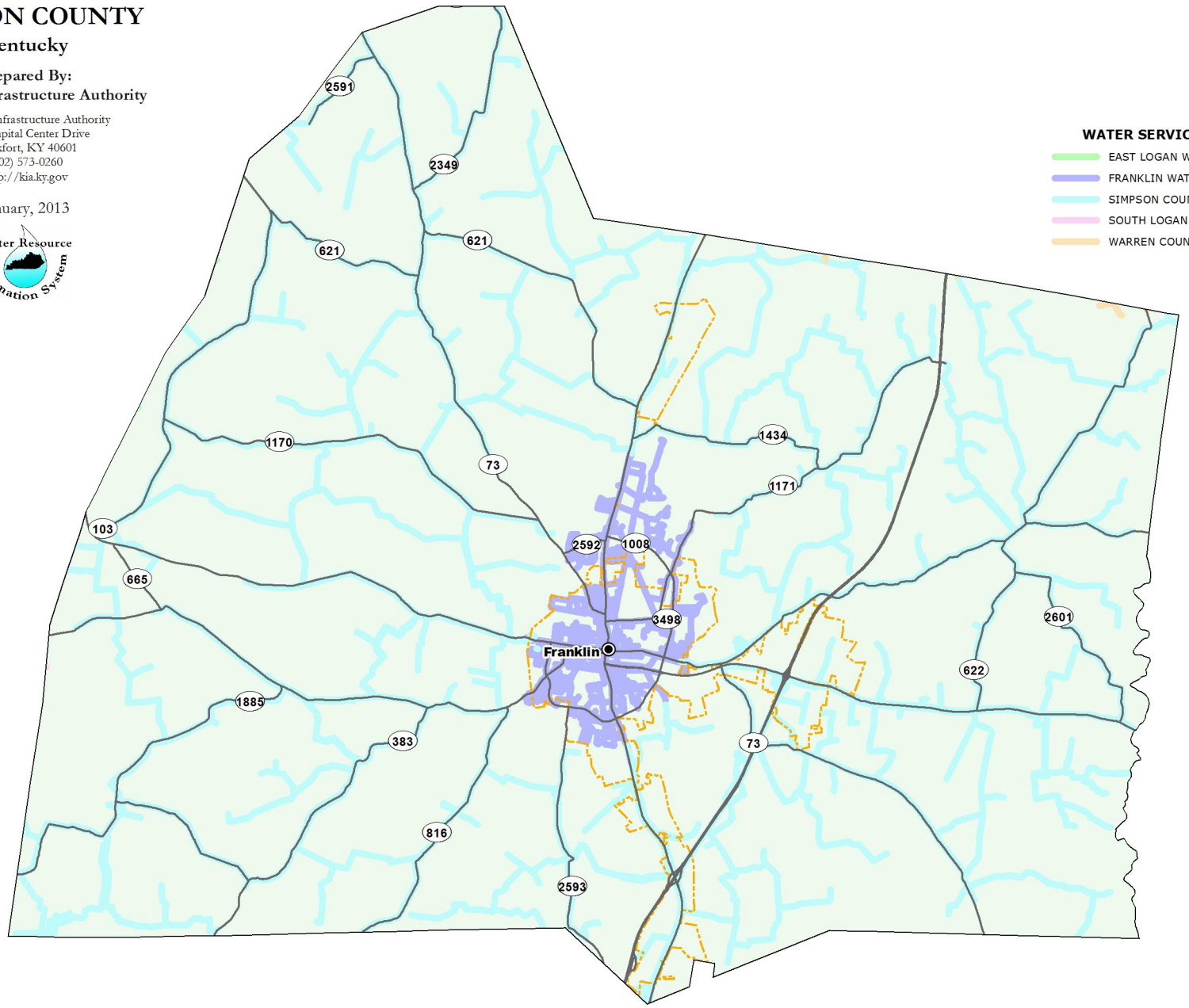
WATER SERVICE AREAS
SIMPSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Franklin Water Works

PWSID	KY1070144	Treats Water	Yes, 1 plant with total capacity of 5.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$29.99 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$44.93 per 4,000 gallons.	Total Connections	5,364
Residential Customers	-	Total Produced (MG)	612.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	317.236
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	48%

Total Distribution System Line Length = 85.43 miles (Distribution: 78.90 miles, Transmission: 6.53 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Franklin Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21213047	North Main Street Water Line Replacement	0-2 Years	Not Funded	$75,000	Simpson	12	2
WX21213029	City of Franklin - Morgantown Rd Water Line	3-5 Years	Not Funded	$336,000	Simpson	39	4
WX21213004	City of Franklin - 2-Inch Galvanized Lines Replacement Project	3-5 Years	Not Funded	$600,000	Simpson		
WX21213028	City of Franklin - West Cedar St. Water Line	0-2 Years	Not Funded	$495,975	Simpson		
WX21213033	City of Franklin - Williamsburg Park Pressure Zone	0-2 Years	Not Funded	$485,000	Simpson		
WX21213027	City of Franklin - W. Madison St. Water Line Project	3-5 Years	Not Funded	$471,000	Simpson		

Simpson County (continued)

System Summary for Simpson County Water District

PWSID	KY1070398	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$27.71 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	3,402
Residential Customers	3,036	Total Produced (MG)	-
Commercial Customers	366	Total Purchased (MG)	404.825
Institutional Customers	-	Total Inside Usage (MG)	359.282
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 406.24 miles (Distribution: 341.33 miles, Transmission: 64.90 miles).

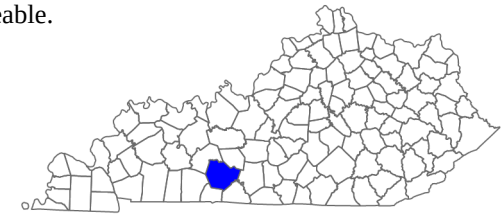
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Simpson County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21213048	Steele Road Water Service Improvements	0-2 Years	Not Funded	$408,000	Simpson	8	1
WX21213046	Water System Improvements	0-2 Years	Not Funded	$987,300	Simpson	21	3
WX21213017	SCWD - Neosheo Tank	6-10 Years	Not Funded	$1,100,000	Simpson	46	5
WX21213023	SCWD - Fritz Winter Capacity Improvements	0-2 Years	Not Funded	$1,330,000	Simpson		
WX21213043	SCWD - Rural Fire Protection Project B	0-2 Years	Not Funded	$826,000	Simpson		
WX21213042	SCWD - Rural Fire Protection Project A	3-5 Years	Not Funded	$803,000	Simpson		
WX21213045	SCWD - Rural Fire Protection Project D	0-2 Years	Not Funded	$647,000	Simpson		
WX21213040	City of Franklin - Interconnects Water Line	0-2 Years	Not Funded	$618,000	Simpson		
WX21213044	SCWD - Rural Fire Protection Project C	0-2 Years	Not Funded	$506,000	Simpson		
WX21213003	SCWD - Hwy 100E Water Line Extension	6-10 Years	Not Funded	$277,000	Simpson		
WX21213041	SCWD - Rural Distribution Upgrades	3-5 Years	Not Funded	$200,000	Simpson		
WX21213035	SCWD- Lake Springs Road Water Line Extension	6-10 Years	Not Funded	$182,000	Simpson		
WX21213034	SCWD- Macedonia Road Fire Protection	3-5 Years	Not Funded	$120,000	Simpson		

Warren County

- 2010 census population of 113,792 (47,223 households) with 95% serviceable.
- Projected 2020 population of 137,250 (change of 23,458).
- Warren County has 1,293.37 miles of existing water lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $66,465,000.
- Estimated funding needs for projects from 6 to 10 years: $7,264,000.



Warren County has a 2010 census population count of 113,792 (47,223 households) with a projected 2020 population count of 137,250 (54,299 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 51 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 61,683 instances of improved service through system wide upgrades. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bowling Green Municipal Utilities	11	$64,330,000	-	46,283	-	-	-
City of Bowling Green	1	$1,141,000	-	3,400	-	-	-
Warren County Water District	12	$8,258,000	51	12,000	11.00	-	3.00
Totals:	**24**	**$73,729,000**	**51**	**61,683**	**11.00**	**-**	**3.00**

Community Drinking Water Systems in Warren County

Note: Serviceability counts are for households within Warren county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1140038	Bowling Green Municipal Utilities	Warren	46,601	19,642
KY1140487	Warren County Water District	Warren	61,023	24,924
KY0310114	Edmonson County Water District	Edmonson	292	120
KY1070398	Simpson County Water District	Simpson	84	35
		Totals:	108,000	44,721

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
WARREN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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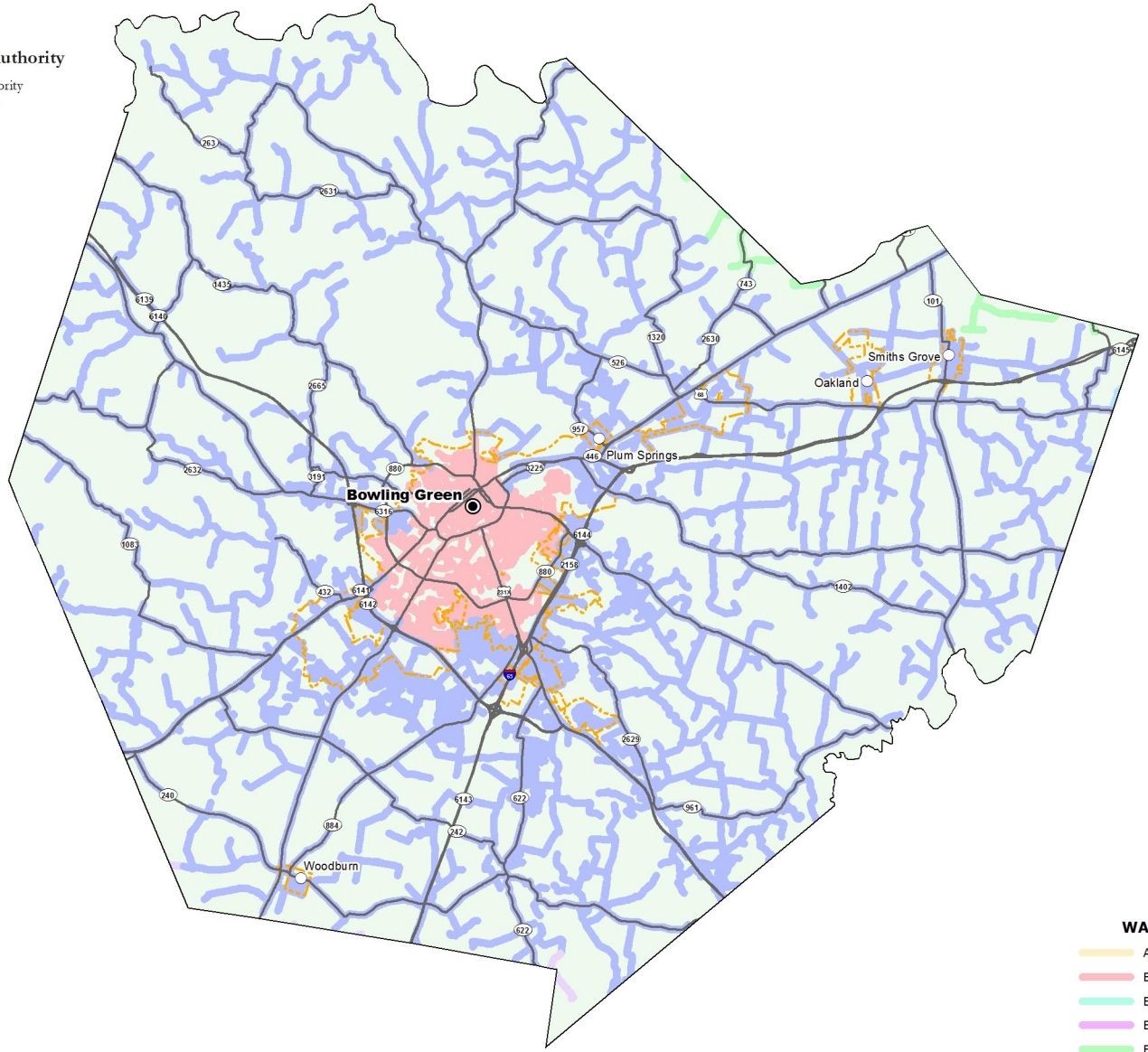


WATER SERVICE BY OWNER

- ALLEN COUNTY WATER DISTRICT
- BOWLING GREEN MUNICIPAL UTILITIES
- BUTLER COUNTY WATER SYSTEM
- EAST LOGAN WATER DISTRICT
- EDMONSON COUNTY WATER DISTRICT
- GLASGOW WATER COMPANY
- SIMPSON COUNTY WATER DISTRICT
- WARREN COUNTY WATER DISTRICT

System Summary for Bowling Green Municipal Utilities

PWSID	KY1140038	Treats Water	Yes, 1 plant with total capacity of 30.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	43	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$21.24 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 10.000 MG.
Outside Mun. Cost	$29.68 per 4,000 gallons.	Total Connections	18,880
Residential Customers	15,767	Total Produced (MG)	6,690.000
Commercial Customers	3,380	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,183.747
Industrial Customers	4	Total Wholesale Sold (MG)	3,036.973
Wholesale Customers	1	Estimated Pct. Water Loss	22%

Total Distribution System Line Length = 170.29 miles (Distribution: 169.73 miles, Transmission: 0.56 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bowling Green Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21227044	BGMU - New Southcentral 1.0 Million Gallon Tank (Campbell Tank)	3-5 Years	Not Funded	$12,000,000	Warren	20	2
WX21227045	BGMU - Install Check Valve System In 3 Tanks	0-2 Years	Not Funded	$225,000	Warren	32	4
WX21227087	BGMU - Water Treatment Plant Expansion	0-2 Years	Partially Funded	$46,540,000	Warren		
WX21227084	5MG Reservoir Hill Tank Upgrade Project	3-5 Years	Not Funded	$1,640,000	Warren		
WX21227074	BGMU - Water Treatment Plant - Caustic Soda	3-5 Years	Not Funded	$1,141,000	Warren		
WX21227012	BGMU - Eliminating Dead End Mains	0-2 Years	Not Funded	$1,000,000	Warren		
WX21227019	BGMU - Replace Old Cast Iron Mains	6-10 Years	Not Funded	$1,000,000	Warren		
WX21227064	BGMU - New High Service Pump	0-2 Years	Not Funded	$600,000	Warren		
WX21227065	BGMU - Water Treatment Plant Security System Upgrade	0-2 Years	Not Funded	$500,000	Warren		
WX21227067	BGMU - Sedimentation Basin Cover 1 & 2	0-2 Years	Not Funded	$500,000	Warren		
WX21227066	BGMU - South Park Pump Station Emergency Generator	0-2 Years	Not Funded	$125,000	Warren		

System Summary for Warren County Water District

PWSID	KY1140487	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	65	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$19.38 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 28 tanks with total capacity of 11.000 MG.
Outside Mun. Cost	-	Total Connections	28,742
Residential Customers	26,599	Total Produced (MG)	-
Commercial Customers	2,143	Total Purchased (MG)	3,036.973
Institutional Customers	-	Total Inside Usage (MG)	2,781.473
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	3	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 1,128.58 miles (Distribution: 1,114.44 miles, Transmission: 14.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Warren County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21227028	WCWD - Greenwood Pump Station #2	3-5 Years	Not Funded	$275,000	Warren	24	3
WX21227060	WCWD - Kelly Vance Pump Station Upgrade	6-10 Years	Not Funded	$835,000	Warren	42	5
WX21227087	BGMU - Water Treatment Plant Expansion	0-2 Years	Partially Funded	$46,540,000	Warren		
WX21227054	WCWD - Glen Lily Area Improvements	6-10 Years	Not Funded	$1,797,000	Warren		
WX21227040	WCWD - Old Scottsville Area Improvements	6-10 Years	Not Funded	$1,660,000	Warren		
WX21227055	WCWD - Smiths Grove / Little Knob Improvements	3-5 Years	Not Funded	$1,046,000	Warren		
WX21227080	WCWD - McElwain Pump Station Upgrade	6-10 Years	Not Funded	$835,000	Warren		
WX21227082	WCWD - Three Springs Transmission Improvements	6-10 Years	Not Funded	$729,000	Warren		
WX21227036	WCWD - Barren River Rd. Fire Protection	6-10 Years	Not Funded	$400,000	Warren		
WX21227056	WCWD - Porter Pike Area Improvements, Phase 1	3-5 Years	Not Funded	$327,000	Warren		
WX21227057	WCWD - Richpond Area Improvements, Phase 1	3-5 Years	Not Funded	$261,000	Warren		
WX21227052	WCWD - Trammel Area Water Line Extension	0-2 Years	Not Funded	$85,000	Allen		
WX21227059	WCWD - Tanglewood Pump Station Upgrade	6-10 Years	Not Funded	$8,000	Warren		

Big Sandy Area Development District (BSADD)

- 2010 census population of 154,093 (70,217 households) with 89% serviceable.
- Projected 2020 population of 148,051 (change of -6,042).
- 2,474.16 miles of existing water lines.
- 43.00 miles of line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $45,575,087.
- Estimated funding needs for projects from 6 to 10 years: $1,510,000.
- Average age of structures: water treatment plants is 37 years; water tanks is 28 years.
- Total number of interconnected systems is 19.
- 62 miles of asbestos concrete pipe currently in use.
- 806 miles of water lines less than 15 years old.
- 783 miles of water lines between 15 and 30 years old.
- 36 miles of water lines between 31 and 50 years old.
- 4 miles of water lines between 51 and 70 years old.
- 0 miles of water lines greater than 70 years old.

Big Sandy Area Development District has a 2010 census population count of 154,093 (70,217 households) with a projected 2020 population count of 148,051 (61,704 households). Public water is currently available to approximately 89 percent of the district's households based on 2010 census counts. Over the next ten years approximately 316 serviceable households will be added through the construction of 43.00 miles of water line extensions and approximately 68,761 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this district.

County Summary for Big Sandy Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Floyd	39,451	18,175	37,153	15,594	17,441	96%	$ 10,693,864
Johnson	23,356	10,624	23,265	9,647	10,170	96%	$ 2,177,547
Magoffin	13,333	5,950	13,587	5,696	5,728	96%	$ 2,420,311
Martin	12,929	5,164	12,055	4,410	5,078	98%	$ 9,606,078
Pike	65,024	30,304	61,991	26,357	23,863	79%	$ 22,187,287
Totals	**154,093**	**70,217**	**148,051**	**61,704**	**62,280**	**89%**	**$ 47,085,087**

Kentucky Infrastructure Authority
January 04, 2019

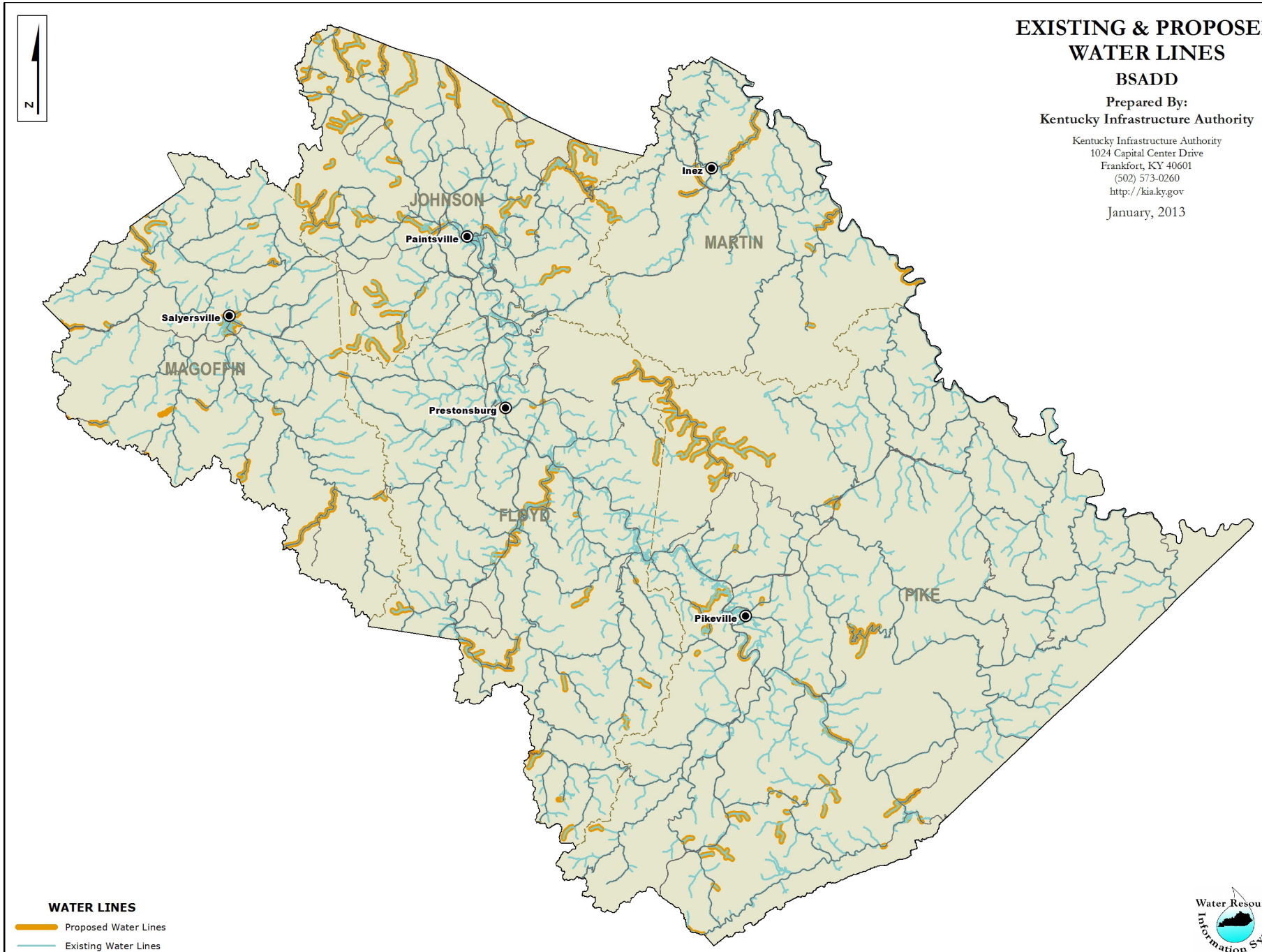
EXISTING & PROPOSED WATER LINES

BSADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Big Sandy Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0360272	Martin Water Works	Floyd	628	363
KY0360358	Prestonsburg City's Utilities Commission	Floyd	18,145	8,262
KY0360026	Southern Water & Sewer District	Floyd	19,027	8,759
KY0360463	Wheelwright Utilities Commission	Floyd	956	398
KY0580340	Paintsville Utilities Commission	Johnson	21,797	9,928
KY0770525	Magoffin County Water District	Magoffin	10,707	4,785
KY0770566	Salyersville Water Works	Magoffin	2,268	1,010
KY0800273	Martin County Water District	Martin	12,180	5,095
KY0980350	City of Pikeville	Pike	9,638	4,429
KY0980120	Elkhorn City Water Department	Pike	1,444	725
KY0980575	Mountain Water District	Pike	39,834	18,489
		Totals:	136,624	62,243

Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21115015	Miscellaneous Water Line Extensions - Phase 3	0-2 Years	Not Funded	$118,322	Johnson	1	1
WX21159009	Water System Controls and Raw Water Modifications	0-2 Years	Not Funded	$3,429,000	Martin	2	3
WX21195028	Water Loss Prevention Program Phase I – Contract #2	0-2 Years	Not Funded	$1,500,000	Pike	3	1
WX21071730	SWSD - Lackey to Wayland Water Line Replacement	3-5 Years	Partially Funded	$1,500,000	Floyd	4	1
WX21153029	Magoffin - KY 542/Sandbottom Water Line Extension	3-5 Years	Not Funded	$1,097,811	Magoffin	5	1
WX21071731	Southern Water & Sewer District – Water Meter Change Out Program	3-5 Years	Not Funded	$1,329,400	Floyd	6	2
WX21159006	ARC Water System Improvements	0-2 Years	Not Funded	$1,200,000	Martin	7	2
WX21115028	Miscellaneous Water System Improvements	0-2 Years	Fully Funded	$2,010,000	Johnson	8	2
WX21195037	Pikeville Water Plant Filter Subsurface Wash System Improvements	0-2 Years	Not Funded	$253,800	Pike	9	2
WX21153012	Salyersville Water Aging Water Main Phase III	0-2 Years	Not Funded	$1,105,000	Magoffin	10	2
WX21071009	Water System Improvements - Mink Branch to Ligdon	0-2 Years	Not Funded	$3,450,000	Floyd	11	3
WX21071006	Southern Water and Sewer District Various Line Extensions	3-5 Years	Not Funded	$1,223,050	Floyd	12	4
WX21153028	Magoffin - Emergency Tie-In Bloomington to Grape Creek Along US 460	3-5 Years	Not Funded	$217,500	Magoffin	13	3
WX21159008	Water System Improvements in Support of the USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Regional Airport	0-2 Years	Not Funded	$2,059,225	Martin	14	5
WX21195007	City of Elkhorn City John Moore's Branch Water Line Extension	0-2 Years	Not Funded	$2,750,000	Pike	15	3
WX21071001	City of Martin Emergency Water Interconnect	0-2 Years	Not Funded	$101,749	Floyd	16	5
WX21159007	Water Treatment Plant Clarifier Rehab	0-2 Years	Not Funded	$2,558,353	Martin	17	1
WX21195740	MWD-Various Waterline Extensions	3-5 Years	Not Funded	$2,100,000	Pike	18	4
WX21159016	Water Treatment Plant Clarifer and Disinfection byproduct reduction	0-2 Years	Not Funded	$359,500	Martin	19	4
WX21195035	Myra Barnes Avenue Waterline Rehabilitation	3-5 Years	Not Funded	$781,220	Pike	20	5
WX21195036	Scott Avenue Water Line Rehabilitation	3-5 Years	Not Funded	$996,420	Pike	21	6
WX21195039	Pike County Airport Water Line Extension	3-5 Years	Not Funded	$3,202,293	Pike	22	7
WX21195030	Interconnect with MWD	0-2 Years	Not Funded	$315,000	Pike	23	8
WX21195033	Stonecoal Water Supply Project	0-2 Years	Not Funded	$775,000	Pike	24	9
			Total Cost:	**$34,432,643**			

Floyd County

- 2010 census population of 39,451 (18,175 households) with 96% serviceable.
- Projected 2020 population of 37,153 (change of -2,298).
- Floyd County has 599.51 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 16.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $10,693,864.
- There are no projects planned from 6 to 10 years.

Floyd County has a 2010 census population count of 39,451 (18,175 households) with a projected 2020 population count of 37,153 (15,594 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 76 serviceable households will be added through the construction of 6.00 miles of water line extensions and approximately 4,320 instances of improved service through the rehabilitation of 16.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Southern Water & Sewer District	5	$7,604,199	76	3,965	6.00	16.00	-
Wheelwright Utilities Commission	1	$3,089,665	-	355	-	-	-
Totals:	**6**	**$10,693,864**	**76**	**4,320**	**6.00**	**16.00**	**-**

Community Drinking Water Systems in Floyd County

Note: Serviceability counts are for households within Floyd county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0360272	Martin Water Works	Floyd	628	363
KY0360358	Prestonsburg City's Utilities Commission	Floyd	16,918	7,737
KY0360026	Southern Water & Sewer District	Floyd	18,653	8,606
KY0360463	Wheelwright Utilities Commission	Floyd	956	398
KY0580340	Paintsville Utilities Commission	Johnson	46	20
KY0600062	Knott Co Water & Sewer District	Knott	28	14
KY0770525	Magoffin County Water District	Magoffin	166	68
		Totals:	37,395	17,206

Kentucky Infrastructure Authority
January 04, 2019

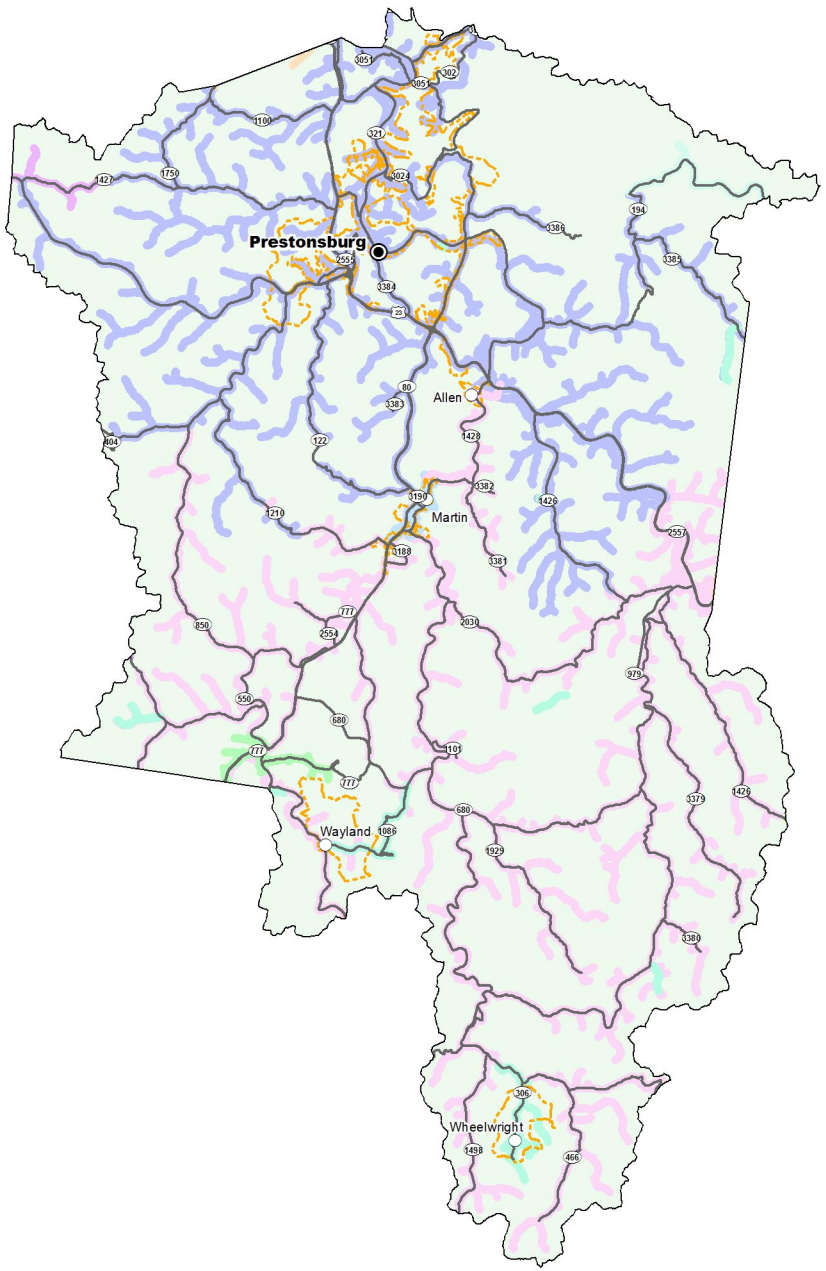
WATER SERVICE AREAS
FLOYD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- FRANCIS WATER COMPANY
- HINDMAN WATER DEPARTMENT
- KNOTT CO WATER & SEWER DISTRICT
- MAGOFFIN COUNTY WATER DISTRICT
- MARTIN WATER WORKS
- MOUNTAIN WATER DISTRICT
- PAINTSVILLE UTILITY COMMISSION
- PIKEVILLE WATER DEPARTMENT
- PRESTONSBURG CITY'S UTILITIES COMMISSION
- SOUTHERN WATER & SEWER DISTRICT
- WHEELWRIGHT UTILITIES COMMISSION

System Summary for Martin Water Works

PWSID	KY0360272	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$47.52 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	310
Residential Customers	262	Total Produced (MG)	-
Commercial Customers	48	Total Purchased (MG)	35.968
Institutional Customers	-	Total Inside Usage (MG)	19.940
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	45%

Total Distribution System Line Length = 8.77 miles (Distribution: 8.77 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Martin Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21071001	City of Martin Emergency Water Interconnect	0-2 Years	Not Funded	$101,749	Floyd	16	5

System Summary for Prestonsburg City's Utilities Commission

PWSID	KY0360358	Treats Water	Yes, 1 plant with total capacity of 5.040 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	57	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$35.75 per 4,000 gallons.	Storage Capacity	Yes, 26 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$43.16 per 4,000 gallons.	Total Connections	8,988
Residential Customers	7,895	Total Produced (MG)	800,000.000
Commercial Customers	865	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	562.102
Industrial Customers	-	Total Wholesale Sold (MG)	91.468
Wholesale Customers	3	Estimated Pct. Water Loss	100%

Total Distribution System Line Length = 311.14 miles (Distribution: 311.10 miles, Transmission: 0.04 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Prestonsburg City's Utilities Commission

System Summary for Southern Water & Sewer District

PWSID	KY0360026	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	27	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$41.40 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 21 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	5,435
Residential Customers	5,340	Total Produced (MG)	543.000
Commercial Customers	80	Total Purchased (MG)	40.500
Institutional Customers	-	Total Inside Usage (MG)	400.177
Industrial Customers	-	Total Wholesale Sold (MG)	17.550
Wholesale Customers	3	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 285.94 miles (Distribution: 285.94 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Southern Water & Sewer District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21071730	SWSD - Lackey to Wayland Water Line Replacement	3-5 Years	Partially Funded	$1,500,000	Floyd	4	1
WX21071731	Southern Water & Sewer District – Water Meter Change Out Program	3-5 Years	Not Funded	$1,329,400	Floyd	6	2
WX21195037	Pikeville Water Plant Filter Subsurface Wash System Improvements	0-2 Years	Not Funded	$253,800	Pike	9	2
WX21071009	Water System Improvements - Mink Branch to Ligdon	0-2 Years	Not Funded	$3,450,000	Floyd	11	3
WX21071006	Southern Water and Sewer District Various Line Extensions	3-5 Years	Not Funded	$1,223,050	Floyd	12	4

System Summary for Wheelwright Utilities Commission

PWSID	KY0360463	Treats Water	Yes, 1 plant with total capacity of 0.350 MGD.
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 1 source.
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$30.74 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$35.74 per 4,000 gallons.	Total Connections	351
Residential Customers	331	Total Produced (MG)	48.000
Commercial Customers	12	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	25.400
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	47%
Total Distribution System Line Length = 8.58 miles (Distribution: 8.50 miles, Transmission: 0.09 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wheelwright Utilities Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21071903	Wheelwright Utility Commission Water Treatment Plant Improvement	0-2 Years	Partially Funded	$3,089,665	Floyd		

Johnson County

- 2010 census population of 23,356 (10,624 households) with 96% serviceable.
- Projected 2020 population of 23,265 (change of -91).
- Johnson County has 402.29 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,177,547.
- There are no projects planned from 6 to 10 years.

Johnson County has a 2010 census population count of 23,356 (10,624 households) with a projected 2020 population count of 23,265 (9,647 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 75 serviceable households will be added through the construction of 4.00 miles of water line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Martin County Water District	1	$2,059,225	-	-	-	-	-
Paintsville Utilities Commission	1	$118,322	75	-	4.00	-	-
Totals:	**2**	**$2,177,547**	**75**	**-**	**4.00**	**-**	**-**

Community Drinking Water Systems in Johnson County

Note: Serviceability counts are for households within Johnson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0580340	Paintsville Utilities Commission	Johnson	21,157	9,642
KY0100944	Big Sandy Water District	Boyd	43	19
KY0360358	Prestonsburg City's Utilities Commission	Floyd	1,105	474
KY0800273	Martin County Water District	Martin	43	19
KY0880594	Morgan County Water District	Morgan	27	12
		Totals:	22,375	10,166

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
JOHNSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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Water Resource Information System

WATER SERVICE BY OWNER

- BIG SANDY WATER DISTRICT
- MAGOFFIN COUNTY WATER DISTRICT
- MARTIN COUNTY WATER DISTRICT
- PAINTSVILLE UTILITY COMMISSION
- PRESTONSBURG CITY'S UTILITIES COMMISSION
- SALYERSVILLE WATER WORKS

System Summary for Paintsville Utilities Commission

PWSID	KY0580340	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	40	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$30.00 per 4,000 gallons.	Storage Capacity	Yes, 16 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$40.76 per 4,000 gallons.	Total Connections	9,633
Residential Customers	7,537	Total Produced (MG)	897.728
Commercial Customers	711	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	509.628
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	4	Estimated Pct. Water Loss	43%

Total Distribution System Line Length = 396.60 miles (Distribution: 395.93 miles, Transmission: 0.66 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Paintsville Utilities Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21115015	Miscellaneous Water Line Extensions - Phase 3	0-2 Years	Not Funded	$118,322	Johnson	1	1

Magoffin County

- 2010 census population of 13,333 (5,950 households) with 96% serviceable.
- Projected 2020 population of 13,587 (change of 254).
- Magoffin County has 352.79 miles of existing water lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,420,311.
- There are no projects planned from 6 to 10 years.

Magoffin County has a 2010 census population count of 13,333 (5,950 households) with a projected 2020 population count of 13,587 (5,696 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 26 serviceable households will be added through the construction of 10.00 miles of water line extensions and approximately 862 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Magoffin County Water District	2	$1,315,311	26	-	8.00	-	-
Salyersville Water Works	1	$1,105,000	-	862	2.00	-	-
Totals:	**3**	**$2,420,311**	**26**	**862**	**10.00**	**-**	**-**

Community Drinking Water Systems in Magoffin County

Note: Serviceability counts are for households within Magoffin county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0770525	Magoffin County Water District	Magoffin	10,531	4,714
KY0770566	Salyersville Water Works	Magoffin	2,265	1,008
		Totals:	12,796	5,722

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MAGOFFIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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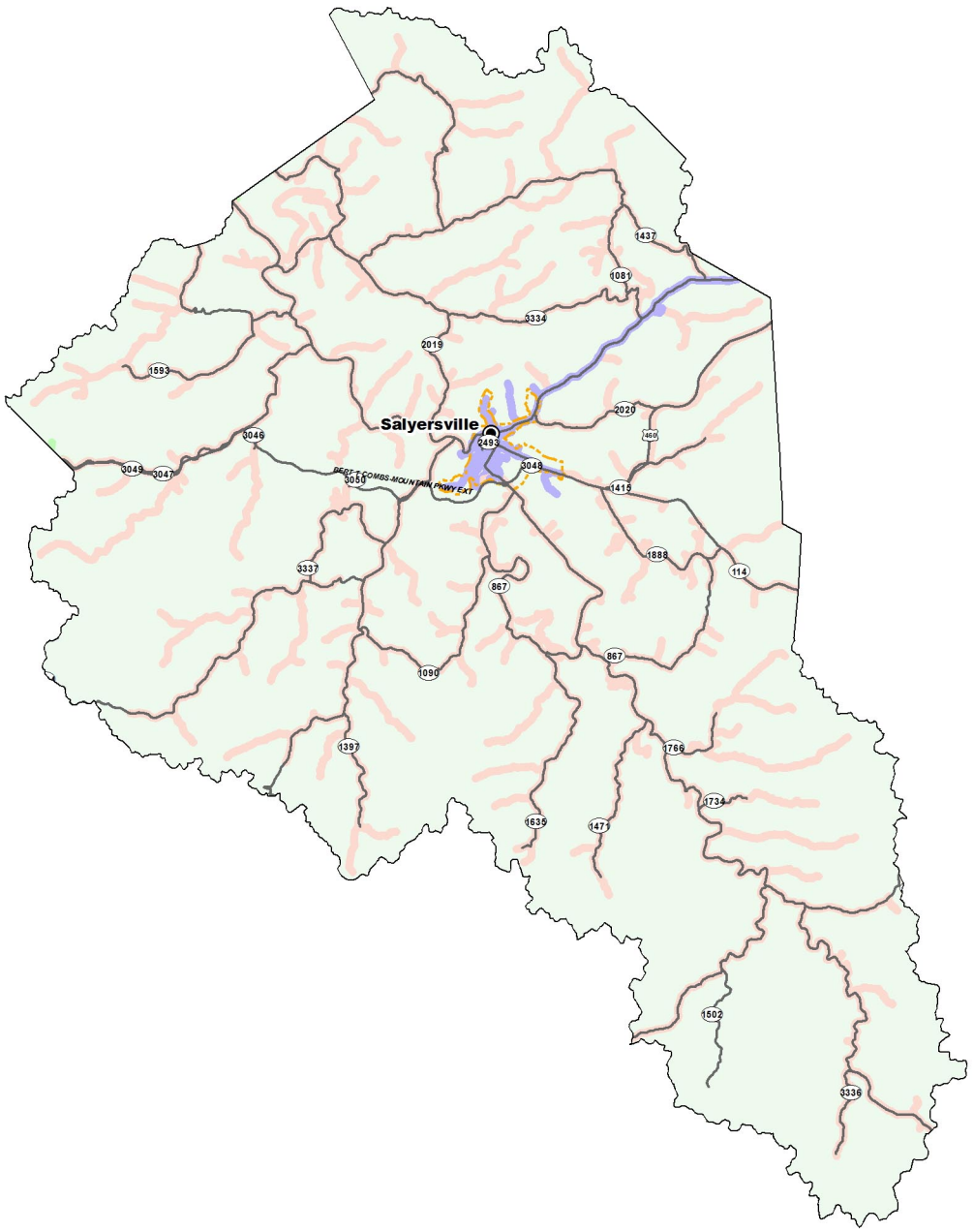

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WATER SERVICE BY OWNER

- MAGOFFIN COUNTY WATER DISTRICT
- MORGAN COUNTY WATER DISTRICT
- SALYERSVILLE WATER WORKS

System Summary for Magoffin County Water District

PWSID	KY0770525	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	10	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$37.30 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 21 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,441
Residential Customers	3,376	Total Produced (MG)	-
Commercial Customers	65	Total Purchased (MG)	183.700
Institutional Customers	-	Total Inside Usage (MG)	152.648
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 329.02 miles (Distribution: 329.02 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Magoffin County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21153029	Magoffin - KY 542/Sandbottom Water Line Extension	3-5 Years	Not Funded	$1,097,811	Magoffin	5	1
WX21153028	Magoffin - Emergency Tie-In Bloomington to Grape Creek Along US 460	3-5 Years	Not Funded	$217,500	Magoffin	13	3

System Summary for Salyersville Water Works

PWSID	KY0770566	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	14	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$20.92 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$28.22 per 4,000 gallons.	Total Connections	1,010
Residential Customers	895	Total Produced (MG)	288.646
Commercial Customers	113	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	83.600
Industrial Customers	1	Total Wholesale Sold (MG)	183.700
Wholesale Customers	1	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 27.34 miles (Distribution: 24.21 miles, Transmission: 3.13 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Salyersville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21153012	Salyersville Water Aging Water Main Phase III	0-2 Years	Not Funded	$1,105,000	Magoffin	10	2

Martin County

- 2010 census population of 12,929 (5,164 households) with 98% serviceable.
- Projected 2020 population of 12,055 (change of -874).
- Martin County has 230.56 miles of existing water lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,606,078.
- There are no projects planned from 6 to 10 years.

Martin County has a 2010 census population count of 12,929 (5,164 households) with a projected 2020 population count of 12,055 (4,410 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 11,170 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Martin County Water District	5	$9,606,078	3	11,170	11.00	3.00	3.00
Totals:	**5**	**$9,606,078**	**3**	**11,170**	**11.00**	**3.00**	**3.00**

Community Drinking Water Systems in Martin County

Note: Serviceability counts are for households within Martin county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0800273	Martin County Water District	Martin	12,132	5,076
		Totals:	12,132	5,076

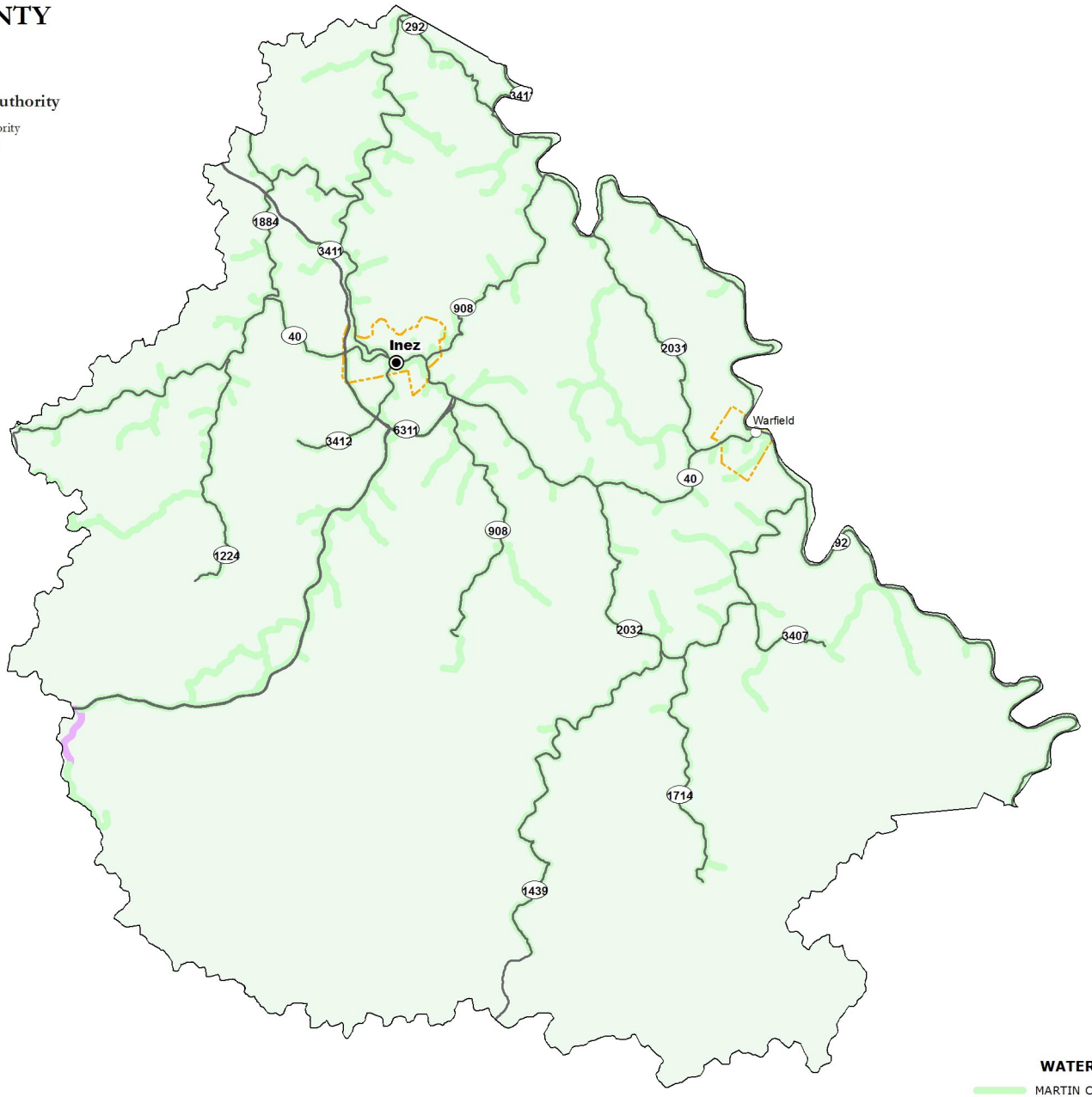
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MARTIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



WATER SERVICE BY OWNER
MARTIN COUNTY WATER DISTRICT
PRESTONSBURG CITY'S UTILITIES COMMISSION

System Summary for Martin County Water District

PWSID	KY0800273	Treats Water	Yes, 1 plant with total capacity of 2.400 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	15	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$48.29 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 17 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	3,528
Residential Customers	3,250	Total Produced (MG)	695.581
Commercial Customers	275	Total Purchased (MG)	15.000
Institutional Customers	1	Total Inside Usage (MG)	175.370
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	75%

Total Distribution System Line Length = 232.72 miles (Distribution: 227.16 miles, Transmission: 5.57 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Martin County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21159009	Water System Controls and Raw Water Modifications	0-2 Years	Not Funded	$3,429,000	Martin	2	3
WX21159006	ARC Water System Improvements	0-2 Years	Not Funded	$1,200,000	Martin	7	2
WX21159008	Water System Improvements in Support of the USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Regional Airport	0-2 Years	Not Funded	$2,059,225	Martin	14	5
WX21159007	Water Treatment Plant Clarifier Rehab	0-2 Years	Not Funded	$2,558,353	Martin	17	1
WX21159016	Water Treatment Plant Clarifer and Disinfection byproduct reduction	0-2 Years	Not Funded	$359,500	Martin	19	4

Pike County

- 2010 census population of 65,024 (30,304 households) with 79% serviceable.
- Projected 2020 population of 61,991 (change of -3,033).
- Pike County has 889.01 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $20,677,287.
- Estimated funding needs for projects from 6 to 10 years: $1,510,000.

Pike County has a 2010 census population count of 65,024 (30,304 households) with a projected 2020 population count of 61,991 (26,357 households). Public water is currently available to approximately 79 percent of the county's households based on 2010 census counts. Over the next ten years approximately 136 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 52,409 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Elkhorn City	5	$4,715,000	40	1,548	3.00	-	-
City of Pikeville	6	$5,794,293	-	139	3.00	1.00	-
Mountain Water District	7	$11,677,994	96	50,722	6.00	-	-
Totals:	**18**	**$22,187,287**	**136**	**52,409**	**12.00**	**1.00**	**-**

Community Drinking Water Systems in Pike County

Note: Serviceability counts are for households within Pike county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0980350	City of Pikeville	Pike	9,638	4,429
KY0980120	Elkhorn City Water Department	Pike	1,444	725
KY0980575	Mountain Water District	Pike	39,823	18,483
KY0360358	Prestonsburg City's Utilities Commission	Floyd	122	51
KY0360026	Southern Water & Sewer District	Floyd	237	102
KY0670213	Jenkins Water System	Letcher	156	73
		Totals:	51,420	23,863

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
PIKE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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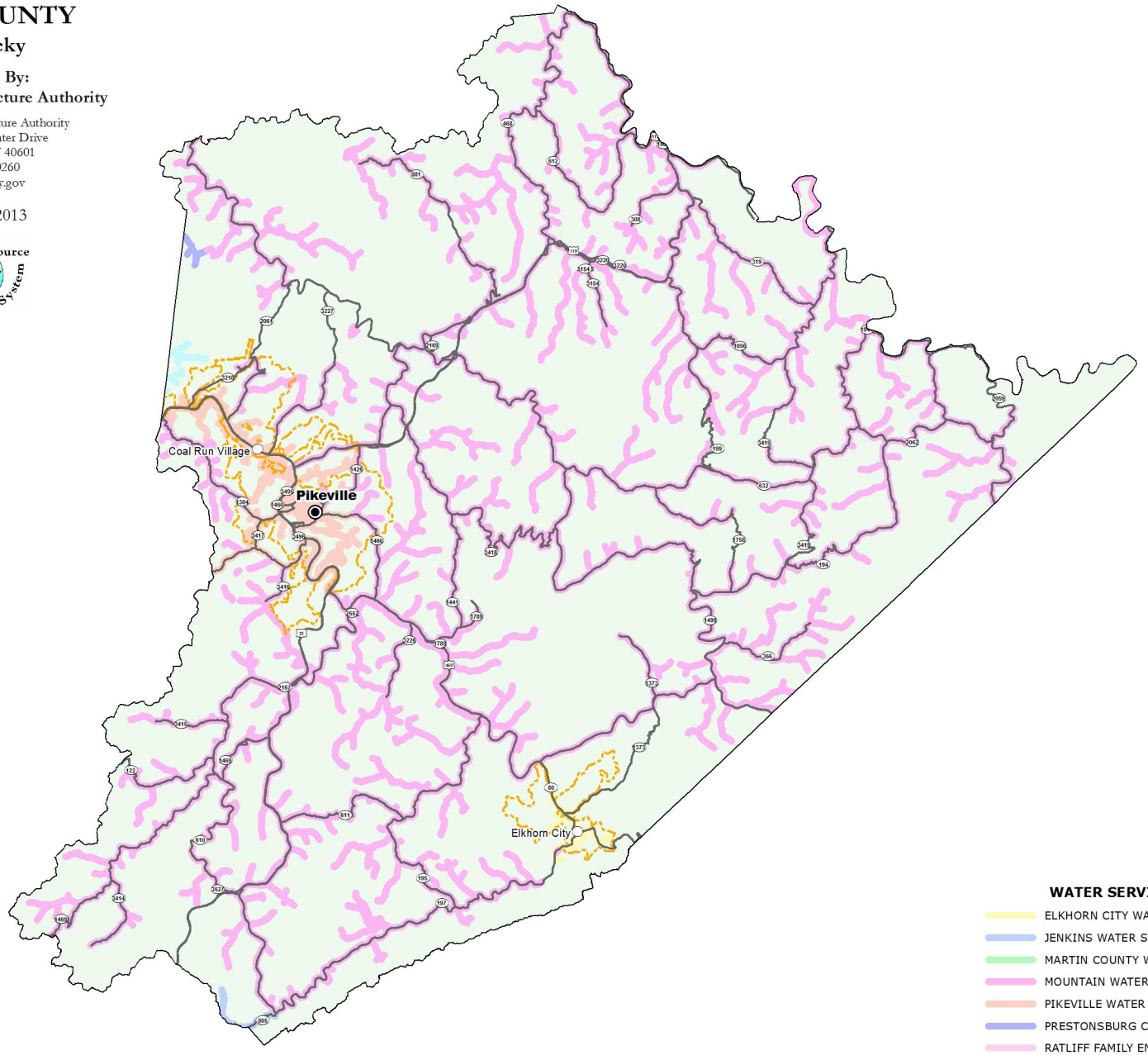
Water Resource Information System



System Summary for City of Pikeville

PWSID	KY0980350	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	12	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$23.60 per 4,000 gallons.	Storage Capacity	Yes, 21 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$35.10 per 4,000 gallons.	Total Connections	4,875
Residential Customers	4,108	Total Produced (MG)	1,089.944
Commercial Customers	767	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	388.067
Industrial Customers	-	Total Wholesale Sold (MG)	421.555
Wholesale Customers	2	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 104.75 miles (Distribution: 104.75 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Pikeville

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21195035	Myra Barnes Avenue Waterline Rehabilitation	3-5 Years	Not Funded	$781,220	Pike	20	5
WX21195036	Scott Avenue Water Line Rehabilitation	3-5 Years	Not Funded	$996,420	Pike	21	6
WX21195039	Pike County Airport Water Line Extension	3-5 Years	Not Funded	$3,202,293	Pike	22	7
WX21195038	Pikeville Water Plant High Service Pumps Improvements	0-2 Years	Not Funded	$381,360	Pike		
WX21195040	Wholesale Master Meter Upgrade Project	0-2 Years	Not Funded	$179,200	Pike		

System Summary for Elkhorn City Water Department

PWSID	KY0980120	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$31.76 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$39.71 per 4,000 gallons.	Total Connections	569
Residential Customers	539	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	49.524
Institutional Customers	-	Total Inside Usage (MG)	23.392
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	53%

Total Distribution System Line Length = 18.82 miles (Distribution: 18.61 miles, Transmission: 0.21 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Elkhorn City Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21195007	City of Elkhorn City John Moore's Branch Water Line Extension	0-2 Years	Not Funded	$2,750,000	Pike	15	3
WX21195030	Interconnect with MWD	0-2 Years	Not Funded	$315,000	Pike	23	8
WX21195009	City of Elkhorn City - Water Improvements - Radio Read Meters	0-2 Years	Not Funded	$605,000	Pike		
WX21195010	Steel Bridge Water Line Replacement	0-2 Years	Not Funded	$270,000	Pike		

Pike County (continued)

System Summary for Mountain Water District

PWSID	KY0980575	Treats Water	Yes, 1 plant with total capacity of 3.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	58	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$39.71 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 94 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	16,701
Residential Customers	15,757	Total Produced (MG)	904.924
Commercial Customers	789	Total Purchased (MG)	421.555
Institutional Customers	150	Total Inside Usage (MG)	1,081.915
Industrial Customers	2	Total Wholesale Sold (MG)	49.524
Wholesale Customers	4	Estimated Pct. Water Loss	15%

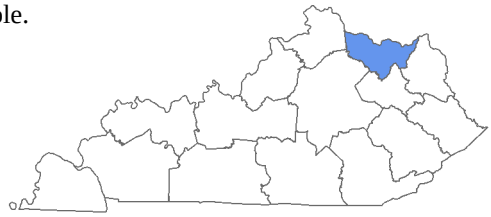
Total Distribution System Line Length = 758.22 miles (Distribution: 751.63 miles, Transmission: 6.59 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Mountain Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21195028	Water Loss Prevention Program Phase I – Contract #2	0-2 Years	Not Funded	$1,500,000	Pike	3	1
WX21195037	Pikeville Water Plant Filter Subsurface Wash System Improvements	0-2 Years	Not Funded	$253,800	Pike	9	2
WX21195740	MWD-Various Waterline Extensions	3-5 Years	Not Funded	$2,100,000	Pike	18	4
WX21195029	Radio Read Meter Replacement Project	0-2 Years	Not Funded	$3,500,000	Pike		
WX21195738	MWD - Scott Fork Phase 1	6-10 Years	Not Funded	$1,510,000	Pike		
WX21195027	Water Loss Prevention Program Phase I – Contract #1	0-2 Years	Not Funded	$1,500,000	Pike		
WX21195031	Phelps Pump Stations Relocation Project	0-2 Years	Not Funded	$1,067,994	Pike		
WX21195021	Greasy Creek Booster Pump Station	0-2 Years	Not Funded	$500,000	Pike		

Buffalo Trace Area Development District (BTADD)



- 2010 census population of 56,478 (26,144 households) with 98% serviceable.
- Projected 2020 population of 58,306 (change of 1,828).
- 1,887.62 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 71.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $23,006,315.
- Estimated funding needs for projects from 6 to 10 years: $3,700,000.
- Average age of structures: water treatment plants is 38 years; water tanks is 23 years.
- Total number of interconnected systems is 19.
- 103 miles of asbestos concrete pipe currently in use.
- 383 miles of water lines less than 15 years old.
- 943 miles of water lines between 15 and 30 years old.
- 383 miles of water lines between 31 and 50 years old.
- 154 miles of water lines between 51 and 70 years old.
- 34 miles of water lines greater than 70 years old.

Buffalo Trace Area Development District has a 2010 census population count of 56,478 (26,144 households) with a projected 2020 population count of 58,306 (24,059 households). Public water is currently available to approximately 98 percent of the district's households based on 2010 census counts. Over the next ten years approximately 163 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 14,125 instances of improved service through the rehabilitation of 71.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this district.

County Summary for Buffalo Trace Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bracken	8,488	3,840	8,744	3,538	3,800	99%	$ 4,215,470
Fleming	14,348	6,623	14,880	6,231	6,582	99%	$ 5,958,795
Lewis	13,870	6,481	13,899	5,717	6,282	97%	$ 6,341,080
Mason	17,490	8,105	18,419	7,608	7,894	97%	$ 8,505,970
Robertson	2,282	1,095	2,364	965	1,090	100%	$ 1,685,000
Totals	**56,478**	**26,144**	**58,306**	**24,059**	**25,648**	**98%**	**$ 26,706,315**

Kentucky Infrastructure Authority
January 04, 2019

EXISTING & PROPOSED WATER LINES

BTADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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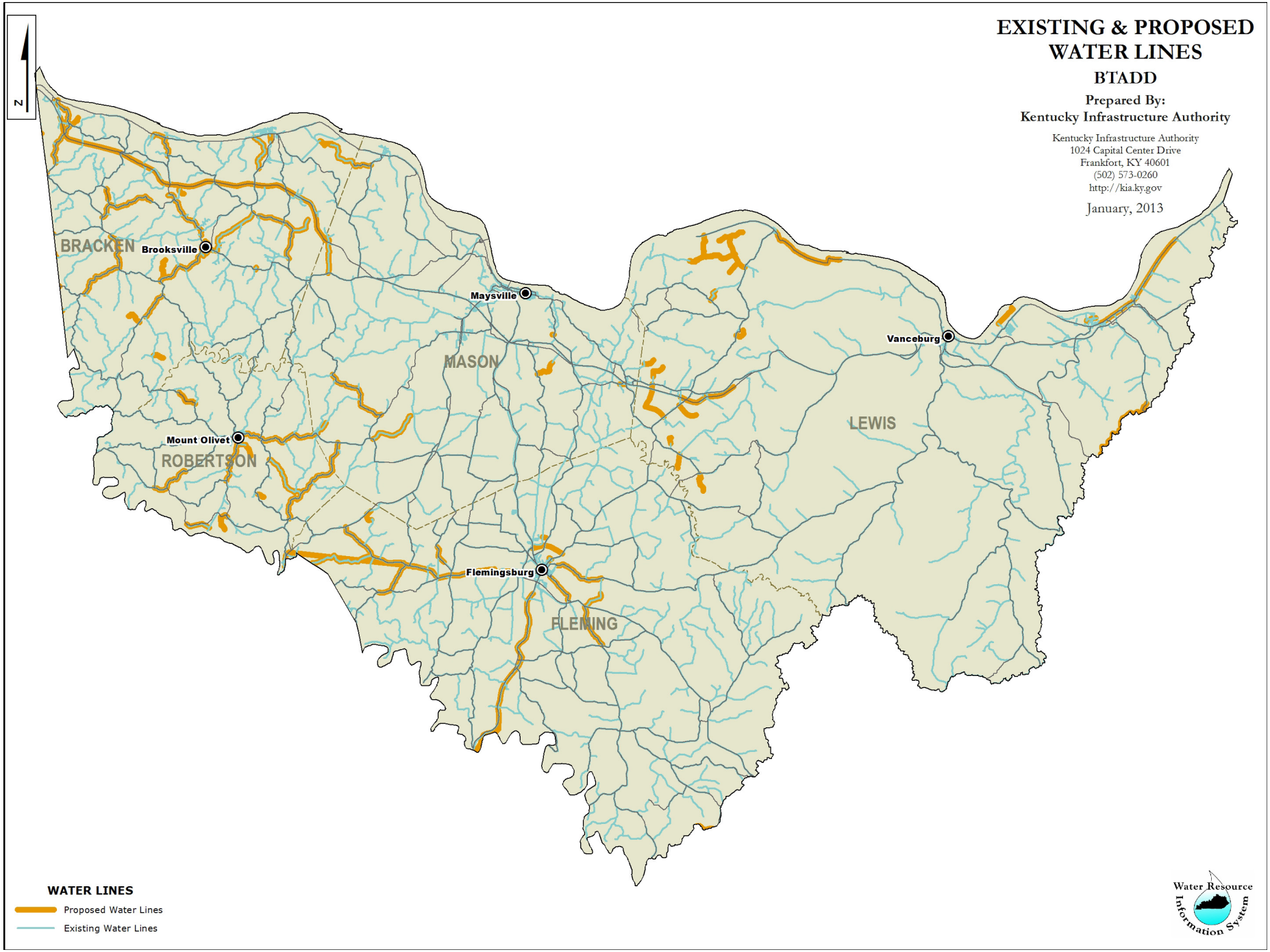


Community Water Systems in Buffalo Trace Area Development District County

Note: Serviceable counts include households outside the area development district.

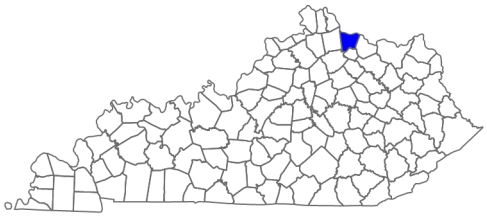
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0120013	Augusta Regional WTP	Bracken	1,165	571
KY0120039	Bracken County Water District	Bracken	6,115	2,723
KY0120044	Brooksville Water	Bracken	658	298
KY0350133	Fleming County Water Association	Fleming	9,693	4,283
KY0350134	Flemingsburg Water	Fleming	3,014	1,539
KY0910675	Western Fleming Water District	Fleming	2,867	1,300
KY0680153	Garrison Water	Lewis	2,819	1,251
KY0680438	Vanceburg Water	Lewis	6,348	3,024
KY0810046	Buffalo Trail Water Association	Mason	3,407	1,594
KY0810275	Maysville Water	Mason	11,459	5,486
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	4,977	2,252
KY0810460	Western Mason Water District	Mason	2,169	948
KY1010297	Mount Olivet Water	Robertson	443	211
		Totals:	55,134	25,480

Project Rankings For Buffalo Trace Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	$600,000	Fleming	1	1
WX21161024	Mayslick Tank	0-2 Years	Not Funded	$1,850,500	Mason	2	1
WX21135020	Eastern Lewis-Garrison Water Extension	0-2 Years	Not Funded	$1,029,080	Lewis	3	1
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	4	1
WX21161044	Maysville Third Street Waterline Replacement	0-2 Years	Not Funded	$1,200,000	Mason	5	8
WX21161037	WMWD-Water System Improvements Project	0-2 Years	Not Funded	$1,860,470	Mason	6	2
WX21069034	Flemingsburg Water - East Water Street Water Line Replacement	0-2 Years	Not Funded	$197,795	Fleming	7	2
WX21023047	Augusta Water Treatment Plant Improvements	3-5 Years	Not Funded	$225,000	Bracken	8	2
WX21135019	Vanceburg Utility Upgrade Project	3-5 Years	Not Funded	$1,112,000	Lewis	9	2
WX21201016	BTWA-KY1029 From Ogden Ridge to KY 165	6-10 Years	Not Funded	$400,000	Robertson	10	2
WX21069039	E Main St & Mills Ave Waterline Replacement	0-2 Years	Not Funded	$80,000	Fleming	11	3
WX21201014	Mt. Olivet Water Upgrade-KY 617/KY 165 S	6-10 Years	Not Funded	$370,000	Robertson	12	1
WX21201013	BTWA-Scattered Lines	6-10 Years	Not Funded	$365,000	Robertson	13	3
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	3-5 Years	Not Funded	$600,000	Lewis	14	3
WX21023032	Brooksville Improvements	6-10 Years	Not Funded	$500,000	Bracken	15	3
WX21161034	BTWA-Sardis Upgrade	3-5 Years	Not Funded	$150,000	Mason	16	3
WX21161022	WLRWD - Office Tank	3-5 Years	Not Funded	$1,440,000	Mason	17	4
WX21023046	Augusta Well	6-10 Years	Not Funded	$250,000	Bracken	18	4
WX21135007	Garrison Quincy Water District-Phase 4	3-5 Years	Not Funded	$2,500,000	Lewis	19	4
WX21201010	BTWA - KY 1029 & Gayles Gorge	6-10 Years	Not Funded	$550,000	Robertson	20	4
WX21069030	WFWD-Nepton Rd & Connector Rd	3-5 Years	Not Funded	$100,000	Fleming	21	4
WX21069038	Western Fleming Water District-Phase 2 AC Line Replacement	3-5 Years	Not Funded	$3,000,000	Fleming	22	5
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	23	5
WX21161033	BTWA-Happy Ridge Upgrade	3-5 Years	Not Funded	$205,000	Mason	24	5
WX21161038	BTWA - Old Sardis Pike	6-10 Years	Not Funded	$200,000	Mason	25	6
WX21023050	Bracken County Water District Water Treatment Plant Project	3-5 Years	Not Funded	$6,000,000	Bracken	26	6
WX21069022	FCWA 12" Bypass Water Line	3-5 Years	Not Funded	$501,000	Fleming	27	6
WX21069008	Greater Fleming County Regional Water Commission-Phase 2 Extension	11-20 Years	Not Funded	$7,944,000	Fleming	28	7
WX21161013	Maysville Utility Telemetry/Security Improvements	6-10 Years	Not Funded	$150,000	Mason	29	7
WX21069013	GFCRWC- Phase III	11-20 Years	Not Funded	$16,338,000	Fleming	30	8
			Total Cost:	**$51,097,845**			

Bracken County

- 2010 census population of 8,488 (3,840 households) with 99% serviceable.
- Projected 2020 population of 8,744 (change of 256).
- Bracken County has 322.60 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,465,470.
- Estimated funding needs for projects from 6 to 10 years: $750,000.



Bracken County has a 2010 census population count of 8,488 (3,840 households) with a projected 2020 population count of 8,744 (3,538 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 4,043 instances of improved service through the rehabilitation of 6.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Augusta	4	$1,855,000	1	3,716	-	-	-
City of Brooksville	1	$500,000	-	300	-	3.00	-
Western Mason Water District	1	$1,860,470	-	27	-	3.00	-
Totals:	**6**	**$4,215,470**	**1**	**4,043**	**-**	**6.00**	**-**

Community Drinking Water Systems in Bracken County

Note: Serviceability counts are for households within Bracken county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0120013	Augusta Regional WTP	Bracken	1,165	571
KY0120039	Bracken County Water District	Bracken	5,990	2,651
KY0120044	Brooksville Water	Bracken	658	298
KY0810046	Buffalo Trail Water Association	Mason	211	106
KY0810460	Western Mason Water District	Mason	395	172
		Totals:	8,419	3,798

Kentucky Infrastructure Authority
January 04, 2019

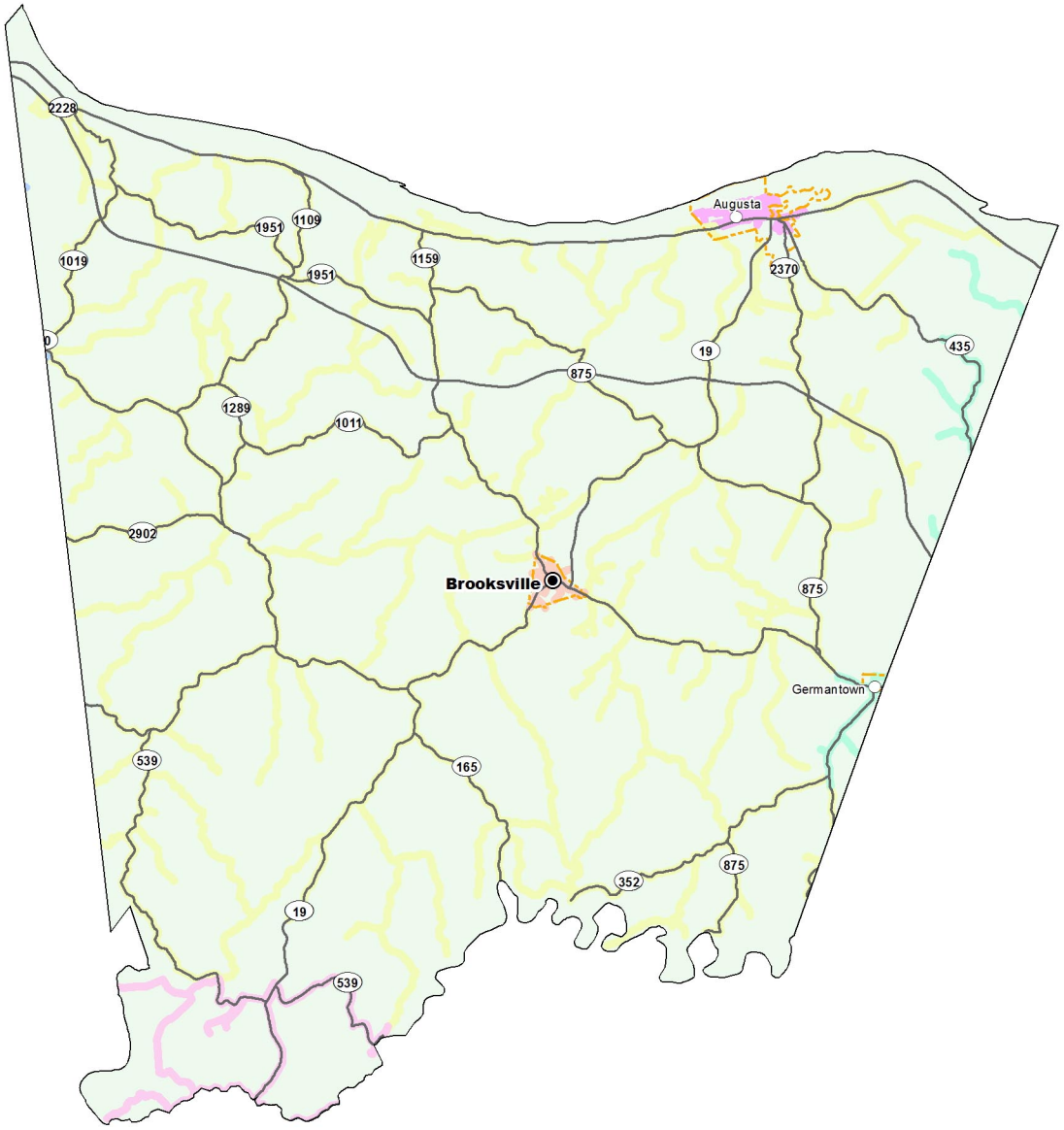
WATER SERVICE AREAS
BRACKEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- AUGUSTA REGIONAL WTP
- BRACKEN COUNTY WATER DISTRICT
- BROOKSVILLE WATER
- BUFFALO TRAIL WATER ASSOCIATION
- EAST PENDLETON WATER DISTRICT
- WESTERN MASON WATER DISTRICT

System Summary for Augusta Regional WTP

PWSID	KY0120013	Treats Water	Yes, 1 plant with total capacity of 1.728 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 4 sources.
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$21.16 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	575
Residential Customers	525	Total Produced (MG)	223.192
Commercial Customers	41	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	54.306
Industrial Customers	9	Total Wholesale Sold (MG)	145.539
Wholesale Customers	1	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 9.59 miles (Distribution: 8.83 miles, Transmission: 0.76 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Augusta Regional WTP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	4	1
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	23	5

System Summary for Bracken County Water District

PWSID	KY0120039	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$45.67 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,534
Residential Customers	2,515	Total Produced (MG)	-
Commercial Customers	18	Total Purchased (MG)	155.599
Institutional Customers	-	Total Inside Usage (MG)	124.970
Industrial Customers	-	Total Wholesale Sold (MG)	21.732
Wholesale Customers	3	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 286.55 miles (Distribution: 286.55 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bracken County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	4	1
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	23	5

System Summary for Brooksville Water

PWSID	KY0120044	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.30 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	316
Residential Customers	257	Total Produced (MG)	-
Commercial Customers	59	Total Purchased (MG)	19.398
Institutional Customers	-	Total Inside Usage (MG)	17.768
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 5.21 miles (Distribution: 5.21 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Brooksville Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	4	1
WX21023032	Brooksville Improvements	6-10 Years	Not Funded	$500,000	Bracken	15	3
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	23	5

Fleming County

- 2010 census population of 14,348 (6,623 households) with 99% serviceable.
- Projected 2020 population of 14,880 (change of 532).
- Fleming County has 538.48 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 18.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,958,795.
- There are no projects planned from 6 to 10 years.

Fleming County has a 2010 census population count of 14,348 (6,623 households) with a projected 2020 population count of 14,880 (6,231 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 38 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 1,385 instances of improved service through the rehabilitation of 18.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Flemingsburg	2	$277,795	-	46	-	-	-
Fleming County Water Association Inc	1	$501,000	-	1,000	2.00	-	-
Western Fleming County Water District	3	$5,180,000	38	339	1.00	18.00	-
Totals:	**6**	**$5,958,795**	**38**	**1,385**	**3.00**	**18.00**	**-**

Community Drinking Water Systems in Fleming County

Note: Serviceability counts are for households within Fleming county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0350133	Fleming County Water Association	Fleming	8,256	3,686
KY0350134	Flemingsburg Water	Fleming	3,004	1,537
KY0910675	Western Fleming Water District	Fleming	2,821	1,275
KY0810275	Maysville Water	Mason	38	12
KY1030375	Rowan Water, Inc	Rowan	118	53
		Totals:	14,237	6,563

Kentucky Infrastructure Authority
January 04, 2019

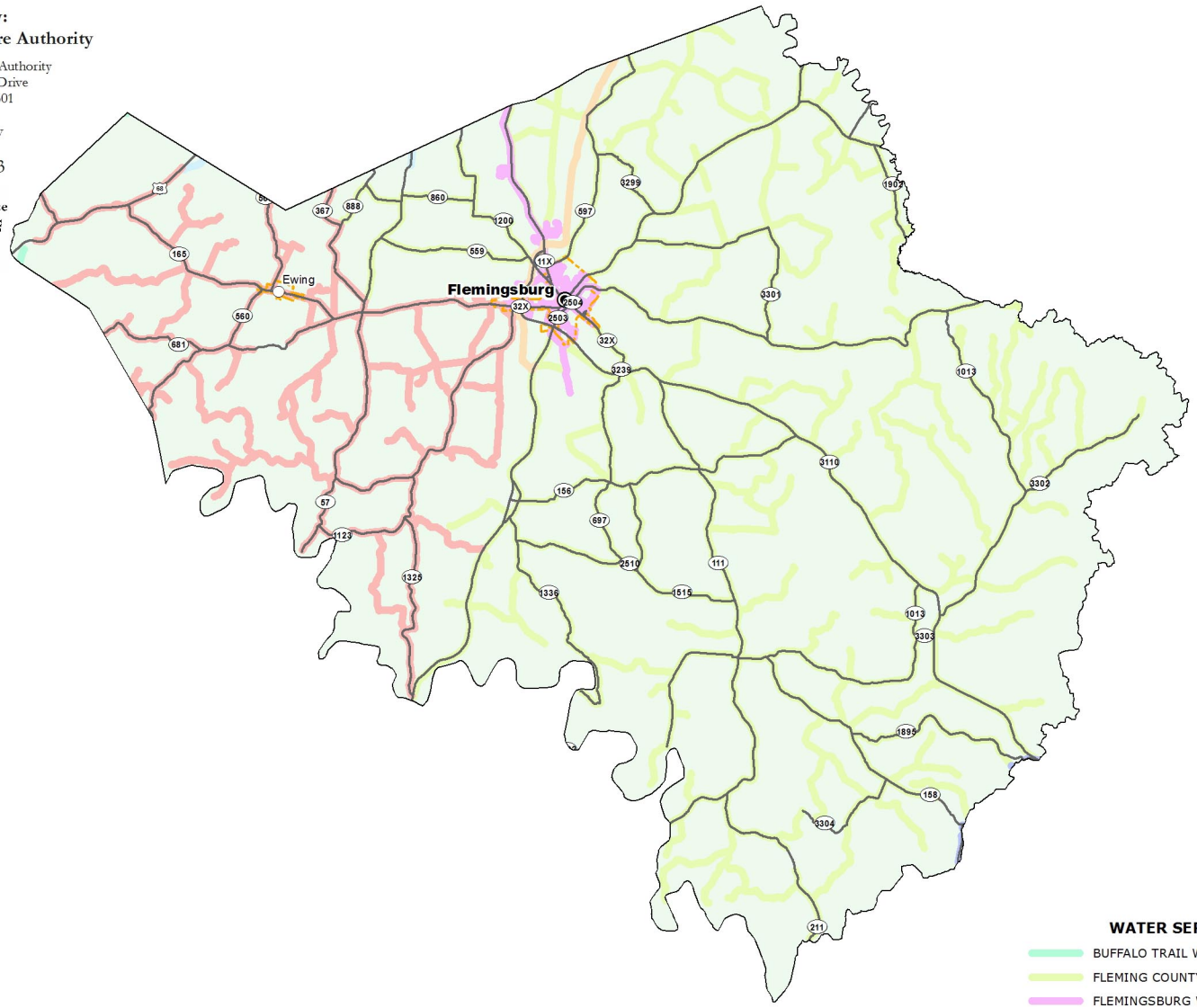
WATER SERVICE AREAS
FLEMING COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BUFFALO TRAIL WATER ASSOCIATION
- FLEMING COUNTY WATER ASSOCIATION
- FLEMINGSBURG WATER
- GREATER FLEMING REGIONAL WATER COMMISSION
- MAYSVILLE WATER
- ROWAN WATER, INC
- WESTERN FLEMING WATER DISTRICT

System Summary for Fleming County Water Association

PWSID	KY0350133	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$31.80 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,043
Residential Customers	3,182	Total Produced (MG)	-
Commercial Customers	592	Total Purchased (MG)	294.667
Institutional Customers	-	Total Inside Usage (MG)	277.494
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 445.43 miles (Distribution: 445.43 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Fleming County Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	$600,000	Fleming	1	1
WX21069022	FCWA 12" Bypass Water Line	3-5 Years	Not Funded	$501,000	Fleming	27	6

System Summary for Flemingsburg Water

PWSID	KY0350134	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$36.01 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$47.27 per 4,000 gallons.	Total Connections	1,872
Residential Customers	1,601	Total Produced (MG)	28.133
Commercial Customers	240	Total Purchased (MG)	145.164
Institutional Customers	-	Total Inside Usage (MG)	108.996
Industrial Customers	6	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%
Total Distribution System Line Length = 34.76 miles (Distribution: 34.64 miles, Transmission: 0.12 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Flemingsburg Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	$600,000	Fleming	1	1
WX21069034	Flemingsburg Water - East Water Street Water Line Replacement	0-2 Years	Not Funded	$197,795	Fleming	7	2
WX21069039	E Main St & Mills Ave Waterline Replacement	0-2 Years	Not Funded	$80,000	Fleming	11	3

System Summary for Greater Fleming Regional Water Commission

PWSID	KY0351008	Treats Water	Yes, 1 plant with total capacity of 2.880 MGD.
System Type	Community	Surface Source	No
Owner Type	Regional Water Commission	Groundwater Source	Yes, 3 sources.
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	$7.44 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	5
Residential Customers	-	Total Produced (MG)	460.559
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	0.400
Industrial Customers	-	Total Wholesale Sold (MG)	439.489
Wholesale Customers	4	Estimated Pct. Water Loss	4%
Total Distribution System Line Length = 20.38 miles (Distribution: 0.02 miles, Transmission: 20.35 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Greater Fleming Regional Water Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	$600,000	Fleming	1	1

System Summary for Western Fleming Water District

PWSID	KY0910675	Treats Water	Yes, 1 plant with total capacity of 1.730 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$41.23 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,471
Residential Customers	1,447	Total Produced (MG)	332.708
Commercial Customers	22	Total Purchased (MG)	38.030
Institutional Customers	-	Total Inside Usage (MG)	108.257
Industrial Customers	-	Total Wholesale Sold (MG)	210.143
Wholesale Customers	2	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 135.93 miles (Distribution: 135.67 miles, Transmission: 0.26 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Western Fleming Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	$600,000	Fleming	1	1
WX21069030	WFWD-Nepton Rd & Connector Rd	3-5 Years	Not Funded	$100,000	Fleming	21	4
WX21069038	Western Fleming Water District-Phase 2 AC Line Replacement	3-5 Years	Not Funded	$3,000,000	Fleming	22	5
WX21069032	Western Fleming-Planning & Design & Phase 1 AC Replacement	0-2 Years	Partially Funded	$2,080,000	Fleming		

Lewis County

- 2010 census population of 13,870 (6,481 households) with 97% serviceable.
- Projected 2020 population of 13,899 (change of 29).
- Lewis County has 497.76 miles of existing water lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,341,080.
- There are no projects planned from 6 to 10 years.

Lewis County has a 2010 census population count of 13,870 (6,481 households) with a projected 2020 population count of 13,899 (5,717 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 123 serviceable households will be added through the construction of 10.00 miles of water line extensions and approximately 672 instances of improved service through the rehabilitation of 12.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of South Shore	1	$500,000	18	-	2.00	-	1.00
Garrison-Quincy-Ky-O-Heights Water District	3	$4,129,080	105	626	8.00	9.00	-
Greater Fleming Regional Water Commission	1	$600,000	-	-	-	-	-
Vanceburg Electric Plant Board	1	$1,112,000	-	46	-	3.00	-
Totals:	**6**	**$6,341,080**	**123**	**672**	**10.00**	**12.00**	**1.00**

Community Drinking Water Systems in Lewis County

Note: Serviceability counts are for households within Lewis county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0680153	Garrison Water	Lewis	2,819	1,251
KY0680438	Vanceburg Water	Lewis	6,301	3,002
KY0220555	Rattlesnake Ridge Water District	Carter	95	43
KY0350133	Fleming County Water Association	Fleming	868	384
KY0450410	City of South Shore	Greenup	358	181
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	3,037	1,421
		Totals:	13,478	6,282

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
LEWIS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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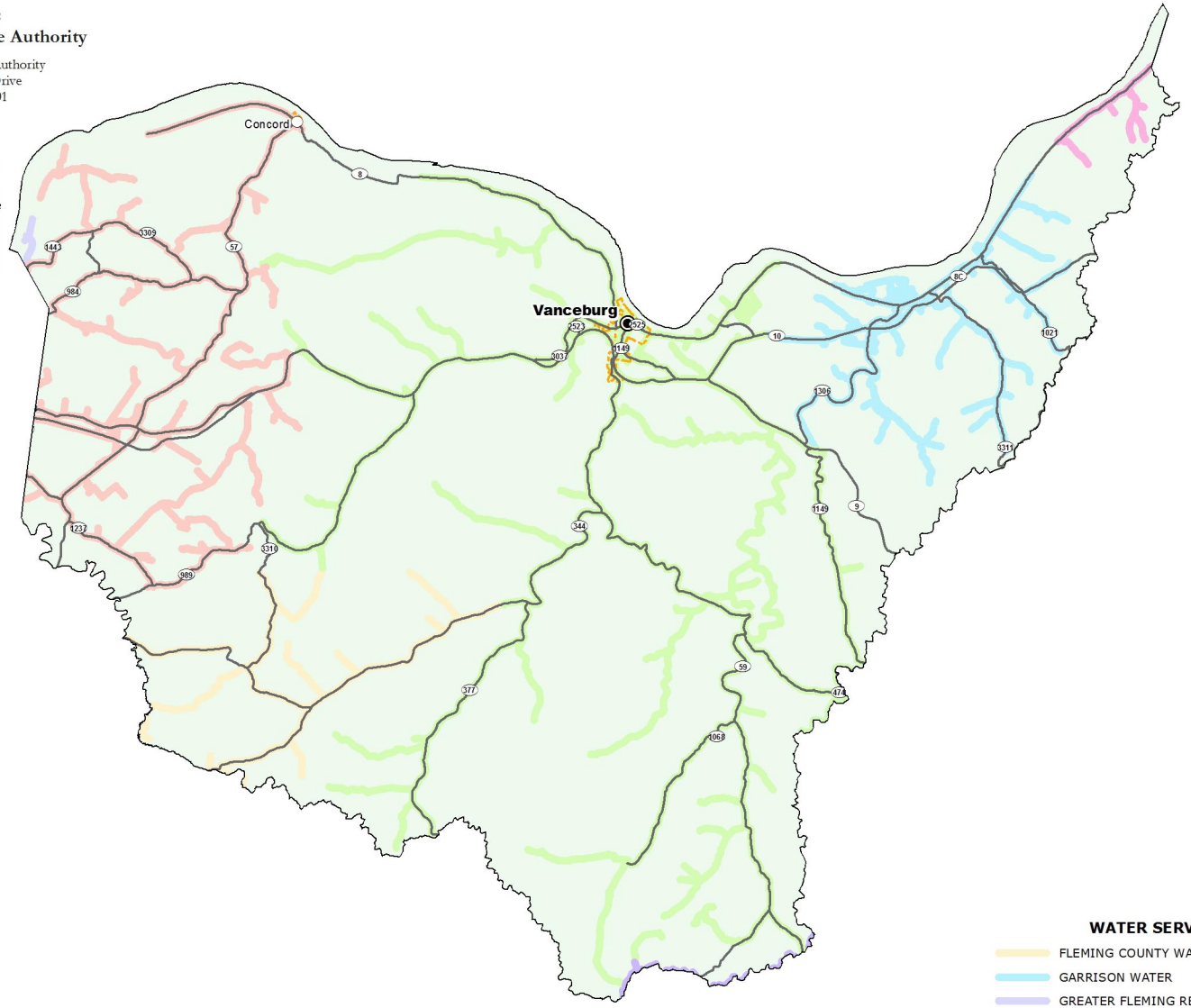
Water Resource Information System



WATER SERVICE BY OWNER

- FLEMING COUNTY WATER ASSOCIATION
- GARRISON WATER
- GREATER FLEMING REGIONAL WATER COMMISSION
- RATTLESNAKE RIDGE WATER DISTRICT
- SOUTH SHORE WATER WORKS INC.
- VANCEBURG WATER
- WESTERN LEWIS-RECTORVILLE WATER & GAS DISTRICT

System Summary for Garrison Water

PWSID	KY0680153	Treats Water	Yes, 1 plant with total capacity of 0.288 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$36.60 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,051
Residential Customers	1,010	Total Produced (MG)	76.975
Commercial Customers	39	Total Purchased (MG)	21.496
Institutional Customers	-	Total Inside Usage (MG)	77.955
Industrial Customers	1	Total Wholesale Sold (MG)	12.355
Wholesale Customers	1	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 77.59 miles (Distribution: 77.53 miles, Transmission: 0.07 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Garrison Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21135020	Eastern Lewis-Garrison Water Extension	0-2 Years	Not Funded	$1,029,080	Lewis	3	1
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	3-5 Years	Not Funded	$600,000	Lewis	14	3
WX21135007	Garrison Quincy Water District-Phase 4	3-5 Years	Not Funded	$2,500,000	Lewis	19	4

System Summary for Vanceburg Water

PWSID	KY0680438	Treats Water	Yes, 1 plant with total capacity of 2.200 MGD.
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 6 sources.
Employees	5	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$25.15 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$33.80 per 4,000 gallons.	Total Connections	2,611
Residential Customers	2,482	Total Produced (MG)	304.778
Commercial Customers	119	Total Purchased (MG)	0.057
Institutional Customers	1	Total Inside Usage (MG)	155.419
Industrial Customers	9	Total Wholesale Sold (MG)	21.496
Wholesale Customers	2	Estimated Pct. Water Loss	42%

Total Distribution System Line Length = 237.75 miles (Distribution: 227.69 miles, Transmission: 10.06 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Vanceburg Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21135019	Vanceburg Utility Upgrade Project	3-5 Years	Not Funded	$1,112,000	Lewis	9	2

Mason County

- 2010 census population of 17,490 (8,105 households) with 97% serviceable.
- Projected 2020 population of 18,419 (change of 929).
- Mason County has 390.09 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,240,970.
- Estimated funding needs for projects from 6 to 10 years: $1,265,000.

Mason County has a 2010 census population count of 17,490 (8,105 households) with a projected 2020 population count of 18,419 (7,608 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 7,694 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Buffalo Trail Water Association Inc	5	$1,470,000	-	101	-	9.00	-
City of Maysville	3	$3,585,500	-	850	-	2.00	-
Maysville Utility Commission	1	$150,000	-	5,183	-	-	-
Western Lewis-Rectorville Water & Gas District	1	$1,440,000	-	1,500	-	-	-
Western Mason Water District	1	$1,860,470	-	60	-	9.00	-
Totals:	**11**	**$8,505,970**	**-**	**7,694**	**-**	**20.00**	**-**

Community Drinking Water Systems in Mason County

Note: Serviceability counts are for households within Mason county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0810046	Buffalo Trail Water Association	Mason	1,284	569
KY0810275	Maysville Water	Mason	11,421	5,474
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	1,940	831
KY0810460	Western Mason Water District	Mason	1,774	776
KY0120039	Bracken County Water District	Bracken	45	30
KY0350133	Fleming County Water Association	Fleming	565	211
		Totals:	17,029	7,891

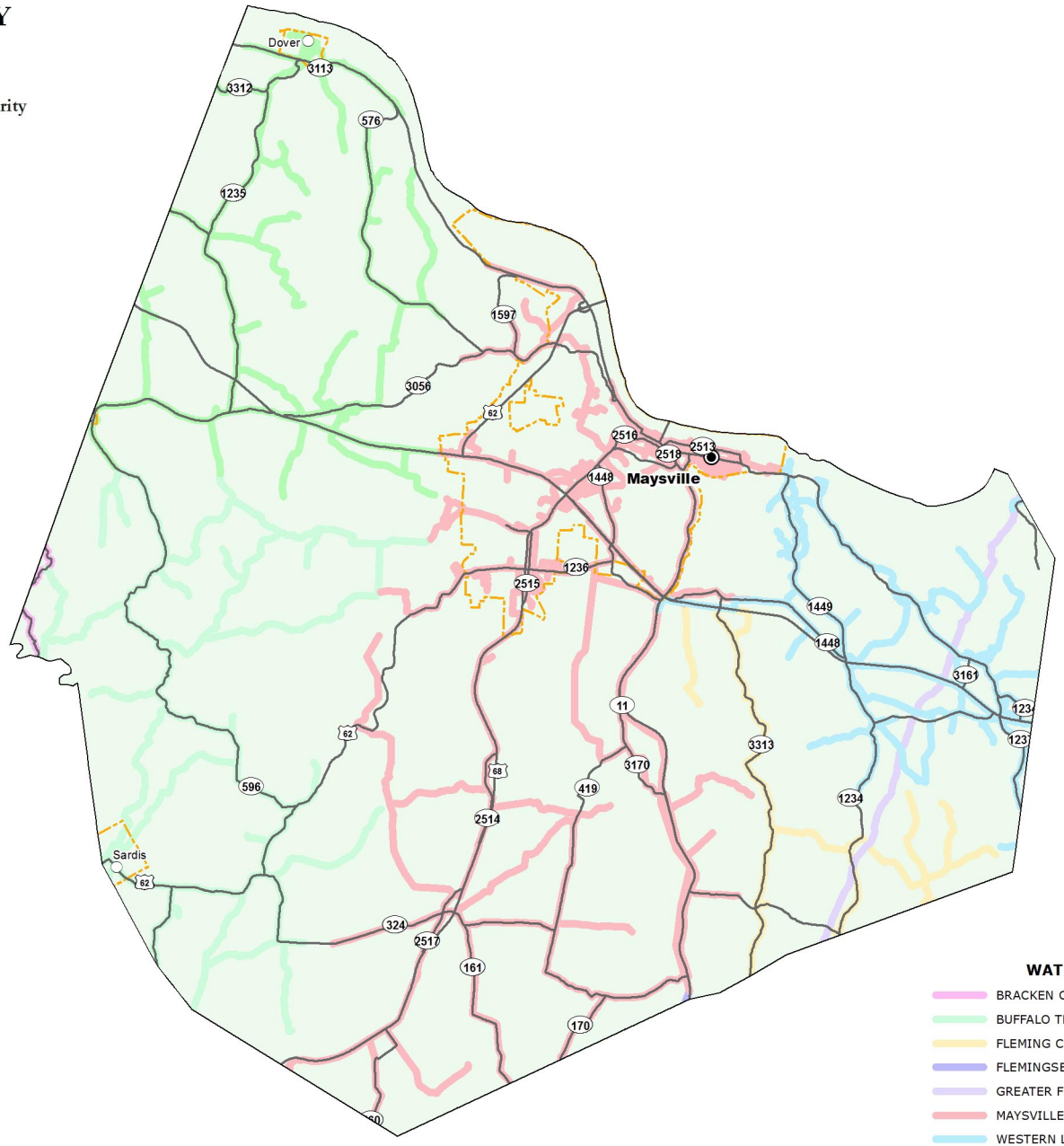
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MASON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



WATER SERVICE BY OWNER

- BRACKEN COUNTY WATER DISTRICT
- BUFFALO TRAIL WATER ASSOCIATION
- FLEMING COUNTY WATER ASSOCIATION
- FLEMINGSBURG WATER
- GREATER FLEMING REGIONAL WATER COMMISSION
- MAYSVILLE WATER
- WESTERN LEWIS-RECTORVILLE WATER & GAS DISTRICT
- WESTERN MASON WATER DISTRICT

System Summary for Buffalo Trail Water Association

PWSID	KY0810046	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$33.67 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,507
Residential Customers	1,499	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	122.190
Institutional Customers	-	Total Inside Usage (MG)	97.388
Industrial Customers	-	Total Wholesale Sold (MG)	12.959
Wholesale Customers	2	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 205.47 miles (Distribution: 205.47 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Buffalo Trail Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21201016	BTWA-KY1029 From Ogden Ridge to KY 165	6-10 Years	Not Funded	$400,000	Robertson	10	2
WX21201013	BTWA-Scattered Lines	6-10 Years	Not Funded	$365,000	Robertson	13	3
WX21161034	BTWA-Sardis Upgrade	3-5 Years	Not Funded	$150,000	Mason	16	3
WX21161033	BTWA-Happy Ridge Upgrade	3-5 Years	Not Funded	$205,000	Mason	24	5
WX21161038	BTWA - Old Sardis Pike	6-10 Years	Not Funded	$200,000	Mason	25	6

System Summary for Maysville Water

PWSID	KY0810275	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	24	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$23.28 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$29.10 per 4,000 gallons.	Total Connections	5,124
Residential Customers	4,589	Total Produced (MG)	850.123
Commercial Customers	637	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	472.440
Industrial Customers	36	Total Wholesale Sold (MG)	70.124
Wholesale Customers	4	Estimated Pct. Water Loss	36%

Total Distribution System Line Length = 170.50 miles (Distribution: 160.79 miles, Transmission: 9.71 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Maysville Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21161024	Mayslick Tank	0-2 Years	Not Funded	$1,850,500	Mason	2	1
WX21161044	Maysville Third Street Waterline Replacement	0-2 Years	Not Funded	$1,200,000	Mason	5	8
WX21161013	Maysville Utility Telemetry/Security Improvements	6-10 Years	Not Funded	$150,000	Mason	29	7
WX21161043	Maysville Second Street Waterline Replacement	3-5 Years	Not Funded	$535,000	Mason		

System Summary for Western Lewis-Rectorville Water & Gas District

PWSID	KY0810366	Treats Water	Yes, 1 plant with total capacity of 0.500 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	9	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$34.05 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,286
Residential Customers	2,090	Total Produced (MG)	112.347
Commercial Customers	196	Total Purchased (MG)	33.651
Institutional Customers	-	Total Inside Usage (MG)	122.171
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 176.33 miles (Distribution: 176.16 miles, Transmission: 0.16 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Western Lewis-Rectorville Water & Gas District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	$600,000	Fleming	1	1
WX21161022	WLRWD - Office Tank	3-5 Years	Not Funded	$1,440,000	Mason	17	4
WX21201010	BTWA - KY 1029 & Gayles Gorge	6-10 Years	Not Funded	$550,000	Robertson	20	4

System Summary for Western Mason Water District

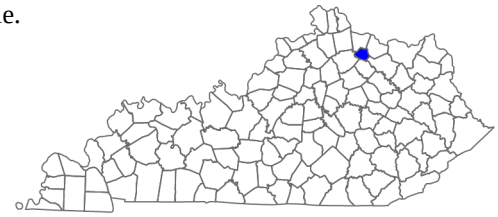
PWSID	KY0810460	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$51.40 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,030
Residential Customers	1,005	Total Produced (MG)	90.725
Commercial Customers	25	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	72.758
Industrial Customers	-	Total Wholesale Sold (MG)	10.060
Wholesale Customers	1	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 71.02 miles (Distribution: 70.60 miles, Transmission: 0.42 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Western Mason Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21161037	WMWD-Water System Improvements Project	0-2 Years	Not Funded	$1,860,470	Mason	6	2

Robertson County



- 2010 census population of 2,282 (1,095 households) with 100% serviceable.
- Projected 2020 population of 2,364 (change of 82).
- Robertson County has 138.69 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- There are no projects planned from 0 to 5 years.
- Estimated funding needs for projects from 6 to 10 years: $1,685,000.

Robertson County has a 2010 census population count of 2,282 (1,095 households) with a projected 2020 population count of 2,364 (965 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 331 instances of improved service through the rehabilitation of 15.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Buffalo Trail Water Association Inc	3	$1,315,000	1	175	3.00	11.00	-
City of Mount Olivet	1	$370,000	-	156	-	4.00	-
Totals:	**4**	**$1,685,000**	**1**	**331**	**3.00**	**15.00**	**-**

Community Drinking Water Systems in Robertson County

Note: Serviceability counts are for households within Robertson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1010297	Mount Olivet Water	Robertson	443	211
KY0810046	Buffalo Trail Water Association	Mason	1,824	875
		Totals:	2,267	1,086

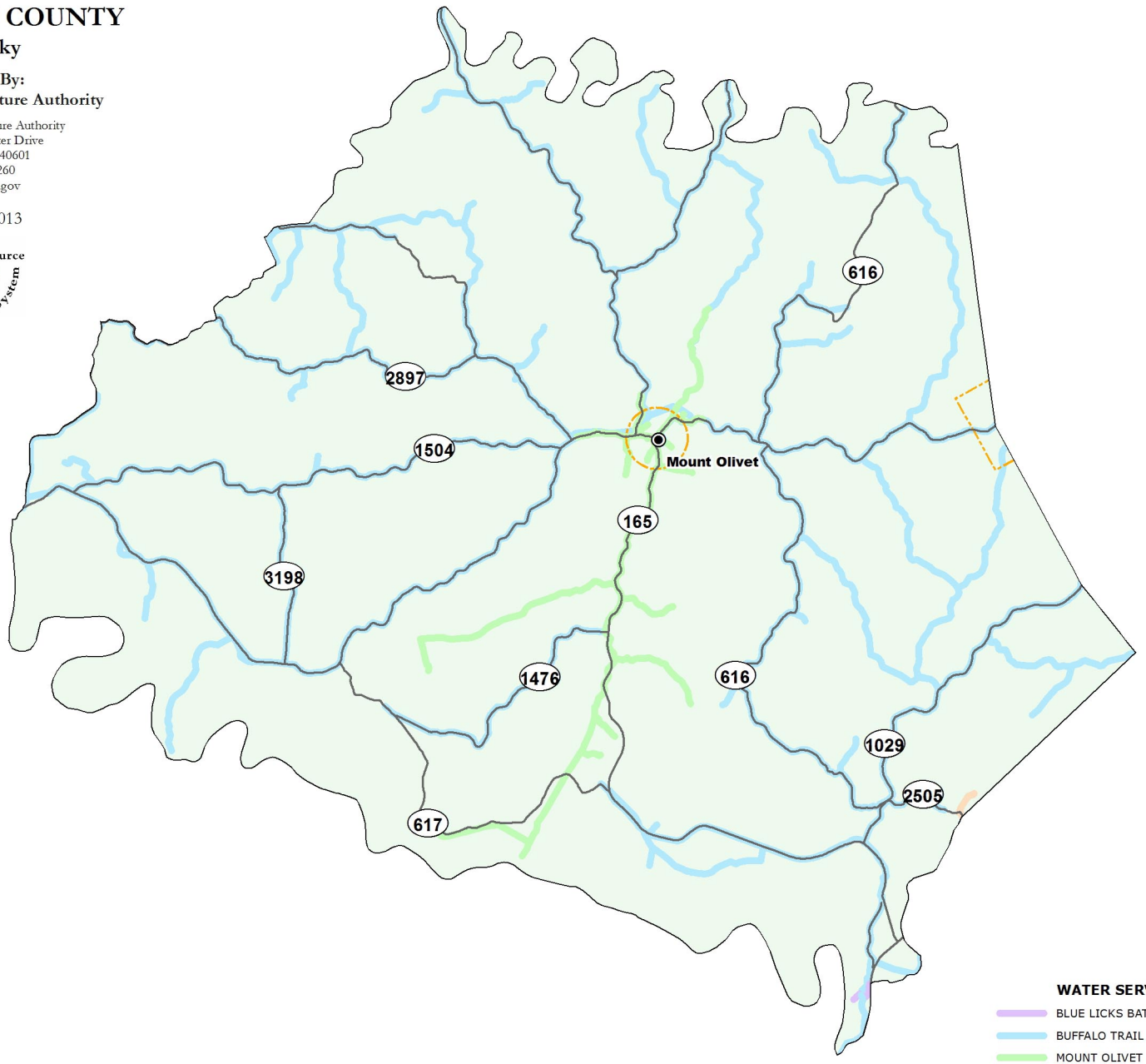
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
ROBERTSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



System Summary for Mount Olivet Water

PWSID	KY1010297	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$40.00 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$40.00 per 4,000 gallons.	Total Connections	227
Residential Customers	227	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	12.665
Institutional Customers	-	Total Inside Usage (MG)	8.152
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	36%

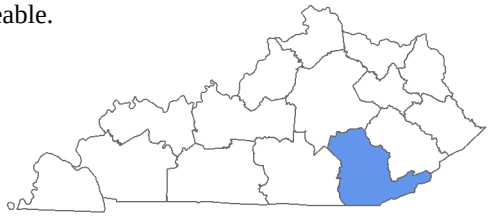
Total Distribution System Line Length = 19.33 miles (Distribution: 19.33 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Mount Olivet Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21201014	Mt. Olivet Water Upgrade-KY 617/KY 165 S	6-10 Years	Not Funded	$370,000	Robertson	12	1

Cumberland Valley Area Development District (CVADD)



- 2010 census population of 236,618 (104,865 households) with 97% serviceable.
- Projected 2020 population of 237,501 (change of 883).
- 4,619.98 miles of existing water lines.
- 103.00 miles of line extensions proposed in the next 10 years.
- 59.00 miles of line rehabilitation proposed in the next 10 years.
- 54.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $78,034,693.
- Estimated funding needs for projects from 6 to 10 years: $11,825,448.
- Average age of structures: water treatment plants is 38 years; water tanks is 29 years.
- Total number of interconnected systems is 36.
- 29 miles of asbestos concrete pipe currently in use.
- 487 miles of water lines less than 15 years old.
- 2,259 miles of water lines between 15 and 30 years old.
- 506 miles of water lines between 31 and 50 years old.
- 251 miles of water lines between 51 and 70 years old.
- 135 miles of water lines greater than 70 years old.

Cumberland Valley Area Development District has a 2010 census population count of 236,618 (104,865 households) with a projected 2020 population count of 237,501 (97,085 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 9,493 serviceable households will be added through the construction of 103.00 miles of water line extensions and approximately 198,383 instances of improved service through the rehabilitation of 59.00 miles of existing water lines and other appurtenances. 54.00 miles of transmission lines are also proposed within this district.

County Summary for Cumberland Valley Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bell	28,691	13,154	27,648	11,714	12,876	98%	$ 5,544,298
Clay	21,730	8,875	20,289	7,421	8,375	94%	$ 11,653,044
Harlan	29,278	13,513	26,099	10,856	12,948	96%	$ 11,303,215
Jackson	13,494	6,523	13,771	5,961	6,136	94%	$ 2,364,400
Knox	31,883	14,485	32,132	13,362	14,144	98%	$ 16,740,783
Laurel	58,849	25,446	64,713	26,415	25,255	99%	$ 31,665,165
Rockcastle	17,056	7,703	17,593	7,308	7,443	97%	$ 4,939,976
Whitley	35,637	15,166	35,256	14,048	14,736	97%	$ 5,649,260
Totals	**236,618**	**104,865**	**237,501**	**97,085**	**101,913**	**97%**	**$ 89,860,141**

Kentucky Infrastructure Authority
January 04, 2019

EXISTING & PROPOSED WATER LINES

CVADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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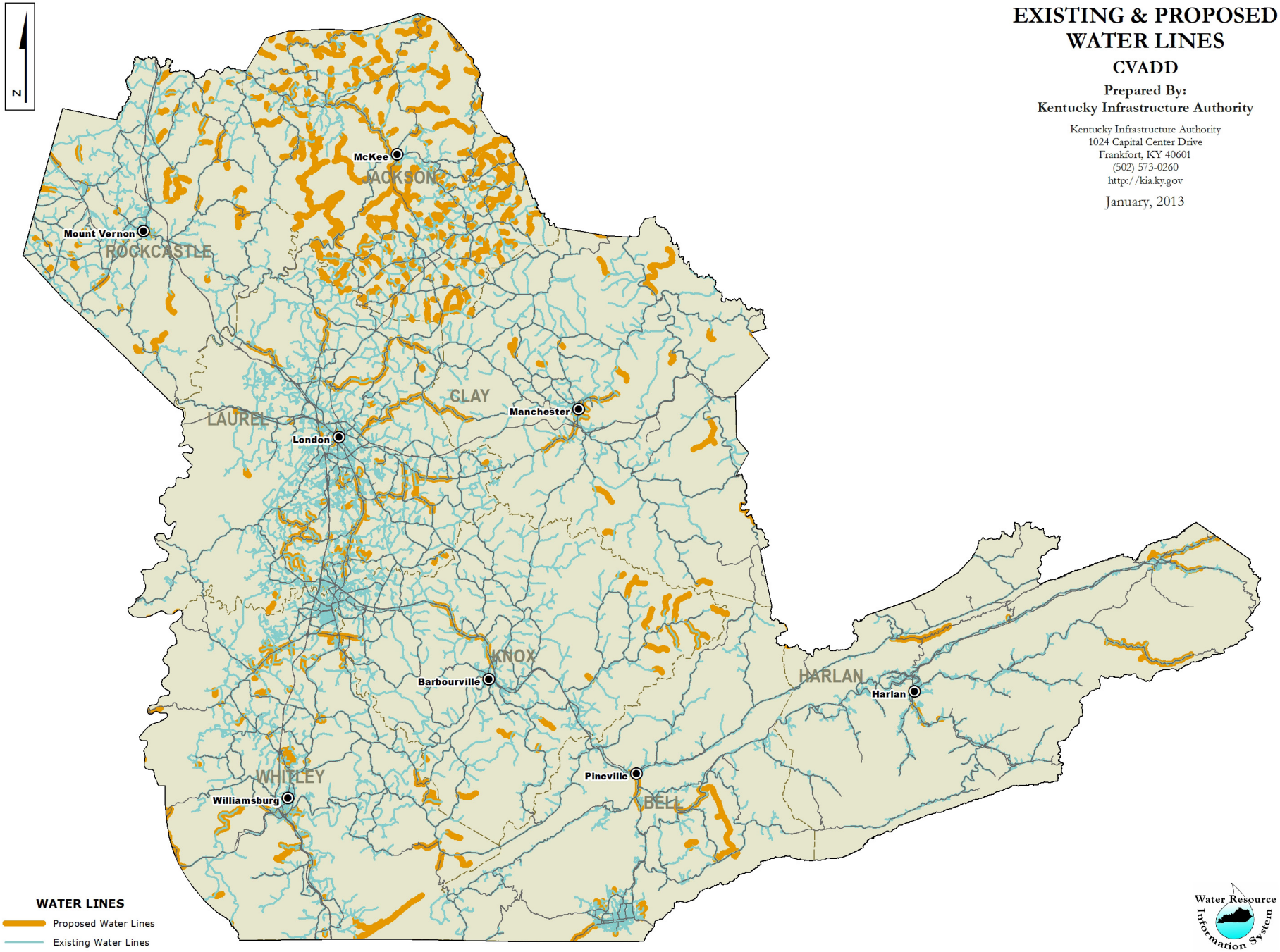

Community Water Systems in Cumberland Valley Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0070729	Bell County Forestry Camp	Bell	74	15
KY0073691	Pineville - Fonde Water System	Bell	75	33
KY0070353	Pineville Water System	Bell	15,570	7,041
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0260737	Manchester Water Works	Clay	13,248	5,726
KY0260266	North Manchester Water Association Inc	Clay	6,636	2,274
KY0480265	BMUD - Ages/Coxton	Harlan	1,081	476
KY0480277	BMUD - Dayhoit	Harlan	1,960	915
KY0480341	BMUD - Green Hills	Harlan	1,377	621
KY0480603	BMUD - Kenvir	Harlan	756	329
KY0480498	BMUD - Louellen	Harlan	785	380
KY0480650	BMUD - Rosspoint	Harlan	1,823	851
KY0480461	BMUD - Sukey Ridge	Harlan	787	367
KY0480572	BMUD - Wallins	Harlan	1,670	761
KY0480565	Cawood Water District	Harlan	4,516	1,974
KY0483727	Cawood Water District - Pathfork	Harlan	486	231
KY0480028	City of Benham	Harlan	730	387
KY0480262	City of Lynch	Harlan	829	492
KY0480092	Cumberland Municipal Water Works	Harlan	3,568	1,732
KY0480125	Evarts Municipal Water Plant	Harlan	3,426	1,403
KY0480178	Harlan Municipal Water Works	Harlan	4,286	2,051
KY0550784	City of McKee	Jackson	898	478
KY0550209	Jackson County Water Association Inc	Jackson	11,651	5,531
KY0610016	Barbourville Utility Commission	Knox	15,840	7,071
KY0610110	Knox County Utility Commission	Knox	7,845	3,766
KY0630797	East Laurel Water District	Laurel	12,966	5,482
KY0630238	Laurel Water District #2	Laurel	14,649	6,139
KY0630255	London Utility Commission	Laurel	9,221	4,186
KY0630451	West Laurel Water Association	Laurel	12,263	5,272
KY0630477	Wood Creek Water District	Laurel	11,744	5,128
KY1020889	City of Brodhead	Rockcastle	1,503	674
KY1020299	City of Mount Vernon	Rockcastle	4,404	2,025
KY1020288	Kentucky American Water	Rockcastle	1,598	785
KY1020253	Livingston Municpal Water Works	Rockcastle	385	198
KY1020891	Western Rockcastle Water Association	Rockcastle	10,724	4,737
KY1180085	Corbin Utilities Commission	Whitley	14,872	6,832
KY1180093	Cumberland Falls Highway Water District	Whitley	8,842	3,672
KY1180468	Whitley County Water District	Whitley	11,309	4,869
KY1183728	Whitley County Water District - 92 West	Whitley	453	197
KY1180471	Williamsburg Municipal WTP	Whitley	5,240	1,965
		Totals:	232,112	102,792

Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203004	Contract 12 - Water Extensions & Improvements	0-2 Years	Not Funded	$831,000	Rockcastle	1	3
WX21203008	Tower Tank Transmission Main	0-2 Years	Not Funded	$323,300	Rockcastle	2	1
WX21095008	Lynch - Backwash at WTP	0-2 Years	Not Funded	$392,650	Harlan	3	2
WX21125017	Fariston Road Drinking Water Line Extension	0-2 Years	Partially Funded	$82,663	Laurel	4	1
WX21121537	Knox: Water Line Extension In Whitley County	0-2 Years	Partially Funded	$709,260	Whitley	5	3
WX21095003	Cumberland Water System Improvements	3-5 Years	Not Funded	$1,664,000	Harlan	6	3
WX21203006	Brodhead: Waterline Replacement and Upgrade	3-5 Years	Not Funded	$1,136,000	Rockcastle	7	2
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	0-2 Years	Not Funded	$890,000	Clay	8	4
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	$100,000	Whitley	9	1
WX21235005	Upper Lot Mud Creek Road Water Line Extension	0-2 Years	Not Funded	$450,000	Whitley	10	4
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	$2,777,500	Knox	11	3
WX21121003	Southeast KY Industrial Development Authority (SKIDA)	0-2 Years	Not Funded	$273,000	Knox	12	4
WX21125014	HWY 552 and Robinson Creek Road Loop Lines Project	3-5 Years	Not Funded	$221,517	Laurel	13	3
WX21109002	Downtown Water Storage Tank Replacement	3-5 Years	Not Funded	$1,825,000	Jackson	14	1
WX21109005	Water Treatment Plant Improvements	0-2 Years	Not Funded	$530,000	Jackson	15	2
WX21125003	West 5th Street/College Street Waterline Replacement - Phase 1	0-2 Years	Not Funded	$127,658	Laurel	16	2
WX21203554	Western Rockcastle Water Line Extensions & Improvements	0-2 Years	Partially Funded	$527,176	Rockcastle	17	4
WX21121006	Barbourville - KY 1527 Waterline Replacement	0-2 Years	Not Funded	$279,250	Knox	18	1
WX21051010	New Water Meters	0-2 Years	Not Funded	$62,000	Clay	19	2
WX21051005	Water Tank Project	0-2 Years	Not Funded	$1,700,000	Clay	20	1
WX21121551	New Water Treatment Plant	3-5 Years	Not Funded	$6,000,000	Knox	21	5
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	$1,000,000	Clay	22	3
WX21125007	Bakersfield Subdivision Water Line Upgrade Project	3-5 Years	Not Funded	$179,693	Laurel	23	4
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	$3,000,000	Knox	24	2
WX21235803	Williamsburg - Phase III Water System Improvements	6-10 Years	Not Funded	$3,250,000	Whitley	25	2
WX21013001	Brownies Creek/Cubbage Waterline Rehab Phase 2	3-5 Years	Not Funded	$548,350	Bell	28	1
WX21095670	City of Cumberland 10 Inch Waterline Upgrade	0-2 Years	Not Funded	$1,210,000	Harlan	29	6
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	$1,854,948	Bell	30	3
WX21013002	Brownies Creek/Cubbage Waterline Rehab Phase 3	6-10 Years	Not Funded	$985,000	Bell	31	2
WX21095666	City of Cumberland Water Treatment Plant Upgrades (Was WX21095662)	0-2 Years	Not Funded	$1,750,000	Harlan	32	5
WX21095009	Raw Water Meters	0-2 Years	Not Funded	$7,285	Harlan	33	4
WX21051007	Raw Water Pump Replacement - Goose Creek Intake Phase II	3-5 Years	Not Funded	$50,000	Clay	34	5
			Total Cost:	**$34,737,250**			

Bell County

- 2010 census population of 28,691 (13,154 households) with 98% serviceable.
- Projected 2020 population of 27,648 (change of -1,043).
- Bell County has 407.07 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 5.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,704,350.
- Estimated funding needs for projects from 6 to 10 years: $2,839,948.

Bell County has a 2010 census population count of 28,691 (13,154 households) with a projected 2020 population count of 27,648 (11,714 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 535 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances. 5.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Appalachian Wildlife Foundation	1	$2,156,000	1	-	-	-	5.00
City of Pineville	2	$1,533,350	-	35	1.00	2.00	-
Pineville Utility Commission	1	$1,854,948	-	500	-	3.00	-
Totals:	**4**	**$5,544,298**	**1**	**535**	**1.00**	**5.00**	**5.00**

Community Drinking Water Systems in Bell County

Note: Serviceability counts are for households within Bell county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0070729	Bell County Forestry Camp	Bell	74	15
KY0073691	Pineville - Fonde Water System	Bell	75	33
KY0070353	Pineville Water System	Bell	15,341	6,939
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0610110	Knox County Utility Commission	Knox	355	158
		Totals:	27,867	12,871

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
BELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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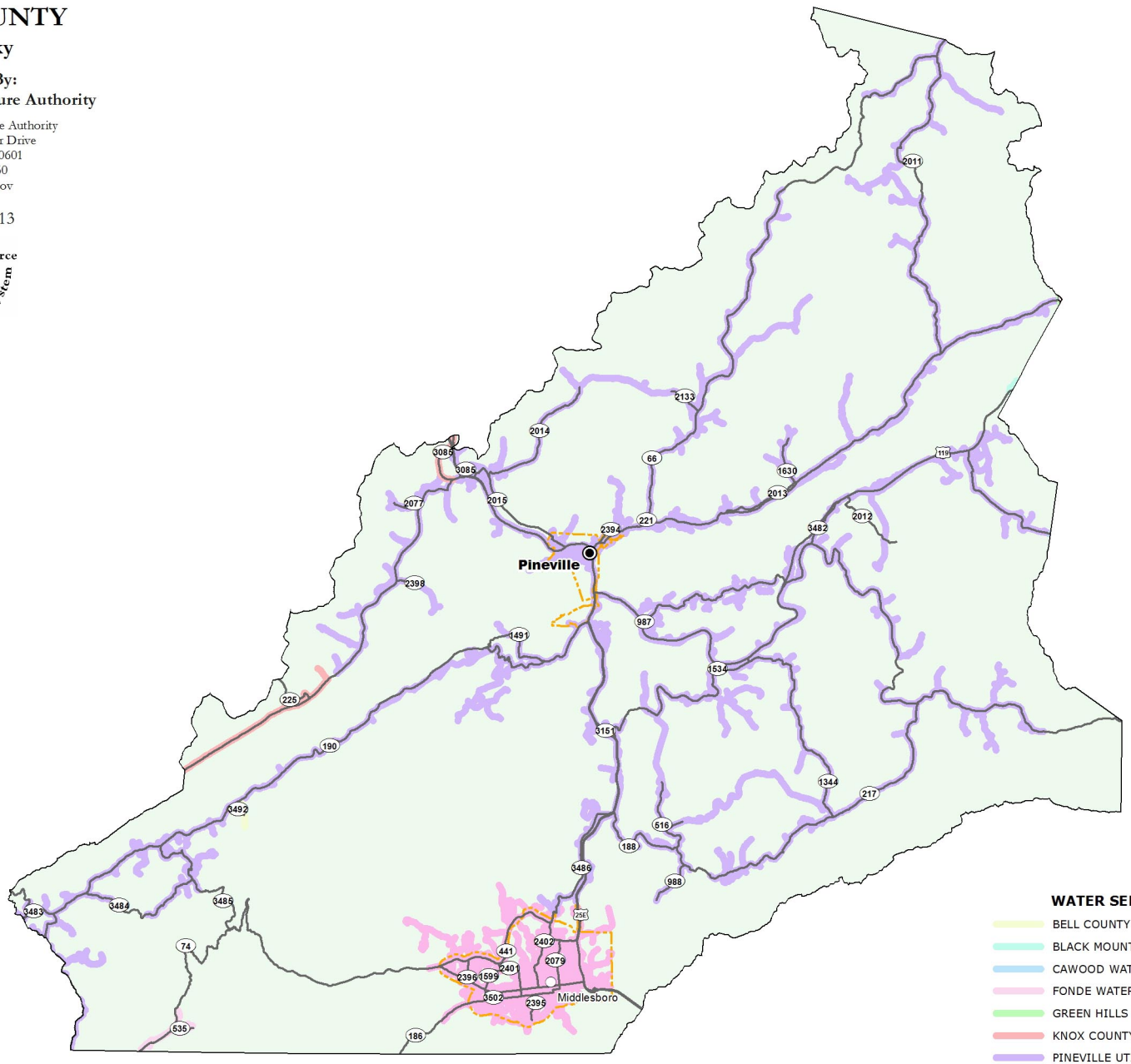
Water Resource Information System



System Summary for Bell County Forestry Camp

PWSID	KY0070729	Treats Water	Yes, 1 plant with total capacity of 0.086 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	State Agency	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	350
Residential Customers	1	Total Produced (MG)	14.740
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	14.740
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 1.58 miles (Distribution: 1.58 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Bell County Forestry Camp

System Summary for Pineville - Fonde Water System

PWSID	KY0073691	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	$47.15 per 4,000 gallons.	Total Connections	25
Residential Customers	20	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	0.106
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	

Total Distribution System Line Length = 2.66 miles (Distribution: 2.66 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Pineville - Fonde Water System

System Summary for Pineville Water System

PWSID	KY0070353	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	19	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$37.03 per 4,000 gallons.	Storage Capacity	Yes, 27 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$47.45 per 4,000 gallons.	Total Connections	5,265
Residential Customers	5,009	Total Produced (MG)	810.000
Commercial Customers	169	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	392.600
Industrial Customers	-	Total Wholesale Sold (MG)	53.754
Wholesale Customers	3	Estimated Pct. Water Loss	45%

Total Distribution System Line Length = 311.46 miles (Distribution: 311.46 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Pineville Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	$1,854,948	Bell	30	3
WX21210139	Appalachian Wildlife Center Waterline Extension	0-2 Years	Not Funded	$2,156,000	Bell		

System Summary for Water Service Corporation of Kentucky

PWSID	KY0070282	Treats Water	Yes, 1 plant with total capacity of 3.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$22.53 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$26.23 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	5,849
Residential Customers	4,921	Total Produced (MG)	442.933
Commercial Customers	683	Total Purchased (MG)	-
Institutional Customers	11	Total Inside Usage (MG)	416.478
Industrial Customers	20	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 95.37 miles (Distribution: 95.07 miles, Transmission: 0.30 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Water Service Corporation of Kentucky

Clay County

- 2010 census population of 21,730 (8,875 households) with 94% serviceable.
- Projected 2020 population of 20,289 (change of -1,441).
- Clay County has 487.86 miles of existing water lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- 21.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,198,544.
- Estimated funding needs for projects from 6 to 10 years: $3,454,500.

Clay County has a 2010 census population count of 21,730 (8,875 households) with a projected 2020 population count of 20,289 (7,421 households). Public water is currently available to approximately 94 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,347 serviceable households will be added through the construction of 9.00 miles of water line extensions and approximately 23,321 instances of improved service through the rehabilitation of 21.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Manchester	7	$6,321,544	3,282	22,298	-	19.00	-
Clay County Fiscal Court	2	$2,179,500	50	-	8.00	-	-
East Laurel Water District	1	$2,200,000	-	-	-	-	4.00
North Manchester Water Association Inc	2	$952,000	15	1,023	1.00	2.00	-
Totals:	**12**	**$11,653,044**	**3,347**	**23,321**	**9.00**	**21.00**	**4.00**

Community Drinking Water Systems in Clay County

Note: Serviceability counts are for households within Clay county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0260737	Manchester Water Works	Clay	13,224	5,714
KY0260266	North Manchester Water Association Inc	Clay	6,608	2,259
KY0550209	Jackson County Water Association Inc	Jackson	30	15
KY0630797	East Laurel Water District	Laurel	795	356
KY0660204	Hyden Leslie Co Water District	Leslie	34	20
KY0950036	Booneville Water and Sewer	Owsley	22	11
		Totals:	20,713	8,375

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
CLAY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
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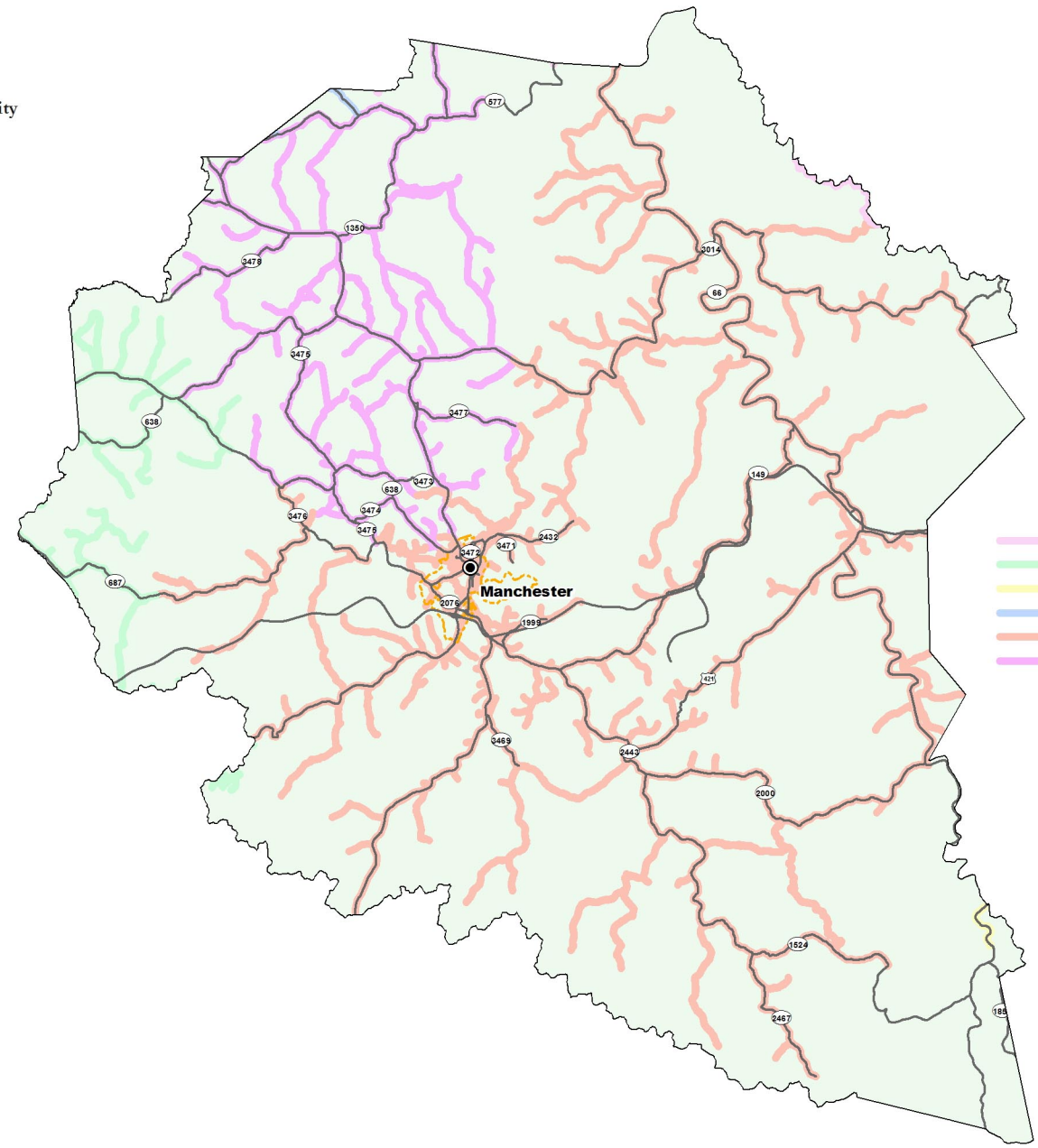
January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BOONEVILLE WATER AND SEWER
- EAST LAUREL WATER DISTRICT
- HYDEN LESLIE CO WATER DISTRICT
- JACKSON COUNTY WATER ASSOCIATION INC
- MANCHESTER WATER WORKS
- NORTH MANCHESTER WATER ASSOCIATION INC

Clay County (continued)

System Summary for Manchester Water Works

PWSID	KY0260737	Treats Water	Yes, 1 plant with total capacity of 3.200 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	Yes, 1 source.
Employees	13	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$11.40 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$21.10 per 4,000 gallons.	Total Connections	4,406
Residential Customers	4,168	Total Produced (MG)	900.000
Commercial Customers	235	Total Purchased (MG)	18.912
Institutional Customers	-	Total Inside Usage (MG)	369.052
Industrial Customers	-	Total Wholesale Sold (MG)	183.301
Wholesale Customers	1	Estimated Pct. Water Loss	40%

Total Distribution System Line Length = 327.86 miles (Distribution: 319.87 miles, Transmission: 7.98 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Manchester Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21051005	Water Tank Project	0-2 Years	Not Funded	$1,700,000	Clay	20	1
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	$1,000,000	Clay	22	3
WX21051007	Raw Water Pump Replacement - Goose Creek Intake Phase II	3-5 Years	Not Funded	$50,000	Clay	34	5
WX21051004	High Service Line Replacement	6-10 Years	Not Funded	$1,510,000	Clay		
WX21051012	Elk Mountain Regional Park Water Tank	0-2 Years	Not Funded	$1,279,500	Clay		
WX21051003	Downtown Water Line Replacement	6-10 Years	Not Funded	$1,264,500	Clay		
WX21125453	East Laurel: Hwy 229, Hwy 830 & Hwy 1189 Reinforcements	3-5 Years	Not Funded	$1,069,200	Laurel		
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	$900,000	Clay		
WX21051002	Horse Creek Asbestos Water Line Replacement	6-10 Years	Not Funded	$680,000	Clay		
WX21051011	Water and Wastewater System Improvements and Road Bore	0-2 Years	Not Funded	$117,044	Clay		

System Summary for North Manchester Water Association Inc

PWSID	KY0260266	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$34.04 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,923
Residential Customers	1,902	Total Produced (MG)	-
Commercial Customers	9	Total Purchased (MG)	183.301
Institutional Customers	-	Total Inside Usage (MG)	118.773
Industrial Customers	12	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	35%

Total Distribution System Line Length = 119.14 miles (Distribution: 119.14 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Manchester Water Association Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	0-2 Years	Not Funded	$890,000	Clay	8	4
WX21051010	New Water Meters	0-2 Years	Not Funded	$62,000	Clay	19	2
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	$900,000	Clay		

Harlan County

- 2010 census population of 29,278 (13,513 households) with 96% serviceable.
- Projected 2020 population of 26,099 (change of -3,179).
- Harlan County has 436.33 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,303,215.
- There are no projects planned from 6 to 10 years.

Harlan County has a 2010 census population count of 29,278 (13,513 households) with a projected 2020 population count of 26,099 (10,856 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 41 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 9,227 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Black Mountain Utility District	2	$250,000	35	-	2.00	-	-
Cawood Water District	1	$1,071,455	-	600	-	3.00	-
City of Cumberland	4	$5,094,330	-	7,414	-	2.00	2.00
City of Lynch	3	$1,399,935	-	1,213	-	-	-
Letcher County Water & Sewer District	1	$3,487,495	6	-	1.00	-	-
Totals:	**11**	**$11,303,215**	**41**	**9,227**	**3.00**	**5.00**	**2.00**

Community Drinking Water Systems in Harlan County

Note: Serviceability counts are for households within Harlan county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0480265	BMUD - Ages/Coxton	Harlan	1,081	476
KY0480277	BMUD - Dayhoit	Harlan	1,952	912
KY0480341	BMUD - Green Hills	Harlan	1,371	619
KY0480603	BMUD - Kenvir	Harlan	756	329
KY0480498	BMUD - Louellen	Harlan	785	380
KY0480650	BMUD - Rosspoint	Harlan	1,823	851
KY0480461	BMUD - Sukey Ridge	Harlan	787	367
KY0480572	BMUD - Wallins	Harlan	1,670	761
KY0480565	Cawood Water District	Harlan	4,516	1,974
KY0483727	Cawood Water District - Pathfork	Harlan	483	230
KY0480028	City of Benham	Harlan	730	387
KY0480262	City of Lynch	Harlan	829	492
KY0480092	Cumberland Municipal Water Works	Harlan	3,496	1,701
KY0480125	Evarts Municipal Water Plant	Harlan	3,426	1,403
KY0480178	Harlan Municipal Water Works	Harlan	4,286	2,051
		Totals:	27,991	12,933

Kentucky Infrastructure Authority
January 04, 2019

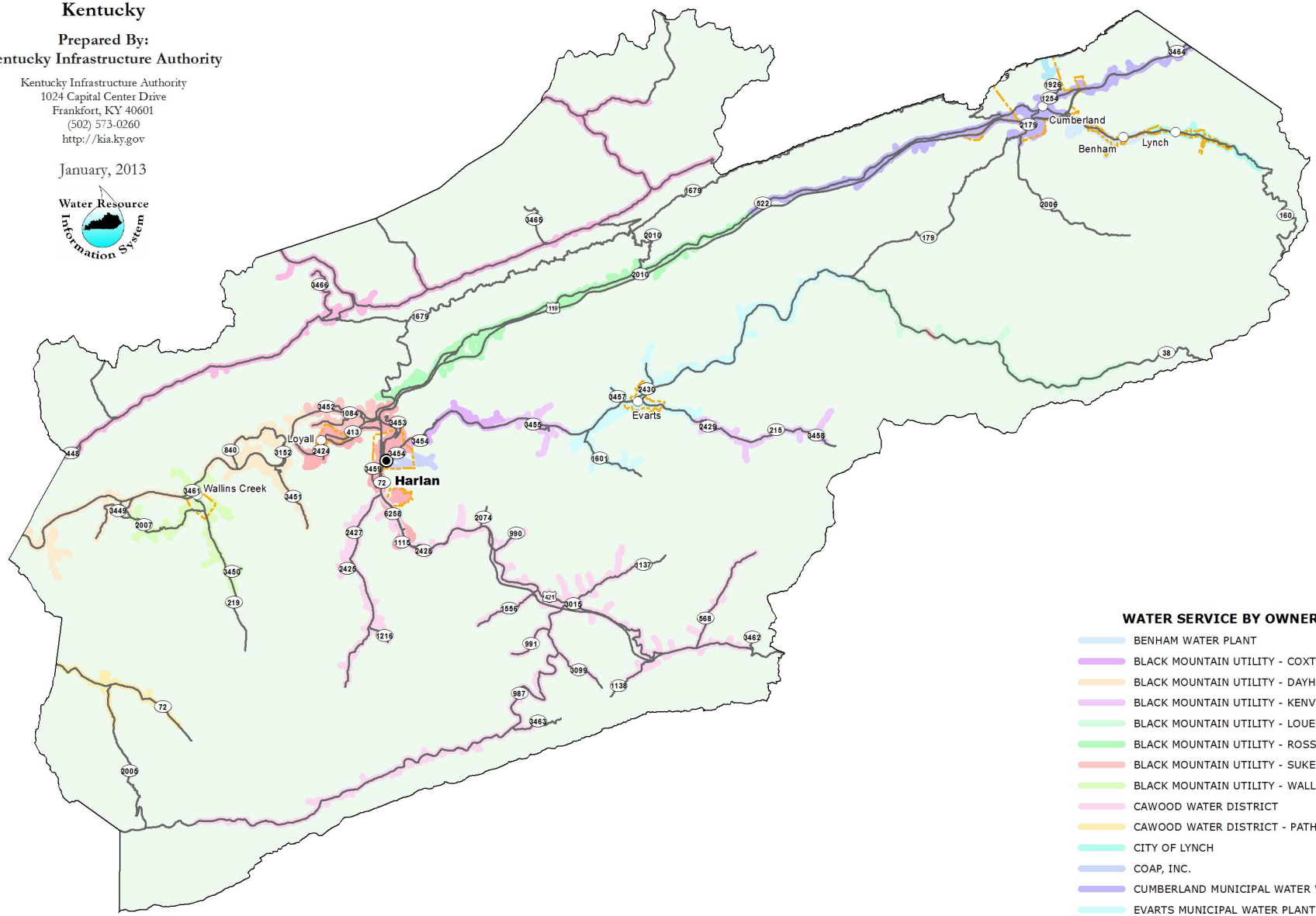
WATER SERVICE AREAS
HARLAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BENHAM WATER PLANT
- BLACK MOUNTAIN UTILITY - COXTON
- BLACK MOUNTAIN UTILITY - DAYHOIT
- BLACK MOUNTAIN UTILITY - KENVIR
- BLACK MOUNTAIN UTILITY - LOUELLEN
- BLACK MOUNTAIN UTILITY - ROSSPOINT
- BLACK MOUNTAIN UTILITY - SUKEY RIDGE
- BLACK MOUNTAIN UTILITY - WALLINS
- CAWOOD WATER DISTRICT
- CAWOOD WATER DISTRICT - PATHFORK
- CITY OF LYNCH
- COAP, INC.
- CUMBERLAND MUNICIPAL WATER WORKS
- EVARTS MUNICIPAL WATER PLANT
- GREEN HILLS WATER DISTRICT
- HARLAN MUNICIPAL WATER WORKS
- KINGDOM COME STATE PARK

System Summary for BMUD - Ages/Coxton

PWSID	KY0480265	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	110
Residential Customers	110	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	35.079
Institutional Customers	-	Total Inside Usage (MG)	33.229
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 15.34 miles (Distribution: 15.34 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Ages/Coxton

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Dayhoit

PWSID	KY0480277	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	466
Residential Customers	466	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	98.012
Institutional Customers	-	Total Inside Usage (MG)	91.332
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 36.39 miles (Distribution: 36.39 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Dayhoit

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Green Hills

PWSID	KY0480341	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	452
Residential Customers	452	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	36.045
Institutional Customers	-	Total Inside Usage (MG)	29.165
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 46.08 miles (Distribution: 45.96 miles, Transmission: 0.12 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Green Hills

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095604	Green Hills: Expansion Project	3-5 Years	Not Funded	$150,000	Harlan		
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Kenvir

PWSID	KY0480603	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	396
Residential Customers	396	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	20.287
Institutional Customers	-	Total Inside Usage (MG)	18.407
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 8.66 miles (Distribution: 8.66 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Kenvir

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Louellen

PWSID	KY0480498	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	206
Residential Customers	206	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	13.520
Institutional Customers	-	Total Inside Usage (MG)	11.840
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 12.79 miles (Distribution: 12.79 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Louellen

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Rosspoint

PWSID	KY0480650	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	659
Residential Customers	659	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	72.351
Institutional Customers	-	Total Inside Usage (MG)	64.259
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 38.95 miles (Distribution: 38.95 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Rosspoint

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Sukey Ridge

PWSID	KY0480461	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	238
Residential Customers	238	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	14.600
Institutional Customers	-	Total Inside Usage (MG)	12.980
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 12.73 miles (Distribution: 12.73 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Sukey Ridge

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for BMUD - Wallins

PWSID	KY0480572	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	No
Non-Municipal Cost	$46.27 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	649
Residential Customers	649	Total Produced (MG)	68.479
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	60.079
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 19.71 miles (Distribution: 19.42 miles, Transmission: 0.28 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for BMUD - Wallins

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095010	Black Mountain Utility District - Water Rehabilitation Projects	0-2 Years	Not Funded	$100,000	Harlan		

System Summary for Cawood Water District

PWSID	KY0480565	Treats Water	Yes, 1 plant with total capacity of 0.500 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	No
Non-Municipal Cost	$40.82 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,509
Residential Customers	1,468	Total Produced (MG)	139.184
Commercial Customers	40	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	106.432
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 85.40 miles (Distribution: 85.40 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cawood Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095004	US 421 - KY 3001 Waterline Replacement	0-2 Years	Not Funded	$1,071,455	Harlan		

System Summary for Cawood Water District - Pathfork

PWSID	KY0483727	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$49.35 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	165
Residential Customers	165	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	6.829
Institutional Customers	-	Total Inside Usage (MG)	6.277
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 7.73 miles (Distribution: 7.73 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Cawood Water District - Pathfork

System Summary for City of Benham

PWSID	KY0480028	Treats Water	Yes, 1 plant with total capacity of 0.504 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$30.81 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$30.81 per 4,000 gallons.	Total Connections	314
Residential Customers	314	Total Produced (MG)	24.000
Commercial Customers	5	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	15.929
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	34%
Total Distribution System Line Length = 9.15 miles (Distribution: 9.15 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Benham

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095006	Tri-Cities Interconnect Phase 2	0-2 Years	Not Funded	$470,330	Harlan		

System Summary for City of Lynch

PWSID	KY0480262	Treats Water	Yes, 1 plant with total capacity of 0.950 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$42.48 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	374
Residential Customers	368	Total Produced (MG)	62.051
Commercial Customers	5	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	31.485
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	49%

Total Distribution System Line Length = 11.89 miles (Distribution: 10.44 miles, Transmission: 1.45 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Lynch

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095008	Lynch - Backwash at WTP	0-2 Years	Not Funded	$392,650	Harlan	3	2
WX21095009	Raw Water Meters	0-2 Years	Not Funded	$7,285	Harlan	33	4
WX21095638	City of Lynch - Water Treatment Plant Rehabilitation	3-5 Years	Partially Funded	$1,000,000	Harlan		
WX21095006	Tri-Cities Interconnect Phase 2	0-2 Years	Not Funded	$470,330	Harlan		

System Summary for Cumberland Municipal Water Works

PWSID	KY0480092	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$33.25 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$38.05 per 4,000 gallons.	Total Connections	1,058
Residential Customers	957	Total Produced (MG)	218.540
Commercial Customers	101	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	71.696
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	67%

Total Distribution System Line Length = 47.79 miles (Distribution: 47.79 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cumberland Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095003	Cumberland Water System Improvements	3-5 Years	Not Funded	$1,664,000	Harlan	6	3
WX21095670	City of Cumberland 10 Inch Waterline Upgrade	0-2 Years	Not Funded	$1,210,000	Harlan	29	6
WX21095666	City of Cumberland Water Treatment Plant Upgrades (Was WX21095662)	0-2 Years	Not Funded	$1,750,000	Harlan	32	5
WX21133054	Regional Interconnect & Distribution Lines Cumberland River Ph4	3-5 Years	Partially Funded	$3,487,495	Letcher		
WX21095006	Tri-Cities Interconnect Phase 2	0-2 Years	Not Funded	$470,330	Harlan		

System Summary for Evarts Municipal Water Plant

PWSID	KY0480125	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$26.52 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$31.98 per 4,000 gallons.	Total Connections	1,048
Residential Customers	998	Total Produced (MG)	204.773
Commercial Customers	50	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	154.650
Industrial Customers	-	Total Wholesale Sold (MG)	33.807
Wholesale Customers	3	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 37.72 miles (Distribution: 37.72 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Evarts Municipal Water Plant

System Summary for Harlan Municipal Water Works

PWSID	KY0480178	Treats Water	Yes, 1 plant with total capacity of 2.900 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	13	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$23.65 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$23.65 per 4,000 gallons.	Total Connections	2,010
Residential Customers	1,738	Total Produced (MG)	438.197
Commercial Customers	268	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	179.060
Industrial Customers	-	Total Wholesale Sold (MG)	220.042
Wholesale Customers	4	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 45.78 miles (Distribution: 45.48 miles, Transmission: 0.30 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Harlan Municipal Water Works

Jackson County

- 2010 census population of 13,494 (6,523 households) with 94% serviceable.
- Projected 2020 population of 13,771 (change of 277).
- Jackson County has 446.29 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,364,400.
- There are no projects planned from 6 to 10 years.

Jackson County has a 2010 census population count of 13,494 (6,523 households) with a projected 2020 population count of 13,771 (5,961 households). Public water is currently available to approximately 94 percent of the county's households based on 2010 census counts. Over the next ten years approximately 591 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of McKee	2	$2,355,000	-	591	1.00	-	-
Jackson County Water Association Inc	1	$9,400	-	-	-	-	-
Totals:	**3**	**$2,364,400**	**-**	**591**	**1.00**	**-**	**-**

Community Drinking Water Systems in Jackson County

Note: Serviceability counts are for households within Jackson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0550784	City of McKee	Jackson	898	478
KY0550209	Jackson County Water Association Inc	Jackson	11,468	5,442
KY0260266	North Manchester Water Association Inc	Clay	28	15
KY0630477	Wood Creek Water District	Laurel	136	64
KY0950036	Booneville Water and Sewer	Owsley	67	35
KY1020288	Kentucky American Water	Rockcastle	184	96
		Totals:	12,781	6,130

Kentucky Infrastructure Authority
January 04, 2019

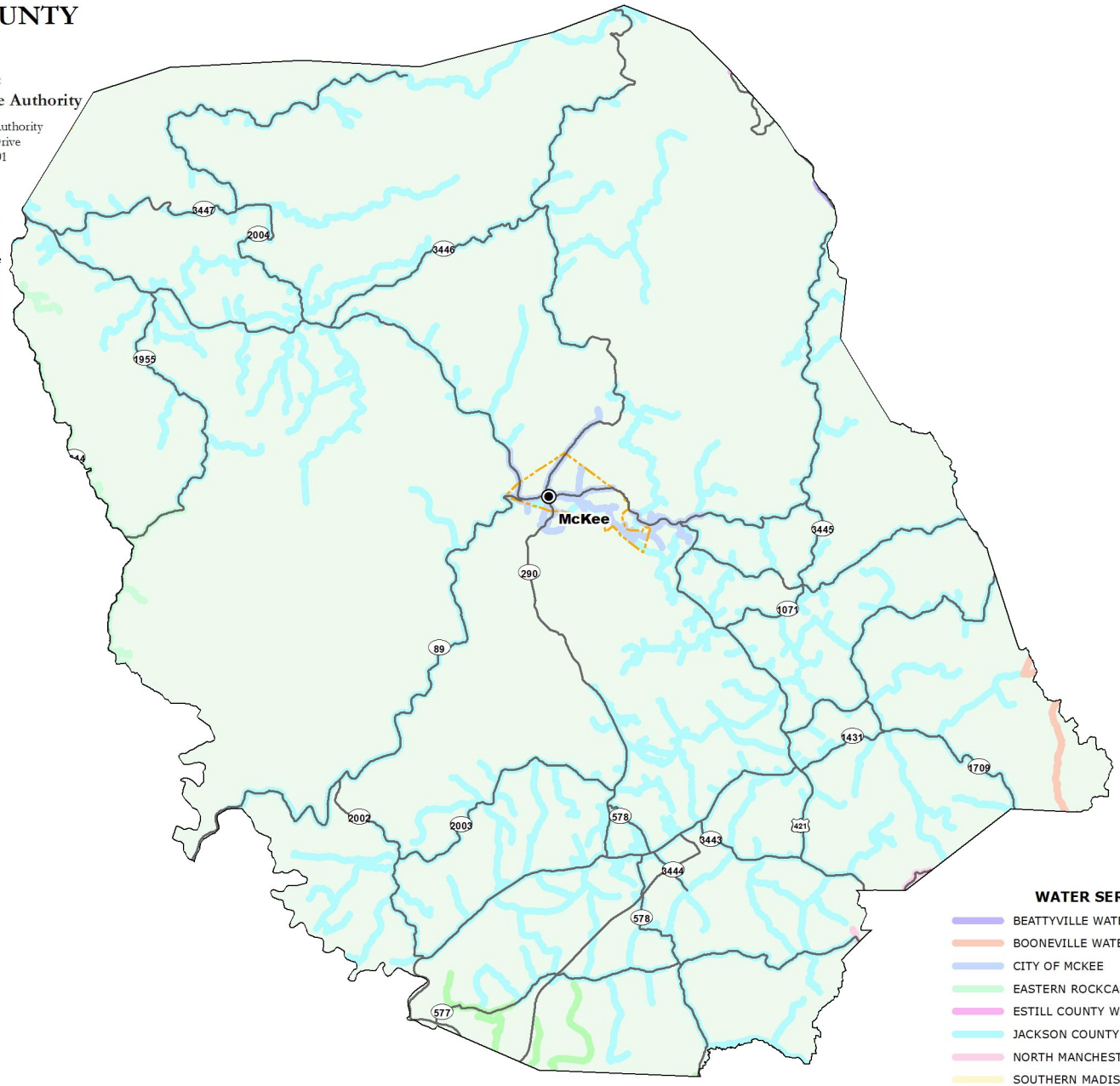
WATER SERVICE AREAS
JACKSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- BOONEVILLE WATER AND SEWER
- CITY OF MCKEE
- EASTERN ROCKCASTLE COUNTY WATER ASSOCIATION
- ESTILL COUNTY WATER DISTRICT #1
- JACKSON COUNTY WATER ASSOCIATION INC
- NORTH MANCHESTER WATER ASSOCIATION INC
- SOUTHERN MADISON WATER DISTRICT
- WOOD CREEK WATER DISTRICT

System Summary for City of McKee

PWSID	KY0550784	Treats Water	Yes, 1 plant with total capacity of 0.302 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$30.00 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$36.00 per 4,000 gallons.	Total Connections	390
Residential Customers	280	Total Produced (MG)	66.766
Commercial Customers	75	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	25.982
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	61%

Total Distribution System Line Length = 18.88 miles (Distribution: 18.59 miles, Transmission: 0.29 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of McKee

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21109002	Downtown Water Storage Tank Replacement	3-5 Years	Not Funded	$1,825,000	Jackson	14	1
WX21109005	Water Treatment Plant Improvements	0-2 Years	Not Funded	$530,000	Jackson	15	2

System Summary for Jackson County Water Association Inc

PWSID	KY0550209	Treats Water	Yes, 1 plant with total capacity of 2.268 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water Association	Groundwater Source	No
Employees	14	Wholesale Purchaser	No
Non-Municipal Cost	$45.15 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 10 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,587
Residential Customers	4,353	Total Produced (MG)	338.667
Commercial Customers	219	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	223.651
Industrial Customers	11	Total Wholesale Sold (MG)	20.899
Wholesale Customers	4	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 413.51 miles (Distribution: 398.38 miles, Transmission: 15.14 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jackson County Water Association Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21109004	JCWA - Water Treatment Plant and System Improvements	0-2 Years	Partially Funded	$9,400	Jackson		

Knox County

- 2010 census population of 31,883 (14,485 households) with 98% serviceable.
- Projected 2020 population of 32,132 (change of 249).
- Knox County has 585.11 miles of existing water lines.
- 42.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $15,510,783.
- Estimated funding needs for projects from 6 to 10 years: $1,230,000.

Knox County has a 2010 census population count of 31,883 (14,485 households) with a projected 2020 population count of 32,132 (13,362 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 42 serviceable households will be added through the construction of 42.00 miles of water line extensions and approximately 9,832 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Barbourville Utility Commission	3	$4,179,250	-	6,611	-	3.00	-
City of Barbourville	1	$130,000	-	3,200	-	-	-
City of Corbin	4	$1,454,033	-	-	2.00	-	1.00
Knox County Fiscal Court	1	$2,777,500	40	-	40.00	-	-
Knox County Utility Commission	2	$6,250,000	2	-	-	-	-
Laurel County Water District #2	1	$1,950,000	-	21	-	-	-
Totals:	**12**	**$16,740,783**	**42**	**9,832**	**42.00**	**3.00**	**1.00**

Community Drinking Water Systems in Knox County

Note: Serviceability counts are for households within Knox county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0610016	Barbourville Utility Commission	Knox	15,836	7,071
KY0610110	Knox County Utility Commission	Knox	6,887	3,296
KY0630238	Laurel Water District #2	Laurel	2,401	959
KY1180085	Corbin Utilities Commission	Whitley	5,926	2,778
KY1180468	Whitley County Water District	Whitley	68	30
		Totals:	31,118	14,134

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
KNOX COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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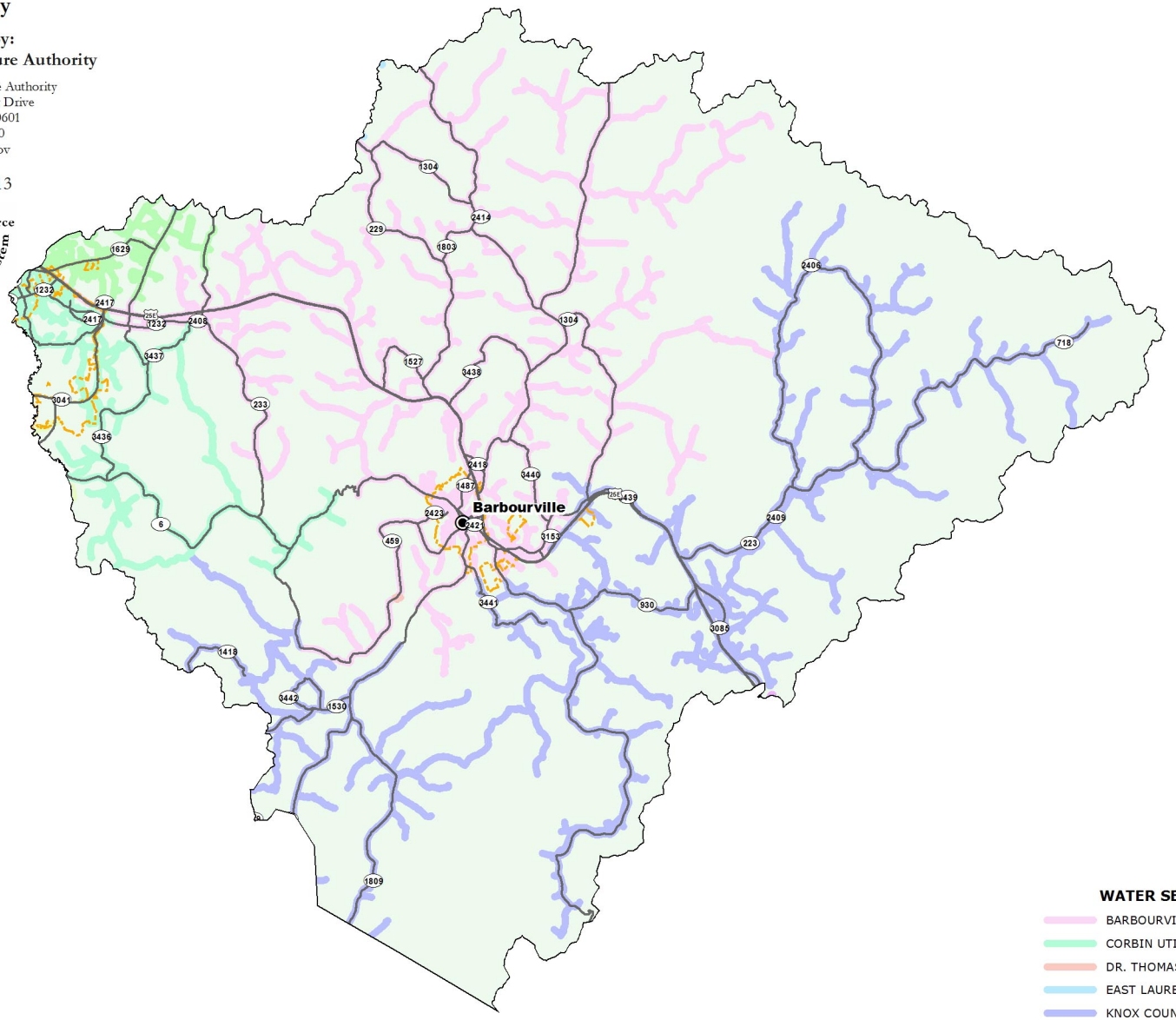
Water Resource Information System



WATER SERVICE BY OWNER

- BARBOURVILLE UTILITY COMMISSION
- CORBIN UTILITIES COMMISSION
- DR. THOMAS WALKER STATE HISTORIC SITE
- EAST LAUREL WATER DISTRICT
- KNOX COUNTY UTILITY COMMISSION
- LAUREL WATER DISTRICT #2
- PINEVILLE UTILITY COMMISSION
- WHITLEY COUNTY WATER DISTRICT #1

System Summary for Barbourville Utility Commission

PWSID	KY0610016	Treats Water	Yes, 1 plant with total capacity of 4.032 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	14	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$21.74 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$30.18 per 4,000 gallons.	Total Connections	6,362
Residential Customers	5,791	Total Produced (MG)	563.836
Commercial Customers	569	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	391.625
Industrial Customers	-	Total Wholesale Sold (MG)	2.538
Wholesale Customers	1	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 270.97 miles (Distribution: 251.96 miles, Transmission: 19.01 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Barbourville Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21121006	Barbourville - KY 1527 Waterline Replacement	0-2 Years	Not Funded	$279,250	Knox	18	1
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	$3,000,000	Knox	24	2
WX21121004	Boone Heights Water Storage Tank Replacement	0-2 Years	Not Funded	$900,000	Knox		
WX21121007	City of Barbourville - Levee System Inspection	0-2 Years	Not Funded	$130,000	Knox		

System Summary for Knox County Utility Commission

PWSID	KY0610110	Treats Water	Yes, 1 plant with total capacity of 0.368 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	10	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$40.82 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,837
Residential Customers	2,727	Total Produced (MG)	112.345
Commercial Customers	54	Total Purchased (MG)	78.528
Institutional Customers	-	Total Inside Usage (MG)	165.020
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 230.91 miles (Distribution: 230.91 miles, Transmission: 0.00 miles).

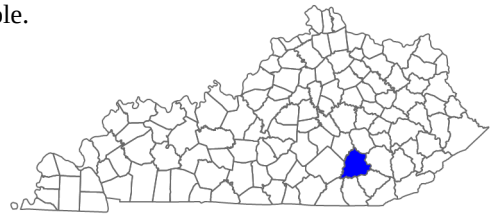
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Knox County Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21121537	Knox: Water Line Extension In Whitley County	0-2 Years	Partially Funded	$709,260	Whitley	5	3
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	$2,777,500	Knox	11	3
WX21121551	New Water Treatment Plant	3-5 Years	Not Funded	$6,000,000	Knox	21	5
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	$3,000,000	Knox	24	2
WX21121550	Rehab of The Water Treatment Plant	6-10 Years	Not Funded	$250,000	Knox		
WX21235004	Knox County Utility Commission - Whitley County Line Extension	0-2 Years	Partially Funded	$160,000	Whitley		

Laurel County

- 2010 census population of 58,849 (25,446 households) with 99% serviceable.
- Projected 2020 population of 64,713 (change of 5,864).
- Laurel County has 1,064.91 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 22.00 miles of line rehabilitation proposed in the next 10 years.
- 42.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $31,594,165.
- Estimated funding needs for projects from 6 to 10 years: $71,000.



Laurel County has a 2010 census population count of 58,849 (25,446 households) with a projected 2020 population count of 64,713 (26,415 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 5,902 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 147,865 instances of improved service through the rehabilitation of 22.00 miles of existing water lines and other appurtenances. 42.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Livingston	1	$1,096,000	-	300	-	-	3.00
East Laurel Water District	6	$7,015,200	10	51,500	2.00	7.00	13.00
Laurel County Water District #2	8	$5,630,036	5,872	16,405	7.00	8.00	-
London - Laurel County Industrial Development Authority	1	$82,663	5	-	-	-	-
London Utility Commission	1	$127,658	-	40	-	1.00	-
West Laurel Water Association Inc	8	$6,515,608	10	32,080	6.00	2.00	3.00
Wood Creek Water District	7	$11,198,000	5	47,540	1.00	4.00	23.00
Totals:	**32**	**$31,665,165**	**5,902**	**147,865**	**16.00**	**22.00**	**42.00**

Community Drinking Water Systems in Laurel County

Note: Serviceability counts are for households within Laurel county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0630797	East Laurel Water District	Laurel	12,155	5,120
KY0630238	Laurel Water District #2	Laurel	12,248	5,180
KY0630255	London Utility Commission	Laurel	9,221	4,186
KY0630451	West Laurel Water Association	Laurel	12,262	5,272
KY0630477	Wood Creek Water District	Laurel	11,608	5,064
KY1180085	Corbin Utilities Commission	Whitley	869	400
		Totals:	58,363	25,222

Kentucky Infrastructure Authority
January 04, 2019

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Prepared By:
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Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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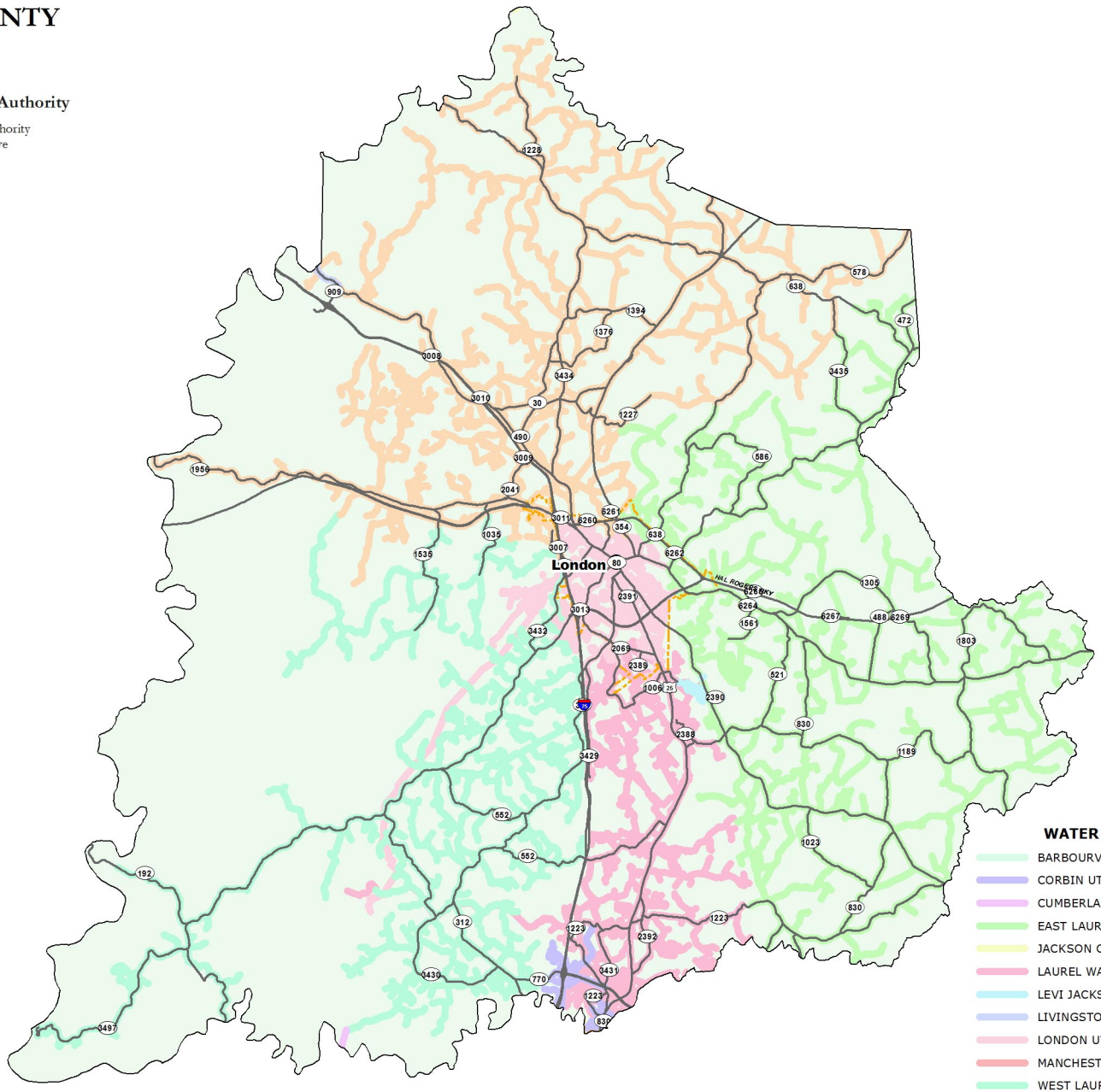


System Summary for East Laurel Water District

PWSID	KY0630797	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$37.95 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,549
Residential Customers	5,294	Total Produced (MG)	-
Commercial Customers	252	Total Purchased (MG)	448.456
Institutional Customers	-	Total Inside Usage (MG)	362.967
Industrial Customers	-	Total Wholesale Sold (MG)	18.912
Wholesale Customers	1	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 294.43 miles (Distribution: 294.43 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for East Laurel Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21125010	East Laurel Water District - KY 80 / Apple Orchard Rd Transmission Main and Pump	3-5 Years	Not Funded	$3,475,000	Laurel		
WX21125452	East Laurel System Improvement to Clay County	3-5 Years	Not Funded	$2,200,000	Laurel		
WX21125453	East Laurel: Hwy 229, Hwy 830 & Hwy 1189 Reinforcements	3-5 Years	Not Funded	$1,069,200	Laurel		
WX21125564	East Laurel Water District - Generators	3-5 Years	Not Funded	$125,000	Laurel		
WX21125562	East Laurel - Roads Without Water Lines	3-5 Years	Not Funded	$75,000	Laurel		
WX21125460	East Laurel Water District - 1,000,000 Gallon Storage Tank #3	6-10 Years	Not Funded	$71,000	Laurel		

System Summary for Laurel Water District #2

PWSID	KY0630238	Treats Water	Yes, 1 plant with total capacity of 2.880 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	19	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$25.08 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	6,017
Residential Customers	5,642	Total Produced (MG)	488.000
Commercial Customers	366	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	426.235
Industrial Customers	9	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 195.52 miles (Distribution: 188.21 miles, Transmission: 7.31 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Laurel Water District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21125017	Fariston Road Drinking Water Line Extension	0-2 Years	Partially Funded	$82,663	Laurel	4	1
WX21125014	HWY 552 and Robinson Creek Road Loop Lines Project	3-5 Years	Not Funded	$221,517	Laurel	13	3
WX21125007	Bakersfield Subdivision Water Line Upgrade Project	3-5 Years	Not Funded	$179,693	Laurel	23	4
WX21125018	South Laurel Water System Improvements	0-2 Years	Not Funded	$2,350,000	Laurel		
WX21125011	2017 - Water System Improvements	0-2 Years	Not Funded	$1,950,000	Laurel		
WX21125553	Water System Extension Project	3-5 Years	Not Funded	$310,000	Laurel		
WX21125578	LCWD #2 WTP & Raw Water Pump Emergency Generators Project	3-5 Years	Not Funded	$225,000	Laurel		
WX21125009	Meadowlane Subdivision Water Line Extension Project	3-5 Years	Not Funded	$198,662	Laurel		
WX21125013	Hammock-Foly-SR1223 Loop Lines Project	3-5 Years	Not Funded	$195,164	Laurel		

System Summary for London Utility Commission

PWSID	KY0630255	Treats Water	Yes, 1 plant with total capacity of 4.550 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	27	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$17.83 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$26.75 per 4,000 gallons.	Total Connections	4,108
Residential Customers	3,061	Total Produced (MG)	558.000
Commercial Customers	1,039	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	412.600
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 113.46 miles (Distribution: 103.30 miles, Transmission: 10.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for London Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21125003	West 5th Street/College Street Waterline Replacement - Phase 1	0-2 Years	Not Funded	$127,658	Laurel	16	2

Laurel County (continued)

System Summary for West Laurel Water Association

PWSID	KY0630451	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$41.36 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,155
Residential Customers	5,036	Total Produced (MG)	-
Commercial Customers	118	Total Purchased (MG)	335.479
Institutional Customers	-	Total Inside Usage (MG)	271.363
Industrial Customers	-	Total Wholesale Sold (MG)	1.863
Wholesale Customers	1	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 219.80 miles (Distribution: 219.17 miles, Transmission: 0.64 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Laurel Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21125550	West Laurel Cold Hill Area Storage Tank.	3-5 Years	Not Funded	$2,100,000	Laurel		
WX21125561	West Laurel - Parker Road & Hwy 192 Transmission Main	3-5 Years	Not Funded	$2,000,000	Laurel		
WX21125001	County Farm Pump Station Replacement & City Dam Road Loop	0-2 Years	Not Funded	$1,800,000	Laurel		
WX21125547	West Laurel Water Association - Hyw 552 Project	3-5 Years	Not Funded	$200,000	Laurel		
WX21125549	West Laurel Water Association - Hwy 552 Project	3-5 Years	Not Funded	$175,000	Laurel		
WX21125563	West Laurel Water Association - Generators	3-5 Years	Not Funded	$125,000	Laurel		
WX21125514	West Laurel Road Without Waterlines (Previosly WX21125513)	3-5 Years	Not Funded	$70,608	Laurel		
WX21125556	West Laurel Water Association - Improvements #5	3-5 Years	Not Funded	$45,000	Laurel		

System Summary for Wood Creek Water District

PWSID	KY0630477	Treats Water	Yes, 1 plant with total capacity of 8.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	39	Wholesale Purchaser	No
Non-Municipal Cost	$36.77 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	5,310
Residential Customers	4,923	Total Produced (MG)	1,398.634
Commercial Customers	384	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	401.981
Industrial Customers	-	Total Wholesale Sold (MG)	803.436
Wholesale Customers	3	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 300.79 miles (Distribution: 293.97 miles, Transmission: 6.81 miles).			

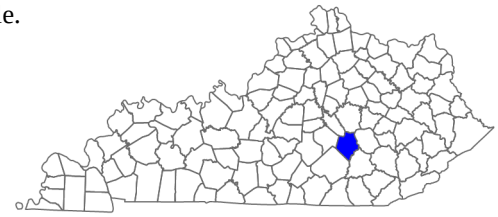
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wood Creek Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21125019	KY 490/US 25 Waterline Replacements	0-2 Years	Not Funded	$3,678,000	Laurel		
WX21125523	Wood Creek Water District Sys Improvements #3	3-5 Years	Not Funded	$1,900,000	Laurel		
WX21125533	WCWD System Improvement #7	3-5 Years	Not Funded	$1,800,000	Laurel		
WX21125542	Wood Creek Water District - Watershed Protection Project	0-2 Years	Partially Funded	$1,800,000	Laurel		
WX21125565	Wood Creek Water District - Generators	3-5 Years	Not Funded	$1,400,000	Laurel		
WX21125525	Wood Creek Water District Sys Improvements #5	3-5 Years	Not Funded	$570,000	Laurel		
WX21125560	Wood Creek System Improvement #II	3-5 Years	Not Funded	$50,000	Laurel		

Rockcastle County

- 2010 census population of 17,056 (7,703 households) with 97% serviceable.
- Projected 2020 population of 17,593 (change of 537).
- Rockcastle County has 475.31 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,939,976.
- There are no projects planned from 6 to 10 years.



Rockcastle County has a 2010 census population count of 17,056 (7,703 households) with a projected 2020 population count of 17,593 (7,308 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 35 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 3,738 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Brodhead	1	$1,136,000	-	351	-	1.00	-
City of Livingston	1	$52,500	-	167	-	-	-
City of Mount Vernon	2	$1,488,300	-	2,485	-	1.00	-
Eastern Rockcastle Water Association Inc	1	$905,000	12	210	5.00	-	-
Western Rockcastle Water Association Inc	2	$1,358,176	23	525	13.00	1.00	-
Totals:	**7**	**$4,939,976**	**35**	**3,738**	**18.00**	**3.00**	**-**

Community Drinking Water Systems in Rockcastle County

Note: Serviceability counts are for households within Rockcastle county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1020889	City of Brodhead	Rockcastle	1,503	674
KY1020299	City of Mount Vernon	Rockcastle	4,404	2,025
KY1020288	Kentucky American Water	Rockcastle	1,406	686
KY1020253	Livingston Municpal Water Works	Rockcastle	383	196
KY1020891	Western Rockcastle Water Association	Rockcastle	8,681	3,814
KY0550209	Jackson County Water Association Inc	Jackson	69	36
		Totals:	16,446	7,431

Kentucky Infrastructure Authority
January 04, 2019

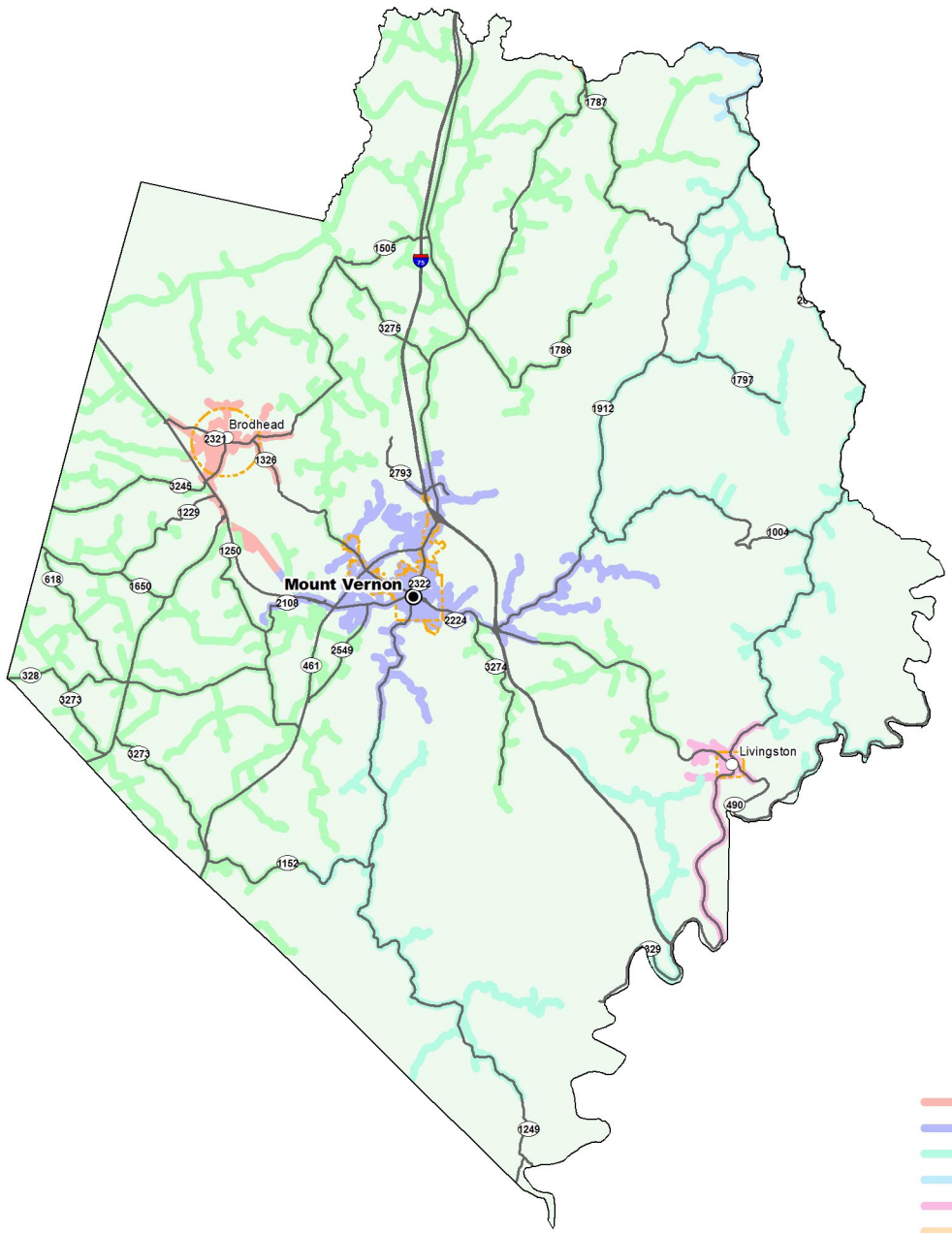
WATER SERVICE AREAS
ROCKCASTLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CITY OF BRODHEAD
- CITY OF MOUNT VERNON
- EASTERN ROCKCASTLE COUNTY WATER ASSOCIATION
- JACKSON COUNTY WATER ASSOCIATION INC
- LIVINGSTON MUNICPAL WATER WORKS
- SOUTHERN MADISON WATER DISTRICT
- WESTERN ROCKCASTLE WATER ASSOCIATION

System Summary for City of Brodhead

PWSID	KY1020889	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$35.30 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$47.55 per 4,000 gallons.	Total Connections	513
Residential Customers	488	Total Produced (MG)	-
Commercial Customers	23	Total Purchased (MG)	48.203
Institutional Customers	-	Total Inside Usage (MG)	37.182
Industrial Customers	1	Total Wholesale Sold (MG)	6.022
Wholesale Customers	1	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 19.47 miles (Distribution: 19.47 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Brodhead

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203006	Brodhead: Waterline Replacement and Upgrade	3-5 Years	Not Funded	$1,136,000	Rockcastle	7	2

System Summary for City of Mount Vernon

PWSID	KY1020299	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$24.65 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$34.71 per 4,000 gallons.	Total Connections	1,981
Residential Customers	1,673	Total Produced (MG)	509.729
Commercial Customers	265	Total Purchased (MG)	-
Institutional Customers	21	Total Inside Usage (MG)	85.483
Industrial Customers	12	Total Wholesale Sold (MG)	306.599
Wholesale Customers	3	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 80.76 miles (Distribution: 80.50 miles, Transmission: 0.26 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Mount Vernon

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203008	Tower Tank Transmission Main	0-2 Years	Not Funded	$323,300	Rockcastle	2	1
WX21203005	Mount Vernon - Phase #3 - Water Treatment Plant Improvements	0-2 Years	Partially Funded	$1,165,000	Rockcastle		

System Summary for Kentucky American Water

PWSID	KY1020288	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$52.19 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	610
Residential Customers	610	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	35.778
Institutional Customers	-	Total Inside Usage (MG)	18.845
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	47%

Total Distribution System Line Length = 100.50 miles (Distribution: 100.43 miles, Transmission: 0.08 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Kentucky American Water

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	25	8
WX21203007	ERWA 2017 Water System Extensions & Improvements	0-2 Years	Not Funded	$905,000	Rockcastle		

System Summary for Livingston Municpal Water Works

PWSID	KY1020253	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$48.91 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$50.68 per 4,000 gallons.	Total Connections	160
Residential Customers	159	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	19.501
Institutional Customers	-	Total Inside Usage (MG)	9.581
Industrial Customers	-	Total Wholesale Sold (MG)	1.725
Wholesale Customers	1	Estimated Pct. Water Loss	42%

Total Distribution System Line Length = 14.23 miles (Distribution: 14.23 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Livingston Municpal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203538	City of Livingston - Wood Creek Water Connection	3-5 Years	Not Funded	$1,096,000	Laurel		
WX21203534	Livingston Ky - Water System Debt Reduction	3-5 Years	Not Funded	$52,500	Rockcastle		

System Summary for Western Rockcastle Water Association

PWSID	KY1020891	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$44.18 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 8 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	4,236
Residential Customers	4,214	Total Produced (MG)	-
Commercial Customers	22	Total Purchased (MG)	251.993
Institutional Customers	-	Total Inside Usage (MG)	232.050
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 342.91 miles (Distribution: 342.91 miles, Transmission: 0.00 miles).

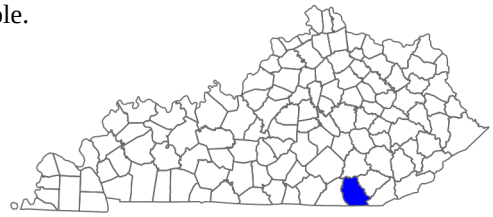
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Western Rockcastle Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203004	Contract 12 - Water Extensions & Improvements	0-2 Years	Not Funded	$831,000	Rockcastle	1	3
WX21203554	Western Rockcastle Water Line Extensions & Improvements	0-2 Years	Partially Funded	$527,176	Rockcastle	17	4

Whitley County

- 2010 census population of 35,637 (15,166 households) with 97% serviceable.
- Projected 2020 population of 35,256 (change of -381).
- Whitley County has 717.10 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,419,260.
- Estimated funding needs for projects from 6 to 10 years: $4,230,000.



Whitley County has a 2010 census population count of 35,637 (15,166 households) with a projected 2020 population count of 35,256 (14,048 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 125 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 3,274 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Corbin	1	$980,000	1	10	2.00	-	-
City of Williamsburg	2	$3,350,000	-	3,264	-	-	-
Knox County Utility Commission	2	$869,260	100	-	7.00	-	-
Whitley County Water District	1	$450,000	24	-	4.00	-	-
Totals:	**6**	**$5,649,260**	**125**	**3,274**	**13.00**	**-**	**-**

Community Drinking Water Systems in Whitley County

Note: Serviceability counts are for households within Whitley county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1180085	Corbin Utilities Commission	Whitley	8,077	3,654
KY1180093	Cumberland Falls Highway Water District	Whitley	8,842	3,672
KY1180468	Whitley County Water District	Whitley	11,241	4,839
KY1183728	Whitley County Water District - 92 West	Whitley	446	192
KY1180471	Williamsburg Municipal WTP	Whitley	5,240	1,965
KY0070353	Pineville Water System	Bell	227	101
KY0610110	Knox County Utility Commission	Knox	603	312
		Totals:	34,676	14,735

Kentucky Infrastructure Authority
January 04, 2019

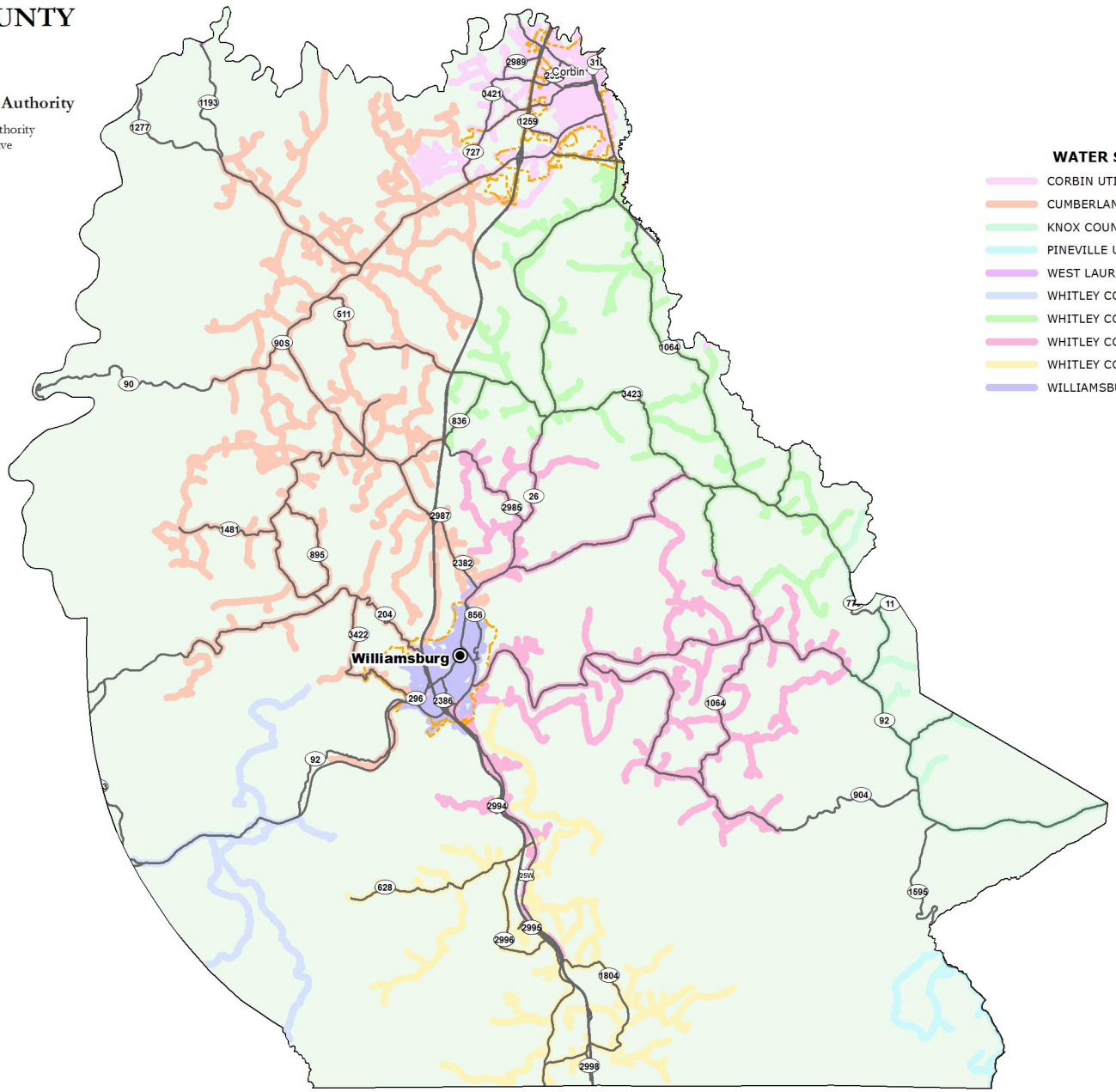
WATER SERVICE AREAS
WHITLEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CORBIN UTILITIES COMMISSION
- CUMBERLAND FALLS HIGHWAY WATER DISTRICT
- KNOX COUNTY UTILITY COMMISSION
- PINEVILLE UTILITY COMMISSION
- WEST LAUREL WATER ASSOCIATION
- WHITLEY COUNTY WATER DISTRICT
- WHITLEY COUNTY WATER DISTRICT #1
- WHITLEY COUNTY WATER DISTRICT #2
- WHITLEY COUNTY WATER DISTRICT #3
- WILLIAMSBURG MUNICIPAL WTP

N

System Summary for Corbin Utilities Commission

PWSID	KY1180085	Treats Water	Yes, 1 plant with total capacity of 10.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	13	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$12.10 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$19.12 per 4,000 gallons.	Total Connections	6,495
Residential Customers	5,491	Total Produced (MG)	1,193.775
Commercial Customers	992	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	531.568
Industrial Customers	12	Total Wholesale Sold (MG)	308.089
Wholesale Customers	3	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 183.71 miles (Distribution: 182.24 miles, Transmission: 1.46 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Corbin Utilities Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21121003	Southeast KY Industrial Development Authority (SKIDA)	0-2 Years	Not Funded	$273,000	Knox	12	4
WX21121724	Corbin By-Pass (KY 3041) Water Line Extension	6-10 Years	Not Funded	$980,000	Whitley		
WX21121002	Water Extension to Southeast Spec Building #3 - Project Boone	0-2 Years	Not Funded	$115,283	Knox		
WX21121009	Water Extension to Grace Community Health Facility	0-2 Years	Not Funded	$85,750	Knox		

System Summary for Cumberland Falls Highway Water District

PWSID	KY1180093	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$47.40 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,258
Residential Customers	3,195	Total Produced (MG)	-
Commercial Customers	59	Total Purchased (MG)	213.889
Institutional Customers	31	Total Inside Usage (MG)	211.481
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	1%

Total Distribution System Line Length = 190.84 miles (Distribution: 189.70 miles, Transmission: 1.14 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cumberland Falls Highway Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	$100,000	Whitley	9	1

System Summary for Whitley County Water District

PWSID	KY1180468	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$39.78 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	3,500
Residential Customers	3,364	Total Produced (MG)	-
Commercial Customers	129	Total Purchased (MG)	235.555
Institutional Customers	-	Total Inside Usage (MG)	170.644
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 304.96 miles (Distribution: 304.67 miles, Transmission: 0.29 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Whitley County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	$100,000	Whitley	9	1
WX21235005	Upper Lot Mud Creek Road Water Line Extension	0-2 Years	Not Funded	$450,000	Whitley	10	4

System Summary for Whitley County Water District - 92 West

PWSID	KY1183728	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$39.78 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	136
Residential Customers	135	Total Produced (MG)	-
Commercial Customers	1	Total Purchased (MG)	7.608
Institutional Customers	-	Total Inside Usage (MG)	5.754
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 30.38 miles (Distribution: 30.38 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Whitley County Water District - 92 West

System Summary for Williamsburg Municipal WTP

PWSID	KY1180471	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$22.76 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$36.20 per 4,000 gallons.	Total Connections	1,614
Residential Customers	1,404	Total Produced (MG)	532.053
Commercial Customers	173	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	328.021
Industrial Customers	1	Total Wholesale Sold (MG)	155.772
Wholesale Customers	2	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 70.50 miles (Distribution: 70.08 miles, Transmission: 0.42 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Williamsburg Municipal WTP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	$100,000	Whitley	9	1
WX21235803	Williamsburg - Phase III Water System Improvements	6-10 Years	Not Funded	$3,250,000	Whitley	25	2

Five County Area Development District (FIVCO)

- 2010 census population of 137,884 (61,101 households) with 95% serviceable.
- Projected 2020 population of 139,098 (change of 1,214).
- 2,419.60 miles of existing water lines.
- 52.00 miles of line extensions proposed in the next 10 years.
- 99.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $87,219,830.
- Estimated funding needs for projects from 6 to 10 years: $6,077,160.
- Average age of structures: water treatment plants is 37 years; water tanks is 31 years.
- Total number of interconnected systems is 18.
- 47 miles of asbestos concrete pipe currently in use.
- 290 miles of water lines less than 15 years old.
- 909 miles of water lines between 15 and 30 years old.
- 1,003 miles of water lines between 31 and 50 years old.
- 18 miles of water lines between 51 and 70 years old.
- 123 miles of water lines greater than 70 years old.

Five County Area Development District has a 2010 census population count of 137,884 (61,101 households) with a projected 2020 population count of 139,098 (56,252 households). Public water is currently available to approximately 95 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,737 serviceable households will be added through the construction of 52.00 miles of water line extensions and approximately 59,141 instances of improved service through the rehabilitation of 99.00 miles of existing water lines and other appurtenances. 16.00 miles of transmission lines are also proposed within this district.

County Summary for Five County Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boyd	49,542	21,803	49,446	20,040	21,740	100%	$ 14,558,740
Carter	27,720	12,311	28,459	11,508	11,631	95%	$ 14,165,743
Elliott	7,852	3,371	8,078	3,011	3,108	92%	$ 4,477,003
Greenup	36,910	16,330	36,923	15,046	15,110	93%	$ 53,811,501
Lawrence	15,860	7,286	16,192	6,647	6,605	91%	$ 6,284,003
Totals	**137,884**	**61,101**	**139,098**	**56,252**	**58,194**	**95%**	**$ 93,296,990**

Kentucky Infrastructure Authority
January 04, 2019

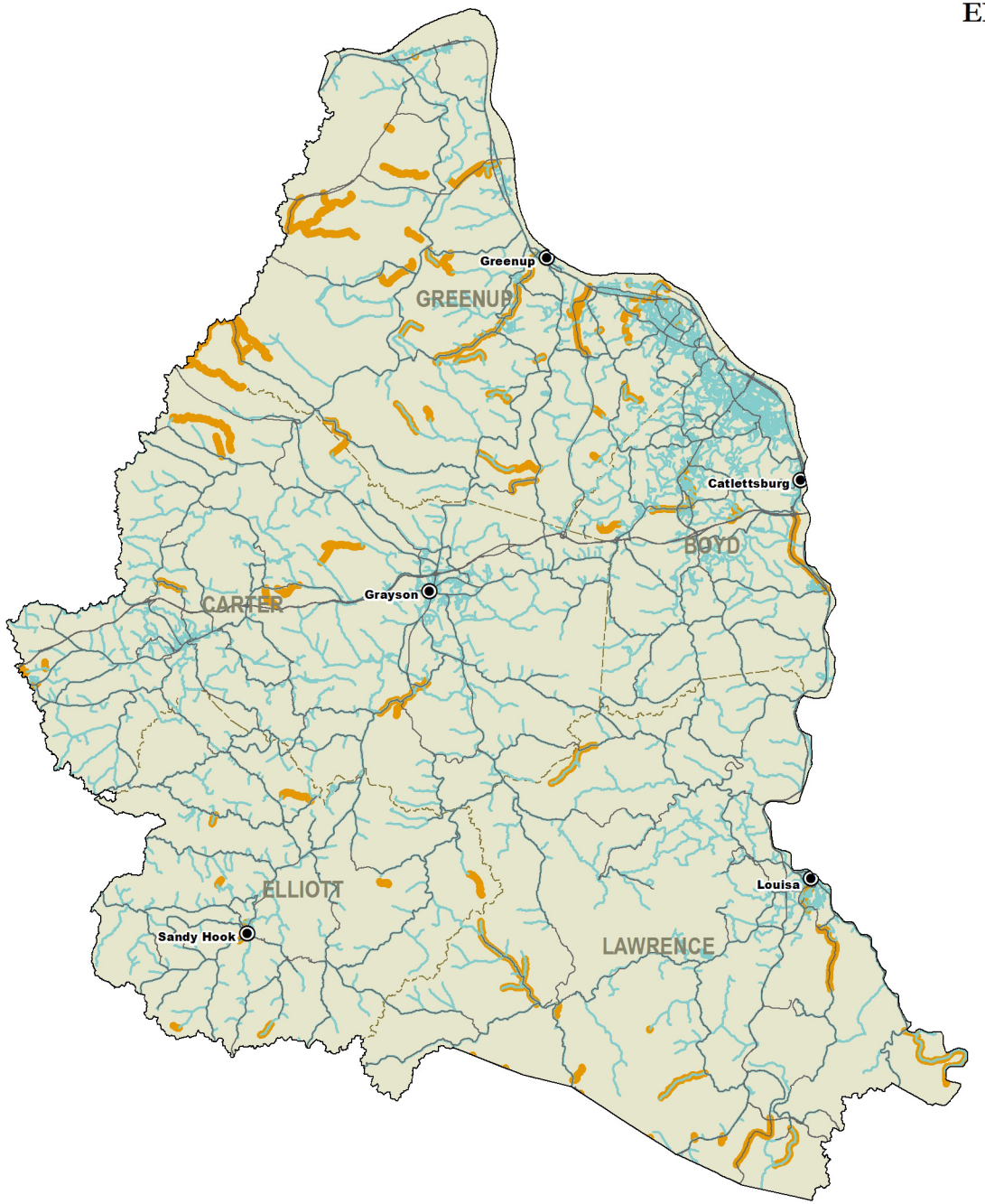
EXISTING & PROPOSED WATER LINES

FIVCO

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Five County Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0100944	Big Sandy Water District	Boyd	14,017	6,051
KY0100064	Cannonsburg Water District	Boyd	8,953	3,715
KY0100011	City of Ashland	Boyd	35,828	16,145
KY0220335	City of Olive Hill	Carter	4,996	2,355
KY0220164	Grayson Utility Commission	Carter	10,817	4,588
KY0220555	Rattlesnake Ridge Water District	Carter	11,497	5,243
KY0320383	Sandy Hook Water District	Elliott	3,716	1,511
KY0450132	City of Flatwoods	Greenup	8,037	3,556
KY0450169	City of Greenup	Greenup	10,268	4,463
KY0450365	City of Raceland	Greenup	3,185	1,446
KY0450376	City of Russell	Greenup	4,900	2,143
KY0450410	City of South Shore	Greenup	4,582	2,161
KY0450478	City of Worthington	Greenup	1,613	684
KY0450479	City of Wurtland	Greenup	1,476	632
KY0640257	City of Louisa	Lawrence	5,471	2,472
		Totals:	129,356	57,165

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089011	Russell: Upgrade Water Treatment Plant and System Improvements	0-2 Years	Not Funded	$16,500,000	Greenup	1	1
WX21089102	City of Greenup new Water Treatment Plant	0-2 Years	Not Funded	$14,599,000	Greenup	2	2
WX21089101	New South Shore Water Treatment Plant	0-2 Years	Not Funded	$3,051,133	Greenup	3	3
WX21019053	Water Plant Upgrades	0-2 Years	Not Funded	$6,000,000	Boyd	4	1
WX21089097	City of Russell Downtown Water Main Replacement Project	0-2 Years	Not Funded	$495,545	Greenup	5	
WX21019052	Ashland: Catlettsburg Waterline Replacement Project	0-2 Years	Not Funded	$1,720,750	Boyd	6	2
WX21089098	City of Raceland: Lynnwood Street Sewer/Water Replacement	0-2 Years	Not Funded	$24,000	Greenup	7	4
WX21089093	City of Flatwoods Water Tank Rehab Project	3-5 Years	Not Funded	$180,000	Greenup	8	5
WX21019045	Ashland: Westwood Waterline Replacement Project	0-2 Years	Not Funded	$860,740	Boyd	9	3
WX21089091	City of Flatwoods New 250,000 Gallon Water Storage Tank	0-2 Years	Not Funded	$700,000	Greenup	10	
WX21089062	Wurtland: Radio Read Meters	3-5 Years	Not Funded	$150,000	Greenup	11	
WX21089096	City of Worthington Water Tank Replacement	6-10 Years	Not Funded	$500,000	Greenup	12	
WX21089046	Greenup: AA Highway System Loop	6-10 Years	Not Funded	$919,000	Greenup	13	
WX21019051	Ashland: Ashland Waterline Replacement Project	0-2 Years	Not Funded	$1,175,875	Boyd	14	4
WX21019049	Ashland: Ironville and Summit Waterline Replacement Project	0-2 Years	Not Funded	$1,181,375	Boyd	15	5
WX21043043	Olive Hill: New Road Hill Waterline Rehab Project	3-5 Years	Not Funded	$300,000	Carter	16	3
WX21089024	Wurtland: Adena Water Tank Security	0-2 Years	Not Funded	$15,000	Greenup	17	
WX21089072	Worthington: Valve Replacement Project Systemwide	3-5 Years	Not Funded	$20,800	Greenup	18	
WX21089005	Worthington: Clean out Wells to Increase Output	0-2 Years	Not Funded	$98,400	Greenup	19	
WX21089095	City of Worthington New 100,000 Gallon Water Tank	6-10 Years	Not Funded	$200,000	Greenup	20	
WX21089013	Greenup: New Water Intake Structure	3-5 Years	Partially Funded	$4,900,000	Greenup	21	
WX21089103	Beattyville Line Replacement	0-2 Years	Not Funded	$162,000	Greenup	22	
WX21089081	Greenup: Phase 9 Waterline Extensions and System Improvements	6-10 Years	Not Funded	$598,260	Greenup	23	
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	$50,000	Greenup	24	
WX21043046	Replace Garvin Hill Pump Station	0-2 Years	Not Funded	$800,000	Carter	25	1
WX21089092	City of Flatwoods New Interconnect Project	3-5 Years	Not Funded	$500,000	Greenup	26	
WX21089065	Raceland: Leak Detection Survey for Water Loss Abatement	0-2 Years	Not Funded	$19,488	Greenup	27	
WX21043042	Olive Hill: Water Treatment Plant Rehab Project	0-2 Years	Not Funded	$300,000	Carter	29	
WX21089063	Raceland: Water Meter Replacement Project	6-10 Years	Not Funded	$369,900	Greenup	30	
WX21089071	Greenup: Argillite Water Tank Replacement	6-10 Years	Not Funded	$750,000	Greenup	31	
WX21089075	South Shore: Killen Hollow Water Tank Upgrade with Line Extensions	0-2 Years	Not Funded	$500,000	Greenup	32	
WX21043027	Olive Hill: Pressure Upgrade for Charlie Branch & Last Resort	3-5 Years	Not Funded	$20,000	Carter	33	2
WX21089058	Greenup: Rt 2 Raccoon Creek Waterline Extension	6-10 Years	Not Funded	$585,000	Greenup	36	
WX21089040	Worthington: Worthington Ave & Prospect Ave Loop	3-5 Years	Not Funded	$110,000	Greenup	37	

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089061	Raceland: Relocate RR Water Main to Corkey Lane	0-2 Years	Not Funded	$236,100	Greenup	38	
WX21089077	Greenup: Downtown Greenup Water System Upgrades	0-2 Years	Not Funded	$1,500,000	Greenup	39	
WX21089031	Raceland: Phase 9 System Loop Along US23 From Pond Run to Caroline Road	6-10 Years	Not Funded	$150,000	Greenup	40	
WX21043045	New High Service Pump installation	0-2 Years	Not Funded	$150,000	Carter	41	4
WX21043037	Grayson: WTP Flocculation & Clarification System	3-5 Years	Not Funded	$2,638,000	Carter	42	5
WX21089032	Raceland: Phase 10 West Raceland Water Tank	11-20 Years	Not Funded	$325,000	Greenup	43	
WX21127025	Doe Knob Water Line Extension	0-2 Years	Not Funded	$20,000	Lawrence	44	
WX21089076	Greenup: US 23 Transmission Main	6-10 Years	Not Funded	$900,000	Greenup	45	
			Total Cost:	**$64,275,366**			

Boyd County

- 2010 census population of 49,542 (21,803 households) with 100% serviceable.
- Projected 2020 population of 49,446 (change of -96).
- Boyd County has 547.92 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 47.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,558,740.
- There are no projects planned from 6 to 10 years.

Boyd County has a 2010 census population count of 49,542 (21,803 households) with a projected 2020 population count of 49,446 (20,040 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 7,983 instances of improved service through the rehabilitation of 47.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Big Sandy Water District	1	$2,220,000	-	700	-	42.00	-
City of Ashland	6	$11,838,740	-	7,283	-	5.00	-
City of Flatwoods	1	$500,000	-	-	-	-	-
Totals:	**8**	**$14,558,740**	**-**	**7,983**	**-**	**47.00**	**-**

Community Drinking Water Systems in Boyd County

Note: Serviceability counts are for households within Boyd county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0100944	Big Sandy Water District	Boyd	4,827	1,940
KY0100064	Cannonsburg Water District	Boyd	8,492	3,519
KY0100011	City of Ashland	Boyd	35,702	16,091
KY0450376	City of Russell	Greenup	401	188
		Totals:	49,422	21,738

Kentucky Infrastructure Authority
January 04, 2019

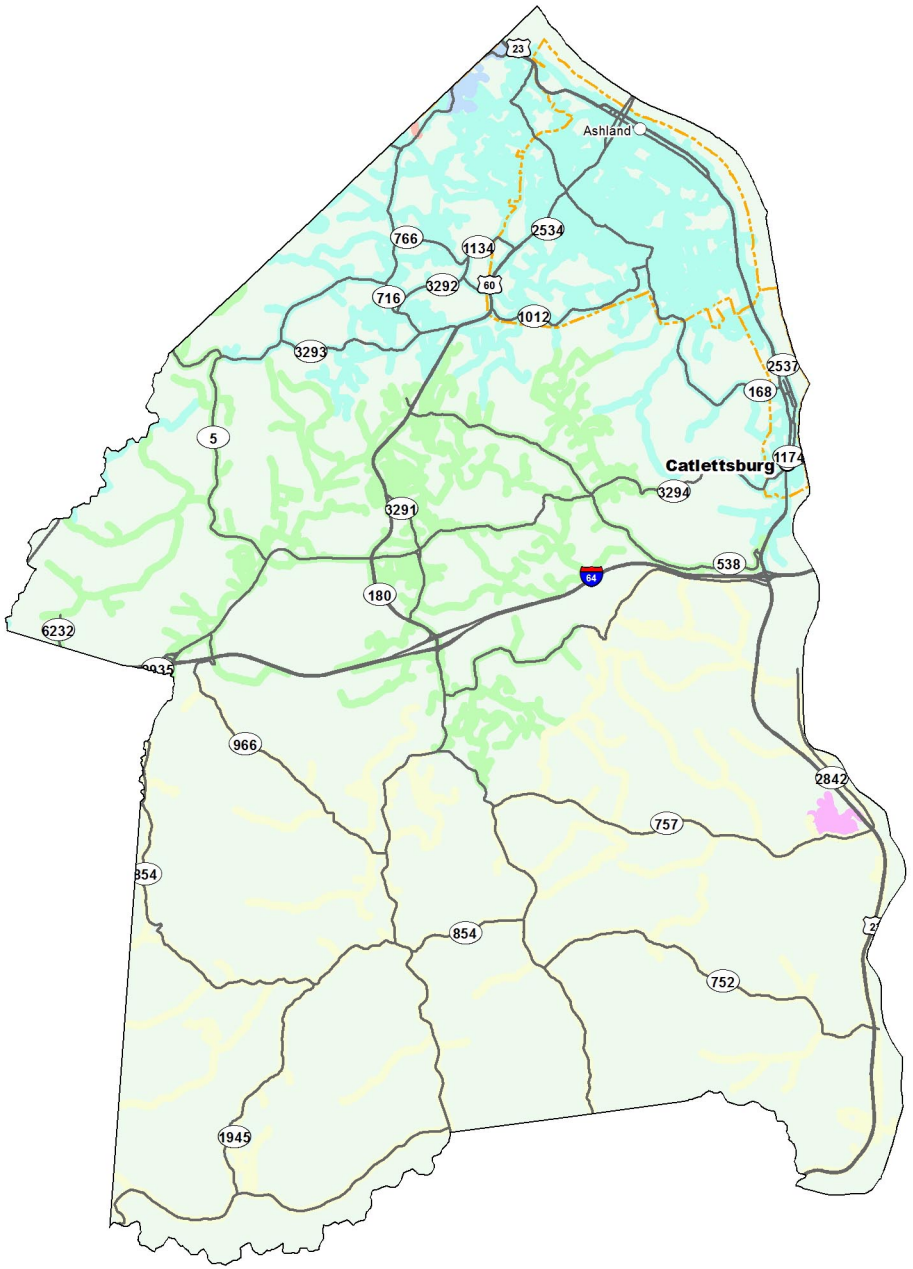
WATER SERVICE AREAS
BOYD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- ASHLAND WATER DEPARTMENT
- BIG SANDY WATER DISTRICT
- CANNONSBURG WATER DISTRICT
- GREENUP WATER DEPARTMENT
- OVERLAND DEVELOPMENT
- RUSSELL WATER DEPARTMENT

System Summary for Big Sandy Water District

PWSID	KY0100944	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 5 providers.
Non-Municipal Cost	$43.03 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,754
Residential Customers	4,617	Total Produced (MG)	-
Commercial Customers	60	Total Purchased (MG)	234.964
Institutional Customers	-	Total Inside Usage (MG)	246.424
Industrial Customers	25	Total Wholesale Sold (MG)	26.036
Wholesale Customers	1	Estimated Pct. Water Loss	-16%

Total Distribution System Line Length = 425.42 miles (Distribution: 425.42 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Big Sandy Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21127023	Scattered Site Water Service Line Replacement Project	0-2 Years	Partially Funded	$2,220,000	Boyd		
WX21127022	Kentucky 645 Water Extension Project	6-10 Years	Not Funded	$150,000	Lawrence		

System Summary for Cannonsburg Water District

PWSID	KY0100064	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$42.68 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,544
Residential Customers	3,250	Total Produced (MG)	-
Commercial Customers	245	Total Purchased (MG)	414.907
Institutional Customers	3	Total Inside Usage (MG)	244.575
Industrial Customers	2	Total Wholesale Sold (MG)	26.036
Wholesale Customers	1	Estimated Pct. Water Loss	35%
Total Distribution System Line Length = 163.42 miles (Distribution: 158.49 miles, Transmission: 4.93 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Cannonsburg Water District

System Summary for City of Ashland

PWSID	KY0100011	Treats Water	Yes, 1 plant with total capacity of 24.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	42	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$26.09 per 4,000 gallons.	Storage Capacity	Yes, 12 tanks with total capacity of 13.000 MG.
Outside Mun. Cost	$40.37 per 4,000 gallons.	Total Connections	15,415
Residential Customers	11,974	Total Produced (MG)	3,584.197
Commercial Customers	2,091	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,661.645
Industrial Customers	-	Total Wholesale Sold (MG)	471.271
Wholesale Customers	3	Estimated Pct. Water Loss	40%
Total Distribution System Line Length = 280.51 miles (Distribution: 279.22 miles, Transmission: 1.29 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Ashland

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21019052	Ashland: Catlettsburg Waterline Replacement Project	0-2 Years	Not Funded	$1,720,750	Boyd	6	2
WX21019047	Ashland: Debord Hill Water Tank Upgrade	3-5 Years	Not Funded	$900,000	Boyd		

Carter County

- 2010 census population of 27,720 (12,311 households) with 95% serviceable.
- Projected 2020 population of 28,459 (change of 739).
- Carter County has 632.88 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 24.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,015,743.
- Estimated funding needs for projects from 6 to 10 years: $150,000.

Carter County has a 2010 census population count of 27,720 (12,311 households) with a projected 2020 population count of 28,459 (11,508 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 69 serviceable households will be added through the construction of 7.00 miles of water line extensions and approximately 12,165 instances of improved service through the rehabilitation of 24.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Big Sandy Water District	1	$2,220,000	-	391	-	17.00	-
City of Ashland	1	$860,740	-	-	-	-	-
City of Olive Hill	5	$1,570,000	-	4,774	-	7.00	-
Garrison-Quincy-Ky-O-Heights Water District	1	$2,500,000	19	-	2.00	-	-
Grayson Utility Commission	3	$3,121,000	15	7,000	1.00	-	-
Rattlesnake Ridge Water District	1	$3,894,003	35	-	4.00	-	-
Totals:	**12**	**$14,165,743**	**69**	**12,165**	**7.00**	**24.00**	**-**

Community Drinking Water Systems in Carter County

Note: Serviceability counts are for households within Carter county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0220335	City of Olive Hill	Carter	4,996	2,355
KY0220164	Grayson Utility Commission	Carter	10,448	4,434
KY0220555	Rattlesnake Ridge Water District	Carter	6,809	3,089
KY0100944	Big Sandy Water District	Boyd	1,968	844
KY0680438	Vanceburg Water	Lewis	45	22
KY1030375	Rowan Water, Inc	Rowan	1,929	879
		Totals:	26,195	11,623

Kentucky Infrastructure Authority
January 04, 2019

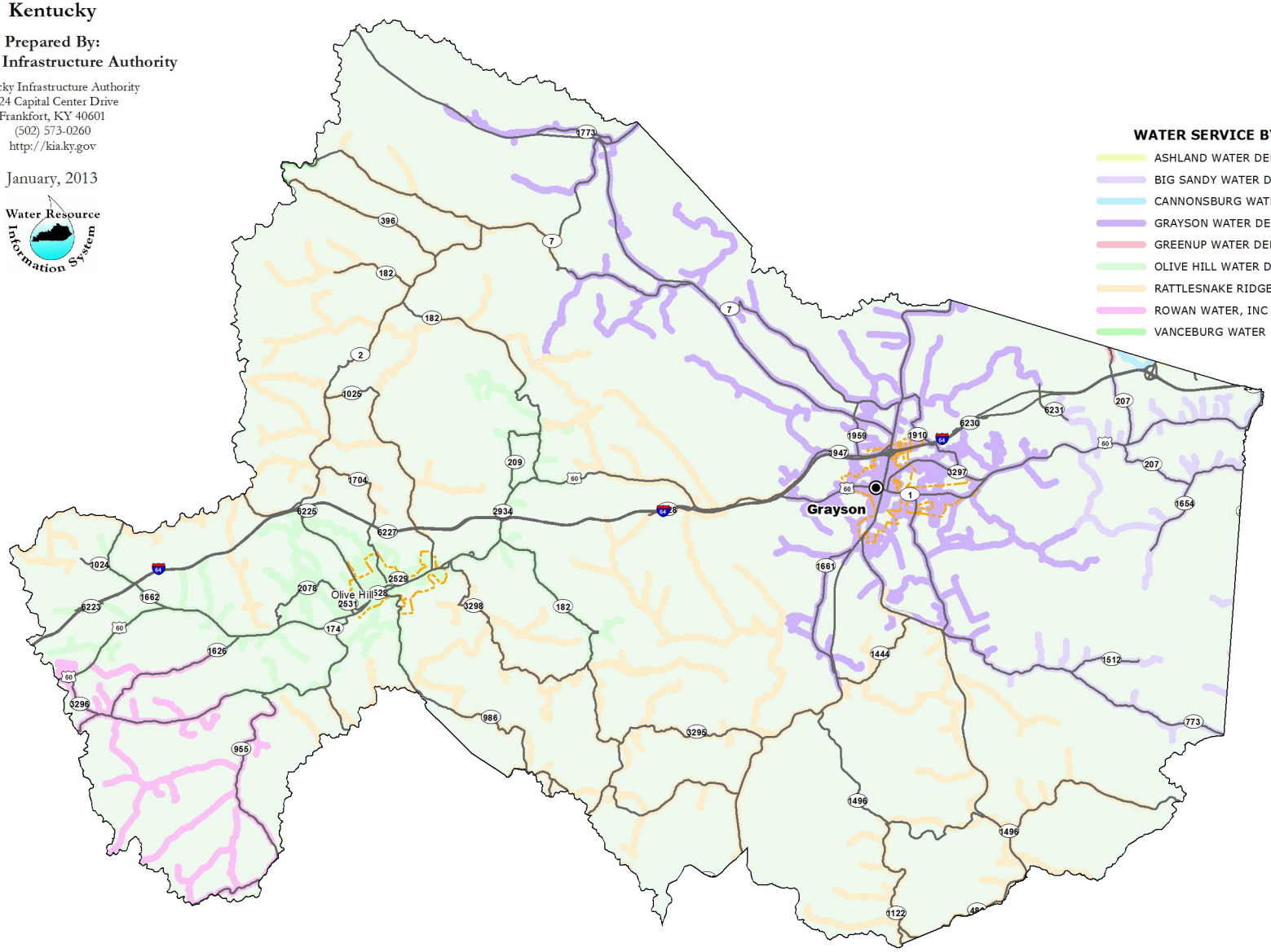
WATER SERVICE AREAS
CARTER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for City of Olive Hill

PWSID	KY0220335	Treats Water	Yes, 1 plant with total capacity of 1.300 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$25.05 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$40.00 per 4,000 gallons.	Total Connections	2,233
Residential Customers	2,053	Total Produced (MG)	316.770
Commercial Customers	180	Total Purchased (MG)	8.225
Institutional Customers	-	Total Inside Usage (MG)	54.933
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	83%

Total Distribution System Line Length = 105.87 miles (Distribution: 105.87 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Olive Hill

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21043043	Olive Hill: New Road Hill Waterline Rehab Project	3-5 Years	Not Funded	$300,000	Carter	16	3
WX21043042	Olive Hill: Water Treatment Plant Rehab Project	0-2 Years	Not Funded	$300,000	Carter	29	
WX21043027	Olive Hill: Pressure Upgrade for Charlie Branch & Last Resort	3-5 Years	Not Funded	$20,000	Carter	33	2
WX21043045	New High Service Pump installation	0-2 Years	Not Funded	$150,000	Carter	41	4

System Summary for Grayson Utility Commission

PWSID	KY0220164	Treats Water	Yes, 1 plant with total capacity of 3.300 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$24.10 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$29.84 per 4,000 gallons.	Total Connections	4,305
Residential Customers	2,849	Total Produced (MG)	643.000
Commercial Customers	1,455	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	341.346
Industrial Customers	2	Total Wholesale Sold (MG)	3.453
Wholesale Customers	1	Estimated Pct. Water Loss	46%

Total Distribution System Line Length = 195.63 miles (Distribution: 195.63 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Grayson Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21043037	Grayson: WTP Flocculation & Clarification System	3-5 Years	Not Funded	$2,638,000	Carter	42	5
WX21043038	Grayson: WTP Emergency Power Generators	3-5 Years	Not Funded	$333,000	Carter		
WX21043040	Grayson: Keyhoe Water Line Extension Phase 2	6-10 Years	Not Funded	$150,000	Carter		

Carter County (continued)

System Summary for Rattlesnake Ridge Water District

PWSID	KY0220555	Treats Water	Yes, 1 plant with total capacity of 2.484 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	12	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$23.69 per 4,000 gallons.	Storage Capacity	Yes, 13 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$29.34 per 4,000 gallons.	Total Connections	4,073
Residential Customers	4,056	Total Produced (MG)	509.935
Commercial Customers	17	Total Purchased (MG)	3.453
Institutional Customers	-	Total Inside Usage (MG)	193.828
Industrial Customers	-	Total Wholesale Sold (MG)	6.638
Wholesale Customers	3	Estimated Pct. Water Loss	61%
Total Distribution System Line Length = 461.14 miles (Distribution: 461.14 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Rattlesnake Ridge Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21043028	Rattlesnake Ridge Water District Phase 11 Water System Improvements	0-2 Years	Partially Funded	$3,894,003	Carter		

Elliott County

- 2010 census population of 7,852 (3,371 households) with 92% serviceable.
- Projected 2020 population of 8,078 (change of 226).
- Elliott County has 275.00 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,477,003.
- There are no projects planned from 6 to 10 years.

Elliott County has a 2010 census population count of 7,852 (3,371 households) with a projected 2020 population count of 8,078 (3,011 households). Public water is currently available to approximately 92 percent of the county's households based on 2010 census counts. Over the next ten years approximately 15 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 2,681 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Rattlesnake Ridge Water District	1	$3,894,003	15	-	3.00	-	-
Sandy Hook Water District	2	$583,000	-	2,681	-	-	-
Totals:	**3**	**$4,477,003**	**15**	**2,681**	**3.00**	**-**	**-**

Community Drinking Water Systems in Elliott County

Note: Serviceability counts are for households within Elliott county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0320383	Sandy Hook Water District	Elliott	3,436	1,358
KY0220555	Rattlesnake Ridge Water District	Carter	3,289	1,448
KY1030375	Rowan Water, Inc	Rowan	585	301
		Totals:	7,310	3,107

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
ELLIOTT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

WATER SERVICE BY OWNER

- RATTLESNAKE RIDGE WATER DISTRICT
- ROWAN WATER, INC
- SANDY HOOK WATER DISTRICT

System Summary for Sandy Hook Water District

PWSID	KY0320383	Treats Water	Yes, 1 plant with total capacity of 0.374 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 6 sources.
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$50.95 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,198
Residential Customers	1,280	Total Produced (MG)	79.600
Commercial Customers	104	Total Purchased (MG)	1.214
Institutional Customers	-	Total Inside Usage (MG)	79.582
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	2%

Total Distribution System Line Length = 113.57 miles (Distribution: 108.98 miles, Transmission: 4.59 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Sandy Hook Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21063011	Sandy Hook Water District: New Treatment Plant Building Project	3-5 Years	Not Funded	$325,000	Elliott		
WX21063008	Well Rehabilitation	0-2 Years	Not Funded	$258,000	Elliott		

Greenup County

- 2010 census population of 36,910 (16,330 households) with 93% serviceable.
- Projected 2020 population of 36,923 (change of 13).
- Greenup County has 549.57 miles of existing water lines.
- 41.00 miles of line extensions proposed in the next 10 years.
- 8.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $48,034,341.
- Estimated funding needs for projects from 6 to 10 years: $5,777,160.

Greenup County has a 2010 census population count of 36,910 (16,330 households) with a projected 2020 population count of 36,923 (15,046 households). Public water is currently available to approximately 93 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,646 serviceable households will be added through the construction of 41.00 miles of water line extensions and approximately 36,086 instances of improved service through the rehabilitation of 8.00 miles of existing water lines and other appurtenances. 16.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Ashland	1	$1,181,375	-	1	-	-	-
City of Flatwoods	3	$1,380,000	-	14,422	-	-	1.00
City of Greenup	10	$25,422,260	72	6,384	29.00	7.00	14.00
City of Raceland	7	$1,319,988	1,442	3,490	1.00	1.00	-
City of Russell	2	$16,995,545	-	5,771	-	-	-
City of South Shore	3	$3,713,133	50	2,488	-	-	-
City of Worthington	6	$984,200	-	2,876	-	-	1.00
City of Wurtland	2	$165,000	-	654	-	-	-
Garrison-Quincy-Ky-O-Heights Water District	1	$2,500,000	76	-	9.00	-	-
Grayson Utility Commission	1	$150,000	6	-	2.00	-	-
Totals:	**36**	**$53,811,501**	**1,646**	**36,086**	**41.00**	**8.00**	**16.00**

Community Drinking Water Systems in Greenup County

Note: Serviceability counts are for households within Greenup county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0450132	City of Flatwoods	Greenup	8,035	3,554
KY0450169	City of Greenup	Greenup	10,261	4,460
KY0450365	City of Raceland	Greenup	3,185	1,446
KY0450376	City of Russell	Greenup	4,499	1,955
KY0450410	City of South Shore	Greenup	4,224	1,980
KY0450478	City of Worthington	Greenup	1,613	684
KY0450479	City of Wurtland	Greenup	1,476	632
KY0100064	Cannonsburg Water District	Boyd	449	191
KY0100011	City of Ashland	Boyd	126	54
KY0220164	Grayson Utility Commission	Carter	369	154
		Totals:	34,237	15,110

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
GREENUP COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
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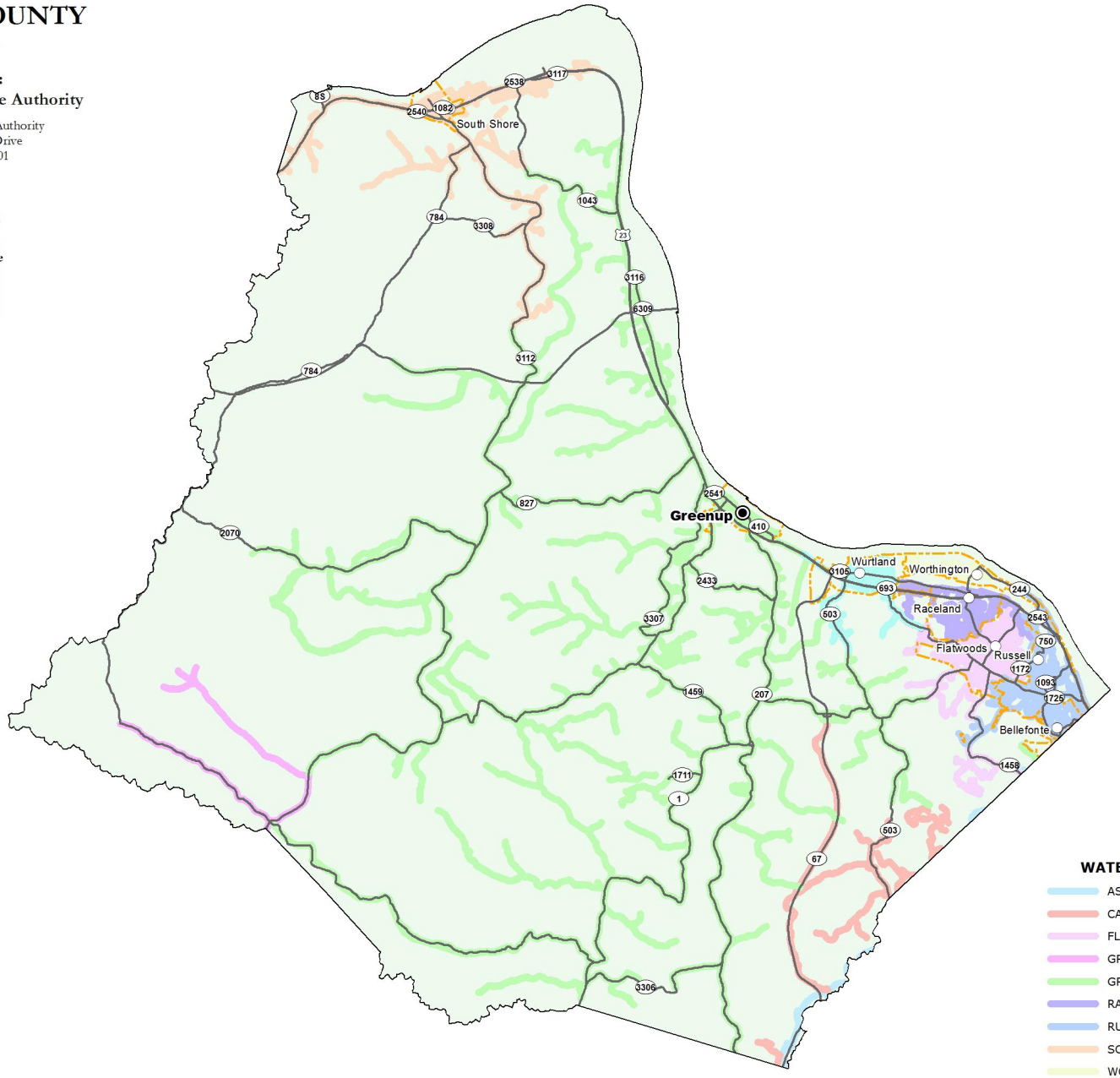
January, 2013



WATER SERVICE BY OWNER

- ASHLAND WATER DEPARTMENT
- CANNONSBURG WATER DISTRICT
- FLATWOODS WATER DEPARTMENT
- GRAYSON WATER DEPARTMENT
- GREENUP WATER DEPARTMENT
- RACELAND WATER DEPARTMENT
- RUSSELL WATER DEPARTMENT
- SOUTH SHORE WATER WORKS INC.
- WORTHINGTON WATER DEPARTMENT
- WURTLAND WATER DEPARTMENT

System Summary for City of Flatwoods

PWSID	KY0450132	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$25.20 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$34.80 per 4,000 gallons.	Total Connections	3,202
Residential Customers	3,041	Total Produced (MG)	-
Commercial Customers	139	Total Purchased (MG)	238.900
Institutional Customers	-	Total Inside Usage (MG)	175.400
Industrial Customers	-	Total Wholesale Sold (MG)	30.100
Wholesale Customers	2	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 56.55 miles (Distribution: 56.55 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Flatwoods

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089093	City of Flatwoods Water Tank Rehab Project	3-5 Years	Not Funded	$180,000	Greenup	8	5
WX21089091	City of Flatwoods New 250,000 Gallon Water Storage Tank	0-2 Years	Not Funded	$700,000	Greenup	10	
WX21089092	City of Flatwoods New Interconnect Project	3-5 Years	Not Funded	$500,000	Greenup	26	

System Summary for City of Greenup

PWSID	KY0450169	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	14	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$40.99 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$56.28 per 4,000 gallons.	Total Connections	4,106
Residential Customers	3,974	Total Produced (MG)	535.500
Commercial Customers	132	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	184.373
Industrial Customers	-	Total Wholesale Sold (MG)	5.737
Wholesale Customers	2	Estimated Pct. Water Loss	64%

Total Distribution System Line Length = 300.68 miles (Distribution: 300.60 miles, Transmission: 0.07 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Greenup

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089102	City of Greenup new Water Treatment Plant	0-2 Years	Not Funded	$14,599,000	Greenup	2	2
WX21089046	Greenup: AA Highway System Loop	6-10 Years	Not Funded	$919,000	Greenup	13	
WX21089013	Greenup: New Water Intake Structure	3-5 Years	Partially Funded	$4,900,000	Greenup	21	
WX21089081	Greenup: Phase 9 Waterline Extensions and System Improvements	6-10 Years	Not Funded	$598,260	Greenup	23	
WX21089071	Greenup: Argillite Water Tank Replacement	6-10 Years	Not Funded	$750,000	Greenup	31	
WX21089058	Greenup: Rt 2 Raccoon Creek Waterline Extension	6-10 Years	Not Funded	$585,000	Greenup	36	
WX21089077	Greenup: Downtown Greenup Water System Upgrades	0-2 Years	Not Funded	$1,500,000	Greenup	39	
WX21089076	Greenup: US 23 Transmission Main	6-10 Years	Not Funded	$900,000	Greenup	45	
WX21089047	Greenup: Industrial Parkway System Loop	6-10 Years	Not Funded	$600,000	Greenup		
WX21089048	GCFC: New Pump Station for Greenup Water System	3-5 Years	Not Funded	$71,000	Greenup		

System Summary for City of Raceland

PWSID	KY0450365	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$26.69 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$26.69 per 4,000 gallons.	Total Connections	1,300
Residential Customers	1,300	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	92.245
Institutional Customers	-	Total Inside Usage (MG)	64.450
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 25.95 miles (Distribution: 25.95 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Raceland

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089065	Raceland: Leak Detection Survey for Water Loss Abatement	0-2 Years	Not Funded	$19,488	Greenup	27	
WX21089063	Raceland: Water Meter Replacement Project	6-10 Years	Not Funded	$369,900	Greenup	30	
WX21089061	Raceland: Relocate RR Water Main to Corkey Lane	0-2 Years	Not Funded	$236,100	Greenup	38	
WX21089031	Raceland: Phase 9 System Loop Along US23 From Pond Run to Caroline Road	6-10 Years	Not Funded	$150,000	Greenup	40	
WX21089053	Raceland: System Loop along US 23 from Caroline Rd to Buckenham	0-2 Years	Not Funded	$395,500	Greenup		
WX21089049	Raceland: New Telemetry for Poplar Highlands Water Tank	0-2 Years	Not Funded	$125,000	Greenup		

System Summary for City of Russell

PWSID	KY0450376	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$27.00 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$28.40 per 4,000 gallons.	Total Connections	2,509
Residential Customers	2,289	Total Produced (MG)	507.417
Commercial Customers	171	Total Purchased (MG)	13.000
Institutional Customers	5	Total Inside Usage (MG)	145.236
Industrial Customers	2	Total Wholesale Sold (MG)	261.245
Wholesale Customers	2	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 49.21 miles (Distribution: 46.15 miles, Transmission: 3.06 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Russell

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089011	Russell: Upgrade Water Treatment Plant and System Improvements	0-2 Years	Not Funded	$16,500,000	Greenup	1	1
WX21089097	City of Russell Downtown Water Main Replacement Project	0-2 Years	Not Funded	$495,545	Greenup	5	

System Summary for City of South Shore

PWSID	KY0450410	Treats Water	Yes, 1 plant with total capacity of 0.925 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 11 sources.
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$30.64 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$32.94 per 4,000 gallons.	Total Connections	2,163
Residential Customers	2,026	Total Produced (MG)	131.161
Commercial Customers	137	Total Purchased (MG)	12.355
Institutional Customers	-	Total Inside Usage (MG)	98.635
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 56.88 miles (Distribution: 56.83 miles, Transmission: 0.05 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of South Shore

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089101	New South Shore Water Treatment Plant	0-2 Years	Not Funded	$3,051,133	Greenup	3	3
WX21089075	South Shore: Killen Hollow Water Tank Upgrade with Line Extensions	0-2 Years	Not Funded	$500,000	Greenup	32	

System Summary for City of Worthington

PWSID	KY0450478	Treats Water	Yes, 1 plant with total capacity of 0.245 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$28.94 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	682
Residential Customers	680	Total Produced (MG)	52.105
Commercial Customers	1	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	48.081
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 10.55 miles (Distribution: 10.42 miles, Transmission: 0.13 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Worthington

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089096	City of Worthington Water Tank Replacement	6-10 Years	Not Funded	$500,000	Greenup	12	
WX21089072	Worthington: Valve Replacement Project Systemwide	3-5 Years	Not Funded	$20,800	Greenup	18	
WX21089005	Worthington: Clean out Wells to Increase Output	0-2 Years	Not Funded	$98,400	Greenup	19	
WX21089095	City of Worthington New 100,000 Gallon Water Tank	6-10 Years	Not Funded	$200,000	Greenup	20	
WX21089040	Worthington: Worthington Ave & Prospect Ave Loop	3-5 Years	Not Funded	$110,000	Greenup	37	
WX21089041	Worthington: Calumet Causeway Water Project	6-10 Years	Not Funded	$55,000	Greenup		

System Summary for City of Wurtland

PWSID	KY0450479	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$43.36 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$53.36 per 4,000 gallons.	Total Connections	584
Residential Customers	550	Total Produced (MG)	-
Commercial Customers	16	Total Purchased (MG)	35.337
Institutional Customers	4	Total Inside Usage (MG)	32.632
Industrial Customers	8	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 18.27 miles (Distribution: 18.27 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Wurtland

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089062	Wurtland: Radio Read Meters	3-5 Years	Not Funded	$150,000	Greenup	11	
WX21089024	Wurtland: Adena Water Tank Security	0-2 Years	Not Funded	$15,000	Greenup	17	
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	$50,000	Greenup	24	

Lawrence County

- 2010 census population of 15,860 (7,286 households) with 91% serviceable.
- Projected 2020 population of 16,192 (change of 332).
- Lawrence County has 414.23 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,134,003.
- Estimated funding needs for projects from 6 to 10 years: $150,000.

Lawrence County has a 2010 census population count of 15,860 (7,286 households) with a projected 2020 population count of 16,192 (6,647 households). Public water is currently available to approximately 91 percent of the county's households based on 2010 census counts. Over the next ten years approximately 7 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 226 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Big Sandy Water District	2	$2,370,000	6	226	1.00	20.00	-
City of Louisa	1	$20,000	1	-	-	-	-
Rattlesnake Ridge Water District	1	$3,894,003	-	-	-	-	-
Totals:	**4**	**$6,284,003**	**7**	**226**	**1.00**	**20.00**	**-**

Community Drinking Water Systems in Lawrence County

Note: Serviceability counts are for households within Lawrence county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0640257	City of Louisa	Lawrence	5,471	2,472
KY0100944	Big Sandy Water District	Boyd	7,179	3,248
KY0220555	Rattlesnake Ridge Water District	Carter	1,216	622
KY0580340	Paintsville Utilities Commission	Johnson	582	263
		Totals:	14,448	6,605

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
LAWRENCE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System

Lawrence County (continued)

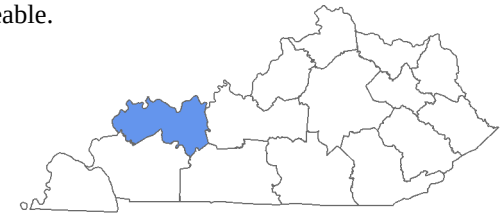
System Summary for City of Louisa

PWSID	KY0640257	Treats Water	Yes, 1 plant with total capacity of 3.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$34.92 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$45.09 per 4,000 gallons.	Total Connections	2,690
Residential Customers	2,344	Total Produced (MG)	529.922
Commercial Customers	345	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	250.519
Industrial Customers	-	Total Wholesale Sold (MG)	88.568
Wholesale Customers	1	Estimated Pct. Water Loss	36%
Total Distribution System Line Length = 78.72 miles (Distribution: 74.00 miles, Transmission: 4.72 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for City of Louisa

Green River Area Development District (GRADD)



- 2010 census population of 213,472 (92,066 households) with 97% serviceable.
- Projected 2020 population of 220,544 (change of 7,072).
- 4,068.22 miles of existing water lines.
- 133.00 miles of line extensions proposed in the next 10 years.
- 82.00 miles of line rehabilitation proposed in the next 10 years.
- 48.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $122,932,152.
- Estimated funding needs for projects from 6 to 10 years: $17,702,375.
- Average age of structures: water treatment plants is 38 years; water tanks is 31 years.
- Total number of interconnected systems is 30.
- 185 miles of asbestos concrete pipe currently in use.
- 436 miles of water lines less than 15 years old.
- 1,291 miles of water lines between 15 and 30 years old.
- 1,743 miles of water lines between 31 and 50 years old.
- 385 miles of water lines between 51 and 70 years old.
- 245 miles of water lines greater than 70 years old.

Green River Area Development District has a 2010 census population count of 213,472 (92,066 households) with a projected 2020 population count of 220,544 (89,593 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 918 serviceable households will be added through the construction of 133.00 miles of water line extensions and approximately 122,455 instances of improved service through the rehabilitation of 82.00 miles of existing water lines and other appurtenances. 48.00 miles of transmission lines are also proposed within this district.

County Summary for Green River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Daviess	96,656	41,452	102,214	41,878	39,711	96%	$ 49,963,294
Hancock	8,565	3,734	8,843	3,502	3,688	99%	$ 4,771,646
Henderson	46,250	20,320	47,600	19,851	20,065	99%	$ 46,020,785
McLean	9,531	4,264	9,271	3,821	4,084	96%	$ 17,181,358
Ohio	23,842	10,219	24,781	9,786	9,933	97%	$ 2,736,750
Union	15,007	6,141	14,436	5,463	5,948	97%	$ 1,630,885
Webster	13,621	5,936	13,399	5,292	5,752	97%	$ 18,329,809
Totals	**213,472**	**92,066**	**220,544**	**89,593**	**89,181**	**97%**	**$ 140,634,527**

Kentucky Infrastructure Authority
January 04, 2019

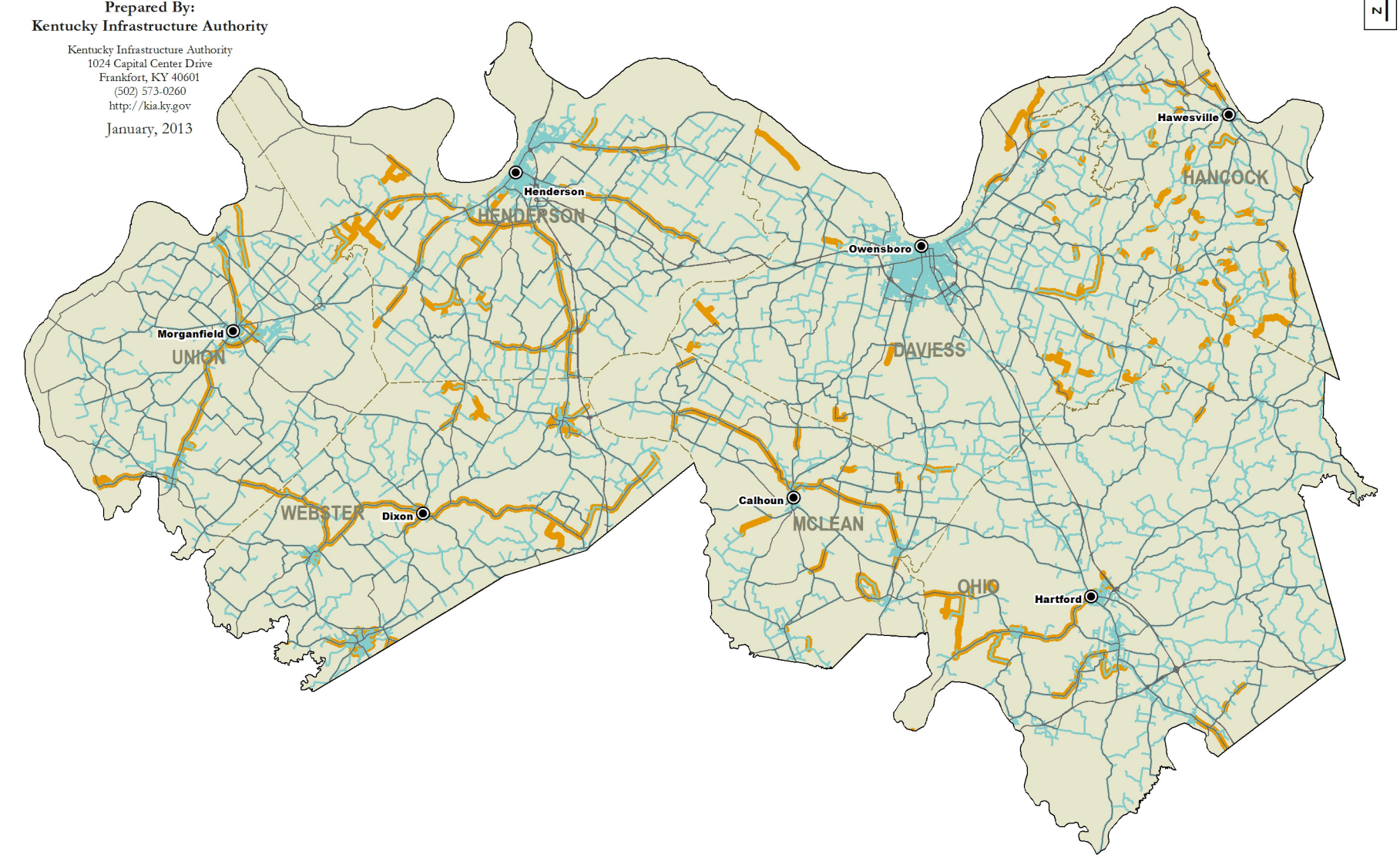
EXISTING & PROPOSED WATER LINES

GRADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



WATER LINES
- Proposed Water Lines
- Existing Water Lines

Water Resource Information System

Community Water Systems in Green River Area Development District County

Note: Serviceable counts include households outside the area development district.

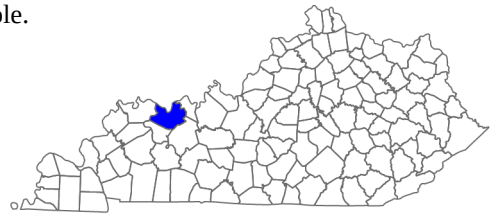
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0300109	East Daviess County Water Association	Daviess	11,192	4,546
KY0300336	Owensboro Municipal Utilities	Daviess	58,508	26,515
KY0300387	Southeast Daviess County Water District	Daviess	11,450	4,470
KY0300450	West Daviess County Water District	Daviess	10,744	4,263
KY0300467	Whitesville Water Works	Daviess	3,501	1,328
KY0460182	Hawesville Water Works	Hancock	2,742	1,187
KY0460248	Lewisport Municipal Water Works	Hancock	2,605	1,170
KY0510189	Henderson County Water District	Henderson	16,011	6,463
KY0510188	Henderson Water Utility - North	Henderson	30,094	13,758
KY0750529	Beech Grove Water Association	McLean	1,136	498
KY0750055	Calhoun Water Works	McLean	966	491
KY0750207	Island Water Department	McLean	1,039	464
KY0750252	Livermore Water Works	McLean	1,412	674
KY0300320	North McLean County Water District	McLean	2,939	1,215
KY0750907	Sacramento Water Works	McLean	1,823	824
KY0920025	Beaver Dam Municipal Water & Sewer System	Ohio	3,631	1,543
KY0920070	Centertown Water System	Ohio	1,177	492
KY0920136	Fordsville Water Works	Ohio	927	427
KY0920181	Hartford Municipal Water Works	Ohio	2,720	1,181
KY0920332	Ohio County Water District	Ohio	14,773	6,308
KY1130293	Morganfield Water Works	Union	5,548	1,906
KY1130422	Sturgis Water Works	Union	2,509	1,219
KY1130433	Union County Water District	Union	5,362	2,302
KY1130434	Uniontown Water & Sewer Department	Union	1,131	518
KY1170073	Clay Water Works	Webster	1,287	557
KY1170104	Dixon Water Department	Webster	768	256
KY1170361	Providence Water Works	Webster	3,610	1,786
KY1170388	Sebree Water Department	Webster	1,660	625
KY1170400	Slaughters Water Works	Webster	585	248
KY1170995	Webster County Water District	Webster	5,154	2,198
		Totals:	207,004	89,432

Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059074	Calvin Water Treatment Plant Expansion	0-2 Years	Not Funded	$46,785,062	Daviess	1	1
WX21183038	Rochester Dam Critical Repair Project	0-2 Years	Not Funded	$3,750,000	Ohio	2	1
WX21233009	Webster County Water District Water Tank Maintenance/ Mixing System	3-5 Years	Not Funded	$500,000	Webster	4	1
WX21233023	Dixon Water Line Upgrade	0-2 Years	Not Funded	$377,500	Webster	5	2
WX21233024	Providence Water System Improvements	0-2 Years	Not Funded	$766,545	Webster	6	3
WX21059027	EDCWA Scattered Water Line Extension #2	3-5 Years	Not Funded	$325,400	Daviess	7	5
WX21059032	Sawmill Road Water Line Extension	6-10 Years	Not Funded	$51,300	Daviess	8	3
WX21059031	Ward Road Water Line Upgrade	6-10 Years	Not Funded	$197,675	Daviess	9	4
WX21059045	Jack Hinton Road Water Main Project	3-5 Years	Not Funded	$499,280	Daviess	10	2
WX21149059	Pack Schoolhouse Road	0-2 Years	Not Funded	$427,000	McLean	11	1
WX21183043	EDCWA Ohio County Alternate Water Main Connect	3-5 Years	Not Funded	$400,000	Ohio	12	2
WX21091074	EDCWA Meter Replacement Project (Hancock)	3-5 Years	Partially Funded	$251,200	Hancock	13	2
WX21091082	Hawesville Water Treatment Plant Upgrade	6-10 Years	Not Funded	$300,000	Hancock	14	1
WX21233102	Reworking Mt. Pleasant to Dixon Pumpstation	0-2 Years	Not Funded	$80,000	Webster	15	4
WX21183047	Fordsville Water Tank Rehab Project	0-2 Years	Not Funded	$417,500	Ohio	16	3
WX21149066	Highway 593 Booster Pump Station	0-2 Years	Not Funded	$158,400	McLean	17	2
WX21101116	Henderson Riverport Infrastructure Extension, Water Line	0-2 Years	Not Funded	$66,788	Henderson	18	1
WX21101009	HWU - South Water Treatment Plant Expansion	3-5 Years	Not Funded	$3,500,000	Henderson	19	2
WX21101110	Hwy 351 Main Replacement	0-2 Years	Not Funded	$2,329,156	Henderson	20	3
WX21101004	Green River Supplemental Supply	3-5 Years	Not Funded	$16,650,000	Henderson	21	4
WX21101065	Poole Mill Road Loop	3-5 Years	Not Funded	$46,000	Henderson	22	5
WX21149005	Beech Grove Water System Storage Tank Addition	0-2 Years	Not Funded	$1,305,650	McLean	23	3
WX21149022	431 Tank Project	0-2 Years	Partially Funded	$1,488,000	McLean	24	4
WX21149058	Sacramento Water Meter Replacement	3-5 Years	Not Funded	$150,000	McLean	25	5
WX21183021	Oak Wood Drive Water Main Replacement	6-10 Years	Not Funded	$132,000	Ohio	26	4
WX21233095	Providence Line Extension	6-10 Years	Not Funded	$1,000,000	Webster	27	5
WX21091089	Donna Lou/Faith Ann Line Upsizing project	3-5 Years	Not Funded	$100,000	Hancock	28	3
WX21225044	Highway 130 Water Main Replacement Project	11-20 Years	Not Funded	$136,070	Union	29	2
WX21225046	Uniontown Water Tanks and Repair Project	11-20 Years	Not Funded	$200,000	Union	30	3
WX21225026	Uniontown Valve Upgrades	11-20 Years	Not Funded	$196,311	Union	31	4
WX21091099	Coal Bank Hollow Water Main Replacement	0-2 Years	Not Funded	$180,000	Hancock	32	4
WX21091094	Lewisport Water Line Replacement Project	11-20 Years	Not Funded	$1,042,000	Hancock	33	5
WX21183022	EDCWA Small Main Connections	0-2 Years	Not Funded	$153,000	Ohio	34	5
WX21225043	Highway 492 Line Upgrade	11-20 Years	Not Funded	$915,000	Union	35	5
			Total Cost:	**$84,876,837**			

Daviess County

- 2010 census population of 96,656 (41,452 households) with 96% serviceable.
- Projected 2020 population of 102,214 (change of 5,558).
- Daviess County has 1,030.24 miles of existing water lines.
- 28.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $49,652,919.
- Estimated funding needs for projects from 6 to 10 years: $310,375.



Daviess County has a 2010 census population count of 96,656 (41,452 households) with a projected 2020 population count of 102,214 (41,878 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 100 serviceable households will be added through the construction of 28.00 miles of water line extensions and approximately 32,750 instances of improved service through the rehabilitation of 9.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Whitesville	3	$321,475	39	-	3.00	-	-
Daviess County Fiscal Court	12	$658,877	38	-	17.00	-	-
East Daviess County Water Association Inc	5	$1,255,880	23	7,130	8.00	6.00	-
Owensboro Municipal Utilities	3	$47,385,062	-	25,120	-	1.00	4.00
Southeast Daviess County Water District	2	$342,000	-	500	-	2.00	-
Totals:	**25**	**$49,963,294**	**100**	**32,750**	**28.00**	**9.00**	**4.00**

Community Drinking Water Systems in Daviess County

Note: Serviceability counts are for households within Daviess county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0300109	East Daviess County Water Association	Daviess	6,650	2,609
KY0300336	Owensboro Municipal Utilities	Daviess	58,508	26,515
KY0300387	Southeast Daviess County Water District	Daviess	11,450	4,470
KY0300450	West Daviess County Water District	Daviess	10,684	4,239
KY0300467	Whitesville Water Works	Daviess	3,358	1,273
KY0750529	Beech Grove Water Association	McLean	123	45
KY0300320	North McLean County Water District	McLean	140	57
KY0920332	Ohio County Water District	Ohio	1,293	503
		Totals:	92,206	39,711

Kentucky Infrastructure Authority
January 04, 2019

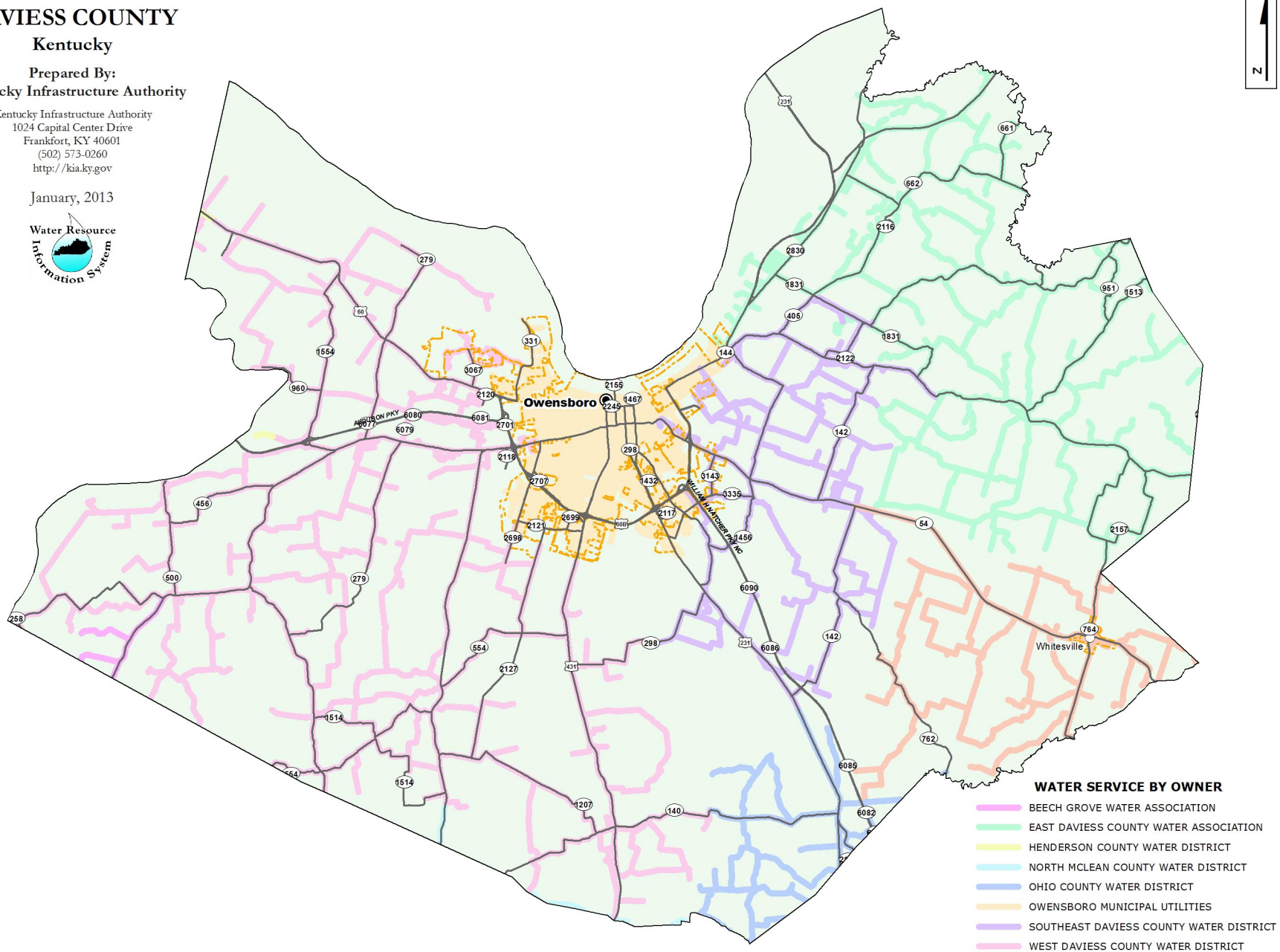
WATER SERVICE AREAS
DAVIESS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for East Daviess County Water Association

PWSID	KY0300109	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$27.14 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,561
Residential Customers	4,453	Total Produced (MG)	-
Commercial Customers	66	Total Purchased (MG)	291.939
Institutional Customers	-	Total Inside Usage (MG)	260.389
Industrial Customers	14	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 431.79 miles (Distribution: 425.47 miles, Transmission: 6.32 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for East Daviess County Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059027	EDCWA Scattered Water Line Extension #2	3-5 Years	Not Funded	$325,400	Daviess	7	5
WX21059045	Jack Hinton Road Water Main Project	3-5 Years	Not Funded	$499,280	Daviess	10	2
WX21183043	EDCWA Ohio County Alternate Water Main Connect	3-5 Years	Not Funded	$400,000	Ohio	12	2
WX21091074	EDCWA Meter Replacement Project (Hancock)	3-5 Years	Partially Funded	$251,200	Hancock	13	2
WX21183022	EDCWA Small Main Connections	0-2 Years	Not Funded	$153,000	Ohio	34	5
WX21183027	EDCWA Meter Replacement	0-2 Years	Not Funded	$120,000	Ohio		6
WX21183037	Rehab Friendship Pump Station	3-5 Years	Not Funded	$20,700	Ohio		7
WX21059046	East Daviess County Water Association Generator Project	3-5 Years	Not Funded	$60,000	Daviess		8
WX21091012	East Daviess County/Hancock County Line Extension Tie-Ins	3-5 Years	Not Funded	$440,000	Hancock		9
WX21091085	Mount Eden Fire Protection Project	3-5 Years	Not Funded	$75,000	Hancock		10
WX21091091	Rehab Highway 1389 Pump Station	6-10 Years	Not Funded	$69,000	Hancock		14
WX21091092	Yakel Pump Station Rehab Project	0-2 Years	Not Funded	$20,700	Hancock		15
WX21091093	Bates Hollow Pump Station Rehab Project	6-10 Years	Not Funded	$69,000	Hancock		16
WX21091075	Lewisport/EDCWA Emergency Interconnect	6-10 Years	Not Funded	$51,000	Hancock		20
WX21059073	Iceland Road Water Line Extension	0-2 Years	Partially Funded	$54,800	Daviess		
WX21059048	New Cut Road Water Line	0-2 Years	Partially Funded	$52,521	Daviess		
WX21183036	Rehab Sunnydale Pump Station	6-10 Years	Not Funded	$25,000	Ohio		

System Summary for Owensboro Municipal Utilities

PWSID	KY0300336	Treats Water	Yes, 2 plants with total capacity of 30.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 39 sources.
Employees	31	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$18.75 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$28.19 per 4,000 gallons.	Total Connections	24,969
Residential Customers	22,217	Total Produced (MG)	4,270.831
Commercial Customers	2,749	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,675.065
Industrial Customers	-	Total Wholesale Sold (MG)	1,251.220
Wholesale Customers	3	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 337.69 miles (Distribution: 331.31 miles, Transmission: 6.38 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Owensboro Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059074	Calvin Water Treatment Plant Expansion	0-2 Years	Not Funded	$46,785,062	Daviess	1	1
WX21059043	OMU Small Main Replacement Program 2009	3-5 Years	Not Funded	$300,000	Daviess		
WX21059044	OMU Small Main Replacement Program 2009 Phase II	3-5 Years	Not Funded	$300,000	Daviess		

System Summary for Southeast Daviess County Water District

PWSID	KY0300387	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	13	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$16.33 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	6,133
Residential Customers	4,524	Total Produced (MG)	-
Commercial Customers	1,588	Total Purchased (MG)	596.975
Institutional Customers	-	Total Inside Usage (MG)	485.939
Industrial Customers	-	Total Wholesale Sold (MG)	100.502
Wholesale Customers	1	Estimated Pct. Water Loss	2%

Total Distribution System Line Length = 110.33 miles (Distribution: 110.33 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Southeast Daviess County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059055	Reed Road Pump Upgrade	3-5 Years	Not Funded	$30,000	Daviess		9
WX21059066	Daniels Lane Line Upgrade	3-5 Years	Not Funded	$312,000	Daviess		11

System Summary for West Daviess County Water District

PWSID	KY0300450	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	13	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$19.53 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,980
Residential Customers	3,719	Total Produced (MG)	-
Commercial Customers	1,259	Total Purchased (MG)	362.306
Institutional Customers	-	Total Inside Usage (MG)	336.640
Industrial Customers	-	Total Wholesale Sold (MG)	13.418
Wholesale Customers	2	Estimated Pct. Water Loss	3%

Total Distribution System Line Length = 271.99 miles (Distribution: 271.14 miles, Transmission: 0.85 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Daviess County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059039	Laketown Road Waterline Extension	3-5 Years	Partially Funded	$132,000	Daviess		
WX21059053	McCarty Road/Smock Road Water Lines	0-2 Years	Partially Funded	$91,032	Daviess		
WX21059054	Greenback Road	0-2 Years	Partially Funded	$55,500	Daviess		
WX21059059	Fitts Road Water Line	0-2 Years	Partially Funded	$53,000	Daviess		
WX21059004	Hall School Road Project	0-2 Years	Partially Funded	$46,420	Daviess		

System Summary for Whitesville Water Works

PWSID	KY0300467	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$24.89 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$27.49 per 4,000 gallons.	Total Connections	1,416
Residential Customers	1,386	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	100.502
Institutional Customers	-	Total Inside Usage (MG)	88.410
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

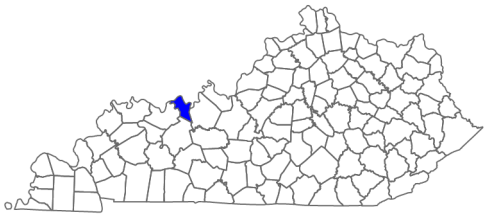
Total Distribution System Line Length = 78.60 miles (Distribution: 77.60 miles, Transmission: 1.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Whitesville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059032	Sawmill Road Water Line Extension	6-10 Years	Not Funded	$51,300	Daviess	8	3
WX21059031	Ward Road Water Line Upgrade	6-10 Years	Not Funded	$197,675	Daviess	9	4
WX21059030	Morgantown Road Water Line Loop	3-5 Years	Not Funded	$72,500	Daviess		6
WX21059062	Boston-Laffoon Road Water Line	3-5 Years	Not Funded	$23,800	Daviess		10
WX21059064	Little Hickory Road Water Line	6-10 Years	Not Funded	$61,400	Daviess		
WX21059061	KY 762 Extension	0-2 Years	Partially Funded	$57,000	Daviess		
WX21059028	Oklahoma Lafoon Road Water Line Extension	0-2 Years	Partially Funded	$36,400	Daviess		
WX21059063	Texas Gas Road Extension	0-2 Years	Partially Funded	$27,525	Daviess		
WX21059072	Poplar Spur Water Line Extension	0-2 Years	Partially Funded	$20,000	Daviess		

Hancock County



- 2010 census population of 8,565 (3,734 households) with 99% serviceable.
- Projected 2020 population of 8,843 (change of 278).
- Hancock County has 305.40 miles of existing water lines.
- 28.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,196,146.
- Estimated funding needs for projects from 6 to 10 years: $575,500.

Hancock County has a 2010 census population count of 8,565 (3,734 households) with a projected 2020 population count of 8,843 (3,502 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 40 serviceable households will be added through the construction of 28.00 miles of water line extensions and approximately 9,276 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Hawesville	3	$580,000	-	1,080	1.00	1.00	-
City of Lewisport	3	$383,481	-	2,175	2.00	1.00	-
East Daviess County Water Association Inc	6	$1,324,100	8	3,815	20.00	-	-
Hancock County Fiscal Court	7	$2,484,065	32	2,206	5.00	-	-
Totals:	**19**	**$4,771,646**	**40**	**9,276**	**28.00**	**2.00**	**-**

Community Drinking Water Systems in Hancock County

Note: Serviceability counts are for households within Hancock county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0460182	Hawesville Water Works	Hancock	2,731	1,181
KY0460248	Lewisport Municipal Water Works	Hancock	2,605	1,170
KY0300109	East Daviess County Water Association	Daviess	3,127	1,337
		Totals:	8,463	3,688

Kentucky Infrastructure Authority
January 04, 2019

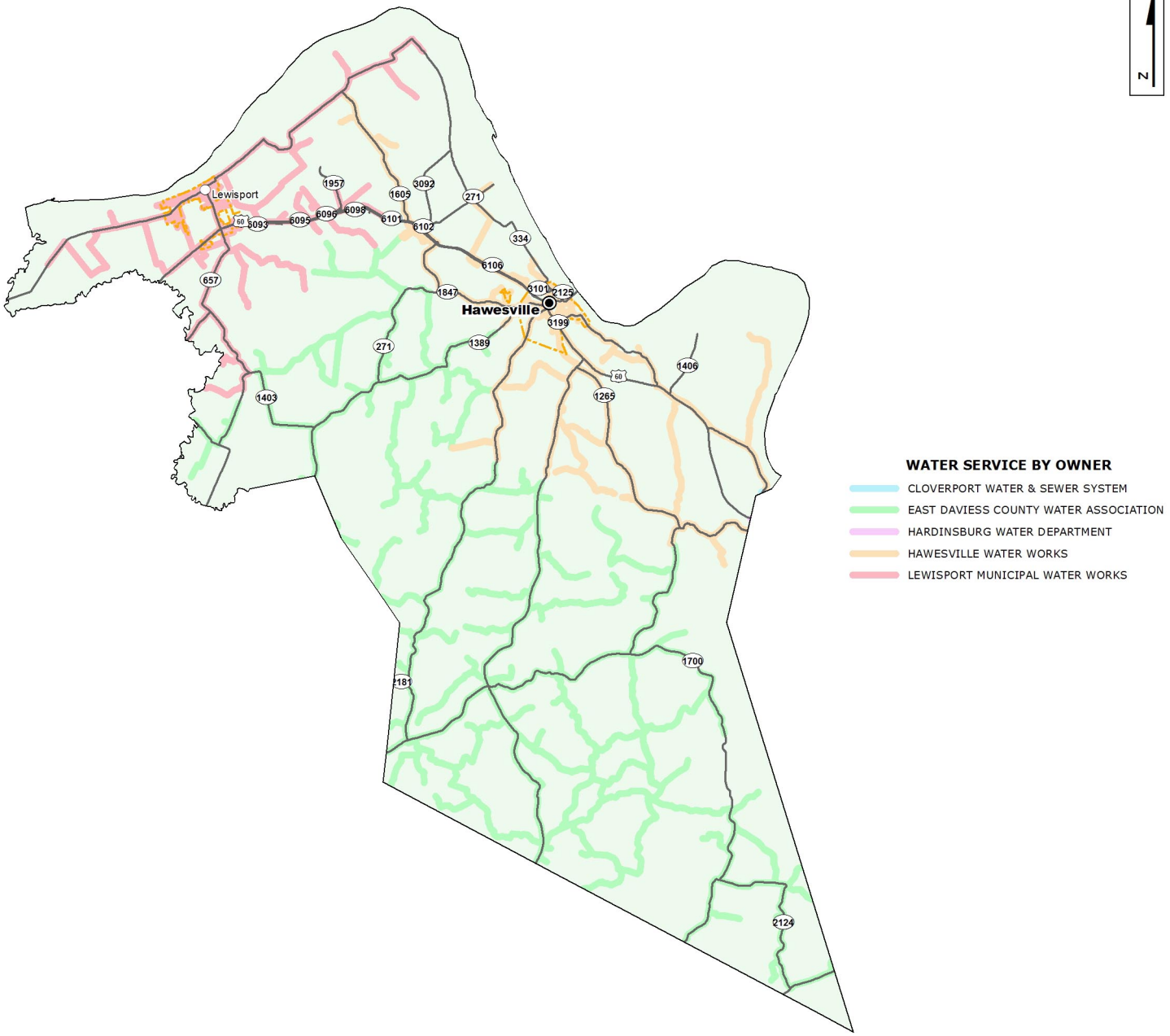
WATER SERVICE AREAS
HANCOCK COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Hawesville Water Works

PWSID	KY0460182	Treats Water	Yes, 1 plant with total capacity of 0.576 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$18.35 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$25.44 per 4,000 gallons.	Total Connections	1,104
Residential Customers	1,032	Total Produced (MG)	124.833
Commercial Customers	58	Total Purchased (MG)	-
Institutional Customers	5	Total Inside Usage (MG)	84.626
Industrial Customers	9	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 72.74 miles (Distribution: 71.21 miles, Transmission: 1.52 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hawesville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21091082	Hawesville Water Treatment Plant Upgrade	6-10 Years	Not Funded	$300,000	Hancock	14	1
WX21091089	Donna Lou/Faith Ann Line Upsizing project	3-5 Years	Not Funded	$100,000	Hancock	28	3
WX21091099	Coal Bank Hollow Water Main Replacement	0-2 Years	Not Funded	$180,000	Hancock	32	4
WX21091090	River Road Waterline Extension Project	3-5 Years	Not Funded	$130,000	Hancock		8
WX21091081	Tickridge Road Project	3-5 Years	Not Funded	$140,000	Hancock		11
WX21091087	Antoinette Estates Water Line Extension	3-5 Years	Not Funded	$500,000	Hancock		13
WX21091095	Lewisport Waterline Project	0-2 Years	Not Funded	$245,981	Hancock		17
WX21091086	Hawesville Water Surcharge Retirement	3-5 Years	Not Funded	$800,000	Hancock		18
WX21091076	Hawesville Debt Retirement	3-5 Years	Not Funded	$800,000	Hancock		19
WX21091056	Hawesville/Lewisport Emergency Interconnection	6-10 Years	Not Funded	$86,500	Hancock		21

System Summary for Lewisport Municipal Water Works

PWSID	KY0460248	Treats Water	Yes, 1 plant with total capacity of 0.420 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	9	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$22.27 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$34.56 per 4,000 gallons.	Total Connections	1,086
Residential Customers	977	Total Produced (MG)	79.256
Commercial Customers	106	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	76.418
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	4%

Total Distribution System Line Length = 59.00 miles (Distribution: 58.88 miles, Transmission: 0.12 miles).

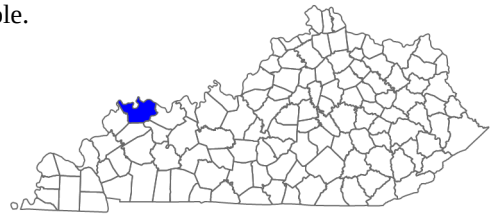
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lewisport Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21091095	Lewisport Waterline Project	0-2 Years	Not Funded	$245,981	Hancock		17
WX21091075	Lewisport/EDCWA Emergency Interconnect	6-10 Years	Not Funded	$51,000	Hancock		20
WX21091056	Hawesville/Lewisport Emergency Interconnection	6-10 Years	Not Funded	$86,500	Hancock		21

Henderson County

- 2010 census population of 46,250 (20,320 households) with 99% serviceable.
- Projected 2020 population of 47,600 (change of 1,350).
- Henderson County has 652.15 miles of existing water lines.
- 44.00 miles of line extensions proposed in the next 10 years.
- 42.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $44,820,785.
- Estimated funding needs for projects from 6 to 10 years: $1,200,000.



Henderson County has a 2010 census population count of 46,250 (20,320 households) with a projected 2020 population count of 47,600 (19,851 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 100 serviceable households will be added through the construction of 44.00 miles of water line extensions and approximately 37,558 instances of improved service through the rehabilitation of 42.00 miles of existing water lines and other appurtenances. 6.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Henderson County Fiscal Court	3	$3,101,788	1	6,300	1.00	-	-
Henderson County Water District	21	$13,918,997	83	10,673	27.00	41.00	6.00
Henderson Water Utility	4	$29,000,000	16	20,585	16.00	1.00	-
Totals:	**28**	**$46,020,785**	**100**	**37,558**	**44.00**	**42.00**	**6.00**

Community Drinking Water Systems in Henderson County

Note: Serviceability counts are for households within Henderson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0510189	Henderson County Water District	Henderson	15,515	6,244
KY0510188	Henderson Water Utility - North	Henderson	30,094	13,758
KY0300450	West Daviess County Water District	Daviess	34	13
		Totals:	45,643	20,015

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
HENDERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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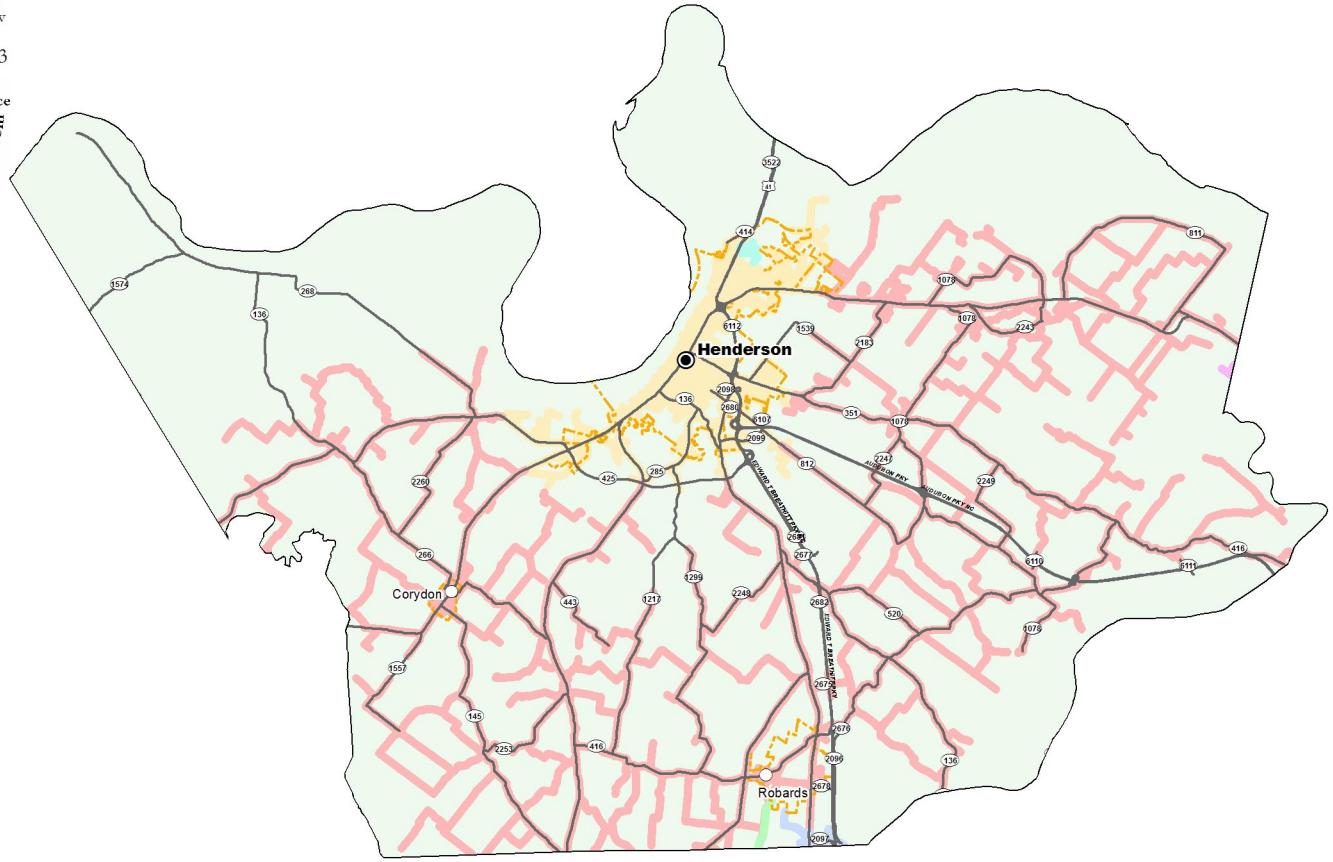


WATER SERVICE BY OWNER

- HENDERSON COUNTY WATER DISTRICT
- HENDERSON WATER UTILITY - NORTH
- HENDERSON WATER UTILITY - SOUTH
- JOHN JAMES AUDUBON STATE PARK
- WEBSTER COUNTY WATER DISTRICT
- WEST DAVIESS COUNTY WATER DISTRICT

System Summary for Henderson County Water District

PWSID	KY0510189	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$33.38 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	6,407
Residential Customers	6,140	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	388.417
Institutional Customers	267	Total Inside Usage (MG)	358.571
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 455.00 miles (Distribution: 455.00 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Henderson County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21101110	Hwy 351 Main Replacement	0-2 Years	Not Funded	$2,329,156	Henderson	20	3
WX21101065	Poole Mill Road Loop	3-5 Years	Not Funded	$46,000	Henderson	22	5
WX21101123	HCWD Whitelick Road Water Line Extension	6-10 Years	Not Funded	$94,500	Henderson		6
WX21101044	Trigg Hooper Water Line Extension	3-5 Years	Not Funded	$20,000	Henderson		7
WX21101047	Utley & Utley Road Water Line Extension	3-5 Years	Not Funded	$80,250	Henderson		8
WX21101059	Housebridge Road Water Line Extension #2	3-5 Years	Not Funded	$42,600	Henderson		9
WX21101115	Henderson County Fire Hydrant Project	3-5 Years	Not Funded	$3,000,000	Henderson		10
WX21101048	J.J. Utley Road Water Line Extension	3-5 Years	Not Funded	$61,600	Henderson		11
WX21101066	Shady Grove Knoblick Road Line Extension	3-5 Years	Not Funded	$45,000	Henderson		12
WX21101111	Hwy 136 W Main Replacement	3-5 Years	Not Funded	$717,307	Henderson		13
WX21101119	Cooper-Copper Road Waterline Extension	6-10 Years	Not Funded	$206,500	Henderson		14
WX21101040	Hwy 268 & Cooper-Cooper Road Water Line Extension	3-5 Years	Not Funded	$380,153	Henderson		15
WX21101125	Henderson County Water District Meter Replacement	0-2 Years	Partially Funded	$330,775	Henderson		16
WX21101050	Wilson Station Road Water Line Extension	3-5 Years	Not Funded	$71,235	Henderson		17
WX21101055	Cairo Hickory Grove Road Water Line Extension	3-5 Years	Not Funded	$36,500	Henderson		18
WX21101118	Robards-Busby Station Road Waterline Extension	6-10 Years	Not Funded	$675,000	Henderson		19
WX21101120	Ed Otey Rd Waterline Extension	6-10 Years	Not Funded	$178,500	Henderson		20
WX21101126	Henderson County Water District Scattered Lines Project	0-2 Years	Not Funded	$2,254,200	Henderson		

System Summary for Henderson Water Utility - North

PWSID	KY0510188	Treats Water	Yes, 1 plant with total capacity of 12.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	85	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$14.70 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 7.000 MG.
Outside Mun. Cost	$36.79 per 4,000 gallons.	Total Connections	9,324
Residential Customers	9,324	Total Produced (MG)	2,253.308
Commercial Customers	955	Total Purchased (MG)	-
Institutional Customers	91	Total Inside Usage (MG)	1,305.623
Industrial Customers	55	Total Wholesale Sold (MG)	351.280
Wholesale Customers	1	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 209.83 miles (Distribution: 209.44 miles, Transmission: 0.39 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Henderson Water Utility - North

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21101116	Henderson Riverport Infrastructure Extension, Water Line	0-2 Years	Not Funded	$66,788	Henderson	18	1
WX21101025	Main Street Water Main Replacement	3-5 Years	Not Funded	$6,750,000	Henderson		
WX21101001	North System Improvements	3-5 Years	Not Funded	$2,100,000	Henderson		
WX21101121	Riverport / Ohio Drive Water Main Loop	0-2 Years	Not Funded	$275,000	Henderson		

System Summary for Henderson Water Utility - South

PWSID	KY0510510	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	85	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$14.70 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$36.79 per 4,000 gallons.	Total Connections	2
Residential Customers	11	Total Produced (MG)	1,052.265
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	702.524
Industrial Customers	1	Total Wholesale Sold (MG)	153.270
Wholesale Customers	3	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 11.90 miles (Distribution: 3.10 miles, Transmission: 8.80 miles).			

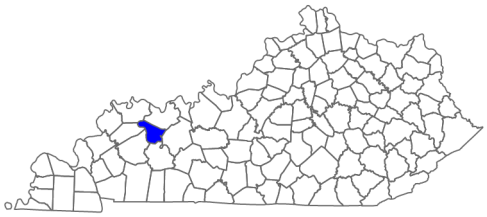
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Henderson Water Utility - South

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21101009	HWU - South Water Treatment Plant Expansion	3-5 Years	Not Funded	$3,500,000	Henderson	19	2
WX21101004	Green River Supplemental Supply	3-5 Years	Not Funded	$16,650,000	Henderson	21	4

McLean County

- 2010 census population of 9,531 (4,264 households) with 96% serviceable.
- Projected 2020 population of 9,271 (change of -260).
- McLean County has 330.65 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,969,358.
- Estimated funding needs for projects from 6 to 10 years: $2,212,000.



McLean County has a 2010 census population count of 9,531 (4,264 households) with a projected 2020 population count of 9,271 (3,821 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 161 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 14,725 instances of improved service through system wide upgrades. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Calhoun	4	$10,202,000	-	1,170	-	-	-
City of Island	1	$1,500,000	120	-	4.00	-	-
City of Livermore	1	$201,908	-	400	-	-	-
City of Sacramento	4	$953,880	5	1,658	3.00	-	-
Daviess County Fiscal Court	1	$46,420	-	-	-	-	-
McLean County Fiscal Court	6	$2,789,150	36	10,222	5.00	-	3.00
North McLean County Water District	1	$1,488,000	-	1,275	-	-	-
Totals:	**18**	**$17,181,358**	**161**	**14,725**	**12.00**	**-**	**3.00**

Community Drinking Water Systems in McLean County

Note: Serviceability counts are for households within McLean county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0750529	Beech Grove Water Association	McLean	1,013	453
KY0750055	Calhoun Water Works	McLean	965	490
KY0750207	Island Water Department	McLean	1,039	464
KY0750252	Livermore Water Works	McLean	1,412	674
KY0300320	North McLean County Water District	McLean	2,794	1,156
KY0750907	Sacramento Water Works	McLean	1,822	824
KY0300450	West Daviess County Water District	Daviess	26	11
KY0920332	Ohio County Water District	Ohio	29	12
		Totals:	9,100	4,084

Kentucky Infrastructure Authority
January 04, 2019

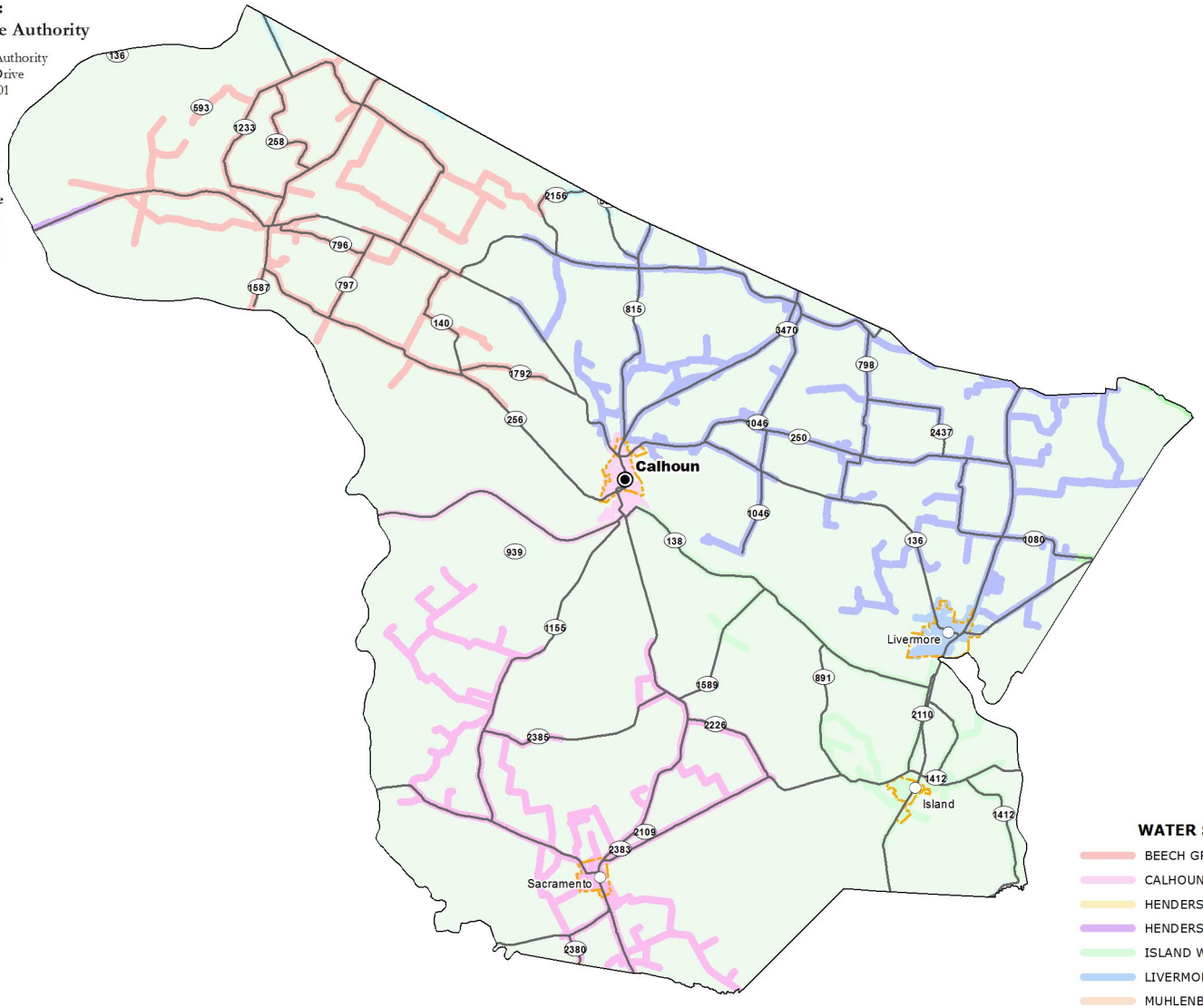
WATER SERVICE AREAS
MCLEAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BEECH GROVE WATER ASSOCIATION
- CALHOUN WATER WORKS
- HENDERSON COUNTY WATER DISTRICT
- HENDERSON WATER UTILITY - SOUTH
- ISLAND WATER DEPARTMENT
- LIVERMORE WATER WORKS
- MUHLENBERG COUNTY WATER DISTRICT #3
- NORTH MCLEAN COUNTY WATER DISTRICT
- OHIO COUNTY WATER DISTRICT
- SACRAMENTO WATER WORKS
- WEST DAVIESS COUNTY WATER DISTRICT

System Summary for Beech Grove Water Association

PWSID	KY0750529	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$27.50 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	576
Residential Customers	522	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	83.902
Institutional Customers	-	Total Inside Usage (MG)	79.182
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 80.83 miles (Distribution: 76.34 miles, Transmission: 4.48 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Beech Grove Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149066	Highway 593 Booster Pump Station	0-2 Years	Not Funded	$158,400	McLean	17	2
WX21149005	Beech Grove Water System Storage Tank Addition	0-2 Years	Not Funded	$1,305,650	McLean	23	3
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149051	KY 593 Extension	6-10 Years	Not Funded	$600,000	McLean		

System Summary for Calhoun Water Works

PWSID	KY0750055	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$29.30 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$29.30 per 4,000 gallons.	Total Connections	475
Residential Customers	388	Total Produced (MG)	69.327
Commercial Customers	49	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	87.453
Industrial Customers	-	Total Wholesale Sold (MG)	66.976
Wholesale Customers	2	Estimated Pct. Water Loss	-123%

Total Distribution System Line Length = 20.68 miles (Distribution: 18.07 miles, Transmission: 2.60 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Calhoun Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149059	Pack Schoolhouse Road	0-2 Years	Not Funded	$427,000	McLean	11	1
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149007	Calhoun Water Treatment Plant Upgrade	3-5 Years	Not Funded	$10,000,000	McLean		
WX21149041	Sacramento - Calhoun Interconnect	3-5 Years	Not Funded	$550,000	McLean		
WX21149062	Second Street Water Line Replacement Project	6-10 Years	Not Funded	$112,000	McLean		
WX21149036	Calhoun Meter Replacement Project	3-5 Years	Not Funded	$50,000	McLean		
WX21149031	Calhoun Raw Water Pump Replacement	3-5 Years	Not Funded	$40,000	McLean		

System Summary for Island Water Department

PWSID	KY0750207	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$38.62 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$44.82 per 4,000 gallons.	Total Connections	483
Residential Customers	468	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	13.496
Institutional Customers	-	Total Inside Usage (MG)	25.130
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-86%

Total Distribution System Line Length = 33.26 miles (Distribution: 33.00 miles, Transmission: 0.27 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Island Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149047	Fox Hollow Water Tank	6-10 Years	Not Funded	$1,500,000	McLean		
WX21149041	Sacramento - Calhoun Interconnect	3-5 Years	Not Funded	$550,000	McLean		

System Summary for Livermore Water Works

PWSID	KY0750252	Treats Water	Yes, 1 plant with total capacity of 0.495 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$39.41 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$45.77 per 4,000 gallons.	Total Connections	606
Residential Customers	546	Total Produced (MG)	46.986
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	33.756
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 14.02 miles (Distribution: 13.97 miles, Transmission: 0.05 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Livermore Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149043	Livermore Meter Replacement Project	3-5 Years	Not Funded	$201,908	McLean		

System Summary for McLean County Regional Water Commission

PWSID	KY0753505	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type		Groundwater Source	No
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	

Total Distribution System Line Length = 0.00 miles (Distribution: 0.00 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for McLean County Regional Water Commission

System Summary for McLean County Regional Water Commission

PWSID	KYPENDING0011	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Regional Water Commission	Groundwater Source	No
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	
Total Distribution System Line Length = 0.00 miles (Distribution: 0.00 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for McLean County Regional Water Commission

System Summary for North McLean County Water District

PWSID	KY0300320	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$29.09 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,306
Residential Customers	1,272	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	81.417
Institutional Customers	-	Total Inside Usage (MG)	94.914
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-17%

Total Distribution System Line Length = 111.87 miles (Distribution: 109.30 miles, Transmission: 2.57 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North McLean County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149022	431 Tank Project	0-2 Years	Partially Funded	$1,488,000	McLean	24	4
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149018	Troutman Hills Road Water Line Extension	3-5 Years	Partially Funded	$159,000	McLean		

System Summary for Sacramento Water Works

PWSID	KY0750907	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$38.75 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$49.48 per 4,000 gallons.	Total Connections	816
Residential Customers	759	Total Produced (MG)	-
Commercial Customers	53	Total Purchased (MG)	52.724
Institutional Customers	-	Total Inside Usage (MG)	47.046
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 73.92 miles (Distribution: 68.46 miles, Transmission: 5.46 miles).

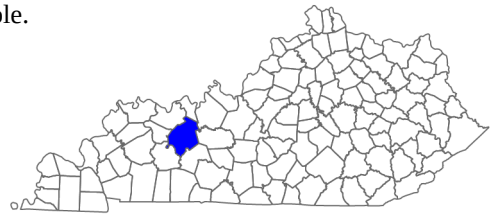
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Sacramento Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149059	Pack Schoolhouse Road	0-2 Years	Not Funded	$427,000	McLean	11	1
WX21149058	Sacramento Water Meter Replacement	3-5 Years	Not Funded	$150,000	McLean	25	5
WX21149037	Garrett Street Water Line Improvements Project	3-5 Years	Not Funded	$53,880	McLean		7
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149041	Sacramento - Calhoun Interconnect	3-5 Years	Not Funded	$550,000	McLean		
WX21149004	Sacramento Tank Repainting	3-5 Years	Not Funded	$200,000	McLean		

Ohio County

- 2010 census population of 23,842 (10,219 households) with 97% serviceable.
- Projected 2020 population of 24,781 (change of 939).
- Ohio County has 754.19 miles of existing water lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,579,750.
- Estimated funding needs for projects from 6 to 10 years: $157,000.



Ohio County has a 2010 census population count of 23,842 (10,219 households) with a projected 2020 population count of 24,781 (9,786 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 39 serviceable households will be added through the construction of 8.00 miles of water line extensions and approximately 5,902 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Fordsville	2	$664,050	-	441	-	-	-
City of Hartford	2	$1,474,000	22	59	-	2.00	-
East Daviess County Water Association Inc	4	$598,700	17	5,402	8.00	-	-
Totals:	**8**	**$2,736,750**	**39**	**5,902**	**8.00**	**2.00**	**-**

Community Drinking Water Systems in Ohio County

Note: Serviceability counts are for households within Ohio county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0920025	Beaver Dam Municipal Water & Sewer System	Ohio	3,631	1,543
KY0920070	Centertown Water System	Ohio	1,177	492
KY0920136	Fordsville Water Works	Ohio	927	427
KY0920181	Hartford Municipal Water Works	Ohio	2,720	1,181
KY0920332	Ohio County Water District	Ohio	13,201	5,640
KY0300109	East Daviess County Water Association	Daviess	1,379	587
KY0300467	Whitesville Water Works	Daviess	143	55
		Totals:	23,178	9,925

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
OHIO COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
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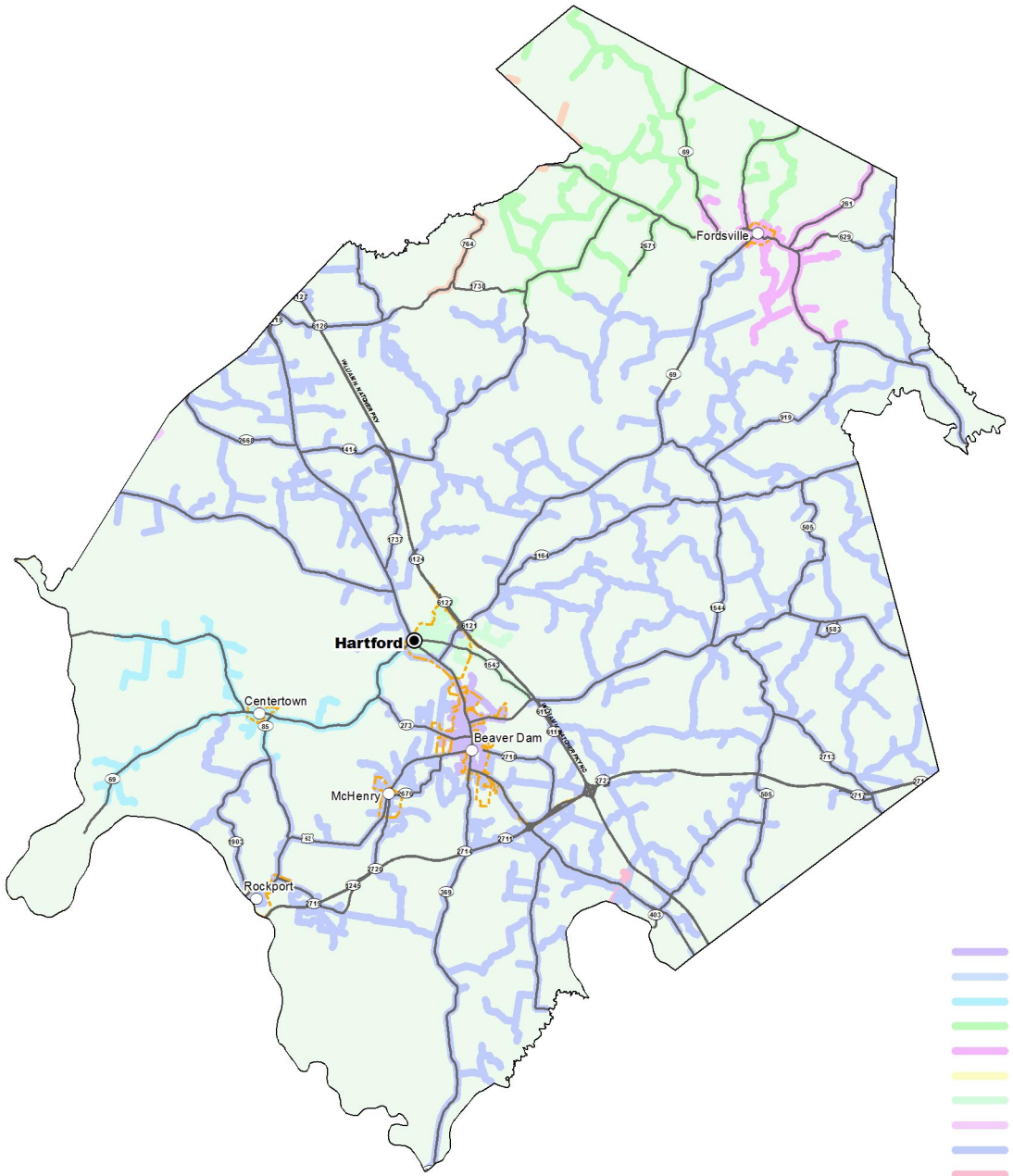
January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- BEAVER DAM MUNICIPAL WATER & SEWER SYSTEM
- BUTLER COUNTY WATER SYSTEM
- CENTERTOWN WATER SYSTEM
- EAST DAVIESS COUNTY WATER ASSOCIATION
- FORDSVILLE WATER WORKS
- GRAYSON COUNTY WATER DISTRICT
- HARTFORD MUNICIPAL WATER WORKS
- NORTH MCLEAN COUNTY WATER DISTRICT
- OHIO COUNTY WATER DISTRICT
- PERDUE FARMS INC
- WHITESVILLE WATER WORKS

System Summary for Beaver Dam Municipal Water & Sewer System

PWSID	KY0920025	Treats Water	Yes, 1 plant with total capacity of 0.075 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 1 source.
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$23.30 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$40.60 per 4,000 gallons.	Total Connections	1,577
Residential Customers	1,343	Total Produced (MG)	22.230
Commercial Customers	198	Total Purchased (MG)	93.038
Institutional Customers	-	Total Inside Usage (MG)	119.856
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-4%

Total Distribution System Line Length = 33.33 miles (Distribution: 33.33 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Beaver Dam Municipal Water & Sewer System

System Summary for Centertown Water System

PWSID	KY0920070	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$41.24 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	525
Residential Customers	519	Total Produced (MG)	-
Commercial Customers	4	Total Purchased (MG)	36.700
Institutional Customers	-	Total Inside Usage (MG)	35.423
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 45.06 miles (Distribution: 45.06 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Centertown Water System

System Summary for Fordsville Water Works

PWSID	KY0920136	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.42 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$37.42 per 4,000 gallons.	Total Connections	420
Residential Customers	419	Total Produced (MG)	-
Commercial Customers	29	Total Purchased (MG)	43.160
Institutional Customers	-	Total Inside Usage (MG)	31.827
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 30.11 miles (Distribution: 30.11 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Fordsville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21183047	Fordsville Water Tank Rehab Project	0-2 Years	Not Funded	$417,500	Ohio	16	3
WX21183033	Fordsville Water Loss Project	0-2 Years	Not Funded	$246,550	Ohio		

System Summary for Hartford Municipal Water Works

PWSID	KY0920181	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$27.77 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$43.98 per 4,000 gallons.	Total Connections	953
Residential Customers	946	Total Produced (MG)	134.212
Commercial Customers	160	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	108.231
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 30.04 miles (Distribution: 29.81 miles, Transmission: 0.23 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hartford Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21183021	Oak Wood Drive Water Main Replacement	6-10 Years	Not Funded	$132,000	Ohio	26	4
WX21183013	Hartford Water System Improvements	3-5 Years	Not Funded	$1,342,000	Ohio		

System Summary for Ohio County Water District

PWSID	KY0920332	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	19	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$38.69 per 4,000 gallons.	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	5,883
Residential Customers	5,773	Total Produced (MG)	794.552
Commercial Customers	105	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	366.438
Industrial Customers	-	Total Wholesale Sold (MG)	195.071
Wholesale Customers	5	Estimated Pct. Water Loss	29%
Total Distribution System Line Length = 609.71 miles (Distribution: 606.61 miles, Transmission: 3.10 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Ohio County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21183038	Rochester Dam Critical Repair Project	0-2 Years	Not Funded	$3,750,000	Ohio	2	1

System Summary for Rochester Dam Regional Water Commission

PWSID	KYPENDING0013	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	County Fiscal Court	Groundwater Source	No
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	
Total Distribution System Line Length = 0.00 miles (Distribution: 0.00 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Rochester Dam Regional Water Commission

Union County

- 2010 census population of 15,007 (6,141 households) with 97% serviceable.
- Projected 2020 population of 14,436 (change of -571).
- Union County has 504.12 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,055,885.
- Estimated funding needs for projects from 6 to 10 years: $575,000.

Union County has a 2010 census population count of 15,007 (6,141 households) with a projected 2020 population count of 14,436 (5,463 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 6,818 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Morganfield	2	$661,285	-	4,000	-	-	-
City of Uniontown	1	$314,350	-	518	-	-	-
Henderson County Water District	1	$80,250	1	-	1.00	-	-
Union County Water District	1	$575,000	-	2,300	-	-	-
Totals:	**5**	**$1,630,885**	**1**	**6,818**	**1.00**	**-**	**-**

Community Drinking Water Systems in Union County

Note: Serviceability counts are for households within Union county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1130293	Morganfield Water Works	Union	5,548	1,906
KY1130422	Sturgis Water Works	Union	2,509	1,219
KY1130433	Union County Water District	Union	5,346	2,294
KY1130434	Uniontown Water & Sewer Department	Union	1,131	518
		Totals:	14,534	5,937

Kentucky Infrastructure Authority
January 04, 2019

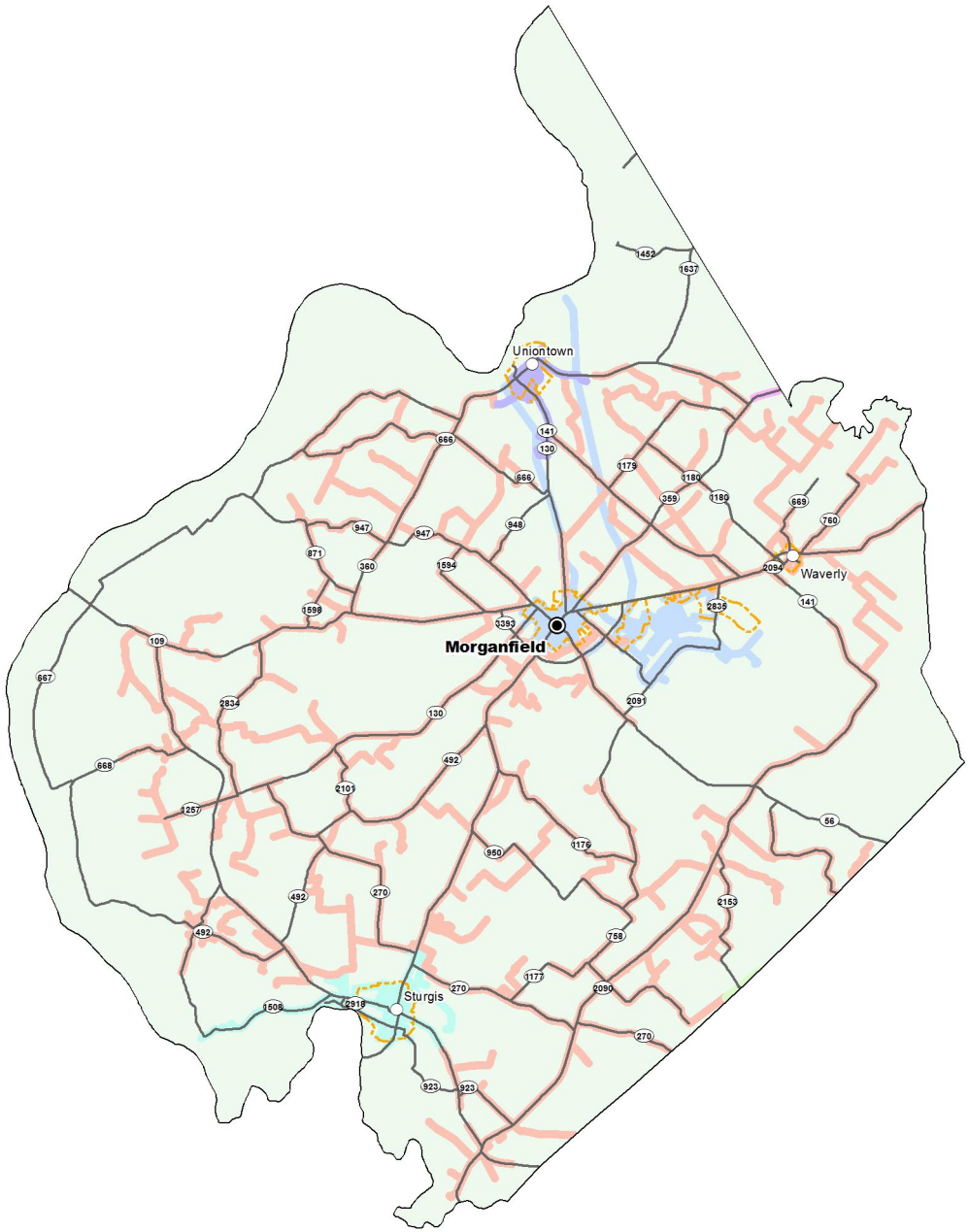
WATER SERVICE AREAS
UNION COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- HENDERSON COUNTY WATER DISTRICT
- MORGANFIELD WATER WORKS
- STURGIS WATER WORKS
- UNION COUNTY WATER DISTRICT
- UNIONTOWN WATER & SEWER DEPARTMENT
- WEBSTER COUNTY WATER DISTRICT

System Summary for Morganfield Water Works

PWSID	KY1130293	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	12	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$21.49 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$32.25 per 4,000 gallons.	Total Connections	1,905
Residential Customers	1,605	Total Produced (MG)	562.398
Commercial Customers	300	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	153.783
Industrial Customers	11	Total Wholesale Sold (MG)	398.859
Wholesale Customers	2	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 87.22 miles (Distribution: 75.00 miles, Transmission: 12.22 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Morganfield Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21225040	Morganfield Radio Read Meter Project	3-5 Years	Not Funded	$425,000	Union		6
WX21225045	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	$236,285	Union		

System Summary for Sturgis Water Works

PWSID	KY1130422	Treats Water	Yes, 1 plant with total capacity of 1.200 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$40.18 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$42.46 per 4,000 gallons.	Total Connections	1,049
Residential Customers	952	Total Produced (MG)	30.762
Commercial Customers	97	Total Purchased (MG)	33.607
Institutional Customers	-	Total Inside Usage (MG)	37.749
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	41%
Total Distribution System Line Length = 40.57 miles (Distribution: 31.31 miles, Transmission: 9.26 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Sturgis Water Works

System Summary for Union County Water District

PWSID	KY1130433	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$26.73 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 10 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,161
Residential Customers	2,161	Total Produced (MG)	-
Commercial Customers	67	Total Purchased (MG)	366.898
Institutional Customers	-	Total Inside Usage (MG)	300.058
Industrial Customers	23	Total Wholesale Sold (MG)	33.607
Wholesale Customers	2	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 361.77 miles (Distribution: 361.77 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Union County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21225041	UCWD Radio Read Meter Project	6-10 Years	Not Funded	$575,000	Union		7

System Summary for Uniontown Water & Sewer Department

PWSID	KY1130434	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$18.10 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$40.76 per 4,000 gallons.	Total Connections	532
Residential Customers	519	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	31.961
Institutional Customers	-	Total Inside Usage (MG)	21.417
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%

Total Distribution System Line Length = 13.99 miles (Distribution: 13.99 miles, Transmission: 0.00 miles).

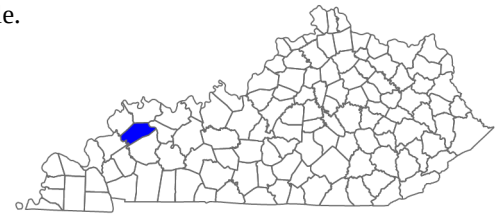
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Uniontown Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21225048	Uniontown New Booster Pump Station Project	0-2 Years	Partially Funded	$314,350	Union		

Webster County

- 2010 census population of 13,621 (5,936 households) with 97% serviceable.
- Projected 2020 population of 13,399 (change of -222).
- Webster County has 491.47 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 27.00 miles of line rehabilitation proposed in the next 10 years.
- 35.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,657,309.
- Estimated funding needs for projects from 6 to 10 years: $12,672,500.



Webster County has a 2010 census population count of 13,621 (5,936 households) with a projected 2020 population count of 13,399 (5,292 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 477 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 15,426 instances of improved service through the rehabilitation of 27.00 miles of existing water lines and other appurtenances. 35.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Clay	3	$733,192	-	1,128	-	2.00	-
City of Dixon	1	$377,500	-	22	-	1.00	-
City of Providence	5	$9,466,545	200	5,284	4.00	20.00	-
City of Sebree	2	$115,732	1	650	-	-	-
City of Slaughters	1	$200,000	271	-	-	-	-
Henderson County Water District	2	$91,000	-	23	2.00	2.00	-
North Hopkins Water District	1	$1,140,000	-	-	3.00	-	-
Webster County Fiscal Court	1	$230,000	-	33	-	2.00	-
Webster County Water District	5	$5,975,840	5	8,286	3.00	-	35.00
Totals:	**21**	**$18,329,809**	**477**	**15,426**	**12.00**	**27.00**	**35.00**

Community Drinking Water Systems in Webster County

Note: Serviceability counts are for households within Webster county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1170073	Clay Water Works	Webster	1,287	557
KY1170104	Dixon Water Department	Webster	768	256
KY1170361	Providence Water Works	Webster	3,579	1,770
KY1170388	Sebree Water Department	Webster	1,660	625
KY1170400	Slaughters Water Works	Webster	296	133
KY1170995	Webster County Water District	Webster	5,129	2,186
KY0510189	Henderson County Water District	Henderson	485	215
		Totals:	13,204	5,742

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
WEBSTER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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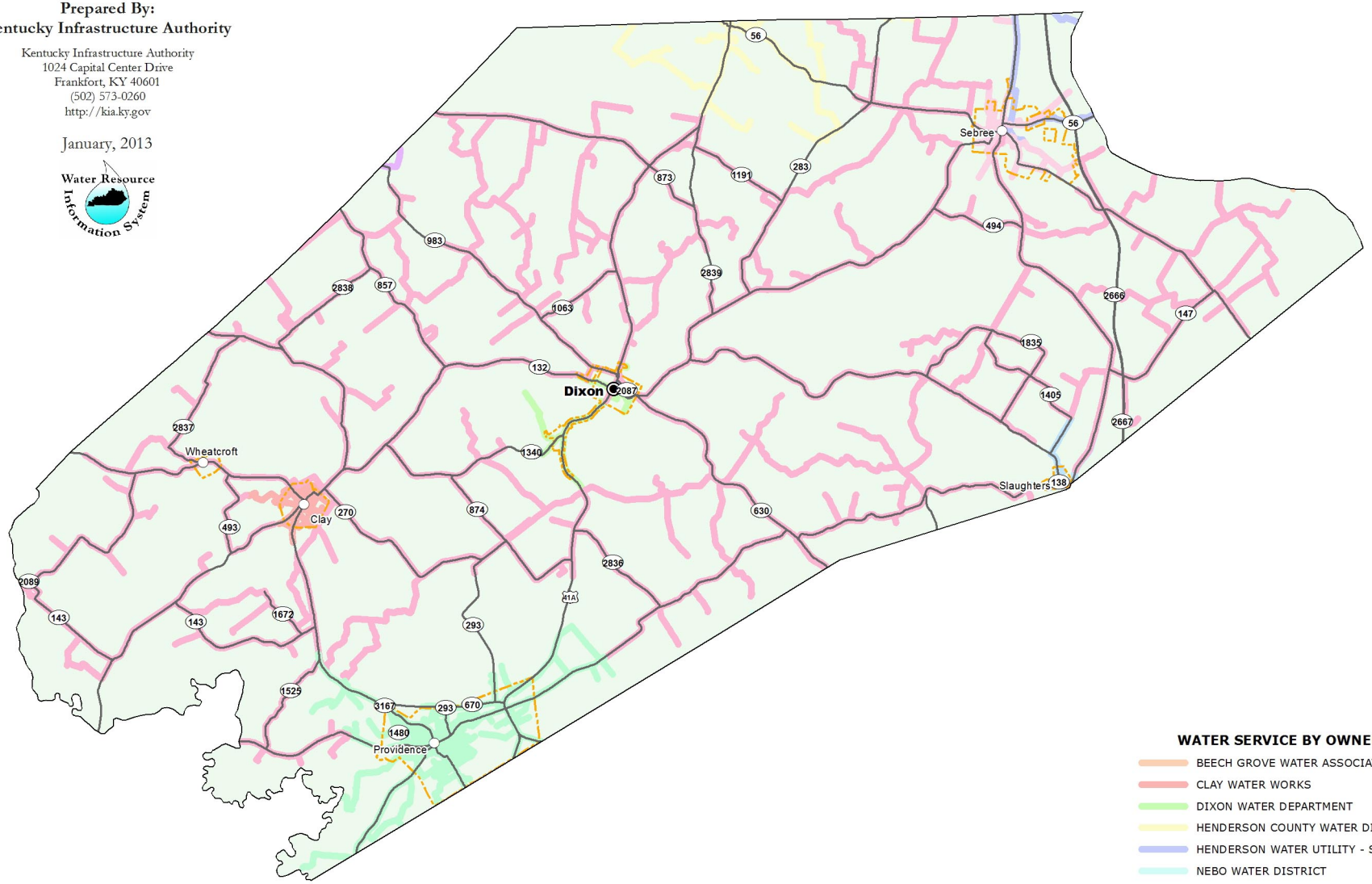
Water Resource Information System



WATER SERVICE BY OWNER

- BEECH GROVE WATER ASSOCIATION
- CLAY WATER WORKS
- DIXON WATER DEPARTMENT
- HENDERSON COUNTY WATER DISTRICT
- HENDERSON WATER UTILITY - SOUTH
- NEBO WATER DISTRICT
- PROVIDENCE WATER WORKS
- SEBREE WATER DEPARTMENT
- SLAUGHTERS WATER WORKS
- UNION COUNTY WATER DISTRICT
- WEBSTER COUNTY WATER DISTRICT

System Summary for Clay Water Works

PWSID	KY1170073	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.50 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$37.50 per 4,000 gallons.	Total Connections	577
Residential Customers	544	Total Produced (MG)	-
Commercial Customers	33	Total Purchased (MG)	35.679
Institutional Customers	-	Total Inside Usage (MG)	31.640
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 12.85 miles (Distribution: 12.85 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Clay Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21233105	Clay Stand Pipe Mixing Valve	3-5 Years	Not Funded	$30,000	Webster		9
WX21233090	Hwy 132 - Hwy 109 S. Water Line Replacement and West Elm Replace	0-2 Years	Partially Funded	$565,692	Webster		
WX21233101	East Railroad & 2nd Street Rebuild	0-2 Years	Not Funded	$137,500	Webster		

System Summary for Dixon Water Department

PWSID	KY1170104	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$36.00 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	$53.00 per 4,000 gallons.	Total Connections	418
Residential Customers	392	Total Produced (MG)	-
Commercial Customers	27	Total Purchased (MG)	39.587
Institutional Customers	-	Total Inside Usage (MG)	30.817
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 10.78 miles (Distribution: 7.77 miles, Transmission: 3.01 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Dixon Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21233023	Dixon Water Line Upgrade	0-2 Years	Not Funded	$377,500	Webster	5	2

System Summary for Providence Water Works

PWSID	KY1170361	Treats Water	Yes, 1 plant with total capacity of 1.500 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$22.43 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$34.23 per 4,000 gallons.	Total Connections	1,494
Residential Customers	1,434	Total Produced (MG)	216.000
Commercial Customers	50	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	108.735
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	50%
Total Distribution System Line Length = 67.92 miles (Distribution: 64.81 miles, Transmission: 3.11 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Providence Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21233024	Providence Water System Improvements	0-2 Years	Not Funded	$766,545	Webster	6	3
WX21233095	Providence Line Extension	6-10 Years	Not Funded	$1,000,000	Webster	27	5
WX21233051	Providence Waterline Rehab Project	6-10 Years	Not Funded	$2,000,000	Webster		8
WX21233056	Providence Cast Iron Pipe Rehab	6-10 Years	Not Funded	$4,500,000	Webster		10
WX21233058	WCWD/Providence Interconnection	3-5 Years	Not Funded	$230,000	Webster		11
WX21233060	Providence Water Treatment Plant Loan Payoff	3-5 Years	Not Funded	$1,200,000	Webster		

System Summary for Sebree Water Department

PWSID	KY1170388	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$36.93 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$39.27 per 4,000 gallons.	Total Connections	633
Residential Customers	574	Total Produced (MG)	-
Commercial Customers	59	Total Purchased (MG)	39.885
Institutional Customers	-	Total Inside Usage (MG)	39.236
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 23.45 miles (Distribution: 23.42 miles, Transmission: 0.03 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Sebree Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21233012	City of Sebree Computer Upgrade Project	3-5 Years	Not Funded	$15,000	Webster		7
WX21233019	Sebree Highway 370 Water Line Extension	0-2 Years	Not Funded	$100,732	Webster		

System Summary for Slaughters Water Works

PWSID	KY1170400	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$45.00 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	$45.00 per 4,000 gallons.	Total Connections	252
Residential Customers	239	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	16.489
Institutional Customers	-	Total Inside Usage (MG)	13.827
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 12.77 miles (Distribution: 12.77 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Slaughters Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21233005	Slaughters Water Meter Replacement Project	3-5 Years	Not Funded	$200,000	Webster		6

System Summary for Webster County Water District

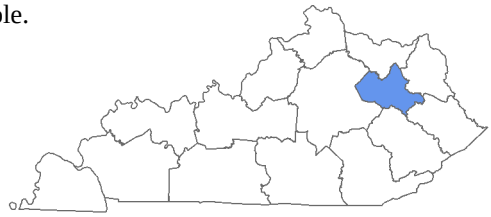
PWSID	KY1170995	Treats Water	Yes, 1 plant with total capacity of 3.600 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	No
Non-Municipal Cost	$33.40 per 4,000 gallons.	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,064
Residential Customers	1,934	Total Produced (MG)	369.000
Commercial Customers	36	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	233.751
Industrial Customers	8	Total Wholesale Sold (MG)	91.755
Wholesale Customers	5	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 348.36 miles (Distribution: 343.20 miles, Transmission: 5.16 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Webster County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21233009	Webster County Water District Water Tank Maintenance/ Mixing System	3-5 Years	Not Funded	$500,000	Webster	4	1
WX21233102	Reworking Mt. Pleasant to Dixon Pumpstation	0-2 Years	Not Funded	$80,000	Webster	15	4
WX21233058	WCWD/Providence Interconnection	3-5 Years	Not Funded	$230,000	Webster		11
WX21233032	WCWD Long Term System Improvements	6-10 Years	Not Funded	$5,172,500	Webster		
WX21233062	Crowder Road Extension	3-5 Years	Not Funded	$173,340	Webster		
WX21233007	Webster County Water District Water Plant Instrument Improvement	0-2 Years	Not Funded	$50,000	Webster		

Gateway Area Development District (GWADD)



- 2010 census population of 81,652 (36,780 households) with 97% serviceable.
- Projected 2020 population of 87,651 (change of 5,999).
- 1,909.45 miles of existing water lines.
- 33.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $42,396,200.
- Estimated funding needs for projects from 6 to 10 years: $6,687,700.
- Average age of structures: water treatment plants is 40 years; water tanks is 24 years.
- Total number of interconnected systems is 30.
- 27 miles of asbestos concrete pipe currently in use.
- 464 miles of water lines less than 15 years old.
- 852 miles of water lines between 15 and 30 years old.
- 687 miles of water lines between 31 and 50 years old.
- 137 miles of water lines between 51 and 70 years old.
- 14 miles of water lines greater than 70 years old.

Gateway Area Development District has a 2010 census population count of 81,652 (36,780 households) with a projected 2020 population count of 87,651 (34,583 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 223 serviceable households will be added through the construction of 33.00 miles of water line extensions and approximately 190,163 instances of improved service through the rehabilitation of 17.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this district.

County Summary for Gateway Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bath	11,591	5,405	12,132	5,006	5,195	96%	$ 4,573,525
Menifee	6,306	3,744	6,038	2,422	3,585	96%	$ 2,760,500
Montgomery	26,499	11,699	30,750	12,483	11,661	100%	$ 6,752,320
Morgan	13,923	5,830	14,023	5,126	5,382	92%	$ 3,119,555
Rowan	23,333	10,102	24,708	9,546	9,965	99%	$ 31,878,000
Totals	**81,652**	**36,780**	**87,651**	**34,583**	**35,788**	**97%**	**$ 49,083,900**

Kentucky Infrastructure Authority
January 04, 2019

EXISTING & PROPOSED WATER LINES

GWADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Community Water Systems in Gateway Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0060022	Bath County Water District	Bath	8,936	4,029
KY0060338	City of Owingsville	Bath	1,932	966
KY0060392	Sharpsburg Water District	Bath	3,269	1,466
KY0830148	City of Frenchburg	Menifee	5,401	3,387
KY0870212	City of Jeffersonville	Montgomery	4,640	2,021
KY0870147	Judy Water Association	Montgomery	4,623	1,946
KY0870246	Levee Road Water Association, Inc	Montgomery	2,163	916
KY0870290	Montgomery County Water District #1	Montgomery	1,815	756
KY0870298	Mount Sterling Water and Sewer	Montgomery	11,989	5,517
KY0870367	Reid Village Water District	Montgomery	2,547	1,082
KY0880452	City of West Liberty	Morgan	3,431	855
KY0880594	Morgan County Water District	Morgan	8,859	4,107
KY1030480	Morehead State University	Rowan	1,707	166
KY1030292	Morehead Utility Plant Board	Rowan	8,074	3,636
KY1030375	Rowan Water, Inc	Rowan	16,113	7,491
		Totals:	85,499	38,341

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21175009	Water Quality Improvements Project	0-2 Years	Not Funded	$1,500,000	Morgan	1	1
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	$28,428,000	Rowan	2	1
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Not Funded	$1,171,350	Menifee	3	1
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	$170,600	Morgan	4	2
WX21205049	Rowan Water Inc. Radio Read Meter Replacement Project	0-2 Years	Not Funded	$1,700,000	Rowan	5	2
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	$500,000	Bath	6	1
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	$900,000	Rowan	7	3
WX21173160	Levee Road Water Association System Improvements Project	0-2 Years	Not Funded	$1,069,675	Montgomery	8	1
WX21165020	Water Treatment Plant SCADA Project	0-2 Years	Not Funded	$66,000	Menifee	9	2
WX21173125	City of Jeffersonville Welch Road Project - Phase II	0-2 Years	Not Funded	$250,000	Montgomery	10	2
WX21011013	Waterline Replacement Project	3-5 Years	Not Funded	$1,035,000	Bath	11	2
WX21173149	Reid Village Water District Meter Replacement Project	3-5 Years	Not Funded	$100,000	Montgomery	12	3
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	$200,000	Montgomery	13	4
WX21011037	City of Owingsville Radio Read Meter Installation Project	0-2 Years	Not Funded	$323,075	Bath	14	3
WX21173123	Montgomery County Water District No. 1 Equipment Project	0-2 Years	Not Funded	$300,000	Montgomery	15	5
WX21173065	Mt. Sterling Water & Sewer System South Queen Project	3-5 Years	Not Funded	$326,000	Montgomery	16	6
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	$91,150	Menifee	17	3
WX21173121	Judy Water Association Water Tank Inspection Project	3-5 Years	Not Funded	$100,000	Montgomery	18	7
WX21173074	Devonne Pump Station Pump Replacement	3-5 Years	Not Funded	$28,600	Montgomery	19	8
WX21011016	Bath County Water District Standby Power Generator Project	6-10 Years	Not Funded	$120,000	Bath	20	4
WX21173154	460/Queen Street Waterline Replacement Project	3-5 Years	Not Funded	$150,000	Montgomery	21	9
WX21173161	Levee Road Water Association Meter Settings Replacement Project	3-5 Years	Not Funded	$475,000	Montgomery	22	10
WX21011027	Bath County Water District Scattered Site System Improvement Project	3-5 Years	Not Funded	$140,000	Bath	23	5
WX21175037	Countywide Waterline Extensions	6-10 Years	Not Funded	$1,239,355	Morgan	24	3
WX21011009	Sharpsburg Water District Rich Lan Road Waterline Extension Project	0-2 Years	Not Funded	$181,150	Bath	25	6
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	6-10 Years	Not Funded	$1,432,000	Menifee	26	4
WX21173101	Montgomery County Water District No. 1 System Improvement Project	11-20 Years	Not Funded	$300,000	Montgomery	27	11
WX21173048	City of Jeffersonville Highway 1050 Line Replacement Project	11-20 Years	Not Funded	$300,000	Montgomery	28	12
WX21173047	Levee Road Water Association Countryside Drive Waterline Extension	6-10 Years	Not Funded	$246,045	Montgomery	29	13
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173158	Belt Filter Press Project	3-5 Years	Not Funded	$225,000	Montgomery	35	19
WX21173157	VFD Replacement High Service Building Project	3-5 Years	Not Funded	$20,000	Montgomery	36	20
WX21173094	Mt. Sterling Water & Sewer System Automatic Flush Valve Project	3-5 Years	Not Funded	$35,000	Montgomery	37	21
WX21173095	Mt. Sterling Water & Sewer System Valve Replacement Project	6-10 Years	Not Funded	$150,000	Montgomery	38	22
WX21205042	Morehead Utility Plant Board Radio Read Meter and Technology Project	3-5 Years	Not Funded	$700,000	Rowan	39	4
WX21173155	Osborne Road Water Tank Painting Project	0-2 Years	Not Funded	$450,000	Montgomery	40	23
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	$800,000	Montgomery	41	24
WX21173008	Mt. Sterling Water & Sewer Spencer Road Water Main Extension	6-10 Years	Not Funded	$250,000	Montgomery	42	25
WX21173066	Mt. Sterling Water & Sewer System Fire Hydrant Project	6-10 Years	Not Funded	$168,000	Montgomery	43	26
WX21173107	Levee Road Water Association Phase III Meter Replacement Project	3-5 Years	Not Funded	$50,000	Montgomery	44	27
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	$209,600	Morgan	45	4
WX21173044	Montgomery County Water District #1 Whitaker Lane Vault Valve Replacement	6-10 Years	Not Funded	$60,000	Montgomery	46	28
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	6-10 Years	Not Funded	$150,000	Rowan	47	5
WX21173111	Mount Sterling Water and Sewer Waterline Rehab Projects - Various Sites	6-10 Years	Not Funded	$600,000	Montgomery	48	29
WX21173109	Montgomery County Water District #1 Concrete Abestos Pipe Replacement	11-20 Years	Not Funded	$400,000	Montgomery	49	30
WX21173153	South Maysville Waterline Replacement Project	0-2 Years	Not Funded	$77,500	Montgomery	50	31
WX21173046	Reid Village Water District Wades Mill Tank Mixing System Projec	3-5 Years	Not Funded	$20,000	Montgomery	51	32
WX21173156	Distribution Warehouse Security Cameras/Electronic Gate Project	3-5 Years	Not Funded	$12,500	Montgomery	52	33
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34
WX21173054	Onsite Fuel Storage	3-5 Years	Not Funded	$30,000	Montgomery	54	35
WX21173159	Office Equipment Upgrade	3-5 Years	Not Funded	$38,000	Montgomery	55	36
WX21173138	Levee Road Water Association Fence Replacement Project	6-10 Years	Not Funded	$10,000	Montgomery	56	37
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	$10,500	Montgomery	57	38
			Total Cost:	**$47,526,600**			

Bath County

- 2010 census population of 11,591 (5,405 households) with 96% serviceable.
- Projected 2020 population of 12,132 (change of 541).
- Bath County has 356.26 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 7.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,379,225.
- Estimated funding needs for projects from 6 to 10 years: $2,194,300.

Bath County has a 2010 census population count of 11,591 (5,405 households) with a projected 2020 population count of 12,132 (5,006 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 54 serviceable households will be added through the construction of 7.00 miles of water line extensions and approximately 11,100 instances of improved service through the rehabilitation of 7.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bath County Water District	3	$502,300	20	7,591	1.00	-	-
City of Frenchburg	1	$1,432,000	25	-	4.00	-	-
City of Owingsville	3	$1,458,075	3	1,013	1.00	1.00	-
Sharpsburg Water District	4	$1,181,150	6	2,496	1.00	6.00	-
Totals:	**11**	**$4,573,525**	**54**	**11,100**	**7.00**	**7.00**	**-**

Community Drinking Water Systems in Bath County

Note: Serviceability counts are for households within Bath county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0060022	Bath County Water District	Bath	6,934	3,176
KY0060338	City of Owingsville	Bath	1,932	966
KY0060392	Sharpsburg Water District	Bath	1,972	911
KY0830148	City of Frenchburg	Menifee	203	94
KY0870147	Judy Water Association	Montgomery	121	43
		Totals:	11,162	5,190

Kentucky Infrastructure Authority
January 04, 2019

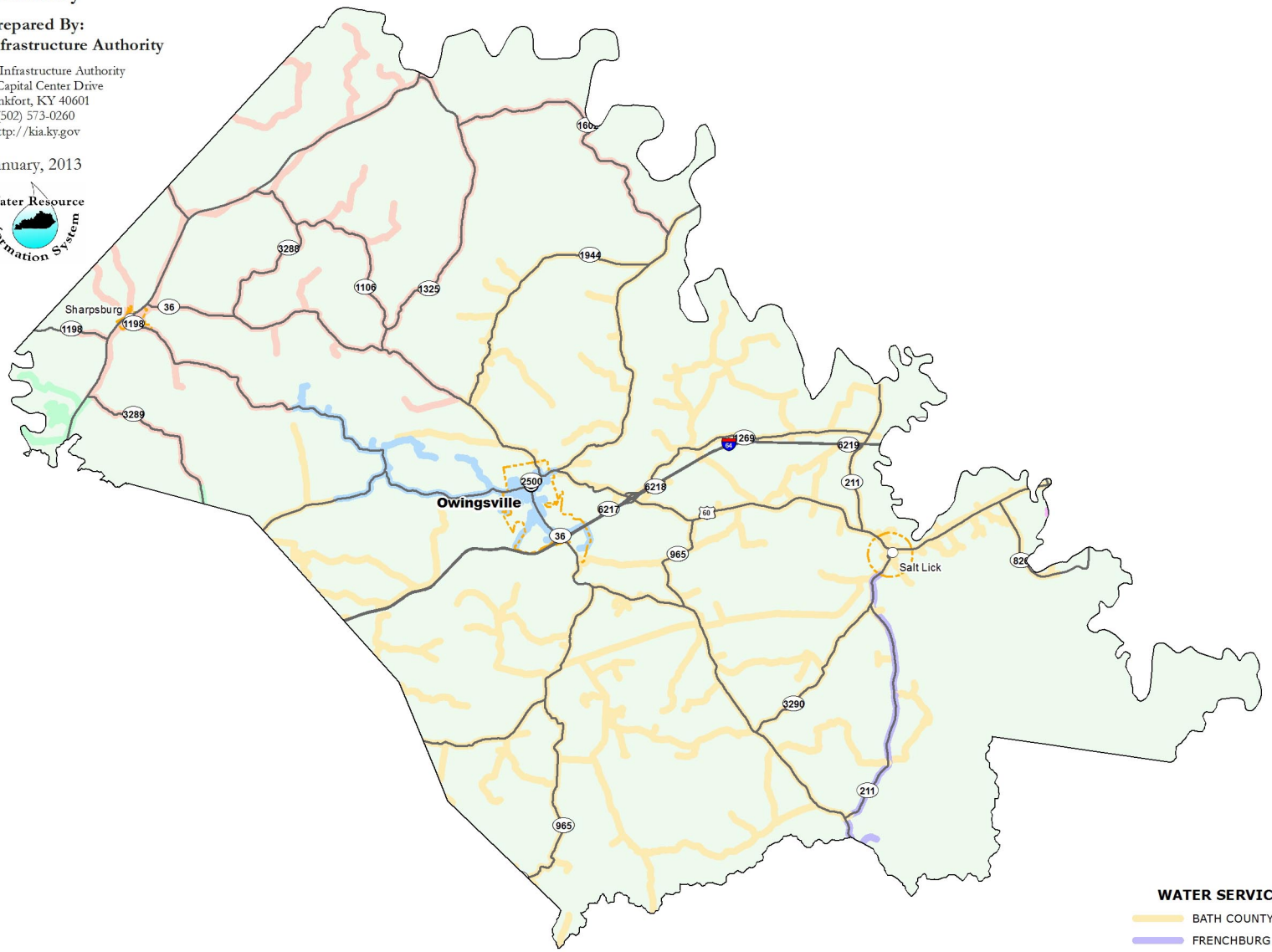
WATER SERVICE AREAS
BATH COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BATH COUNTY WATER DISTRICT
- FRENCHBURG WATER & SEWER
- JUDY WATER ASSOCIATION
- MOREHEAD UTILITY PLANT BOARD
- OWINGSVILLE WATER AND SEWER
- SHARPSBURG WATER DISTRICT

System Summary for Bath County Water District

PWSID	KY0060022	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$28.78 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,852
Residential Customers	3,770	Total Produced (MG)	-
Commercial Customers	72	Total Purchased (MG)	472.779
Institutional Customers	-	Total Inside Usage (MG)	204.668
Industrial Customers	7	Total Wholesale Sold (MG)	219.360
Wholesale Customers	3	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 294.31 miles (Distribution: 294.31 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bath County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	$28,428,000	Rowan	2	1
WX21011016	Bath County Water District Standby Power Generator Project	6-10 Years	Not Funded	$120,000	Bath	20	4
WX21011027	Bath County Water District Scattered Site System Improvement Project	3-5 Years	Not Funded	$140,000	Bath	23	5
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34
WX21011012	Flat Creek Road Waterline Extension	6-10 Years	Not Funded	$242,300	Bath		

System Summary for City of Owingsville

PWSID	KY0060338	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$24.46 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$28.14 per 4,000 gallons.	Total Connections	909
Residential Customers	826	Total Produced (MG)	-
Commercial Customers	69	Total Purchased (MG)	130.248
Institutional Customers	12	Total Inside Usage (MG)	107.000
Industrial Customers	1	Total Wholesale Sold (MG)	10.500
Wholesale Customers	1	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 29.74 miles (Distribution: 29.35 miles, Transmission: 0.40 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Owingsville

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	$28,428,000	Rowan	2	1
WX21011013	Waterline Replacement Project	3-5 Years	Not Funded	$1,035,000	Bath	11	2
WX21011037	City of Owingsville Radio Read Meter Installation Project	0-2 Years	Not Funded	$323,075	Bath	14	3
WX21011012	Flat Creek Road Waterline Extension	6-10 Years	Not Funded	$242,300	Bath		
WX21011030	City of Owingsville Atkinson Road Waterline Extension Project	6-10 Years	Not Funded	$100,000	Bath		

System Summary for Sharpsburg Water District

PWSID	KY0060392	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$38.90 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,440
Residential Customers	1,411	Total Produced (MG)	-
Commercial Customers	26	Total Purchased (MG)	114.355
Institutional Customers	-	Total Inside Usage (MG)	81.772
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 136.74 miles (Distribution: 136.59 miles, Transmission: 0.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Sharpsburg Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	$500,000	Bath	6	1
WX21011009	Sharpsburg Water District Rich Lan Road Waterline Extension Project	0-2 Years	Not Funded	$181,150	Bath	25	6
WX21011020	Sharpsburg Water District AC Line Replacement Project	6-10 Years	Not Funded	$300,000	Bath		
WX21011012	Flat Creek Road Waterline Extension	6-10 Years	Not Funded	$242,300	Bath		
WX21011019	Sharpsburg Water District Meter Replacement Project	3-5 Years	Not Funded	$200,000	Bath		

Menifee County

- 2010 census population of 6,306 (3,744 households) with 96% serviceable.
- Projected 2020 population of 6,038 (change of -268).
- Menifee County has 264.70 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,328,500.
- Estimated funding needs for projects from 6 to 10 years: $1,432,000.

Menifee County has a 2010 census population count of 6,306 (3,744 households) with a projected 2020 population count of 6,038 (2,422 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 31 serviceable households will be added through the construction of 7.00 miles of water line extensions and approximately 19,306 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Cave Run Water Commission	2	$1,237,350	-	19,306	-	-	-
City of Frenchburg	2	$1,523,150	31	-	7.00	-	-
Totals:	**4**	**$2,760,500**	**31**	**19,306**	**7.00**	**-**	**-**

Community Drinking Water Systems in Menifee County

Note: Serviceability counts are for households within Menifee county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0830148	City of Frenchburg	Menifee	5,027	3,141
KY0060022	Bath County Water District	Bath	998	422
KY0870212	City of Jeffersonville	Montgomery	43	18
		Totals:	6,068	3,581

Kentucky Infrastructure Authority
January 04, 2019

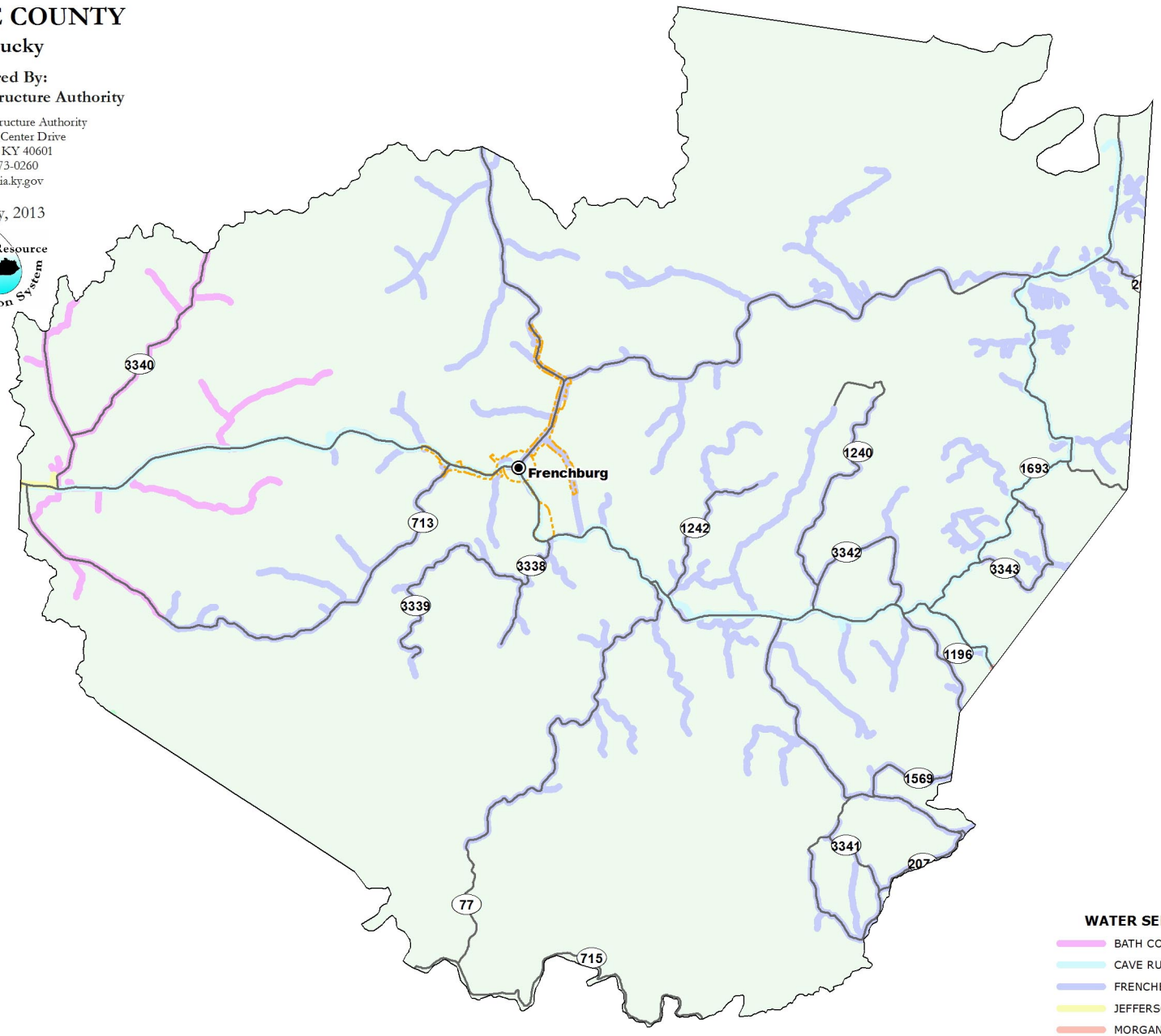
WATER SERVICE AREAS
MENIFEE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Cave Run Water Commission

PWSID	KY0831010	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Regional Water Commission	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	$10.28 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	6
Residential Customers	-	Total Produced (MG)	412.117
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	9.000
Industrial Customers	-	Total Wholesale Sold (MG)	397.578
Wholesale Customers	3	Estimated Pct. Water Loss	1%
Total Distribution System Line Length = 32.21 miles (Distribution: 0.02 miles, Transmission: 32.19 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cave Run Water Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Not Funded	$1,171,350	Menifee	3	1
WX21165020	Water Treatment Plant SCADA Project	0-2 Years	Not Funded	$66,000	Menifee	9	2

System Summary for City of Frenchburg

PWSID	KY0830148	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$25.78 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$35.14 per 4,000 gallons.	Total Connections	2,803
Residential Customers	2,713	Total Produced (MG)	-
Commercial Customers	86	Total Purchased (MG)	169.410
Institutional Customers	-	Total Inside Usage (MG)	138.563
Industrial Customers	-	Total Wholesale Sold (MG)	9.961
Wholesale Customers	2	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 228.06 miles (Distribution: 225.82 miles, Transmission: 2.24 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Frenchburg

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Not Funded	$1,171,350	Menifee	3	1
WX21165020	Water Treatment Plant SCADA Project	0-2 Years	Not Funded	$66,000	Menifee	9	2
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	$91,150	Menifee	17	3
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	6-10 Years	Not Funded	$1,432,000	Menifee	26	4

Montgomery County

- 2010 census population of 26,499 (11,699 households) with 100% serviceable.
- Projected 2020 population of 30,750 (change of 4,251).
- Montgomery County has 376.83 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,080,275.
- Estimated funding needs for projects from 6 to 10 years: $1,672,045.

Montgomery County has a 2010 census population count of 26,499 (11,699 households) with a projected 2020 population count of 30,750 (12,483 households). Public water is currently available to approximately 100 percent of the county's households based on 2010 census counts. Over the next ten years approximately 45 serviceable households will be added through the construction of 6.00 miles of water line extensions and approximately 130,607 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bath County Water District	1	$120,000	-	-	-	-	-
City of Jeffersonville	8	$553,000	25	7,031	3.00	1.00	-
Judy Water Association Inc	2	$300,000	-	2,865	-	-	-
Levee Road Water Association Inc	7	$1,871,220	19	2,639	2.00	1.00	-
Montgomery County Water District #1	2	$360,000	-	915	-	-	-
Mount Sterling Water and Sewer	20	$3,399,500	1	115,238	1.00	3.00	-
Reid Village Water District	3	$148,600	-	1,919	-	-	-
Totals:	**43**	**$6,752,320**	**45**	**130,607**	**6.00**	**5.00**	**-**

Community Drinking Water Systems in Montgomery County

Note: Serviceability counts are for households within Montgomery county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0870212	City of Jeffersonville	Montgomery	4,597	2,003
KY0870147	Judy Water Association	Montgomery	2,437	1,015
KY0870246	Levee Road Water Association, Inc	Montgomery	2,137	905
KY0870290	Montgomery County Water District #1	Montgomery	1,815	756
KY0870298	Mount Sterling Water and Sewer	Montgomery	11,989	5,517
KY0870367	Reid Village Water District	Montgomery	2,432	1,037
KY0060022	Bath County Water District	Bath	970	414
		Totals:	26,377	11,647

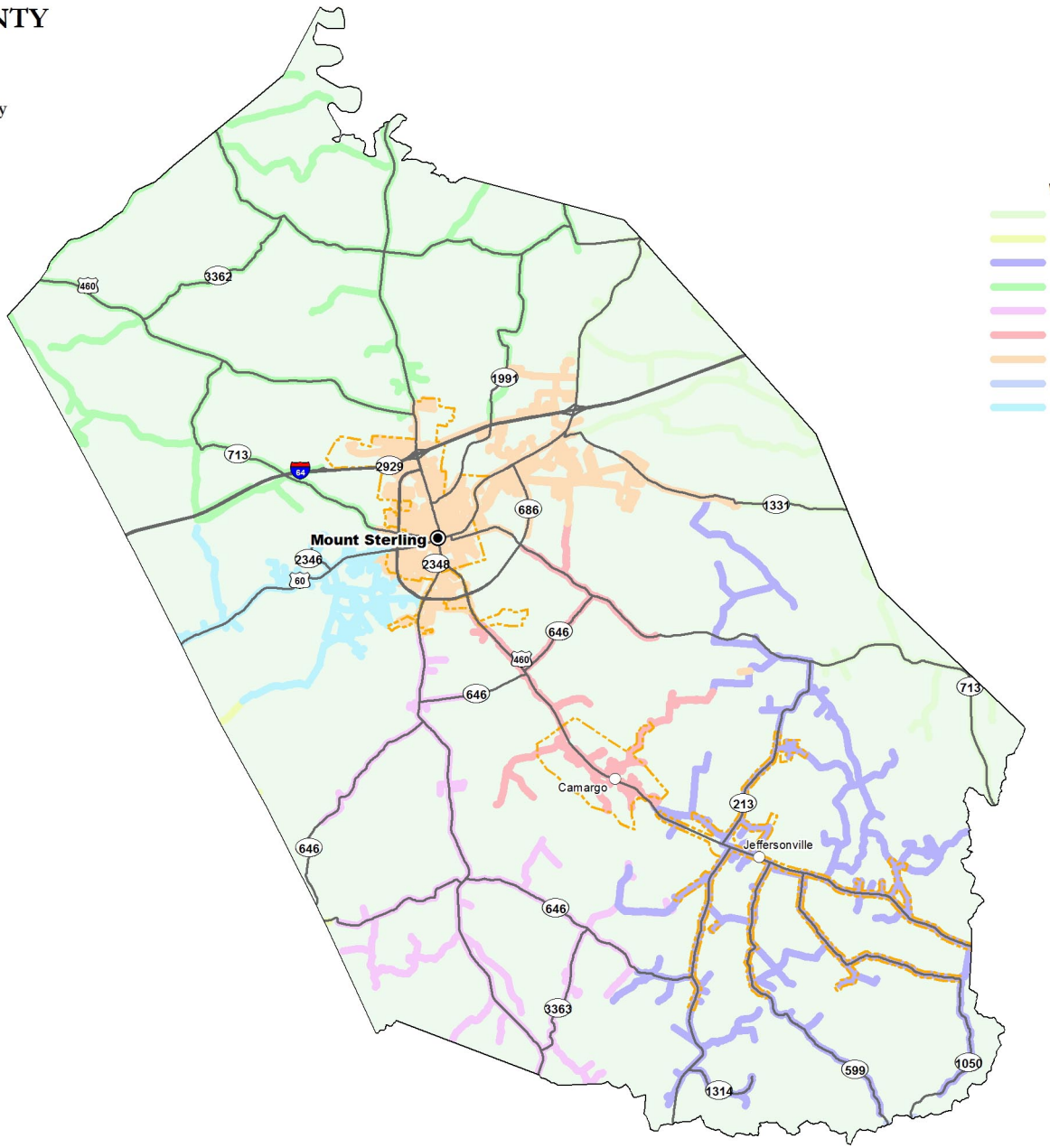
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MONTGOMERY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



System Summary for City of Jeffersonville

PWSID	KY0870212	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$33.85 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.85 per 4,000 gallons.	Total Connections	1,836
Residential Customers	1,809	Total Produced (MG)	-
Commercial Customers	25	Total Purchased (MG)	130.704
Institutional Customers	-	Total Inside Usage (MG)	105.285
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 85.02 miles (Distribution: 81.90 miles, Transmission: 3.12 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of Jeffersonville

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Not Funded	$1,171,350	Menifee	3	1
WX21165020	Water Treatment Plant SCADA Project	0-2 Years	Not Funded	$66,000	Menifee	9	2
WX21173125	City of Jeffersonville Welch Road Project - Phase II	0-2 Years	Not Funded	$250,000	Montgomery	10	2
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34
WX21173059	City of Jeffersonville Highway 599 Water Tank Rehab Project	0-2 Years	Not Funded	$150,000	Montgomery		
WX21173115	City of Jeffersonville Utility Truck Project	3-5 Years	Not Funded	$50,000	Montgomery		
WX21173050	City of Jeffersonville New Cut Rd Line Replacement Project	6-10 Years	Not Funded	$50,000	Montgomery		
WX21173051	City of Jeffersonville Corey Lane Improvement Project	6-10 Years	Not Funded	$18,000	Montgomery		
WX21173116	City of Jeffersonville Fay Street Tie In Project	3-5 Years	Not Funded	$15,000	Montgomery		
WX21173117	City of Jeffersonville Equipment Project	3-5 Years	Not Funded	$10,000	Montgomery		
WX21173072	City of Jeffersonville Office Equipment Upgrade	0-2 Years	Not Funded	$10,000	Montgomery		

System Summary for Judy Water Association

PWSID	KY0870147	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$39.41 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,959
Residential Customers	1,949	Total Produced (MG)	-
Commercial Customers	9	Total Purchased (MG)	152.182
Institutional Customers	-	Total Inside Usage (MG)	134.640
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 179.02 miles (Distribution: 178.86 miles, Transmission: 0.16 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Judy Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	$200,000	Montgomery	13	4
WX21173121	Judy Water Association Water Tank Inspection Project	3-5 Years	Not Funded	$100,000	Montgomery	18	7
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34
WX21173088	Judy Water Association Bourbon County Line Upgrade Project	6-10 Years	Not Funded	$300,000	Montgomery		

System Summary for Levee Road Water Association, Inc

PWSID	KY0870246	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$25.10 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	852
Residential Customers	841	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	47.569
Institutional Customers	-	Total Inside Usage (MG)	37.721
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 39.62 miles (Distribution: 38.63 miles, Transmission: 0.99 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Levee Road Water Association, Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173160	Levee Road Water Association System Improvements Project	0-2 Years	Not Funded	$1,069,675	Montgomery	8	1
WX21173161	Levee Road Water Association Meter Settings Replacement Project	3-5 Years	Not Funded	$475,000	Montgomery	22	10
WX21173047	Levee Road Water Association Countryside Drive Waterline Extension	6-10 Years	Not Funded	$246,045	Montgomery	29	13
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173107	Levee Road Water Association Phase III Meter Replacement Project	3-5 Years	Not Funded	$50,000	Montgomery	44	27
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34
WX21173138	Levee Road Water Association Fence Replacement Project	6-10 Years	Not Funded	$10,000	Montgomery	56	37
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	$10,500	Montgomery	57	38
WX21173152	Chlorine Booster Station Project	3-5 Years	Not Funded	$10,000	Montgomery		

System Summary for Montgomery County Water District #1

PWSID	KY0870290	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$38.21 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	734
Residential Customers	692	Total Produced (MG)	-
Commercial Customers	41	Total Purchased (MG)	44.002
Institutional Customers	-	Total Inside Usage (MG)	38.831
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 25.66 miles (Distribution: 23.84 miles, Transmission: 1.82 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Montgomery County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173123	Montgomery County Water District No. 1 Equipment Project	0-2 Years	Not Funded	$300,000	Montgomery	15	5
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173044	Montgomery County Water District #1 Whitaker Lane Vault Valve Replacement	6-10 Years	Not Funded	$60,000	Montgomery	46	28
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34

System Summary for Mount Sterling Water and Sewer

PWSID	KY0870298	Treats Water	Yes, 1 plant with total capacity of 4.300 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	33	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 6 purchasers.
Inside Mun. Cost	$23.73 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$26.46 per 4,000 gallons.	Total Connections	5,516
Residential Customers	4,828	Total Produced (MG)	901.538
Commercial Customers	635	Total Purchased (MG)	-
Institutional Customers	15	Total Inside Usage (MG)	524.889
Industrial Customers	32	Total Wholesale Sold (MG)	299.390
Wholesale Customers	6	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 105.95 miles (Distribution: 102.07 miles, Transmission: 3.88 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Mount Sterling Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173065	Mt. Sterling Water & Sewer System South Queen Project	3-5 Years	Not Funded	$326,000	Montgomery	16	6
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173158	Belt Filter Press Project	3-5 Years	Not Funded	$225,000	Montgomery	35	19
WX21173157	VFD Replacement High Service Building Project	3-5 Years	Not Funded	$20,000	Montgomery	36	20
WX21173094	Mt. Sterling Water & Sewer System Automatic Flush Valve Project	3-5 Years	Not Funded	$35,000	Montgomery	37	21
WX21173095	Mt. Sterling Water & Sewer System Valve Replacement Project	6-10 Years	Not Funded	$150,000	Montgomery	38	22
WX21173155	Osborne Road Water Tank Painting Project	0-2 Years	Not Funded	$450,000	Montgomery	40	23
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	$800,000	Montgomery	41	24
WX21173008	Mt. Sterling Water & Sewer Spencer Road Water Main Extension	6-10 Years	Not Funded	$250,000	Montgomery	42	25
WX21173066	Mt. Sterling Water & Sewer System Fire Hydrant Project	6-10 Years	Not Funded	$168,000	Montgomery	43	26
WX21173111	Mount Sterling Water and Sewer Waterline Rehab Projects - Various Sites	6-10 Years	Not Funded	$600,000	Montgomery	48	29
WX21173153	South Maysville Waterline Replacement Project	0-2 Years	Not Funded	$77,500	Montgomery	50	31
WX21173156	Distribution Warehouse Security Cameras/Electronic Gate Project	3-5 Years	Not Funded	$12,500	Montgomery	52	33
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34

System Summary for Reid Village Water District

PWSID	KY0870367	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$42.71 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,141
Residential Customers	1,102	Total Produced (MG)	-
Commercial Customers	39	Total Purchased (MG)	72.323
Institutional Customers	-	Total Inside Usage (MG)	66.307
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 30.23 miles (Distribution: 29.61 miles, Transmission: 0.62 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Reid Village Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173149	Reid Village Water District Meter Replacement Project	3-5 Years	Not Funded	$100,000	Montgomery	12	3
WX21173074	Devonne Pump Station Pump Replacement	3-5 Years	Not Funded	$28,600	Montgomery	19	8
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	$40,000	Montgomery	33	17
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	34	18
WX21173046	Reid Village Water District Wades Mill Tank Mixing System Projec	3-5 Years	Not Funded	$20,000	Montgomery	51	32
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	$50,000	Montgomery	53	34

Morgan County

- 2010 census population of 13,923 (5,830 households) with 92% serviceable.
- Projected 2020 population of 14,023 (change of 100).
- Morgan County has 450.91 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,880,200.
- Estimated funding needs for projects from 6 to 10 years: $1,239,355.

Morgan County has a 2010 census population count of 13,923 (5,830 households) with a projected 2020 population count of 14,023 (5,126 households). Public water is currently available to approximately 92 percent of the county's households based on 2010 census counts. Over the next ten years approximately 93 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 1,742 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of West Liberty	3	$1,880,200	-	1,736	-	1.00	-
Morgan County Water District	1	$1,239,355	93	6	13.00	-	-
Totals:	**4**	**$3,119,555**	**93**	**1,742**	**13.00**	**1.00**	**-**

Community Drinking Water Systems in Morgan County

Note: Serviceability counts are for households within Morgan county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0880452	City of West Liberty	Morgan	3,431	855
KY0880594	Morgan County Water District	Morgan	8,757	4,058
KY0220555	Rattlesnake Ridge Water District	Carter	88	41
KY0320383	Sandy Hook Water District	Elliott	269	147
KY0830148	City of Frenchburg	Menifee	153	142
KY1030375	Rowan Water, Inc	Rowan	231	105
KY1190061	Campton Water System	Wolfe	57	32
		Totals:	12,986	5,380

Kentucky Infrastructure Authority
January 04, 2019

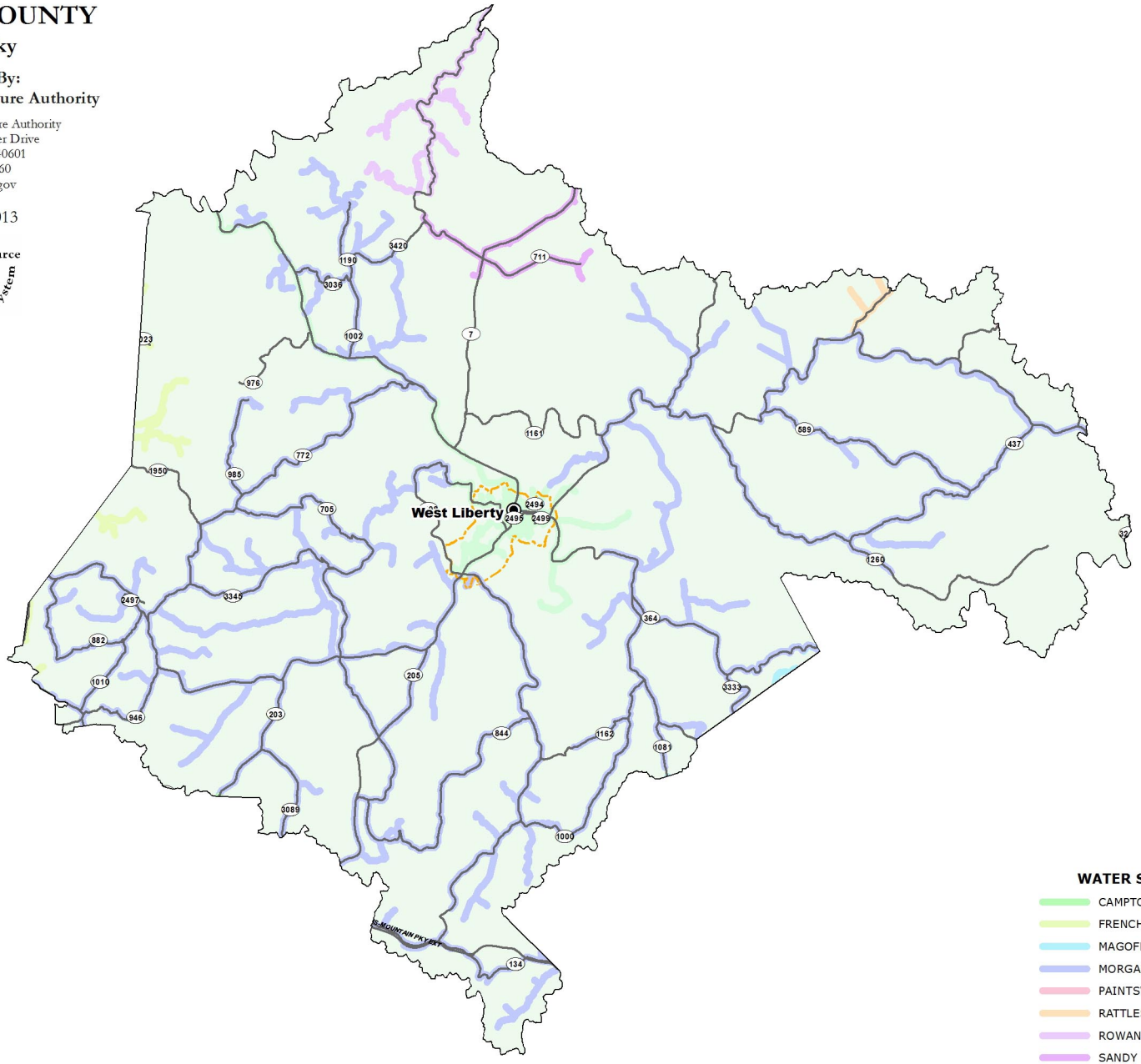
WATER SERVICE AREAS
MORGAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CAMPTON WATER SYSTEM
- FRENCHBURG WATER & SEWER
- MAGOFFIN COUNTY WATER DISTRICT
- MORGAN COUNTY WATER DISTRICT
- PAINTSVILLE UTILITY COMMISSION
- RATTLESNAKE RIDGE WATER DISTRICT
- ROWAN WATER, INC
- SANDY HOOK WATER DISTRICT
- WEST LIBERTY WATER WORKS

System Summary for City of West Liberty

PWSID	KY0880452	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$34.49 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$37.75 per 4,000 gallons.	Total Connections	807
Residential Customers	645	Total Produced (MG)	375.125
Commercial Customers	135	Total Purchased (MG)	-
Institutional Customers	23	Total Inside Usage (MG)	104.602
Industrial Customers	3	Total Wholesale Sold (MG)	145.864
Wholesale Customers	1	Estimated Pct. Water Loss	33%

Total Distribution System Line Length = 45.57 miles (Distribution: 29.50 miles, Transmission: 16.06 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for City of West Liberty

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21175009	Water Quality Improvements Project	0-2 Years	Not Funded	$1,500,000	Morgan	1	1
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	$170,600	Morgan	4	2
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	$209,600	Morgan	45	4

System Summary for Morgan County Water District

PWSID	KY0880594	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$43.84 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,748
Residential Customers	2,635	Total Produced (MG)	-
Commercial Customers	110	Total Purchased (MG)	245.997
Institutional Customers	-	Total Inside Usage (MG)	153.716
Industrial Customers	-	Total Wholesale Sold (MG)	0.003
Wholesale Customers	3	Estimated Pct. Water Loss	38%

Total Distribution System Line Length = 360.46 miles (Distribution: 352.15 miles, Transmission: 8.32 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Morgan County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Not Funded	$1,171,350	Menifee	3	1
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	$170,600	Morgan	4	2
WX21165020	Water Treatment Plant SCADA Project	0-2 Years	Not Funded	$66,000	Menifee	9	2
WX21175037	Countywide Waterline Extensions	6-10 Years	Not Funded	$1,239,355	Morgan	24	3
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	$209,600	Morgan	45	4

Rowan County

- 2010 census population of 23,333 (10,102 households) with 99% serviceable.
- Projected 2020 population of 24,708 (change of 1,375).
- Rowan County has 460.75 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $31,728,000.
- Estimated funding needs for projects from 6 to 10 years: $150,000.

Rowan County has a 2010 census population count of 23,333 (10,102 households) with a projected 2020 population count of 24,708 (9,546 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 27,408 instances of improved service through the rehabilitation of 4.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Morehead	1	$28,428,000	-	14,154	-	-	2.00
Morehead Utility Plant Board	3	$1,750,000	-	6,754	-	4.00	-
Rowan Water Inc	1	$1,700,000	-	6,500	-	-	-
Totals:	**5**	**$31,878,000**	**-**	**27,408**	**-**	**4.00**	**2.00**

Community Drinking Water Systems in Rowan County

Note: Serviceability counts are for households within Rowan county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1030480	Morehead State University	Rowan	1,707	166
KY1030292	Morehead Utility Plant Board	Rowan	8,046	3,622
KY1030375	Rowan Water, Inc	Rowan	13,247	6,152
KY0060022	Bath County Water District	Bath	34	17
		Totals:	23,034	9,957

Kentucky Infrastructure Authority
January 04, 2019

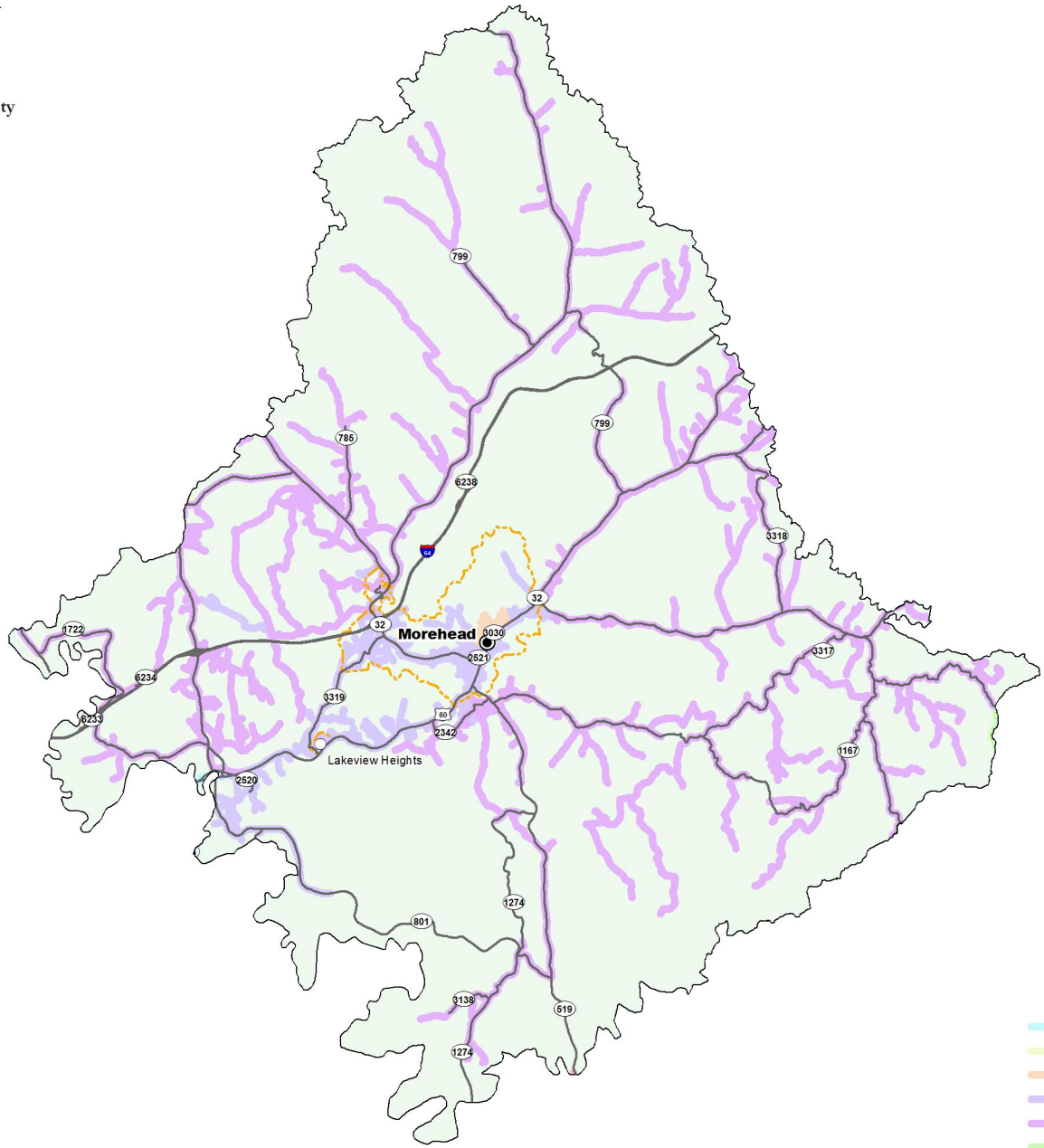
WATER SERVICE AREAS
ROWAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BATH COUNTY WATER DISTRICT
- FLEMING COUNTY WATER ASSOCIATION
- MOREHEAD STATE UNIVERSITY
- MOREHEAD UTILITY PLANT BOARD
- ROWAN WATER, INC
- SANDY HOOK WATER DISTRICT
- WEST LIBERTY WATER WORKS

System Summary for Morehead State University

PWSID	KY1030480	Treats Water	Yes, 1 plant with total capacity of 1.300 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Private Non-Profit	Groundwater Source	No
Employees	13	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1
Residential Customers	6,500	Total Produced (MG)	92.593
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	91.500
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	1%
Total Distribution System Line Length = 5.82 miles (Distribution: 4.66 miles, Transmission: 1.17 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Morehead State University

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	$28,428,000	Rowan	2	1

System Summary for Morehead Utility Plant Board

PWSID	KY1030292	Treats Water	Yes, 1 plant with total capacity of 8.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	47	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$31.46 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$37.74 per 4,000 gallons.	Total Connections	3,456
Residential Customers	2,824	Total Produced (MG)	1,868.070
Commercial Customers	623	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	618.564
Industrial Customers	6	Total Wholesale Sold (MG)	1,053.661
Wholesale Customers	3	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 105.89 miles (Distribution: 104.75 miles, Transmission: 1.14 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Morehead Utility Plant Board

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	$28,428,000	Rowan	2	1
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	$900,000	Rowan	7	3
WX21205042	Morehead Utility Plant Board Radio Read Meter and Technology Project	3-5 Years	Not Funded	$700,000	Rowan	39	4
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	6-10 Years	Not Funded	$150,000	Rowan	47	5

System Summary for Rowan Water, Inc

PWSID	KY1030375	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$33.43 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 11 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	7,085
Residential Customers	6,377	Total Produced (MG)	-
Commercial Customers	670	Total Purchased (MG)	619.985
Institutional Customers	-	Total Inside Usage (MG)	507.716
Industrial Customers	-	Total Wholesale Sold (MG)	17.117
Wholesale Customers	4	Estimated Pct. Water Loss	15%

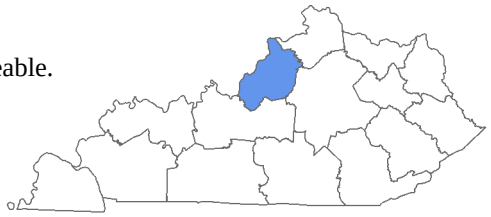
Total Distribution System Line Length = 448.61 miles (Distribution: 448.46 miles, Transmission: 0.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Rowan Water, Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	$28,428,000	Rowan	2	1
WX21205049	Rowan Water Inc. Radio Read Meter Replacement Project	0-2 Years	Not Funded	$1,700,000	Rowan	5	2

Kentuckiana Regional Planning and Development Agency (KIPDA)



- 2010 census population of 959,091 (421,502 households) with 98% serviceable.
- Projected 2020 population of 1,058,343 (change of 99,252).
- 6,354.39 miles of existing water lines.
- 116.00 miles of line extensions proposed in the next 10 years.
- 47.00 miles of line rehabilitation proposed in the next 10 years.
- 65.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $190,968,485.
- Estimated funding needs for projects from 6 to 10 years: $31,517,028.
- Average age of structures: water treatment plants is 23 years; water tanks is 38 years.
- Total number of interconnected systems is 14.
- 118 miles of asbestos concrete pipe currently in use.
- 79 miles of water lines less than 15 years old.
- 218 miles of water lines between 15 and 30 years old.
- 690 miles of water lines between 31 and 50 years old.
- 1,007 miles of water lines between 51 and 70 years old.
- 47 miles of water lines greater than 70 years old.

Kentuckiana Regional Planning and Development Agency has a 2010 census population count of 959,091 (421,502 households) with a projected 2020 population count of 1,058,343 (437,016 households). Public water is currently available to approximately 98 percent of the district's households based on 2010 census counts. Over the next ten years approximately 96,359 serviceable households will be added through the construction of 116.00 miles of water line extensions and approximately 52,055 instances of improved service through the rehabilitation of 47.00 miles of existing water lines and other appurtenances. 65.00 miles of transmission lines are also proposed within this district.

County Summary for Kentuckiana Regional Planning and Development Agency

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bullitt	74,319	29,318	88,508	34,970	28,334	97%	$ 9,814,500
Henry	15,416	6,640	15,915	6,405	6,330	95%	$ 7,339,729
Jefferson	741,096	337,616	793,817	336,744	334,965	99%	$ 108,416,708
Oldham	60,316	20,688	74,990	26,354	18,500	89%	$ 22,014,750
Shelby	42,074	16,606	51,944	19,663	16,197	98%	$ 57,884,212
Spencer	17,061	6,704	23,655	9,025	6,356	95%	$ 4,214,172
Trimble	8,809	3,930	9,514	3,855	3,632	92%	$ 12,801,442
Totals	**959,091**	**421,502**	**1,058,343**	**437,016**	**414,314**	**98%**	**$ 222,485,513**

Kentucky Infrastructure Authority
January 04, 2019

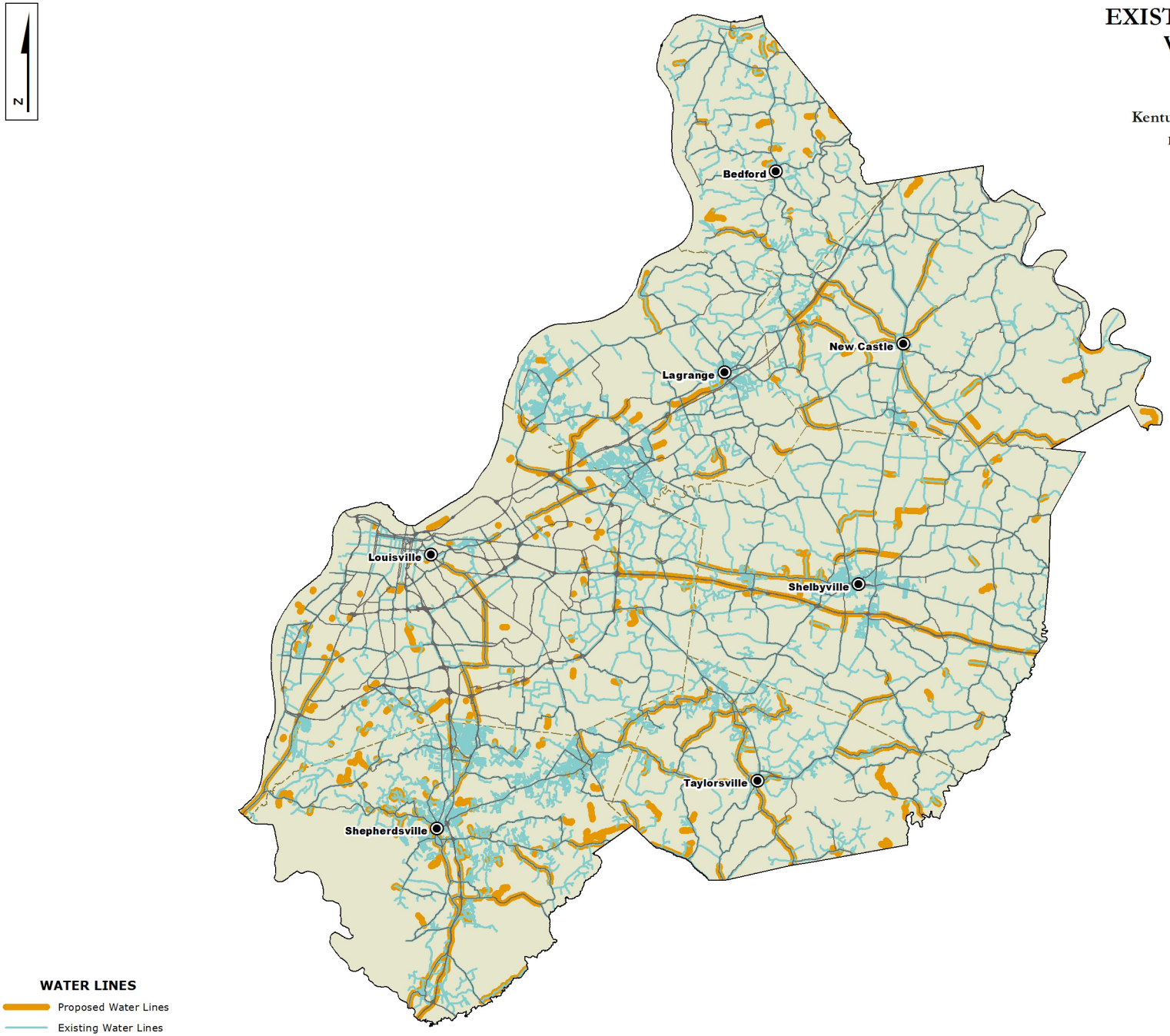
EXISTING & PROPOSED WATER LINES

KIPDA

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Kentuckiana Regional Planning and Development Agency County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0150242	Lebanon Junction Water Works	Bullitt	2,191	932
KY0150300	Mount Washington Water & Sewer Company	Bullitt	19,320	7,681
KY0520122	Eminence Water Works	Henry	2,522	1,092
KY0520192	Henry County Water District #2	Henry	14,543	6,106
KY0520520	New Castle Water Works	Henry	930	429
KY0560258	Louisville Water Company	Jefferson	807,578	362,277
KY0930481	Lagrange Utilities Commission	Oldham	8,863	3,496
KY0930333	Oldham County Water District	Oldham	19,234	5,609
KY1060324	North Shelby Water District	Shelby	10,913	4,368
KY1060394	Shelbyville Municipal Water & Sewer Commission	Shelby	22,031	8,917
KY1060436	US 60 Water District	Shelby	4,940	2,066
KY1060457	West Shelby Water District	Shelby	5,120	1,973
KY1080425	Taylorsville Water Works	Spencer	18,526	7,236
KY1120289	Milton Water & Sewer Department	Trimble	2,392	1,142
KY1120431	Trimble County Water District #1	Trimble	3,511	1,521
		Totals:	942,614	414,845

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029294	Lebanon Junction Preston Highway Water System Improvements	0-2 Years	Not Funded	$300,000	Bullitt	1	1
WX21211074	Water System Rehabilitation	3-5 Years	Not Funded	$801,800	Shelby	2	1
WX21223004	Tilley Lane Ext.	3-5 Years	Not Funded	$125,000	Trimble	3	1
WX21111187	Lead Service Renewals	3-5 Years	Not Funded	$1,500,000	Jefferson	4	1
WX21215009	Southville Pike – SR 44 Upgrade	3-5 Years	Not Funded	$375,000	Spencer	5	1
WX21103048	City of New Castle - College St Water Line Replacement	3-5 Years	Not Funded	$104,000	Henry	6	1
WX21185030	Storage Tank US 42 and Liberty Lane	0-2 Years	Partially Funded	$2,200,000	Oldham	7	1
WX21029166	Roe Hill Road	3-5 Years	Not Funded	$641,200	Bullitt	8	2
WX21211054	US 60 Water District Radio Reads	6-10 Years	Not Funded	$770,000	Shelby	9	2
WX21223010	S. Spillman Lane Ext.	3-5 Years	Not Funded	$70,000	Trimble	10	2
WX21215002	Mill Road Upgrade SR 1795	6-10 Years	Not Funded	$330,000	Spencer	11	2
WX21111163	Water Main Rehabilitation	3-5 Years	Partially Funded	$7,455,001	Jefferson	12	2
WX21103008	KY 153 Upgrade	6-10 Years	Not Funded	$1,175,000	Henry	13	2
WX21185050	18-inch water main connecting Buckner Crossing with Quality Place	6-10 Years	Not Funded	$1,600,000	Oldham	14	2
WX21029130	Newman Hill Road	6-10 Years	Not Funded	$231,000	Bullitt	15	3
WX21211052	Clear Creek to Hwy 43	3-5 Years	Not Funded	$56,074	Shelby	16	3
WX21215007	Normandy Road – Upgrade	3-5 Years	Not Funded	$225,000	Spencer	17	3
WX21111161	Crittenden Drive, 5018 to 7800 Block	3-5 Years	Not Funded	$700,000	Jefferson	18	3
WX21111172	Vernetta Way Water Main Extension	3-5 Years	Partially Funded	$210,000	Jefferson	19	4
WX21029095	Kerr Lane	6-10 Years	Not Funded	$45,000	Bullitt	20	4
WX21215043	Overlook Road	3-5 Years	Not Funded	$101,376	Spencer	21	4
WX21111173	Buttermilk Ridge Rd Main Extension	3-5 Years	Partially Funded	$165,000	Jefferson	22	5
WX21029152	P'Poole Lane	11-20 Years	Not Funded	$42,500	Bullitt	23	5
WX21215006	Bloomfield Road North SR 55 - Upgrade	3-5 Years	Not Funded	$85,000	Spencer	24	5
WX21111186	Harrod's Old Trace Main Extension	6-10 Years	Partially Funded	$362,000	Jefferson	25	6
WX21029253	Perkins Lane	3-5 Years	Not Funded	$192,000	Bullitt	26	6
WX21215005	Bloomfield Road – South SR 55 Upgrade	3-5 Years	Not Funded	$220,000	Spencer	27	6
WX21029242	Flatlick Road Water Main Extension Phase I	3-5 Years	Not Funded	$87,450	Bullitt	28	7
WX21103015	Smithfield Loop	3-5 Years	Not Funded	$459,500	Henry	29	3
WX21185021	Old Lagrange Road Extension	3-5 Years	Not Funded	$227,250	Oldham	30	3
WX21211062	Jeptha Knob Water Tank	11-20 Years	Not Funded	$300,000	Shelby	31	4
WX21103037	US 42 Tank	3-5 Years	Partially Funded	$3,254,000	Henry	32	4
WX21111123	Routt Road	11-20 Years	Not Funded	$25,500	Jefferson	33	7
WX21111168	North Shelby Regional Storage	3-5 Years	Not Funded	$2,500,000	Jefferson	34	8

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029025	Cave Hollow	3-5 Years	Not Funded	$175,000	Bullitt	35	8
WX21029241	Ramblin Road Water Main Extension	3-5 Years	Not Funded	$86,000	Bullitt	36	9
WX21215011	Plum Ridge Road Upgrade	6-10 Years	Not Funded	$170,000	Spencer	37	7
WX21111005	Alton Road	6-10 Years	Not Funded	$33,000	Jefferson	38	9
WX21211038	Busey Extension	3-5 Years	Not Funded	$56,074	Shelby	39	5
WX21215008	Town Hill Road – Upgrade	3-5 Years	Not Funded	$80,000	Spencer	40	8
WX21185019	Old Zaring Road Extension	3-5 Years	Not Funded	$135,000	Oldham	41	4
WX21185025	Goshen Lane Extension	6-10 Years	Not Funded	$60,000	Oldham	42	5
WX21211017	Zaring Mill Road Extension	3-5 Years	Not Funded	$175,000	Shelby	43	6
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	44	7
WX21029136	Old Ford Road	11-20 Years	Not Funded	$18,000	Bullitt	45	10
WX21029199	Weird Road	11-20 Years	Not Funded	$119,000	Bullitt	46	11
WX21103010	KY 146 Upgrade	3-5 Years	Not Funded	$782,500	Henry	47	5
WX21103014	Fallen Timber - New Castle	6-10 Years	Not Funded	$975,000	Henry	48	6
WX21103019	KY 1359 Loop	3-5 Years	Not Funded	$42,000	Henry	49	7
WX21111014	Billtown Road Water Main	6-10 Years	Not Funded	$48,000	Jefferson	50	10
WX21111027	Chamberlain Lane	6-10 Years	Not Funded	$132,000	Jefferson	51	11
WX21185047	Replace KY Hwy 1793 Storage Tank and Booster Pump Station	3-5 Years	Not Funded	$2,000,000	Oldham	52	6
WX21185052	Halls Hill Road Phase II - From Glenarm Road to 3328 Halls Hill	3-5 Years	Not Funded	$354,000	Oldham	53	7
WX21185011	Camden Road Extension	3-5 Years	Not Funded	$180,000	Oldham	54	8
WX21029204	Bowles Lane	11-20 Years	Not Funded	$35,000	Bullitt	55	12
WX21111029	Church Rd	6-10 Years	Not Funded	$40,200	Jefferson	56	12
WX21211086	24 Inch Transmission Main 55 to 53	0-2 Years	Not Funded	$4,936,500	Shelby	57	8
WX21211061	Grubbs Lane	6-10 Years	Not Funded	$90,000	Shelby	58	9
WX21211042	North Shelby Water Tank	3-5 Years	Not Funded	$1,100,000	Shelby	59	10
WX21103057	Turkey Run Waterline	3-5 Years	Not Funded	$190,229	Henry	60	8
WX21103011	Sulphur Transmission Main	3-5 Years	Not Funded	$546,000	Henry	61	9
WX21029275	Mills Lane	6-10 Years	Not Funded	$82,000	Bullitt	62	13
WX21111030	Cleveland Avenue	6-10 Years	Not Funded	$16,200	Jefferson	63	13
WX21215010	Yoder Station Road	6-10 Years	Not Funded	$65,268	Spencer	64	9
WX21215084	Love Lane	11-20 Years	Not Funded	$38,016	Spencer	65	10
WX21223021	Trimble Area Optimization Plan	3-5 Years	Not Funded	$2,000,000	Trimble	66	3
WX21223028	Watson Lane Waterline Extension	3-5 Years	Not Funded	$100,000	Trimble	67	4
WX21223030	Meter Replacement Project	0-2 Years	Partially Funded	$400,000	Trimble	68	5
WX21029090	John Lee Road	6-10 Years	Not Funded	$105,000	Bullitt	69	14

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029119	Mooney Lane	11-20 Years	Not Funded	$133,000	Bullitt	70	15
WX21111028	Childers Lane	6-10 Years	Not Funded	$45,000	Jefferson	71	14
WX21215014	Goose Creek Loop Line	3-5 Years	Not Funded	$90,000	Spencer	72	11
WX21215016	Possum Ridge Water Tank & Pump Station Replacement & Town Hill Water Main Replacement	0-2 Years	Partially Funded	$2,240,000	Spencer	73	12
WX21111191	Bardstown Regional Water Storage	0-2 Years	Not Funded	$6,500,000	Jefferson	74	15
WX21103038	KY 157 Main Upgrade	3-5 Years	Not Funded	$2,080,000	Henry	75	10
WX21103046	Sweeney Lane	3-5 Years	Not Funded	$135,000	Henry	76	11
WX21111042	Dogwood Boulevard	6-10 Years	Not Funded	$139,000	Jefferson	77	16
WX21215079	Louisville Road- Highway 31 East	3-5 Years	Not Funded	$168,960	Spencer	78	13
WX21215057	Fred Bauer Road Extension	3-5 Years	Not Funded	$12,672	Spencer	79	14
WX21111159	Regional Pipeline	3-5 Years	Not Funded	$9,347,847	Jefferson	80	17
WX21111160	Technology Park Water Main	0-2 Years	Not Funded	$800,536	Jefferson	81	18
WX21223025	Bucks Run Water Line	6-10 Years	Not Funded	$18,500	Trimble	82	6
WX21223037	System Reliability Upgrades	0-2 Years	Not Funded	$480,000	Trimble	83	7
WX21211028	Ritter Road Extension	3-5 Years	Not Funded	$8,295	Shelby	84	11
WX21211019	Tatum Road - Locust Grove Connection	3-5 Years	Not Funded	$50,000	Shelby	85	12
WX21029208	Walnut & Bank Street Upgrades	3-5 Years	Not Funded	$79,200	Bullitt	86	16
WX21029257	Vaughn Road Drive	11-20 Years	Not Funded	$1,080,000	Bullitt	87	17
WX21103018	Radcliff Road to Hwy 712	3-5 Years	Not Funded	$48,000	Henry	88	12
WX21103051	Water Treatment Plant Upgrade	3-5 Years	Not Funded	$5,500,000	Henry	89	13
WX21103050	City of New Castle - Water System Improvements Project	3-5 Years	Not Funded	$108,000	Henry	90	14
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby	91	13
WX21211076	North Shelby Pump Station Improvements	0-2 Years	Not Funded	$1,070,000	Shelby	92	14
WX21211078	North Shelby Bypass Transmission Main	0-2 Years	Not Funded	$1,732,000	Shelby	93	15
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby	94	16
WX21103043	Bunk Ellis Road	3-5 Years	Not Funded	$50,000	Henry	95	15
WX21111077	Kessler Road	6-10 Years	Not Funded	$155,200	Jefferson	96	19
WX21111097	Murray Lane	6-10 Years	Not Funded	$35,050	Jefferson	97	20
WX21111104	Old Taylorsville Road	11-20 Years	Not Funded	$32,000	Jefferson	98	21
WX21111103	Old Taylorsville Road	6-10 Years	Not Funded	$83,200	Jefferson	99	22
WX21029124	Nalley Lane	6-10 Years	Not Funded	$32,500	Bullitt	100	18
WX21029202	Woodrow Lane	11-20 Years	Not Funded	$10,000	Bullitt	101	19
WX21029207	Phelps Road	6-10 Years	Not Funded	$280,000	Bullitt	102	20
WX21103012	Dawkins Lane - Hwy 146 & Kavanaugh Lane to Hwy. 1606	3-5 Years	Not Funded	$134,500	Henry	103	16
WX21215085	Little Union/ Hwy 652	11-20 Years	Not Funded	$109,824	Spencer	104	15

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21215080	Max Rouse Road	3-5 Years	Not Funded	$196,416	Spencer	105	16
WX21185020	Lagrange Road - Hwy 146 Extension	3-5 Years	Not Funded	$494,000	Oldham	106	9
WX21185018	Sleepy Hollow - Schuler Rd Extension	3-5 Years	Not Funded	$20,000	Oldham	107	10
WX21185051	Central Service Area Water Tank	6-10 Years	Not Funded	$4,000,000	Oldham	108	11
WX21111169	English Station Storage	3-5 Years	Not Funded	$10,700,000	Jefferson	109	23
WX21029026	Cave Spring Drive	3-5 Years	Not Funded	$10,000	Bullitt	110	21
WX21029274	Cardinal Road II Water Main Extension and Booster Pump Station	6-10 Years	Not Funded	$140,000	Bullitt	111	22
WX21223029	Lower Middle Creek Waterline Extension	6-10 Years	Not Funded	$300,000	Trimble	112	8
WX21185022	Ballardsville Road - Hwy 22 Extension	3-5 Years	Not Funded	$130,500	Oldham	113	12
WX21223006	Mitchell, Cedar Ridge Rd Ext.	3-5 Years	Not Funded	$26,000	Trimble	114	9
WX21223009	Schoolhouse Rd Ext.	3-5 Years	Not Funded	$22,400	Trimble	115	10
WX21103013	Kentucky River Loop	3-5 Years	Not Funded	$480,000	Henry	116	17
WX21103033	Albert Moore Road Extension.	3-5 Years	Not Funded	$80,000	Henry	117	18
WX21029256	Grigsby Road	11-20 Years	Not Funded	$157,500	Bullitt	118	23
WX21111039	Distler Dr.	6-10 Years	Not Funded	$31,800	Jefferson	119	24
WX21029254	Rummage Road	11-20 Years	Not Funded	$450,000	Bullitt	120	24
WX21111075	Kaelin Drive	6-10 Years	Not Funded	$8,825	Jefferson	121	25
WX21029238	Barricks Road Extension	6-10 Years	Not Funded	$70,000	Bullitt	122	25
WX21103045	Martini Lane to Webb Lane Upgrade	3-5 Years	Not Funded	$300,000	Henry	123	19
WX21111067	Hitt Lane	6-10 Years	Not Funded	$129,200	Jefferson	124	26
WX21029233	Cloverwood Road	11-20 Years	Not Funded	$25,000	Bullitt	125	26
WX21223005	Bob Green Rd Ext.	3-5 Years	Not Funded	$19,400	Trimble	126	11
WX21223022	Highway 625-Mt. Pleasant	6-10 Years	Not Funded	$55,000	Trimble	127	12
WX21029028	Cedar Creek Road	3-5 Years	Not Funded	$63,250	Bullitt	128	27
WX21029206	Penn Run Road	6-10 Years	Not Funded	$50,000	Bullitt	129	28
WX21029282	Water Main - Kings Hollow Road	3-5 Years	Not Funded	$288,000	Bullitt	130	29
WX21111096	Murray Lane	6-10 Years	Not Funded	$133,000	Jefferson	131	27
WX21111098	Old Blankenbaker Road	6-10 Years	Not Funded	$12,000	Jefferson	132	28
WX21111099	Old Blankenbaker Road	6-10 Years	Not Funded	$5,800	Jefferson	133	29
WX21111108	Overbrook Drive	6-10 Years	Not Funded	$11,400	Jefferson	134	30
WX21029189	Vine Hill Road	11-20 Years	Not Funded	$42,500	Bullitt	135	30
WX21211050	Stony Point Extension/Loop	3-5 Years	Not Funded	$39,252	Shelby	136	17
WX21211063	Bohannon Farm Extension	11-20 Years	Not Funded	$85,000	Shelby	137	18
WX21111052	Elda Drive	6-10 Years	Not Funded	$174,000	Jefferson	138	31
WX21111106	Old Whipps Mill Road	6-10 Years	Not Funded	$23,000	Jefferson	139	32

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21111111	Plebe Court	6-10 Years	Not Funded	$10,210	Jefferson	140	33
WX21111116	Rocky Lane	6-10 Years	Not Funded	$66,400	Jefferson	141	34
WX21111126	Serendipity Lane	6-10 Years	Not Funded	$16,600	Jefferson	142	35
WX21029151	Pitts Point South Supply	11-20 Years	Not Funded	$227,500	Bullitt	143	31
WX21029255	East Vaughn Road	11-20 Years	Not Funded	$210,000	Bullitt	144	32
WX21111125	Seibel Court	6-10 Years	Not Funded	$25,700	Jefferson	145	36
WX21111131	South Jackson Street	6-10 Years	Not Funded	$11,410	Jefferson	146	37
WX21111135	Spotswood Lane	11-20 Years	Not Funded	$57,800	Jefferson	147	38
WX21029113	Longview Drive	6-10 Years	Not Funded	$22,500	Bullitt	148	33
WX21029278	Ritchie Lane	3-5 Years	Not Funded	$148,000	Bullitt	149	34
WX21111137	Springdale Road	6-10 Years	Not Funded	$192,800	Jefferson	150	39
WX21111127	Smith Road	6-10 Years	Not Funded	$143,000	Jefferson	151	40
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	$926,000	Bullitt	152	35
WX21111090	McCrea Lane	6-10 Years	Not Funded	$9,500	Jefferson	153	41
WX21111105	Old Taylorsville Road	11-20 Years	Not Funded	$17,600	Jefferson	154	42
WX21111150	Watterson Trail	6-10 Years	Not Funded	$51,900	Jefferson	155	43
WX21111151	Watterson Trail	6-10 Years	Not Funded	$80,000	Jefferson	156	44
WX21029269	South Valley View Drive	6-10 Years	Not Funded	$86,400	Bullitt	157	36
WX21111091	Memorial Drive	6-10 Years	Not Funded	$19,900	Jefferson	158	45
WX21111114	Powerhouse Lane	6-10 Years	Not Funded	$23,575	Jefferson	159	46
WX21111128	Snawder Lane	6-10 Years	Not Funded	$43,000	Jefferson	160	47
WX21111132	South Pope Lick Road	11-20 Years	Not Funded	$206,500	Jefferson	161	48
WX21111142	Tindor Way	6-10 Years	Not Funded	$55,000	Jefferson	162	49
WX21111153	Westport Road	6-10 Years	Not Funded	$19,850	Jefferson	163	50
WX21185006	Oldham Co. Water District Wells Installation	3-5 Years	Not Funded	$750,000	Oldham	164	13
WX21185032	Larger Main, Hwy 393 to Buckeye Lane	3-5 Years	Not Funded	$1,050,000	Oldham	165	14
WX21185033	Water Main Along Hwy 53 South to the Shelby County Line	3-5 Years	Not Funded	$358,000	Oldham	166	15
WX21029247	Log Cabin Lane	6-10 Years	Not Funded	$70,000	Bullitt	167	37
WX21111118	Roosevelt Avenue	6-10 Years	Not Funded	$19,750	Jefferson	168	51
WX21111119	Roosevelt Avenue	6-10 Years	Not Funded	$4,295	Jefferson	169	52
WX21111140	Sylvania Road	6-10 Years	Not Funded	$44,000	Jefferson	170	53
WX21215058	Hwy 248 Extension	3-5 Years	Not Funded	$84,480	Spencer	171	17
WX21211064	Mink Run Extension	11-20 Years	Not Funded	$7,500	Shelby	172	19
WX21215004	Elk Creek/Wilsonville Road Upgrade	6-10 Years	Not Funded	$145,000	Spencer	173	18
WX21185002	North West Service Area Water Tank	6-10 Years	Not Funded	$766,000	Oldham	174	16

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21111175	Lead Service Renewals	3-5 Years	Not Funded	$20,000,000	Jefferson	175	54
WX21111130	South Beckley Station Road	11-20 Years	Not Funded	$30,755	Jefferson	176	55
WX21111164	Hardin County/FT Knox Transmission	3-5 Years	Partially Funded	$19,492,000	Jefferson	177	56
WX21111152	Wendler Road	11-20 Years	Not Funded	$139,750	Jefferson	178	57
WX21111147	Vassar Avenue	6-10 Years	Not Funded	$14,500	Jefferson	179	58
WX21111167	Belknap Campus Research Park	3-5 Years	Not Funded	$917,000	Jefferson	180	59
WX21111177	Clean and Reline Crescent Hill Raw Water Reservoirs	3-5 Years	Not Funded	$3,000,000	Jefferson	181	60
WX21029063	Greenwell Ford Road	3-5 Years	Not Funded	$630,000	Bullitt	182	38
WX21111110	Pirtle Street	6-10 Years	Not Funded	$12,500	Jefferson	183	61
WX21111136	Spring Drive	6-10 Years	Not Funded	$30,575	Jefferson	184	62
WX21185010	Westport Well Field Acquisition	3-5 Years	Not Funded	$1,000,000	Oldham	185	17
WX21185017	South Highway 1694 Extension	3-5 Years	Not Funded	$390,000	Oldham	186	18
WX21029205	John Harper Highway	6-10 Years	Not Funded	$360,000	Bullitt	187	39
WX21111115	Ridge Road	6-10 Years	Not Funded	$37,900	Jefferson	188	63
WX21211087	Finchville Elevated Storage Tank & Booster Pump Station	0-2 Years	Not Funded	$2,624,600	Shelby	189	20
WX21211053	Bellview Extension/Loop	3-5 Years	Not Funded	$151,399	Shelby	190	21
WX21029291	Plenmar Drive 4-Inch Water Main Extension	0-2 Years	Not Funded	$184,000	Bullitt	191	40
WX21111146	Valley View Road	6-10 Years	Not Funded	$8,600	Jefferson	192	64
WX21211047	Harley Thompson Extension/Loop	3-5 Years	Not Funded	$39,252	Shelby	193	22
WX21211085	Boat Dock Road Water System Extension	0-2 Years	Not Funded	$68,500	Shelby	194	23
WX21111174	Interstate 265 Transmission Supply	3-5 Years	Not Funded	$5,000,000	Jefferson	195	65
WX21111155	Wolf Run Road	11-20 Years	Not Funded	$54,400	Jefferson	196	66
WX21111138	St. Paul's Church Road	6-10 Years	Not Funded	$18,525	Jefferson	197	67
WX21111166	Water Main Replacement	3-5 Years	Not Funded	$6,500,000	Jefferson	198	68
WX21211044	Catwalk Extension/Loop	3-5 Years	Not Funded	$50,466	Shelby	199	24
WX21111178	Supply Potable Water to Unserved Customers In Jefferson, Bullitt, and Oldham County	6-10 Years	Not Funded	$4,500,000	Jefferson	200	69
WX21185049	OCWD 20-Year Master Plan	3-5 Years	Not Funded	$50,000	Oldham	201	19
WX21111188	Louisville Water Co Amr/Ami Program	6-10 Years	Not Funded	$3,500,000	Jefferson	202	70
			Total Cost:	**$210,037,057**			

Bullitt County

- 2010 census population of 74,319 (29,318 households) with 97% serviceable.
- Projected 2020 population of 88,508 (change of 14,189).
- Bullitt County has 724.58 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,810,100.
- Estimated funding needs for projects from 6 to 10 years: $6,004,400.

Bullitt County has a 2010 census population count of 74,319 (29,318 households) with a projected 2020 population count of 88,508 (34,970 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 119 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 3,180 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Lebanon Junction	2	$379,200	-	30	1.00	1.00	-
City of Mount Washington	2	$173,450	10	-	1.00	-	-
Louisville Water Company	23	$9,261,850	109	3,150	16.00	-	1.00
Totals:	**27**	**$9,814,500**	**119**	**3,180**	**18.00**	**1.00**	**1.00**

Community Drinking Water Systems in Bullitt County

Note: Serviceability counts are for households within Bullitt county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0150242	Lebanon Junction Water Works	Bullitt	2,169	922
KY0150300	Mount Washington Water & Sewer Company	Bullitt	19,269	7,663
KY0560258	Louisville Water Company	Jefferson	46,783	18,375
KY0900323	North Nelson Water District	Nelson	1,564	626
KY1080425	Taylorsville Water Works	Spencer	2,006	745
		Totals:	71,791	28,331

Kentucky Infrastructure Authority
January 04, 2019

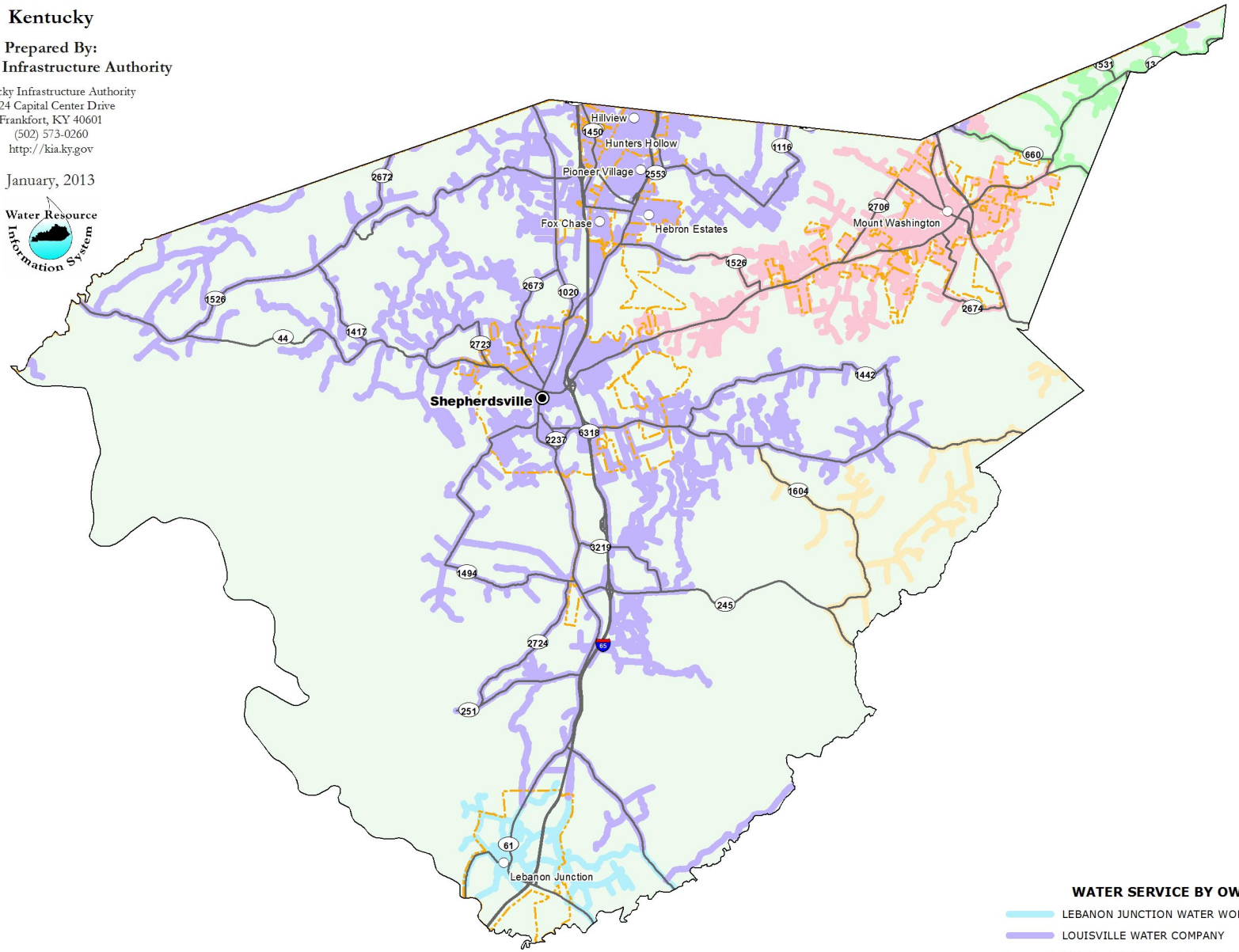
WATER SERVICE AREAS
BULLITT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Lebanon Junction Water Works

PWSID	KY0150242	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$27.98 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	916
Residential Customers	886	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	141.310
Institutional Customers	-	Total Inside Usage (MG)	69.451
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	51%
Total Distribution System Line Length = 36.45 miles (Distribution: 32.44 miles, Transmission: 4.01 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lebanon Junction Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029294	Lebanon Junction Preston Highway Water System Improvements	0-2 Years	Not Funded	$300,000	Bullitt	1	1
WX21029208	Walnut & Bank Street Upgrades	3-5 Years	Not Funded	$79,200	Bullitt	86	16
WX21217028	WTP Improvements- Residuals Handling System Additions	0-2 Years	Partially Funded	$4,362,000	Taylor		

System Summary for Mount Washington Water & Sewer Company

PWSID	KY0150300	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	15	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$25.83 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$30.61 per 4,000 gallons.	Total Connections	9,903
Residential Customers	9,411	Total Produced (MG)	-
Commercial Customers	485	Total Purchased (MG)	617.400
Institutional Customers	-	Total Inside Usage (MG)	551.592
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 162.20 miles (Distribution: 118.71 miles, Transmission: 43.49 miles).

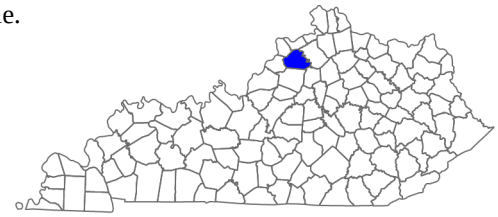
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Mount Washington Water & Sewer Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029242	Flatlick Road Water Main Extension Phase I	3-5 Years	Not Funded	$87,450	Bullitt	28	7
WX21029241	Ramblin Road Water Main Extension	3-5 Years	Not Funded	$86,000	Bullitt	36	9

Henry County

- 2010 census population of 15,416 (6,640 households) with 95% serviceable.
- Projected 2020 population of 15,915 (change of 499).
- Henry County has 418.39 miles of existing water lines.
- 19.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 17.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,189,729.
- Estimated funding needs for projects from 6 to 10 years: $2,150,000.



Henry County has a 2010 census population count of 15,416 (6,640 households) with a projected 2020 population count of 15,915 (6,405 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 20 serviceable households will be added through the construction of 19.00 miles of water line extensions and approximately 6,570 instances of improved service through system wide upgrades. 17.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of New Castle	2	$212,000	-	1,000	-	-	-
Henry County Water District #2	12	$6,937,500	16	5,570	19.00	-	15.00
West Carroll Water District	1	$190,229	4	-	-	-	2.00
Totals:	**15**	**$7,339,729**	**20**	**6,570**	**19.00**	**-**	**17.00**

Community Drinking Water Systems in Henry County

Note: Serviceability counts are for households within Henry county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0520122	Eminence Water Works	Henry	2,522	1,092
KY0520192	Henry County Water District #2	Henry	11,269	4,786
KY0520520	New Castle Water Works	Henry	930	429
KY1060324	North Shelby Water District	Shelby	26	13
		Totals:	14,747	6,320

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
HENRY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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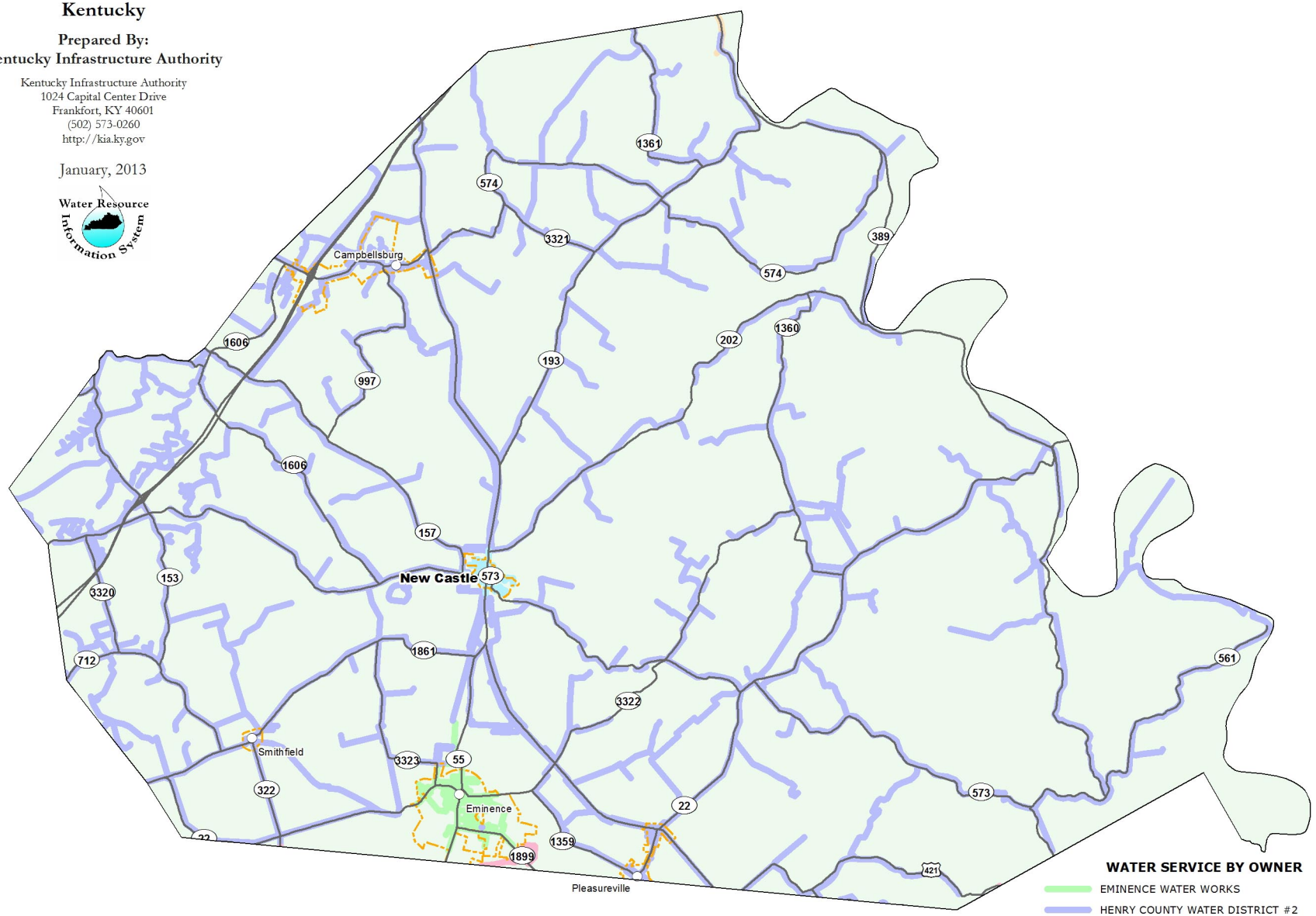


System Summary for Eminence Water Works

PWSID	KY0520122	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$32.76 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,018
Residential Customers	935	Total Produced (MG)	-
Commercial Customers	75	Total Purchased (MG)	72.364
Institutional Customers	-	Total Inside Usage (MG)	72.364
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%

Total Distribution System Line Length = 21.25 miles (Distribution: 20.81 miles, Transmission: 0.44 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Eminence Water Works

Henry County (continued)

System Summary for Henry County Water District #2

PWSID	KY0520192	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 6 sources.
Employees	17	Wholesale Purchaser	No
Non-Municipal Cost	$38.59 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 12 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	-	Total Connections	6,376
Residential Customers	6,319	Total Produced (MG)	672.086
Commercial Customers	149	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	436.108
Industrial Customers	-	Total Wholesale Sold (MG)	96.639
Wholesale Customers	3	Estimated Pct. Water Loss	21%
Total Distribution System Line Length = 498.35 miles (Distribution: 472.00 miles, Transmission: 26.34 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Henry County Water District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21103008	KY 153 Upgrade	6-10 Years	Not Funded	$1,175,000	Henry	13	2
WX21103015	Smithfield Loop	3-5 Years	Not Funded	$459,500	Henry	29	3
WX21103037	US 42 Tank	3-5 Years	Partially Funded	$3,254,000	Henry	32	4
WX21103010	KY 146 Upgrade	3-5 Years	Not Funded	$782,500	Henry	47	5
WX21103014	Fallen Timber - New Castle	6-10 Years	Not Funded	$975,000	Henry	48	6
WX21103019	KY 1359 Loop	3-5 Years	Not Funded	$42,000	Henry	49	7
WX21103011	Sulphur Transmission Main	3-5 Years	Not Funded	$546,000	Henry	61	9
WX21103038	KY 157 Main Upgrade	3-5 Years	Not Funded	$2,080,000	Henry	75	10
WX21103046	Sweeney Lane	3-5 Years	Not Funded	$135,000	Henry	76	11
WX21103018	Radcliff Road to Hwy 712	3-5 Years	Not Funded	$48,000	Henry	88	12
WX21103051	Water Treatment Plant Upgrade	3-5 Years	Not Funded	$5,500,000	Henry	89	13
WX21103043	Bunk Ellis Road	3-5 Years	Not Funded	$50,000	Henry	95	15
WX21103012	Dawkins Lane - Hwy 146 & Kavanaugh Lane to Hwy. 1606	3-5 Years	Not Funded	$134,500	Henry	103	16
WX21103013	Kentucky River Loop	3-5 Years	Not Funded	$480,000	Henry	116	17
WX21103033	Albert Moore Road Extension.	3-5 Years	Not Funded	$80,000	Henry	117	18
WX21103045	Martini Lane to Webb Lane Upgrade	3-5 Years	Not Funded	$300,000	Henry	123	19

System Summary for New Castle Water Works

PWSID	KY0520520	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$46.13 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	$46.13 per 4,000 gallons.	Total Connections	475
Residential Customers	435	Total Produced (MG)	-
Commercial Customers	45	Total Purchased (MG)	24.275
Institutional Customers	-	Total Inside Usage (MG)	22.234
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 6.13 miles (Distribution: 5.57 miles, Transmission: 0.55 miles).

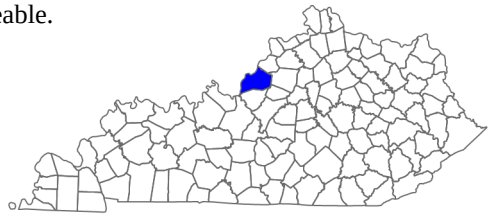
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for New Castle Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21103048	City of New Castle - College St Water Line Replacement	3-5 Years	Not Funded	$104,000	Henry	6	1
WX21103050	City of New Castle - Water System Improvements Project	3-5 Years	Not Funded	$108,000	Henry	90	14

Jefferson County

- 2010 census population of 741,096 (337,616 households) with 99% serviceable.
- Projected 2020 population of 793,817 (change of 52,721).
- Jefferson County has 3,496.33 miles of existing water lines.
- 33.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 12.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $97,923,848.
- Estimated funding needs for projects from 6 to 10 years: $10,492,860.



Jefferson County has a 2010 census population count of 741,096 (337,616 households) with a projected 2020 population count of 793,817 (336,744 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 96,017 serviceable households will be added through the construction of 33.00 miles of water line extensions and approximately 609 instances of improved service through the rehabilitation of 6.00 miles of existing water lines and other appurtenances. 12.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Hardin County Water District #1	1	$6,437,000	-	-	-	-	-
Louisville Water Company	50	$101,979,708	96,017	609	33.00	6.00	12.00
Totals:	**51**	**$108,416,708**	**96,017**	**609**	**33.00**	**6.00**	**12.00**

Community Drinking Water Systems in Jefferson County

Note: Serviceability counts are for households within Jefferson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0560258	Louisville Water Company	Jefferson	735,466	334,718
KY0150300	Mount Washington Water & Sewer Company	Bullitt	51	18
KY1060324	North Shelby Water District	Shelby	41	15
KY1060457	West Shelby Water District	Shelby	245	98
KY1080425	Taylorsville Water Works	Spencer	283	116
		Totals:	736,086	334,965

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
JEFFERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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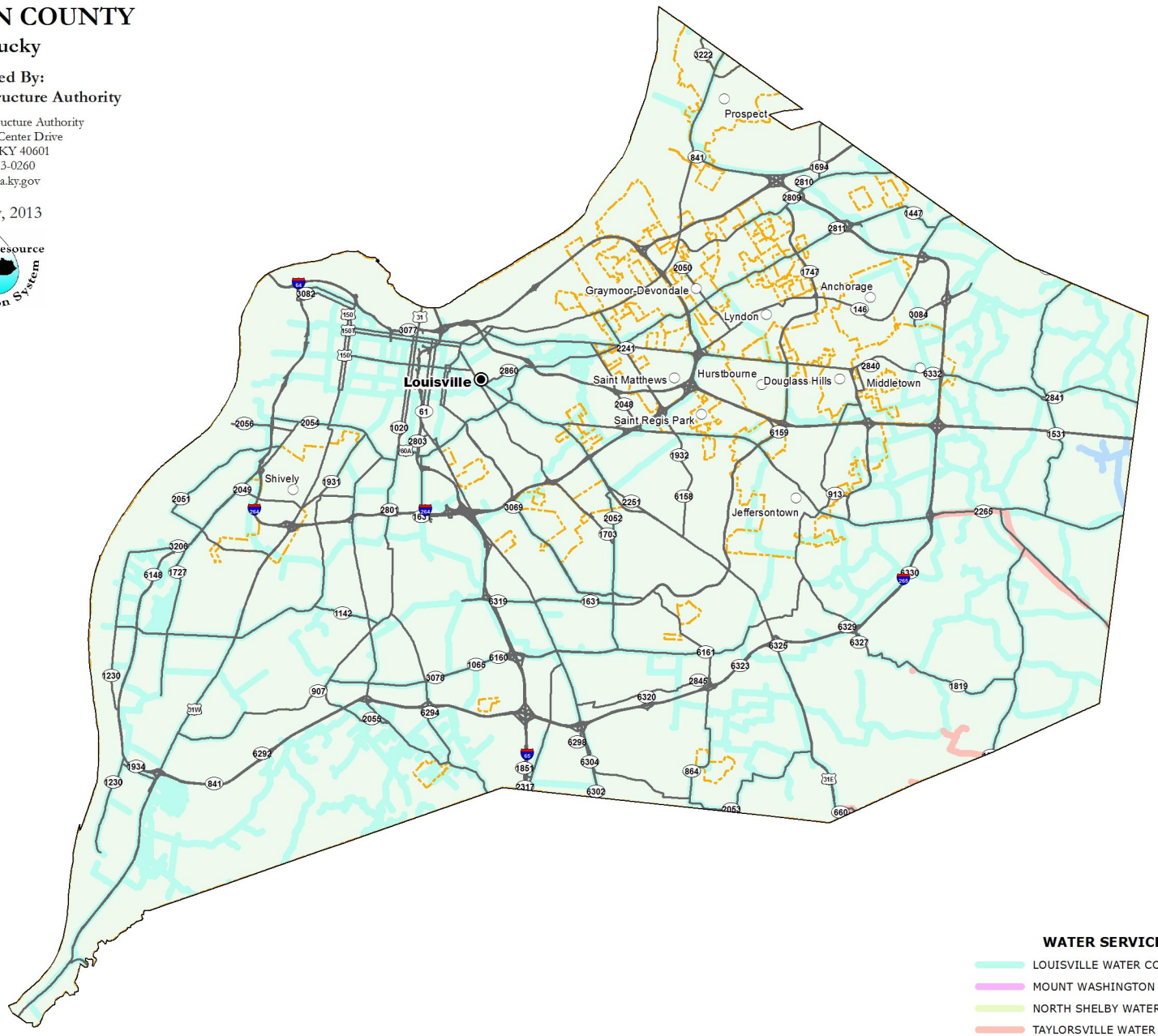
Water Resource Information System



System Summary for Louisville Water Company

PWSID	KY0560258	Treats Water	Yes, 2 plants with total capacity of 240.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 5 sources.
Employees	452	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 6 purchasers.
Inside Mun. Cost	$22.25 per 4,000 gallons.	Storage Capacity	Yes, 40 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$22.25 per 4,000 gallons.	Total Connections	284,301
Residential Customers	248,331	Total Produced (MG)	42,500.000
Commercial Customers	23,024	Total Purchased (MG)	-
Institutional Customers	633	Total Inside Usage (MG)	32,659.623
Industrial Customers	416	Total Wholesale Sold (MG)	2,010.084
Wholesale Customers	6	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 4,155.03 miles (Distribution: 4,155.03 miles, Transmission: 0.00 miles).

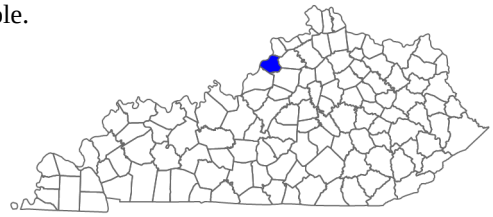
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Louisville Water Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21111187	Lead Service Renewals	3-5 Years	Not Funded	$1,500,000	Jefferson	4	1
WX21029166	Roe Hill Road	3-5 Years	Not Funded	$641,200	Bullitt	8	2
WX21111163	Water Main Rehabilitation	3-5 Years	Partially Funded	$7,455,001	Jefferson	12	2
WX21029130	Newman Hill Road	6-10 Years	Not Funded	$231,000	Bullitt	15	3
WX21111161	Crittenden Drive, 5018 to 7800 Block	3-5 Years	Not Funded	$700,000	Jefferson	18	3
WX21111172	Vernetta Way Water Main Extension	3-5 Years	Partially Funded	$210,000	Jefferson	19	4
WX21029095	Kerr Lane	6-10 Years	Not Funded	$45,000	Bullitt	20	4
WX21111173	Buttermilk Ridge Rd Main Extension	3-5 Years	Partially Funded	$165,000	Jefferson	22	5
WX21111186	Harrod's Old Trace Main Extension	6-10 Years	Partially Funded	$362,000	Jefferson	25	6
WX21029253	Perkins Lane	3-5 Years	Not Funded	$192,000	Bullitt	26	6
WX21185021	Old Lagrange Road Extension	3-5 Years	Not Funded	$227,250	Oldham	30	3
WX21111168	North Shelby Regional Storage	3-5 Years	Not Funded	$2,500,000	Jefferson	34	8
WX21029025	Cave Hollow	3-5 Years	Not Funded	$175,000	Bullitt	35	8
WX21111005	Alton Road	6-10 Years	Not Funded	$33,000	Jefferson	38	9
WX21185019	Old Zaring Road Extension	3-5 Years	Not Funded	$135,000	Oldham	41	4
WX21185025	Goshen Lane Extension	6-10 Years	Not Funded	$60,000	Oldham	42	5
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	44	7
WX21111014	Billtown Road Water Main	6-10 Years	Not Funded	$48,000	Jefferson	50	10

Oldham County

- 2010 census population of 60,316 (20,688 households) with 89% serviceable.
- Projected 2020 population of 74,990 (change of 14,674).
- Oldham County has 458.29 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,088,750.
- Estimated funding needs for projects from 6 to 10 years: $10,926,000.



Oldham County has a 2010 census population count of 60,316 (20,688 households) with a projected 2020 population count of 74,990 (26,354 households). Public water is currently available to approximately 89 percent of the county's households based on 2010 census counts. Over the next ten years approximately 79 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 8,170 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Louisville Water Company	12	$10,990,750	67	-	9.00	-	-
Oldham County Water District	8	$11,024,000	12	8,170	4.00	-	-
Totals:	**20**	**$22,014,750**	**79**	**8,170**	**13.00**	**-**	**-**

Community Drinking Water Systems in Oldham County

Note: Serviceability counts are for households within Oldham county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0930481	Lagrange Utilities Commission	Oldham	8,857	3,492
KY0930333	Oldham County Water District	Oldham	19,230	5,608
KY0520192	Henry County Water District #2	Henry	596	224
KY0560258	Louisville Water Company	Jefferson	25,299	9,171
		Totals:	53,982	18,495

Kentucky Infrastructure Authority
January 04, 2019

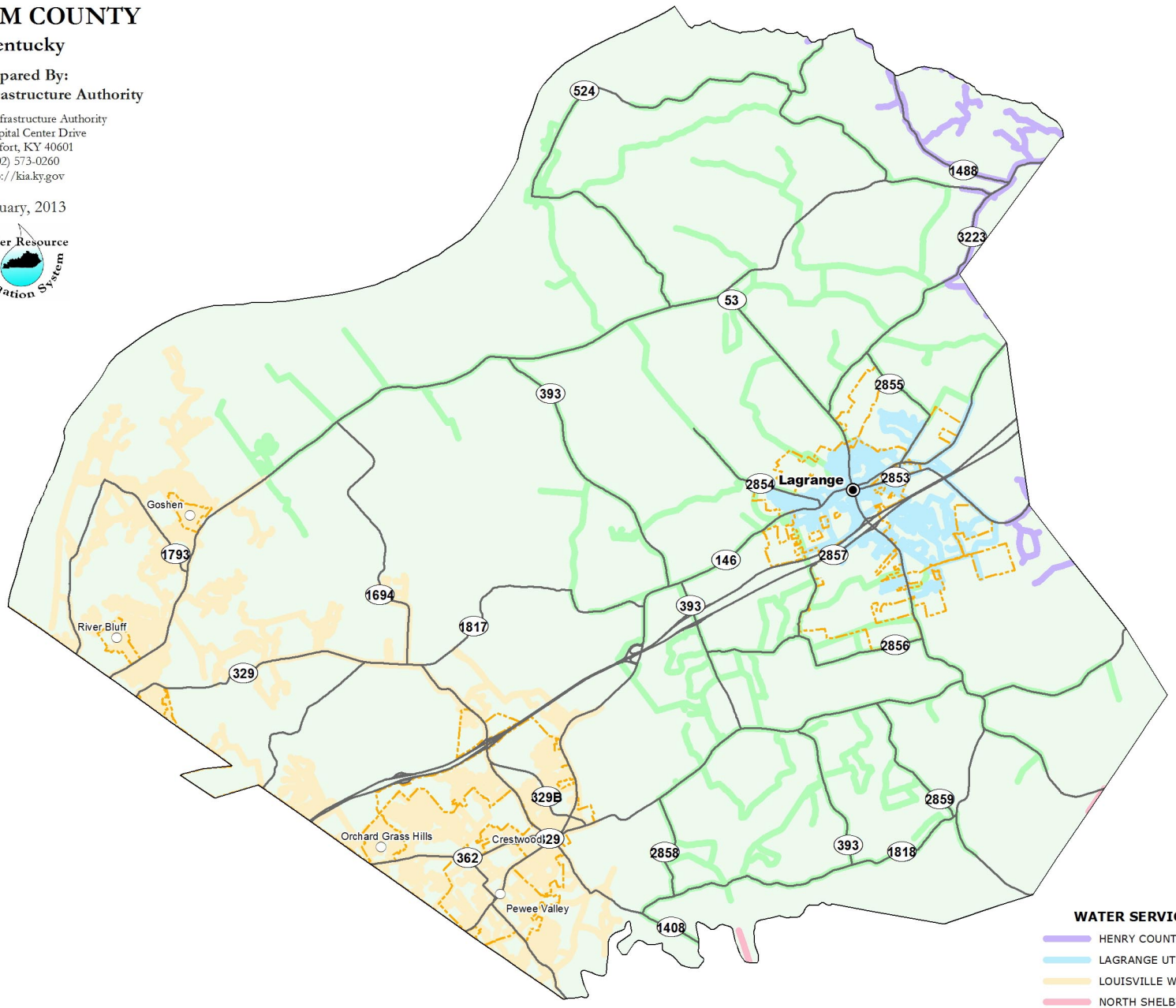
WATER SERVICE AREAS
OLDHAM COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Lagrange Utilities Commission

PWSID	KY0930481	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$23.24 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$29.09 per 4,000 gallons.	Total Connections	3,588
Residential Customers	3,105	Total Produced (MG)	-
Commercial Customers	342	Total Purchased (MG)	332.001
Institutional Customers	-	Total Inside Usage (MG)	267.883
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 73.20 miles (Distribution: 72.09 miles, Transmission: 1.11 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Lagrange Utilities Commission

System Summary for Oldham County Water District

PWSID	KY0930333	Treats Water	Yes, 1 plant with total capacity of 5.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 12 sources.
Employees	18	Wholesale Purchaser	No
Non-Municipal Cost	$23.64 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 11 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	-	Total Connections	8,285
Residential Customers	7,872	Total Produced (MG)	1,352.408
Commercial Customers	411	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	968.677
Industrial Customers	2	Total Wholesale Sold (MG)	332.001
Wholesale Customers	1	Estimated Pct. Water Loss	4%

Total Distribution System Line Length = 168.39 miles (Distribution: 166.13 miles, Transmission: 2.26 miles).

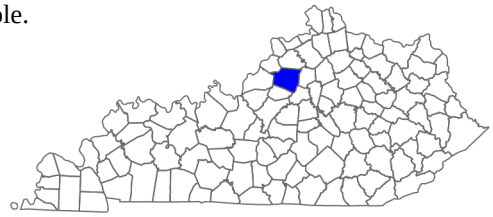
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21185030	Storage Tank US 42 and Liberty Lane	0-2 Years	Partially Funded	$2,200,000	Oldham	7	1
WX21185050	18-inch water main connecting Buckner Crossing with Quality Place	6-10 Years	Not Funded	$1,600,000	Oldham	14	2
WX21185051	Central Service Area Water Tank	6-10 Years	Not Funded	$4,000,000	Oldham	108	11
WX21185006	Oldham Co. Water District Wells Installation	3-5 Years	Not Funded	$750,000	Oldham	164	13
WX21185032	Larger Main, Hwy 393 to Buckeye Lane	3-5 Years	Not Funded	$1,050,000	Oldham	165	14
WX21185033	Water Main Along Hwy 53 South to the Shelby County Line	3-5 Years	Not Funded	$358,000	Oldham	166	15
WX21185002	North West Service Area Water Tank	6-10 Years	Not Funded	$766,000	Oldham	174	16
WX21185010	Westport Well Field Acquisition	3-5 Years	Not Funded	$1,000,000	Oldham	185	17
WX21185049	OCWD 20-Year Master Plan	3-5 Years	Not Funded	$50,000	Oldham	201	19

Shelby County

- 2010 census population of 42,074 (16,606 households) with 98% serviceable.
- Projected 2020 population of 51,944 (change of 9,870).
- Shelby County has 641.84 miles of existing water lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 35.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $57,024,212.
- Estimated funding needs for projects from 6 to 10 years: $860,000.



Shelby County has a 2010 census population count of 42,074 (16,606 households) with a projected 2020 population count of 51,944 (19,663 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 73 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 28,999 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances. 35.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Taylorsville	2	$2,615,000	-	43	-	3.00	-
Henry County Water District #2	1	$50,000	1	-	1.00	-	-
North Shelby Water Company	10	$4,363,017	15	-	7.00	-	4.00
Shelby County Fiscal Court	3	$41,400,000	50	16,500	-	-	22.00
Shelbyville Municipal Water & Sewer Commission	4	$7,786,100	5	12,000	2.00	-	3.00
US 60 Water District	3	$868,295	2	6	1.00	-	-
West Shelby Water District	1	$801,800	-	450	-	-	6.00
Totals:	**24**	**$57,884,212**	**73**	**28,999**	**11.00**	**3.00**	**35.00**

Community Drinking Water Systems in Shelby County

Note: Serviceability counts are for households within Shelby county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1060324	North Shelby Water District	Shelby	8,542	3,314
KY1060394	Shelbyville Municipal Water & Sewer Commission	Shelby	22,024	8,915
KY1060436	US 60 Water District	Shelby	3,619	1,497
KY1060457	West Shelby Water District	Shelby	4,875	1,875
KY0520192	Henry County Water District #2	Henry	689	287
KY1080425	Taylorsville Water Works	Spencer	680	290
		Totals:	40,429	16,178

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
SHELBY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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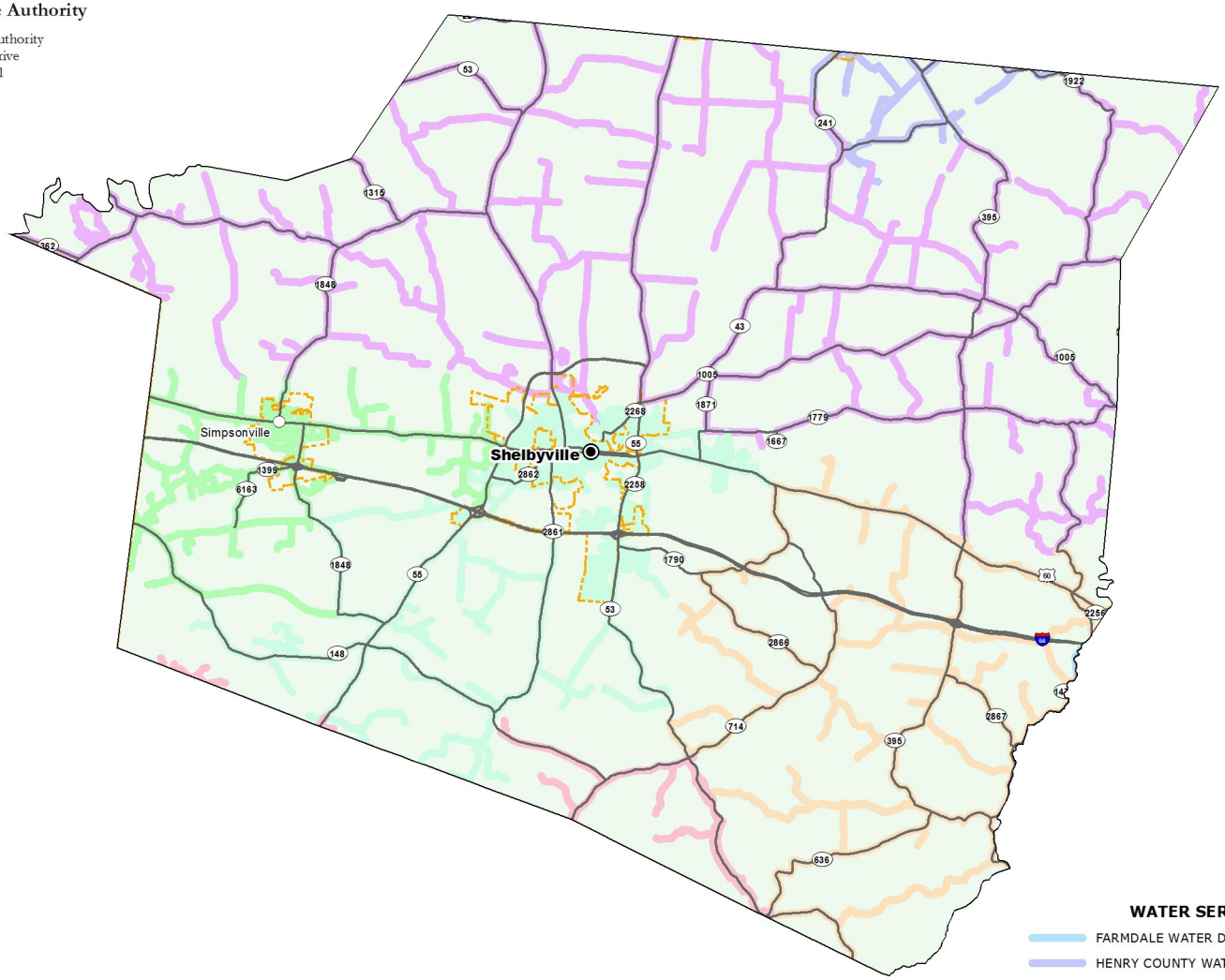
Water Resource Information System



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WATER SERVICE BY OWNER

- FARMDALE WATER DISTRICT
- HENRY COUNTY WATER DISTRICT #2
- LOUISVILLE WATER COMPANY
- NORTH SHELBY WATER DISTRICT
- SHELBYVILLE MUNICIPAL WATER & SEWER COMMISSION
- TAYLORSVILLE WATER WORKS
- US 60 WATER DISTRICT
- WEST SHELBY WATER DISTRICT

System Summary for North Shelby Water District

PWSID	KY1060324	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$36.10 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,903
Residential Customers	4,890	Total Produced (MG)	-
Commercial Customers	39	Total Purchased (MG)	428.023
Institutional Customers	-	Total Inside Usage (MG)	391.193
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 310.46 miles (Distribution: 287.58 miles, Transmission: 22.88 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Shelby Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21211052	Clear Creek to Hwy 43	3-5 Years	Not Funded	$56,074	Shelby	16	3
WX21211038	Busey Extension	3-5 Years	Not Funded	$56,074	Shelby	39	5
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	44	7
WX21211042	North Shelby Water Tank	3-5 Years	Not Funded	$1,100,000	Shelby	59	10
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby	91	13
WX21211076	North Shelby Pump Station Improvements	0-2 Years	Not Funded	$1,070,000	Shelby	92	14
WX21211078	North Shelby Bypass Transmission Main	0-2 Years	Not Funded	$1,732,000	Shelby	93	15
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby	94	16
WX21211050	Stony Point Extension/Loop	3-5 Years	Not Funded	$39,252	Shelby	136	17
WX21211053	Bellview Extension/Loop	3-5 Years	Not Funded	$151,399	Shelby	190	21
WX21211047	Harley Thompson Extension/Loop	3-5 Years	Not Funded	$39,252	Shelby	193	22
WX21211044	Catwalk Extension/Loop	3-5 Years	Not Funded	$50,466	Shelby	199	24

System Summary for Shelbyville Municipal Water & Sewer Commission

PWSID	KY1060394	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	23	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$18.24 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$21.03 per 4,000 gallons.	Total Connections	8,296
Residential Customers	8,119	Total Produced (MG)	980.670
Commercial Customers	458	Total Purchased (MG)	-
Institutional Customers	34	Total Inside Usage (MG)	776.316
Industrial Customers	44	Total Wholesale Sold (MG)	160.336
Wholesale Customers	2	Estimated Pct. Water Loss	4%

Total Distribution System Line Length = 186.37 miles (Distribution: 186.37 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Shelbyville Municipal Water & Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21211017	Zaring Mill Road Extension	3-5 Years	Not Funded	$175,000	Shelby	43	6
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	44	7
WX21211019	Tatum Road - Locust Grove Connection	3-5 Years	Not Funded	$50,000	Shelby	85	12
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby	91	13
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby	94	16

System Summary for US 60 Water District

PWSID	KY1060436	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$36.00 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,230
Residential Customers	2,376	Total Produced (MG)	-
Commercial Customers	16	Total Purchased (MG)	173.763
Institutional Customers	-	Total Inside Usage (MG)	146.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 152.94 miles (Distribution: 124.05 miles, Transmission: 28.90 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for US 60 Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21211054	US 60 Water District Radio Reads	6-10 Years	Not Funded	$770,000	Shelby	9	2
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	44	7
WX21211061	Grubbs Lane	6-10 Years	Not Funded	$90,000	Shelby	58	9
WX21215057	Fred Bauer Road Extension	3-5 Years	Not Funded	$12,672	Spencer	79	14
WX21211028	Ritter Road Extension	3-5 Years	Not Funded	$8,295	Shelby	84	11
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby	91	13
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby	94	16
WX21215058	Hwy 248 Extension	3-5 Years	Not Funded	$84,480	Spencer	171	17

System Summary for West Shelby Water District

PWSID	KY1060457	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$26.38 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,995
Residential Customers	1,809	Total Produced (MG)	-
Commercial Customers	125	Total Purchased (MG)	287.136
Institutional Customers	13	Total Inside Usage (MG)	188.126
Industrial Customers	21	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	34%

Total Distribution System Line Length = 81.20 miles (Distribution: 81.20 miles, Transmission: 0.00 miles).

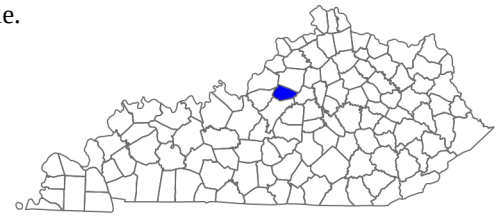
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Shelby Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21211074	Water System Rehabilitation	3-5 Years	Not Funded	$801,800	Shelby	2	1
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	44	7
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby	91	13
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby	94	16

Spencer County

- 2010 census population of 17,061 (6,704 households) with 95% serviceable.
- Projected 2020 population of 23,655 (change of 6,594).
- Spencer County has 344.80 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 31.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,503,904.
- Estimated funding needs for projects from 6 to 10 years: $710,268.



Spencer County has a 2010 census population count of 17,061 (6,704 households) with a projected 2020 population count of 23,655 (9,025 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 10 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 1,306 instances of improved service through the rehabilitation of 31.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Taylorsville	11	$3,751,644	6	1,256	3.00	31.00	-
North Nelson Water District	2	$365,376	2	50	3.00	-	-
US 60 Water District	2	$97,152	2	-	6.00	-	-
Totals:	**15**	**$4,214,172**	**10**	**1,306**	**12.00**	**31.00**	**-**

Community Drinking Water Systems in Spencer County

Note: Serviceability counts are for households within Spencer county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1080425	Taylorsville Water Works	Spencer	15,512	6,065
KY0900323	North Nelson Water District	Nelson	470	186
KY1060436	US 60 Water District	Shelby	232	94
		Totals:	16,214	6,345

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
SPENCER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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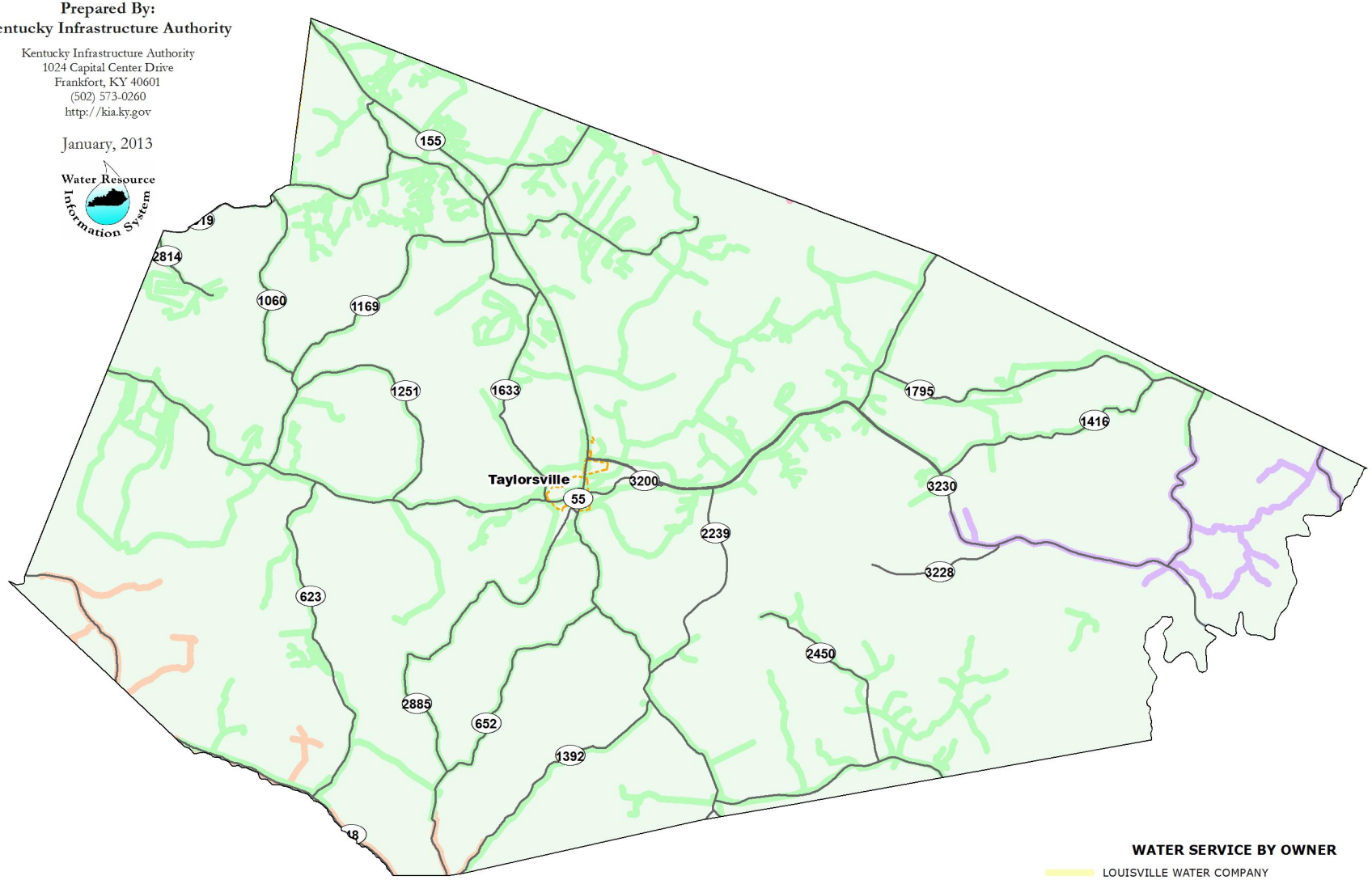


WATER SERVICE BY OWNER

- LOUISVILLE WATER COMPANY
- NORTH NELSON WATER DISTRICT
- SHELBYVILLE MUNICIPAL WATER & SEWER COMMISSION
- SOUTH ANDERSON WATER DISTRICT
- TAYLORSVILLE WATER WORKS
- US 60 WATER DISTRICT

System Summary for Taylorsville Water Works

PWSID	KY1080425	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	15	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$24.43 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$39.64 per 4,000 gallons.	Total Connections	7,257
Residential Customers	6,574	Total Produced (MG)	-
Commercial Customers	443	Total Purchased (MG)	567.000
Institutional Customers	-	Total Inside Usage (MG)	470.668
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 355.62 miles (Distribution: 352.35 miles, Transmission: 3.27 miles).

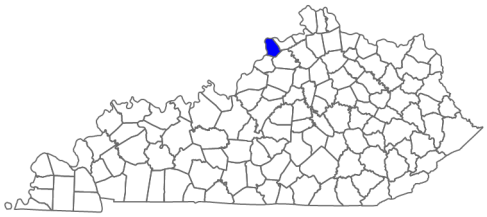
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Taylorsville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21215009	Southville Pike – SR 44 Upgrade	3-5 Years	Not Funded	$375,000	Spencer	5	1
WX21215002	Mill Road Upgrade SR 1795	6-10 Years	Not Funded	$330,000	Spencer	11	2
WX21215007	Normandy Road – Upgrade	3-5 Years	Not Funded	$225,000	Spencer	17	3
WX21215043	Overlook Road	3-5 Years	Not Funded	$101,376	Spencer	21	4
WX21215006	Bloomfield Road North SR 55 - Upgrade	3-5 Years	Not Funded	$85,000	Spencer	24	5
WX21215005	Bloomfield Road – South SR 55 Upgrade	3-5 Years	Not Funded	$220,000	Spencer	27	6
WX21215011	Plum Ridge Road Upgrade	6-10 Years	Not Funded	$170,000	Spencer	37	7
WX21215008	Town Hill Road – Upgrade	3-5 Years	Not Funded	$80,000	Spencer	40	8
WX21215010	Yoder Station Road	6-10 Years	Not Funded	$65,268	Spencer	64	9
WX21215014	Goose Creek Loop Line	3-5 Years	Not Funded	$90,000	Spencer	72	11
WX21215016	Possum Ridge Water Tank & Pump Station Replacement & Town Hill Water Main Replacement	0-2 Years	Partially Funded	$2,240,000	Spencer	73	12
WX21215004	Elk Creek/Wilsonville Road Upgrade	6-10 Years	Not Funded	$145,000	Spencer	173	18

Trimble County

- 2010 census population of 8,809 (3,930 households) with 92% serviceable.
- Projected 2020 population of 9,514 (change of 705).
- Trimble County has 270.16 miles of existing water lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,427,942.
- Estimated funding needs for projects from 6 to 10 years: $373,500.



Trimble County has a 2010 census population count of 8,809 (3,930 households) with a projected 2020 population count of 9,514 (3,855 households). Public water is currently available to approximately 92 percent of the county's households based on 2010 census counts. Over the next ten years approximately 41 serviceable households will be added through the construction of 10.00 miles of water line extensions and approximately 3,221 instances of improved service through the rehabilitation of 6.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Milton	8	$1,197,800	27	1,290	5.00	6.00	-
Henry County Water District #2	3	$9,054,000	-	-	1.00	-	-
Trimble County Water District #1	3	$2,400,000	5	1,931	3.00	-	-
West Carroll Water District	2	$149,642	9	-	1.00	-	-
Totals:	**16**	**$12,801,442**	**41**	**3,221**	**10.00**	**6.00**	**-**

Community Drinking Water Systems in Trimble County

Note: Serviceability counts are for households within Trimble county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1120289	Milton Water & Sewer Department	Trimble	2,386	1,139
KY1120431	Trimble County Water District #1	Trimble	3,511	1,521
KY0210008	West Carroll Water District - Carrollton	Carroll	430	199
KY0520192	Henry County Water District #2	Henry	1,890	772
		Totals:	8,217	3,631

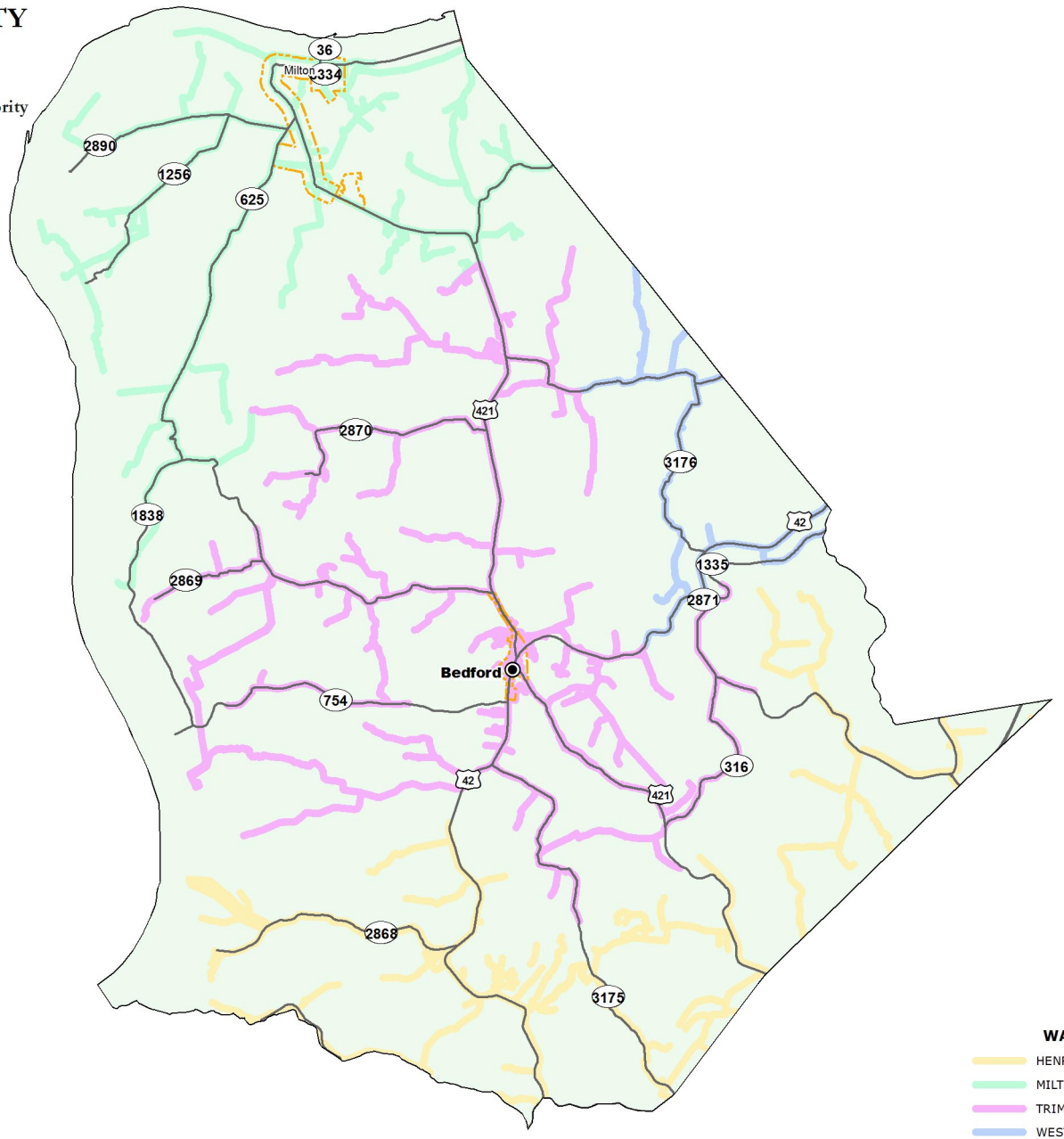
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
TRIMBLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



WATER SERVICE BY OWNER

- HENRY COUNTY WATER DISTRICT #2
- MILTON WATER & SEWER DEPARTMENT
- TRIMBLE COUNTY WATER DISTRICT #1
- WEST CARROLL WATER DISTRICT - CARROLLTON
- WEST CARROLL WATER DISTRICT - MILTON

System Summary for Milton Water & Sewer Department

PWSID	KY1120289	Treats Water	Yes, 1 plant with total capacity of 0.576 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$33.00 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.00 per 4,000 gallons.	Total Connections	1,406
Residential Customers	1,350	Total Produced (MG)	98.698
Commercial Customers	30	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	59.669
Industrial Customers	-	Total Wholesale Sold (MG)	1.087
Wholesale Customers	1	Estimated Pct. Water Loss	38%
Total Distribution System Line Length = 73.33 miles (Distribution: 56.00 miles, Transmission: 17.32 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Milton Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21223004	Tilley Lane Ext.	3-5 Years	Not Funded	$125,000	Trimble	3	1
WX21223010	S. Spillman Lane Ext.	3-5 Years	Not Funded	$70,000	Trimble	10	2
WX21223030	Meter Replacement Project	0-2 Years	Partially Funded	$400,000	Trimble	68	5
WX21223037	System Reliability Upgrades	0-2 Years	Not Funded	$480,000	Trimble	83	7
WX21223006	Mitchell, Cedar Ridge Rd Ext.	3-5 Years	Not Funded	$26,000	Trimble	114	9
WX21223009	Schoolhouse Rd Ext.	3-5 Years	Not Funded	$22,400	Trimble	115	10
WX21223005	Bob Green Rd Ext.	3-5 Years	Not Funded	$19,400	Trimble	126	11
WX21223022	Highway 625-Mt. Pleasant	6-10 Years	Not Funded	$55,000	Trimble	127	12

System Summary for Trimble County Water District #1

PWSID	KY1120431	Treats Water	Yes, 1 plant with total capacity of 1.110 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 4 sources.
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	$37.53 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,480
Residential Customers	1,400	Total Produced (MG)	101.656
Commercial Customers	65	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	88.559
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 112.09 miles (Distribution: 90.80 miles, Transmission: 21.30 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Trimble County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21223021	Trimble Area Optimization Plan	3-5 Years	Not Funded	$2,000,000	Trimble	66	3
WX21223028	Watson Lane Waterline Extension	3-5 Years	Not Funded	$100,000	Trimble	67	4
WX21223029	Lower Middle Creek Waterline Extension	6-10 Years	Not Funded	$300,000	Trimble	112	8

Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 90% serviceable.
- Projected 2020 population of 111,267 (change of -3,495).
- 2,595.34 miles of existing water lines.
- 233.00 miles of line extensions proposed in the next 10 years.
- 55.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $144,630,000.
- Estimated funding needs for projects from 6 to 10 years: $8,196,414.
- Average age of structures: water treatment plants is 27 years; water tanks is 20 years.
- Total number of interconnected systems is 20.
- 45 miles of asbestos concrete pipe currently in use.
- 1,141 miles of water lines less than 15 years old.
- 951 miles of water lines between 15 and 30 years old.
- 444 miles of water lines between 31 and 50 years old.
- 40 miles of water lines between 51 and 70 years old.
- 0 miles of water lines greater than 70 years old.

Kentucky River Area Development District has a 2010 census population count of 114,762 (52,786 households) with a projected 2020 population count of 111,267 (45,823 households). Public water is currently available to approximately 90 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,055 serviceable households will be added through the construction of 233.00 miles of water line extensions and approximately 46,846 instances of improved service through the rehabilitation of 55.00 miles of existing water lines and other appurtenances. 16.00 miles of transmission lines are also proposed within this district.

County Summary for Kentucky River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Breathitt	13,878	6,231	12,495	5,046	5,606	90%	$ 24,998,506
Knott	16,346	7,461	15,635	6,332	7,082	95%	$ 11,984,834
Lee	7,887	3,436	7,820	3,014	3,121	91%	$ 1,614,421
Leslie	11,310	5,278	10,603	4,377	4,778	91%	$ 8,836,000
Letcher	24,519	11,601	24,237	10,161	9,282	80%	$ 76,666,342
Owsley	4,755	2,328	4,704	1,971	2,227	96%	$ 8,486,616
Perry	28,712	12,791	28,137	11,637	11,928	93%	$ 15,950,795
Wolfe	7,355	3,660	7,636	3,285	3,295	90%	$ 4,288,900
Totals	**114,762**	**52,786**	**111,267**	**45,823**	**47,319**	**90%**	**$ 152,826,414**

Kentucky Infrastructure Authority
January 04, 2019

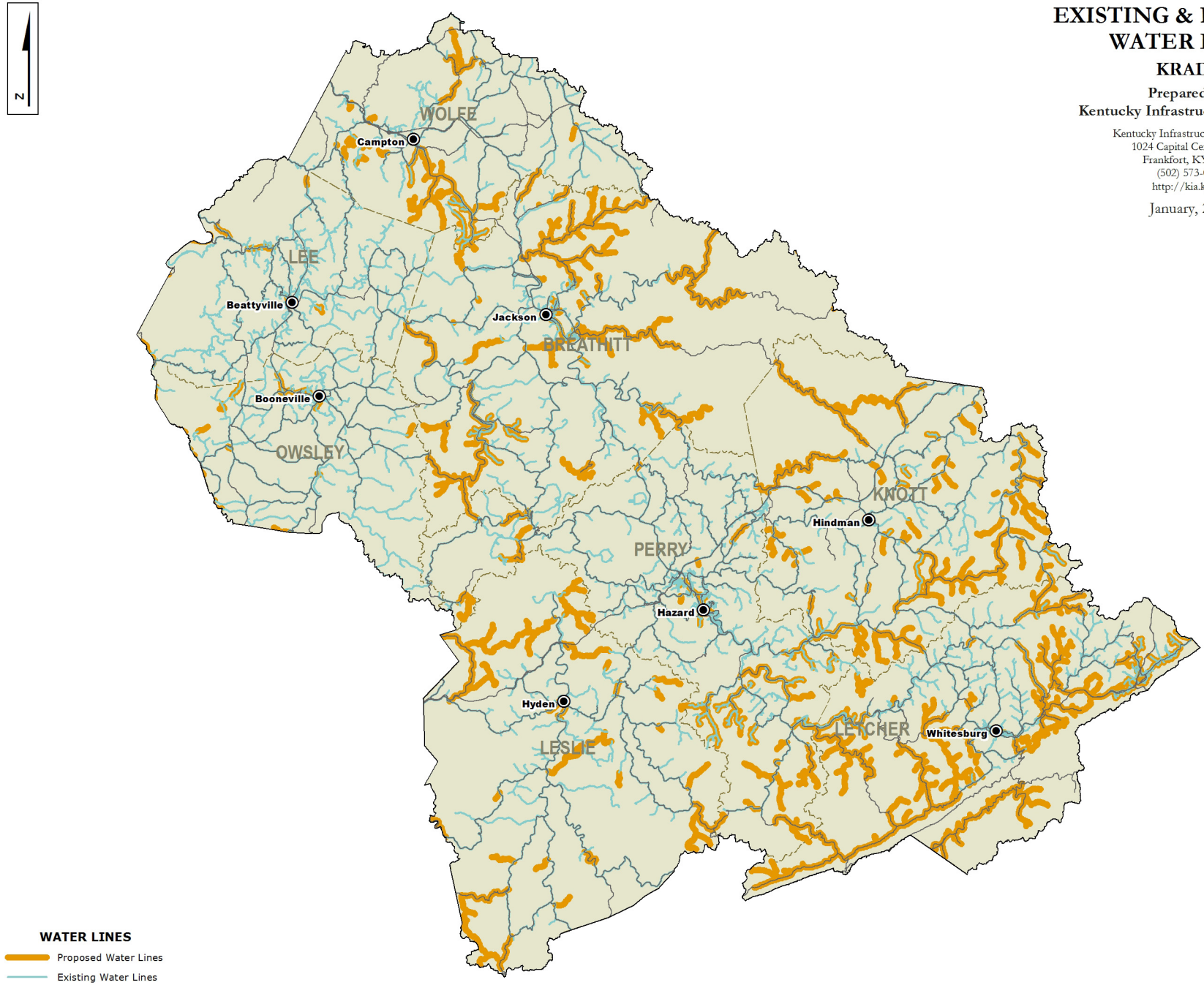
EXISTING & PROPOSED WATER LINES

KRADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Kentucky River Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0131012	Breathitt County Water District	Breathitt	7,393	3,267
KY0130208	Jackson Municipal Water Works	Breathitt	4,801	2,213
KY0600198	Hindman Water Department	Knott	2,938	1,416
KY0600062	Knott Co Water & Sewer District	Knott	11,761	5,304
KY0600129	Phoenix Place Water System	Knott	241	108
KY0650024	Beattyville Water Works	Lee	7,290	3,132
KY0660204	Hyden Leslie Co Water District	Leslie	10,296	4,788
KY0670279	Fleming-Neon Water Company	Letcher	3,081	1,535
KY0670213	Jenkins Water System	Letcher	2,612	1,244
KY0670462	Letcher County Water and Sewer District	Letcher	10,726	5,057
KY0670466	Whitesburg Water System	Letcher	3,203	1,482
KY0950036	Booneville Water and Sewer	Owsley	4,787	2,341
KY0970184	Hazard Water Department	Perry	23,235	10,384
KY0970484	Perry County Water & Sewer	Perry	3,019	1,324
KY0971007	Village of Buckhorn	Perry	985	419
KY1190061	Campton Water System	Wolfe	6,715	3,362
		Totals:	103,083	47,376

Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133035	Water Line Extensions for Federal Prison Facility at Roxanna	3-5 Years	Partially Funded	$6,517,000	Letcher	1	1
WX21119024	Highway 80 Drone Port Water Project	3-5 Years	Not Funded	$638,220	Knott	2	1
WX21131011	Phase III a Water System Improvements	3-5 Years	Not Funded	$3,060,000	Leslie	3	1
WX21237014	Hazel Green 2017 Water Line Extension	3-5 Years	Not Funded	$595,000	Wolfe	4	1
WX21129004	Beattyville - Bear Track Waterline Replacement	3-5 Years	Not Funded	$612,000	Lee	5	1
WX21189010	Waterline Rehabilitation Phase I	3-5 Years	Not Funded	$500,000	Owsley	6	1
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	$1,994,812	Breathitt	7	1
WX21025008	Breathitt County Hwy 30 East and KY 542 Lambric Waterline Extensions	3-5 Years	Not Funded	$2,328,000	Breathitt	8	2
WX21193040	KY RT 80/KY RT 476 Interconnect Project	3-5 Years	Not Funded	$1,700,600	Perry	9	1
WX21237009	Spring Branch, Kelse Holland Fork And B. Potter Fork Water Line	0-2 Years	Not Funded	$227,000	Wolfe	10	2
WX21237102	Campton Lake Dam Repair Project	0-2 Years	Over Funded	$168,000	Wolfe	11	3
WX21189009	Booneville Pump Repairs Phase II	0-2 Years	Not Funded	$154,016	Owsley	12	2
WX21131002	Phase III b Water System Improvements	3-5 Years	Partially Funded	$4,621,000	Leslie	13	2
WX21133058	KY 805 Crossing, City Tank and Side Roads in Burdine Project	3-5 Years	Not Funded	$1,537,000	Letcher	14	2
WX21189500	Booneville Radio Read Meter Project	3-5 Years	Not Funded	$498,500	Owsley	15	3
WX21025054	KY 15 Waterline Extension	3-5 Years	Not Funded	$1,868,500	Breathitt	16	3
WX21119011	Hindman Waterline Extensions	3-5 Years	Not Funded	$1,130,000	Knott	17	2
WX21193041	Buckhorn Lodge Bore Project	0-2 Years	Not Funded	$97,290	Perry	18	2
WX21131004	Phase IV Water System Improvements	3-5 Years	Not Funded	$1,263,500	Leslie	19	3
WX21131006	Phase VI Water System Improvements	3-5 Years	Not Funded	$655,000	Leslie	20	4
WX21133055	Waterline Replacement and Water Tank Rehab	3-5 Years	Not Funded	$1,305,000	Letcher	21	5
WX21133038	Waterline Improvement Project Phase 3	3-5 Years	Not Funded	$1,584,886	Letcher	22	6
WX21133037	Waterline Improvement Project Phase 2	3-5 Years	Not Funded	$1,825,899	Letcher	23	7
WX21133034	Fleming-Neon Waterline Improvement Project - Phase I	3-5 Years	Not Funded	$2,791,114	Letcher	24	8
WX21131009	SR 1850 Rye Cove Waterline Extension	3-5 Years	Not Funded	$500,000	Leslie	25	5
WX21193034	Buckhorn Regional WTP and Transmission Line Project	3-5 Years	Not Funded	$8,606,000	Perry	26	3
WX21193038	Perry County Radio Read Meter Project	0-2 Years	Fully Funded	$25,225	Perry	27	4
WX21133056	Elkhorn Lake Improvements	3-5 Years	Not Funded	$2,580,050	Letcher	28	3
WX21133057	Letcher County WTP Project	3-5 Years	Not Funded	$7,000,000	Letcher	29	4
WX21133033	Whitesburg Water Treatment Plant Upgrade	3-5 Years	Not Funded	$4,660,297	Letcher	30	9
WX21133100	Whitesburg - Water Storage Tank Replacement	3-5 Years	Not Funded	$947,000	Letcher	31	10
			Total Cost:	**$61,990,909**			

Breathitt County

- 2010 census population of 13,878 (6,231 households) with 90% serviceable.
- Projected 2020 population of 12,495 (change of -1,383).
- Breathitt County has 385.50 miles of existing water lines.
- 61.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $24,998,506.
- There are no projects planned from 6 to 10 years.

Breathitt County has a 2010 census population count of 13,878 (6,231 households) with a projected 2020 population count of 12,495 (5,046 households). Public water is currently available to approximately 90 percent of the county's households based on 2010 census counts. Over the next ten years approximately 361 serviceable households will be added through the construction of 61.00 miles of water line extensions and approximately 9,105 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Breathitt County Water District	17	$9,656,669	361	1,893	58.00	-	-
City of Buckhorn	1	$8,606,000	-	-	-	-	2.00
City of Jackson	4	$6,735,837	-	7,212	3.00	3.00	-
Totals:	**22**	**$24,998,506**	**361**	**9,105**	**61.00**	**3.00**	**2.00**

Community Drinking Water Systems in Breathitt County

Note: Serviceability counts are for households within Breathitt county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0131012	Breathitt County Water District	Breathitt	7,362	3,256
KY0130208	Jackson Municipal Water Works	Breathitt	4,801	2,213
KY0650024	Beattyville Water Works	Lee	129	58
KY0971007	Village of Buckhorn	Perry	152	61
		Totals:	12,444	5,588

Kentucky Infrastructure Authority
January 04, 2019

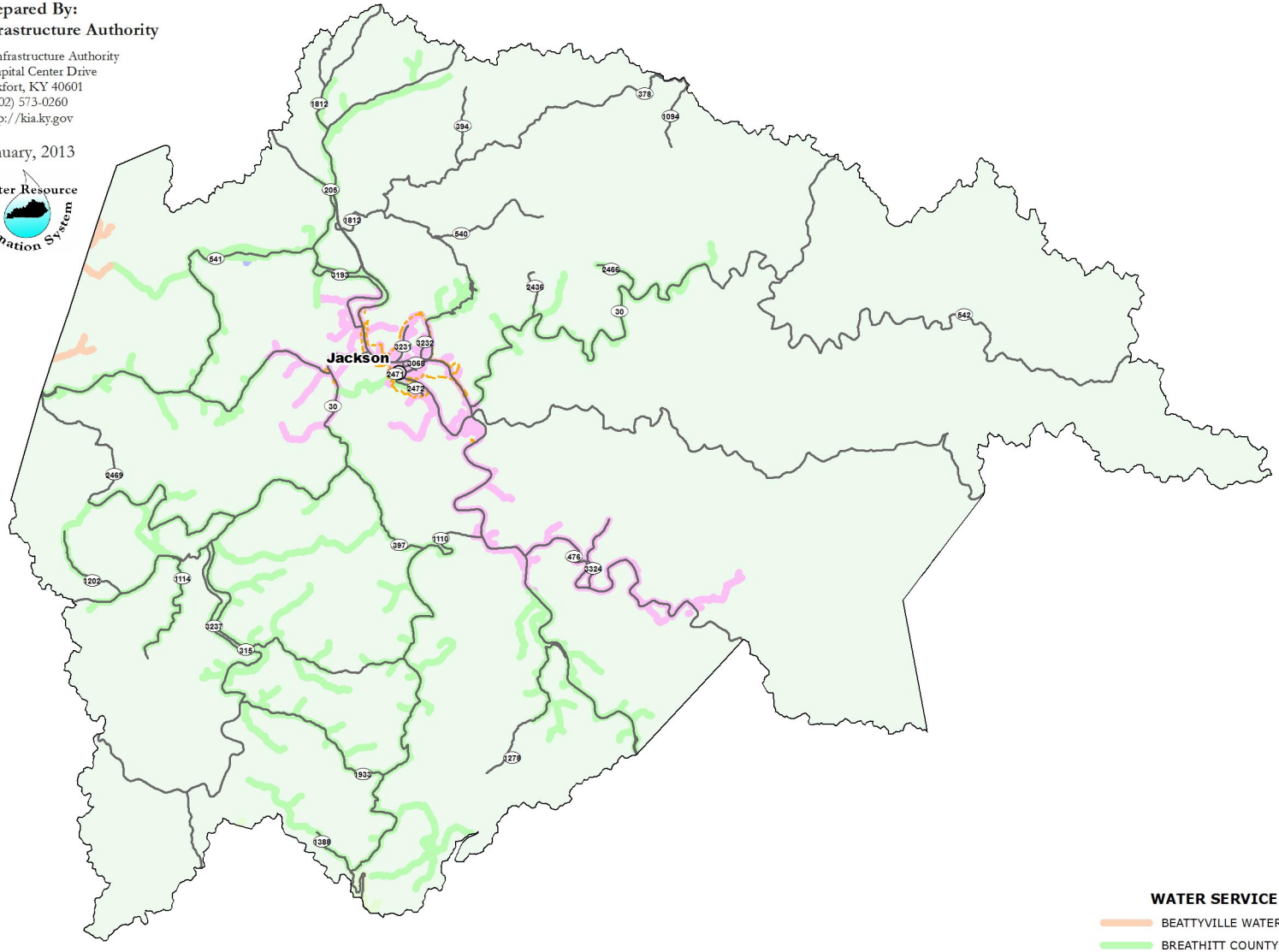
WATER SERVICE AREAS
BREATHITT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- BREATHITT COUNTY WATER DISTRICT
- HAZARD WATER DEPARTMENT
- JACKSON MUNICIPAL WATER WORKS
- MOUNT CARMEL HIGH/BOARDING SCHOOL
- VILLAGE OF BUCKHORN

Breathitt County (continued)

System Summary for Breathitt County Water District

PWSID	KY0131012	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$57.59 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 19 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,856
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	75.168
Institutional Customers	-	Total Inside Usage (MG)	63.278
Industrial Customers	-	Total Wholesale Sold (MG)	2.563
Wholesale Customers	2	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 301.91 miles (Distribution: 290.29 miles, Transmission: 11.62 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Breathitt County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	$1,994,812	Breathitt	7	1
WX21025008	Breathitt County Hwy 30 East and KY 542 Lambric Waterline Extensions	3-5 Years	Not Funded	$2,328,000	Breathitt	8	2
WX21193034	Buckhorn Regional WTP and Transmission Line Project	3-5 Years	Not Funded	$8,606,000	Perry	26	3
WX21193035	Rowdy Low Gap Water Project	3-5 Years	Not Funded	$1,620,100	Perry		
WX21025028	Breathitt And Perry County Waterline Interconnection	3-5 Years	Partially Funded	$1,220,000	Breathitt		
WX21025041	Hunting Creek Waterline Project	3-5 Years	Not Funded	$1,137,000	Breathitt		
WX21025046	Bryants Creek Waterline Extension	3-5 Years	Not Funded	$768,669	Breathitt		
WX21025060	Breathitt Waterline Extensions Project	3-5 Years	Not Funded	$750,000	Breathitt		
WX21025035	Stray Branch Water Line Extension	3-5 Years	Not Funded	$717,000	Breathitt		
WX21025032	Highland Road Water Line Extensions	3-5 Years	Not Funded	$640,000	Breathitt		
WX21025026	Robinson Fork And Fire Trail Road Water Line Extension	0-2 Years	Partially Funded	$366,000	Breathitt		
WX21025034	Johnson Fork Water Line Extension	3-5 Years	Not Funded	$355,000	Breathitt		
WX21025057	Russell Branch Waterline	3-5 Years	Not Funded	$286,900	Breathitt		
WX21025036	Puncheon Creek Water Line	3-5 Years	Not Funded	$223,000	Breathitt		
WX21025039	Creekside Road Water Line Extension	3-5 Years	Not Funded	$202,000	Breathitt		
WX21025029	War Creek Road Water Line Extension	0-2 Years	Partially Funded	$192,000	Breathitt		
WX21025045	Snake Branch Waterline Extension	3-5 Years	Not Funded	$165,630	Breathitt		
WX21025049	Sigman Drive Waterline Extension	3-5 Years	Not Funded	$136,000	Breathitt		

System Summary for Jackson Municipal Water Works

PWSID	KY0130208	Treats Water	Yes, 1 plant with total capacity of 2.500 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	10	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$37.04 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$53.92 per 4,000 gallons.	Total Connections	1,937
Residential Customers	-	Total Produced (MG)	555.487
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	163.967
Industrial Customers	-	Total Wholesale Sold (MG)	75.064
Wholesale Customers	1	Estimated Pct. Water Loss	57%

Total Distribution System Line Length = 76.35 miles (Distribution: 75.45 miles, Transmission: 0.91 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jackson Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	$1,994,812	Breathitt	7	1
WX21025054	KY 15 Waterline Extension	3-5 Years	Not Funded	$1,868,500	Breathitt	16	3
WX21025059	Jackson Waterline Replacement Project Phase I	3-5 Years	Not Funded	$2,000,000	Breathitt		
WX21193035	Rowdy Low Gap Water Project	3-5 Years	Not Funded	$1,620,100	Perry		
WX21025041	Hunting Creek Waterline Project	3-5 Years	Not Funded	$1,137,000	Breathitt		
WX21025056	Lakeside Water Tank and Line Extension Project	3-5 Years	Not Funded	$872,525	Breathitt		
WX21025060	Breathitt Waterline Extensions Project	3-5 Years	Not Funded	$750,000	Breathitt		
WX21025057	Russell Branch Waterline	3-5 Years	Not Funded	$286,900	Breathitt		
WX21025049	Sigman Drive Waterline Extension	3-5 Years	Not Funded	$136,000	Breathitt		

Knott County

- 2010 census population of 16,346 (7,461 households) with 95% serviceable.
- Projected 2020 population of 15,635 (change of -711).
- Knott County has 344.45 miles of existing water lines.
- 28.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,127,420.
- Estimated funding needs for projects from 6 to 10 years: $2,857,414.

Knott County has a 2010 census population count of 16,346 (7,461 households) with a projected 2020 population count of 15,635 (6,332 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 329 serviceable households will be added through the construction of 28.00 miles of water line extensions and approximately 4 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Hindman	1	$1,130,000	83	-	4.00	-	-
Knott County Water & Sewer District	2	$7,016,014	235	-	23.00	-	-
Perry County Fiscal Court	1	$1,700,600	-	-	-	-	-
Southern Water & Sewer District	1	$1,500,000	-	4	-	-	-
Troublesome Creek Environmental Authority	1	$638,220	11	-	1.00	-	-
Totals:	**6**	**$11,984,834**	**329**	**4**	**28.00**	**-**	**-**

Community Drinking Water Systems in Knott County

Note: Serviceability counts are for households within Knott county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0600198	Hindman Water Department	Knott	2,936	1,415
KY0600062	Knott Co Water & Sewer District	Knott	11,709	5,279
KY0600129	Phoenix Place Water System	Knott	153	74
KY0360026	Southern Water & Sewer District	Floyd	137	51
KY0970184	Hazard Water Department	Perry	162	73
KY0970484	Perry County Water & Sewer	Perry	409	188
		Totals:	15,506	7,080

Kentucky Infrastructure Authority
January 04, 2019

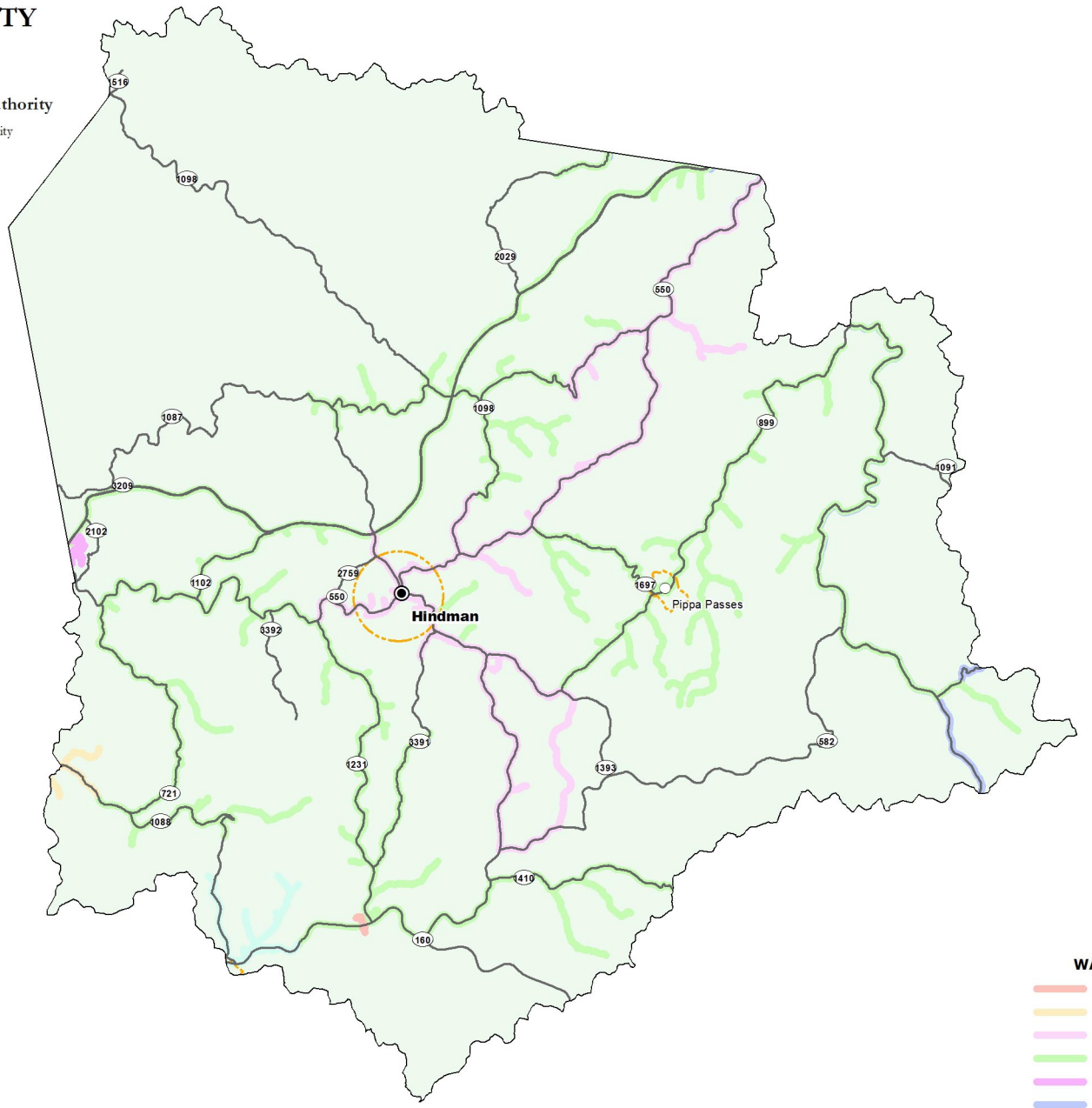
WATER SERVICE AREAS
KNOTT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CARR CREEK STATE PARK
- HAZARD WATER DEPARTMENT
- HINDMAN WATER DEPARTMENT
- KNOTT CO WATER & SEWER DISTRICT
- PHOENIX PLACE WATER SYSTEM
- SOUTHERN WATER & SEWER DISTRICT
- VICCO WATER SUPPLY

System Summary for Hindman Water Department

PWSID	KY0600198	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$33.30 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.30 per 4,000 gallons.	Total Connections	809
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	80.608
Institutional Customers	-	Total Inside Usage (MG)	48.222
Industrial Customers	-	Total Wholesale Sold (MG)	2.460
Wholesale Customers	1	Estimated Pct. Water Loss	37%
Total Distribution System Line Length = 48.17 miles (Distribution: 45.98 miles, Transmission: 2.20 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hindman Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21119011	Hindman Waterline Extensions	3-5 Years	Not Funded	$1,130,000	Knott	17	2

System Summary for Knott Co Water & Sewer District

PWSID	KY0600062	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 1 source.
Employees	12	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$29.51 per 4,000 gallons.	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 15 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,820
Residential Customers	2,820	Total Produced (MG)	481.238
Commercial Customers	37	Total Purchased (MG)	2.710
Institutional Customers	63	Total Inside Usage (MG)	157.352
Industrial Customers	-	Total Wholesale Sold (MG)	291.443
Wholesale Customers	5	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 276.35 miles (Distribution: 275.69 miles, Transmission: 0.66 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Knott Co Water & Sewer District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21119024	Highway 80 Drone Port Water Project	3-5 Years	Not Funded	$638,220	Knott	2	1
WX21193040	KY RT 80/KY RT 476 Interconnect Project	3-5 Years	Not Funded	$1,700,600	Perry	9	1
WX21119052	KCWSD - Quicksand Water Line Extension Project	3-5 Years	Not Funded	$4,158,600	Knott		
WX21119017	Knott - Hwy 1098 Extensions*	6-10 Years	Not Funded	$2,857,414	Knott		
WX21193033	Remote Rural Water Service Assessment Pilot Project	3-5 Years	Not Funded	$30,000	Perry		

System Summary for Phoenix Place Water System

PWSID	KY0600129	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Private Non-Profit	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$33.77 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	202
Residential Customers	202	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	11.149
Institutional Customers	-	Total Inside Usage (MG)	9.145
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	18%
Total Distribution System Line Length = 5.06 miles (Distribution: 5.00 miles, Transmission: 0.05 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Phoenix Place Water System

Lee County

- 2010 census population of 7,887 (3,436 households) with 91% serviceable.
- Projected 2020 population of 7,820 (change of -67).
- Lee County has 265.02 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,614,421.
- There are no projects planned from 6 to 10 years.

Lee County has a 2010 census population count of 7,887 (3,436 households) with a projected 2020 population count of 7,820 (3,014 households). Public water is currently available to approximately 91 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 607 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Beattyville	1	$612,000	-	600	-	2.00	-
City of Campton	1	$184,000	2	-	1.00	-	-
Estill County Water District #1	1	$818,421	-	7	-	1.00	-
Totals:	**3**	**$1,614,421**	**2**	**607**	**1.00**	**3.00**	**-**

Community Drinking Water Systems in Lee County

Note: Serviceability counts are for households within Lee county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0650024	Beattyville Water Works	Lee	7,123	3,054
KY0330123	Estill County Water District #1	Estill	35	21
KY0950036	Booneville Water and Sewer	Owsley	28	11
KY1190061	Campton Water System	Wolfe	65	35
		Totals:	7,251	3,121

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
LEE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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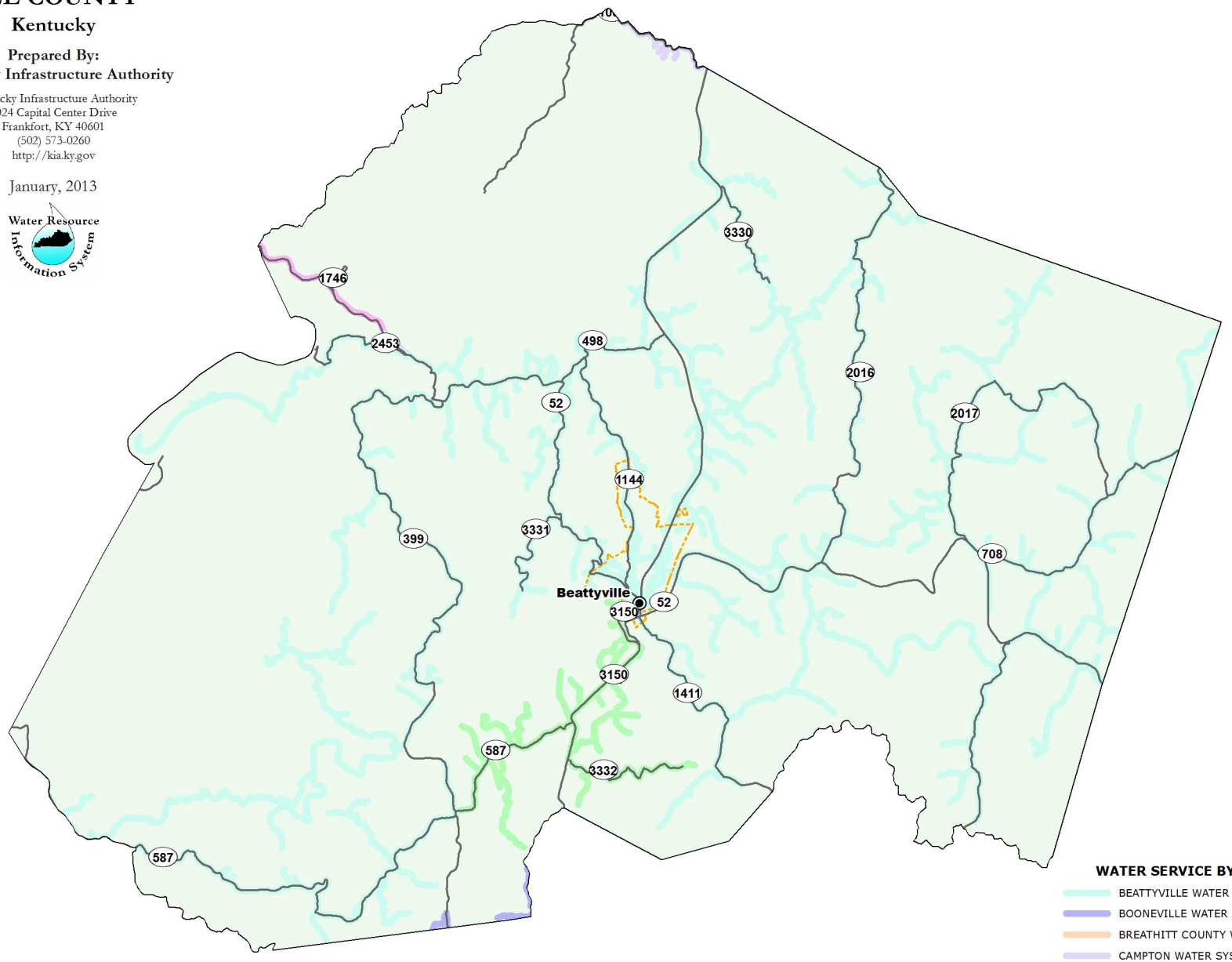


System Summary for Beattyville Water Works

PWSID	KY0650024	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.88 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$39.09 per 4,000 gallons.	Total Connections	2,685
Residential Customers	-	Total Produced (MG)	327.796
Commercial Customers	-	Total Purchased (MG)	5.398
Institutional Customers	-	Total Inside Usage (MG)	188.919
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	43%

Total Distribution System Line Length = 261.39 miles (Distribution: 260.25 miles, Transmission: 1.14 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Beattyville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21129004	Beattyville - Bear Track Waterline Replacement	3-5 Years	Not Funded	$612,000	Lee	5	1
WX21065007	ECWD/Beattyville Emergency Regional Interconnect	0-2 Years	Not Funded	$818,421	Estill	13	7

Leslie County

- 2010 census population of 11,310 (5,278 households) with 91% serviceable.
- Projected 2020 population of 10,603 (change of -707).
- Leslie County has 309.36 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,836,000.
- There are no projects planned from 6 to 10 years.

Leslie County has a 2010 census population count of 11,310 (5,278 households) with a projected 2020 population count of 10,603 (4,377 households). Public water is currently available to approximately 91 percent of the county's households based on 2010 census counts. Over the next ten years approximately 148 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 7,400 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Hyden-Leslie County Water District	4	$8,836,000	148	7,400	12.00	2.00	-
Totals:	**4**	**$8,836,000**	**148**	**7,400**	**12.00**	**2.00**	**-**

Community Drinking Water Systems in Leslie County

Note: Serviceability counts are for households within Leslie county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0660204	Hyden Leslie Co Water District	Leslie	10,252	4,764
KY0260737	Manchester Water Works	Clay	20	11
		Totals:	10,272	4,775

Kentucky Infrastructure Authority
January 04, 2019

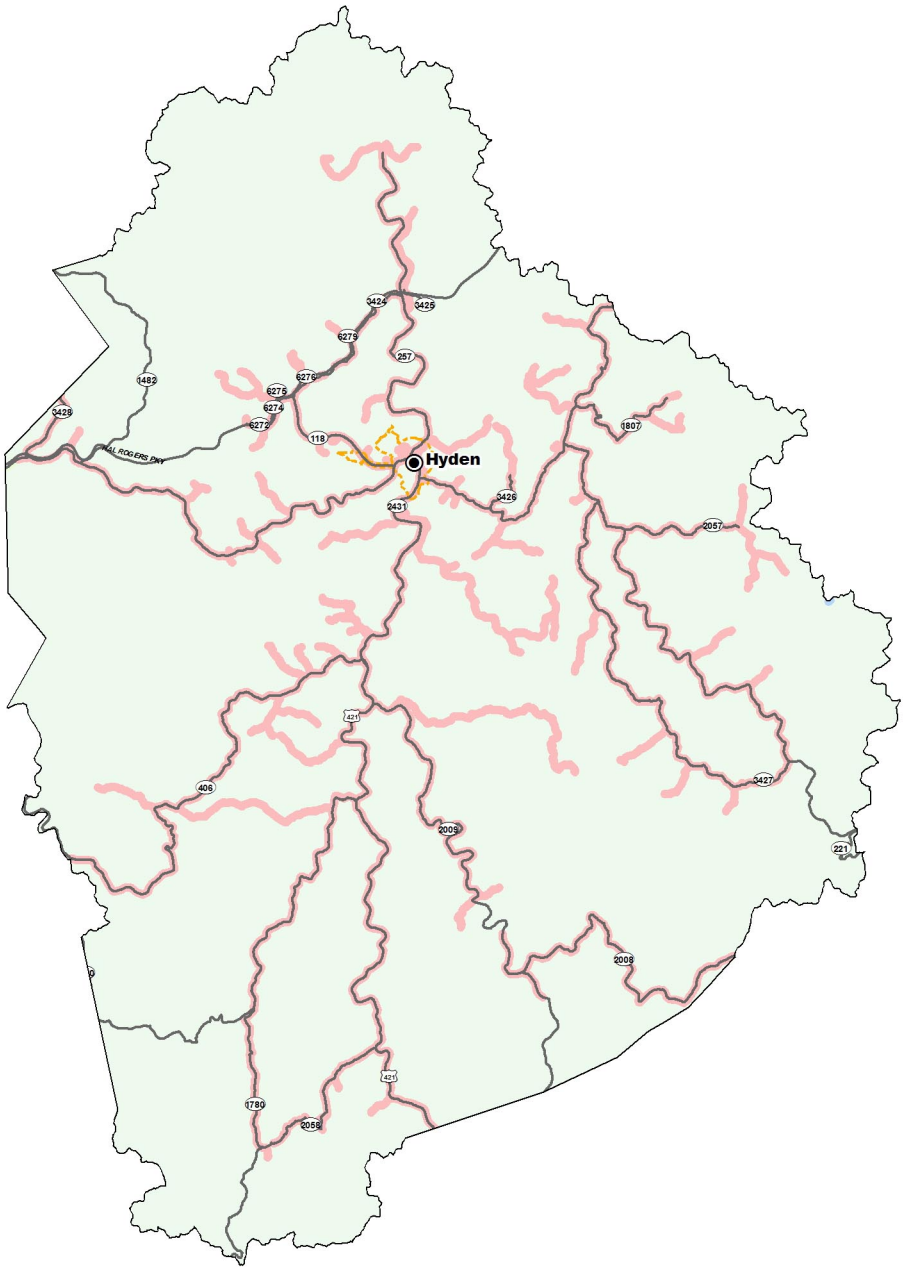
WATER SERVICE AREAS
LESLIE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- GREEN HILLS WATER DISTRICT
- HAZARD WATER DEPARTMENT
- HYDEN LESLIE CO WATER DISTRICT
- MANCHESTER WATER WORKS

System Summary for Hyden Leslie Co Water District

PWSID	KY0660204	Treats Water	Yes, 1 plant with total capacity of 1.500 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	12	Wholesale Purchaser	No
Non-Municipal Cost	$31.48 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 11 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	3,404
Residential Customers	3,404	Total Produced (MG)	425.126
Commercial Customers	269	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	263.823
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	38%

Total Distribution System Line Length = 310.31 miles (Distribution: 309.25 miles, Transmission: 1.06 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hyden Leslie Co Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21131011	Phase III a Water System Improvements	3-5 Years	Not Funded	$3,060,000	Leslie	3	1
WX21131002	Phase III b Water System Improvements	3-5 Years	Partially Funded	$4,621,000	Leslie	13	2
WX21131006	Phase VI Water System Improvements	3-5 Years	Not Funded	$655,000	Leslie	20	4
WX21131009	SR 1850 Rye Cove Waterline Extension	3-5 Years	Not Funded	$500,000	Leslie	25	5

Letcher County

- 2010 census population of 24,519 (11,601 households) with 80% serviceable.
- Projected 2020 population of 24,237 (change of -282).
- Letcher County has 336.78 miles of existing water lines.
- 108.00 miles of line extensions proposed in the next 10 years.
- 43.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $71,327,342.
- Estimated funding needs for projects from 6 to 10 years: $5,339,000.

Letcher County has a 2010 census population count of 24,519 (11,601 households) with a projected 2020 population count of 24,237 (10,161 households). Public water is currently available to approximately 80 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,509 serviceable households will be added through the construction of 108.00 miles of water line extensions and approximately 12,124 instances of improved service through the rehabilitation of 43.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Fleming-Neon	6	$11,928,188	-	2,003	-	33.00	-
City of Jackson	2	$3,863,312	-	1	-	-	-
City of Jenkins	6	$11,082,050	3	2,949	5.00	7.00	3.00
City of Whitesburg	4	$13,912,297	-	5,641	-	3.00	-
Letcher County Water & Sewer District	10	$35,880,495	1,506	1,530	103.00	-	-
Totals:	**28**	**$76,666,342**	**1,509**	**12,124**	**108.00**	**43.00**	**3.00**

Community Drinking Water Systems in Letcher County

Note: Serviceability counts are for households within Letcher county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0670279	Fleming-Neon Water Company	Letcher	3,081	1,535
KY0670213	Jenkins Water System	Letcher	2,456	1,171
KY0670462	Letcher County Water and Sewer District	Letcher	10,720	5,056
KY0670466	Whitesburg Water System	Letcher	3,203	1,482
KY0480092	Cumberland Municipal Water Works	Harlan	72	31
		Totals:	19,532	9,275

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
LETCHER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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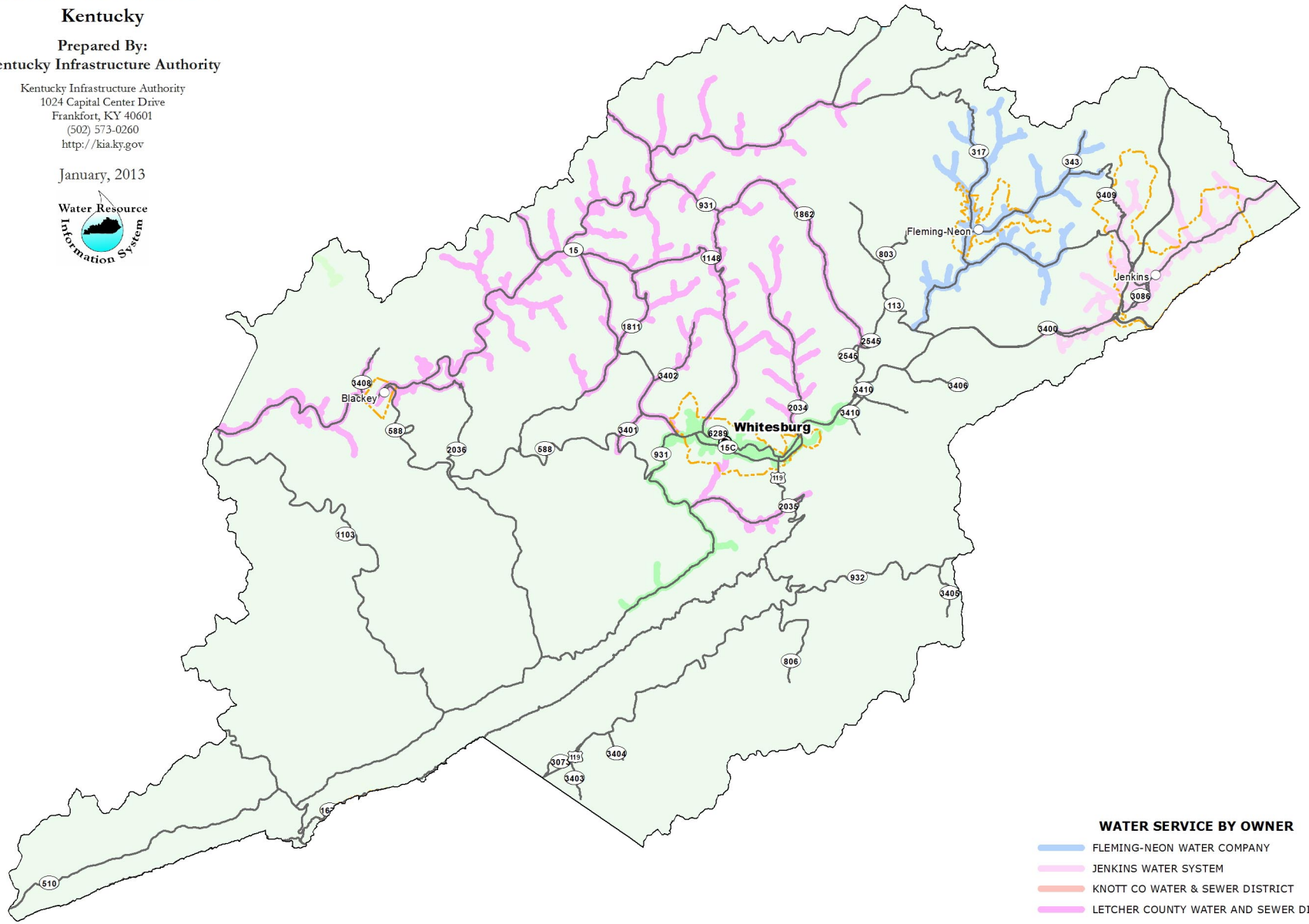
Water Resource Information System



System Summary for Fleming-Neon Water Company

PWSID	KY0670279	Treats Water	Yes, 1 plant with total capacity of 0.360 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 1 source.
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$30.66 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.63 per 4,000 gallons.	Total Connections	1,017
Residential Customers	1,017	Total Produced (MG)	97.242
Commercial Customers	60	Total Purchased (MG)	7.718
Institutional Customers	-	Total Inside Usage (MG)	59.543
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	43%

Total Distribution System Line Length = 34.92 miles (Distribution: 34.35 miles, Transmission: 0.58 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Fleming-Neon Water Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133038	Waterline Improvement Project Phase 3	3-5 Years	Not Funded	$1,584,886	Letcher	22	6
WX21133037	Waterline Improvement Project Phase 2	3-5 Years	Not Funded	$1,825,899	Letcher	23	7
WX21133034	Fleming-Neon Waterline Improvement Project - Phase I	3-5 Years	Not Funded	$2,791,114	Letcher	24	8
WX21133051	Waterline Improvement Project Phase 5	3-5 Years	Not Funded	$2,358,259	Letcher		
WX21133039	Waterline Improvement Project Phase 4	3-5 Years	Not Funded	$2,246,030	Letcher		
WX21133052	Waterline Improvement Project Phase 6 (Water Storage Tank Replac	3-5 Years	Not Funded	$1,122,000	Letcher		

System Summary for Jenkins Water System

PWSID	KY0670213	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 3 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$31.69 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$52.59 per 4,000 gallons.	Total Connections	870
Residential Customers	812	Total Produced (MG)	183.000
Commercial Customers	51	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	86.611
Industrial Customers	-	Total Wholesale Sold (MG)	20.846
Wholesale Customers	2	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 40.45 miles (Distribution: 40.40 miles, Transmission: 0.06 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jenkins Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133058	KY 805 Crossing, City Tank and Side Roads in Burdine Project	3-5 Years	Not Funded	$1,537,000	Letcher	14	2
WX21133056	Elkhorn Lake Improvements	3-5 Years	Not Funded	$2,580,050	Letcher	28	3
WX21133050	Jenkins - Water Plant Improvements	3-5 Years	Not Funded	$3,000,000	Letcher		
WX21133047	Jenkins - Fishpond Lake Raw Water Project	3-5 Years	Not Funded	$1,850,000	Letcher		
WX21133059	US-23 to Joe's Branch Project	3-5 Years	Not Funded	$1,315,000	Letcher		
WX21133060	Dairy Hollow, End of Dunham, Mountain Breeze and Burdine RD Proj	3-5 Years	Not Funded	$800,000	Letcher		

System Summary for Letcher County Water and Sewer District

PWSID	KY0670462	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$42.50 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,939
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	174.485
Institutional Customers	-	Total Inside Usage (MG)	139.530
Industrial Customers	-	Total Wholesale Sold (MG)	5.218
Wholesale Customers	1	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 228.26 miles (Distribution: 226.60 miles, Transmission: 1.66 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Letcher County Water and Sewer District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133035	Water Line Extensions for Federal Prison Facility at Roxanna	3-5 Years	Partially Funded	$6,517,000	Letcher	1	1
WX21133057	Letcher County WTP Project	3-5 Years	Not Funded	$7,000,000	Letcher	29	4
WX21133033	Whitesburg Water Treatment Plant Upgrade	3-5 Years	Not Funded	$4,660,297	Letcher	30	9
WX21133036	Water Treatment Facility Cumberland River Phase IV	3-5 Years	Not Funded	$7,113,000	Letcher		
WX21133054	Regional Interconnect & Distribution Lines Cumberland River Ph4	3-5 Years	Partially Funded	$3,487,495	Letcher		
WX21133016	Letcher - Hwy 510/Gordon Water Line Extensions	6-10 Years	Not Funded	$2,739,000	Letcher		
WX21133017	LCWSD - Millstone Water Project	3-5 Years	Partially Funded	$2,610,000	Letcher		
WX21133012	Letcher - Kings Creek/Oscaloosa	6-10 Years	Not Funded	$2,600,000	Letcher		
WX21133023	Cumberland River Waterline Extension Project - Phase III	3-5 Years	Partially Funded	$2,075,000	Letcher		
WX21133018	Cumberland River Waterline Extension Project - Phase II	3-5 Years	Partially Funded	$1,070,000	Letcher		
WX21133500	Cumberland River Water Line Extension - Phase I	3-5 Years	Partially Funded	$669,000	Letcher		

System Summary for Whitesburg Water System

PWSID	KY0670466	Treats Water	Yes, 1 plant with total capacity of 0.864 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$16.50 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.00 per 4,000 gallons.	Total Connections	1,241
Residential Customers	-	Total Produced (MG)	230.915
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	88.489
Industrial Customers	-	Total Wholesale Sold (MG)	3.834
Wholesale Customers	1	Estimated Pct. Water Loss	60%

Total Distribution System Line Length = 34.84 miles (Distribution: 34.82 miles, Transmission: 0.03 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Whitesburg Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133055	Waterline Replacement and Water Tank Rehab	3-5 Years	Not Funded	$1,305,000	Letcher	21	5
WX21133033	Whitesburg Water Treatment Plant Upgrade	3-5 Years	Not Funded	$4,660,297	Letcher	30	9
WX21133100	Whitesburg - Water Storage Tank Replacement	3-5 Years	Not Funded	$947,000	Letcher	31	10
WX21133101	Whitesburg - Water Treatment Plant Expansion	3-5 Years	Not Funded	$7,000,000	Letcher		

Owsley County

- 2010 census population of 4,755 (2,328 households) with 96% serviceable.
- Projected 2020 population of 4,704 (change of -51).
- Owsley County has 241.25 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,486,616.
- There are no projects planned from 6 to 10 years.

Owsley County has a 2010 census population count of 4,755 (2,328 households) with a projected 2020 population count of 4,704 (1,971 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 5 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 6,468 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Booneville	6	$8,486,616	5	6,468	1.00	1.00	1.00
Totals:	**6**	**$8,486,616**	**5**	**6,468**	**1.00**	**1.00**	**1.00**

Community Drinking Water Systems in Owsley County

Note: Serviceability counts are for households within Owsley county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0950036	Booneville Water and Sewer	Owsley	4,551	2,219
		Totals:	4,551	2,219

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
OWSLEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

System Summary for Booneville Water and Sewer

PWSID	KY0950036	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.56 per 4,000 gallons.	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$45.93 per 4,000 gallons.	Total Connections	1,579
Residential Customers	-	Total Produced (MG)	195.381
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	102.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	48%

Total Distribution System Line Length = 249.49 miles (Distribution: 248.85 miles, Transmission: 0.64 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Booneville Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21189010	Waterline Rehabilitation Phase I	3-5 Years	Not Funded	$500,000	Owsley	6	1
WX21189009	Booneville Pump Repairs Phase II	0-2 Years	Not Funded	$154,016	Owsley	12	2
WX21189500	Booneville Radio Read Meter Project	3-5 Years	Not Funded	$498,500	Owsley	15	3
WX21189003	Booneville Water Treatment Plant	3-5 Years	Not Funded	$6,379,900	Owsley		
WX21189008	Booneville Water Storage Tank Replacement Project	3-5 Years	Not Funded	$750,000	Owsley		
WX21189509	Booneville Highway 11/Wolfe Creek Loop	3-5 Years	Not Funded	$204,200	Owsley		

Perry County

- 2010 census population of 28,712 (12,791 households) with 93% serviceable.
- Projected 2020 population of 28,137 (change of -575).
- Perry County has 475.30 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 10.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $15,950,795.
- There are no projects planned from 6 to 10 years.

Perry County has a 2010 census population count of 28,712 (12,791 households) with a projected 2020 population count of 28,137 (11,637 households). Public water is currently available to approximately 93 percent of the county's households based on 2010 census counts. Over the next ten years approximately 570 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 8,962 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances. 10.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Breathitt County Water District	2	$1,970,000	-	-	1.00	-	-
City of Buckhorn	1	$8,606,000	25	-	-	-	9.00
City of Hazard	4	$2,508,125	15	8,300	2.00	2.00	-
Perry County Fiscal Court	5	$2,866,670	530	662	1.00	-	1.00
Totals:	**12**	**$15,950,795**	**570**	**8,962**	**4.00**	**2.00**	**10.00**

Community Drinking Water Systems in Perry County

Note: Serviceability counts are for households within Perry county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0970184	Hazard Water Department	Perry	23,064	10,308
KY0970484	Perry County Water & Sewer	Perry	2,610	1,136
KY0971007	Village of Buckhorn	Perry	833	358
KY0131012	Breathitt County Water District	Breathitt	29	11
KY0600129	Phoenix Place Water System	Knott	88	34
KY0950036	Booneville Water and Sewer	Owsley	119	65
		Totals:	26,743	11,912

Kentucky Infrastructure Authority
January 04, 2019

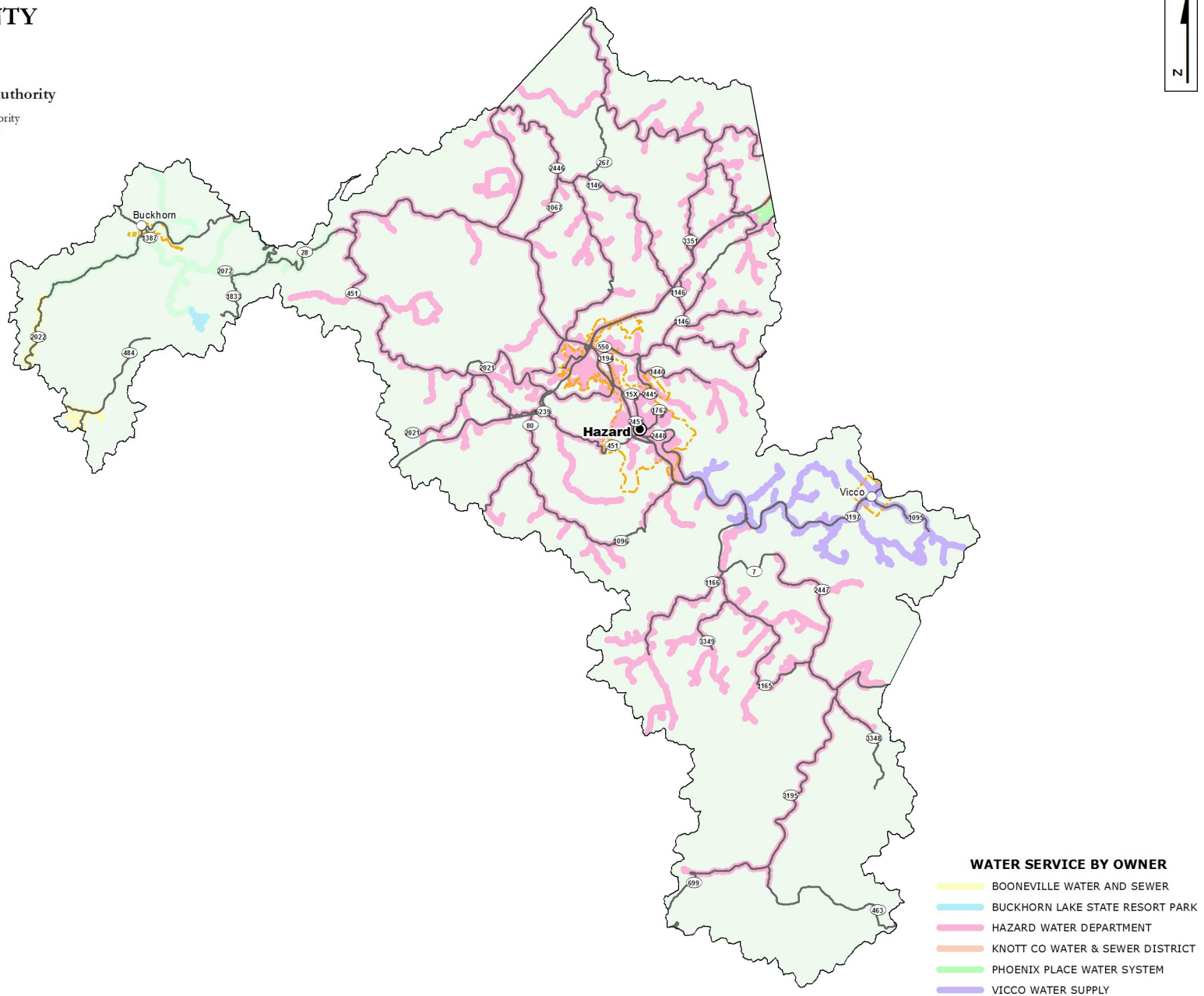
WATER SERVICE AREAS
PERRY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Hazard Water Department

PWSID	KY0970184	Treats Water	Yes, 1 plant with total capacity of 5.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	17	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$20.33 per 4,000 gallons.	Storage Capacity	Yes, 26 tanks with total capacity of 10.000 MG.
Outside Mun. Cost	$28.23 per 4,000 gallons.	Total Connections	8,223
Residential Customers	-	Total Produced (MG)	1,524.066
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	724.972
Industrial Customers	-	Total Wholesale Sold (MG)	29.702
Wholesale Customers	3	Estimated Pct. Water Loss	50%

Total Distribution System Line Length = 385.57 miles (Distribution: 384.32 miles, Transmission: 1.26 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hazard Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21193040	KY RT 80/KY RT 476 Interconnect Project	3-5 Years	Not Funded	$1,700,600	Perry	9	1
WX21193034	Buckhorn Regional WTP and Transmission Line Project	3-5 Years	Not Funded	$8,606,000	Perry	26	3
WX21133057	Letcher County WTP Project	3-5 Years	Not Funded	$7,000,000	Letcher	29	4
WX21193035	Rowdy Low Gap Water Project	3-5 Years	Not Funded	$1,620,100	Perry		
WX21193042	Water Evaluation Improvement Project	3-5 Years	Not Funded	$620,000	Perry		
WX21193037	Laurel Mountain Road Waterline Extension	3-5 Years	Partially Funded	$358,780	Perry		
WX21193039	Perry Plaza Water Improvements	3-5 Years	Partially Funded	$190,630	Perry		
WX21193036	Allais Property Redevelopment Project	3-5 Years	Not Funded	$77,395	Perry		
WX21193033	Remote Rural Water Service Assessment Pilot Project	3-5 Years	Not Funded	$30,000	Perry		

System Summary for Perry County Water & Sewer

PWSID	KY0970484	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	County Fiscal Court	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$37.76 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$39.24 per 4,000 gallons.	Total Connections	999
Residential Customers	999	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	67.268
Institutional Customers	-	Total Inside Usage (MG)	66.838
Industrial Customers	-	Total Wholesale Sold (MG)	2.586
Wholesale Customers	1	Estimated Pct. Water Loss	-3%
Total Distribution System Line Length = 57.04 miles (Distribution: 56.95 miles, Transmission: 0.10 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Perry County Water & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133057	Letcher County WTP Project	3-5 Years	Not Funded	$7,000,000	Letcher	29	4
WX21193030	Water Distribution Rehabilitation Project - PCWS Phase II	0-2 Years	Not Funded	$680,000	Perry		
WX21193033	Remote Rural Water Service Assessment Pilot Project	3-5 Years	Not Funded	$30,000	Perry		

System Summary for Village of Buckhorn

PWSID	KY0971007	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$33.60 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$48.07 per 4,000 gallons.	Total Connections	249
Residential Customers	247	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	29.702
Institutional Customers	26	Total Inside Usage (MG)	12.872
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	57%

Total Distribution System Line Length = 40.91 miles (Distribution: 40.91 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Village of Buckhorn

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21193040	KY RT 80/KY RT 476 Interconnect Project	3-5 Years	Not Funded	$1,700,600	Perry	9	1
WX21193041	Buckhorn Lodge Bore Project	0-2 Years	Not Funded	$97,290	Perry	18	2
WX21193034	Buckhorn Regional WTP and Transmission Line Project	3-5 Years	Not Funded	$8,606,000	Perry	26	3
WX21193035	Rowdy Low Gap Water Project	3-5 Years	Not Funded	$1,620,100	Perry		
WX21025028	Breathitt And Perry County Waterline Interconnection	3-5 Years	Partially Funded	$1,220,000	Breathitt		

Wolfe County

- 2010 census population of 7,355 (3,660 households) with 90% serviceable.
- Projected 2020 population of 7,636 (change of 281).
- Wolfe County has 237.68 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,288,900.
- There are no projects planned from 6 to 10 years.

Wolfe County has a 2010 census population count of 7,355 (3,660 households) with a projected 2020 population count of 7,636 (3,285 households). Public water is currently available to approximately 90 percent of the county's households based on 2010 census counts. Over the next ten years approximately 131 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 2,176 instances of improved service through the rehabilitation of 1.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Campton	3	$3,504,000	91	2,176	13.00	1.00	-
Wolfe County Fiscal Court	2	$784,900	40	-	5.00	-	-
Totals:	**5**	**$4,288,900**	**131**	**2,176**	**18.00**	**1.00**	**-**

Community Drinking Water Systems in Wolfe County

Note: Serviceability counts are for households within Wolfe county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1190061	Campton Water System	Wolfe	6,500	3,244
KY0650024	Beattyville Water Works	Lee	23	12
KY0880594	Morgan County Water District	Morgan	55	29
		Totals:	6,578	3,285

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
WOLFE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- CAMPTON WATER SYSTEM
- FRENCHBURG WATER & SEWER
- MORGAN COUNTY WATER DISTRICT

System Summary for Campton Water System

PWSID	KY1190061	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	Yes, 1 source.
Employees	13	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$35.50 per 4,000 gallons.	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$38.50 per 4,000 gallons.	Total Connections	2,112
Residential Customers	2,112	Total Produced (MG)	210.432
Commercial Customers	136	Total Purchased (MG)	1.599
Institutional Customers	-	Total Inside Usage (MG)	195.306
Industrial Customers	-	Total Wholesale Sold (MG)	0.104
Wholesale Customers	1	Estimated Pct. Water Loss	8%

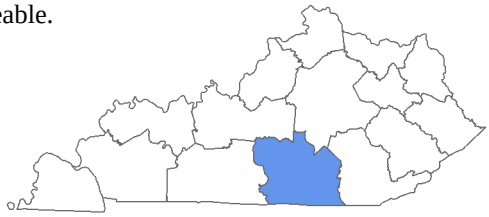
Total Distribution System Line Length = 246.47 miles (Distribution: 246.01 miles, Transmission: 0.46 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Campton Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21237014	Hazel Green 2017 Water Line Extension	3-5 Years	Not Funded	$595,000	Wolfe	4	1
WX21237009	Spring Branch, Kelse Holland Fork And B. Potter Fork Water Line	0-2 Years	Not Funded	$227,000	Wolfe	10	2
WX21237011	Campton Tank Replacement Project	3-5 Years	Partially Funded	$2,100,000	Wolfe		
WX21237746	Campton South Valeria Water Extension Project	3-5 Years	Not Funded	$1,177,000	Wolfe		
WX21237013	Trent Fork Road Water Line Project	0-2 Years	Not Funded	$189,900	Wolfe		
WX21237010	City of Campton - Barker Branch - Water Extensions	3-5 Years	Not Funded	$184,000	Wolfe		

Lake Cumberland Area Development District (LCADD)



- 2010 census population of 207,256 (101,129 households) with 95% serviceable.
- Projected 2020 population of 221,481 (change of 14,225).
- 5,611.95 miles of existing water lines.
- 166.00 miles of line extensions proposed in the next 10 years.
- 102.00 miles of line rehabilitation proposed in the next 10 years.
- 39.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $101,472,060.
- Estimated funding needs for projects from 6 to 10 years: $10,466,108.
- Average age of structures: water treatment plants is 42 years; water tanks is 28 years.
- Total number of interconnected systems is 23.
- 56 miles of asbestos concrete pipe currently in use.
- 637 miles of water lines less than 15 years old.
- 2,719 miles of water lines between 15 and 30 years old.
- 2,040 miles of water lines between 31 and 50 years old.
- 138 miles of water lines between 51 and 70 years old.
- 168 miles of water lines greater than 70 years old.

Lake Cumberland Area Development District has a 2010 census population count of 207,256 (101,129 households) with a projected 2020 population count of 221,481 (92,378 households). Public water is currently available to approximately 95 percent of the district's households based on 2010 census counts. Over the next ten years approximately 404 serviceable households will be added through the construction of 166.00 miles of water line extensions and approximately 52,977 instances of improved service through the rehabilitation of 102.00 miles of existing water lines and other appurtenances. 39.00 miles of transmission lines are also proposed within this district.

County Summary for Lake Cumberland Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Adair	18,656	8,568	20,052	8,151	7,707	90%	$ 11,274,105
Casey	15,955	7,487	16,433	6,791	7,359	98%	$ 9,656,000
Clinton	10,272	5,311	10,896	4,755	5,261	99%	$ 7,356,700
Cumberland	6,856	3,690	6,649	2,840	3,571	97%	$ 1,240,000
Green	11,258	5,324	11,112	4,660	5,203	98%	$ 11,723,620
McCreary	18,306	7,507	18,314	6,819	6,273	84%	$ 13,628,310
Pulaski	63,063	31,443	71,036	29,901	30,536	97%	$ 26,828,613
Russell	17,565	9,993	18,782	8,112	9,830	98%	$ 3,321,885
Taylor	24,512	10,864	26,079	10,663	10,584	97%	$ 21,490,235
Wayne	20,813	10,942	22,128	9,686	9,800	90%	$ 5,418,700
Totals	**207,256**	**101,129**	**221,481**	**92,378**	**96,124**	**95%**	**$ 111,938,168**

Kentucky Infrastructure Authority
January 04, 2019

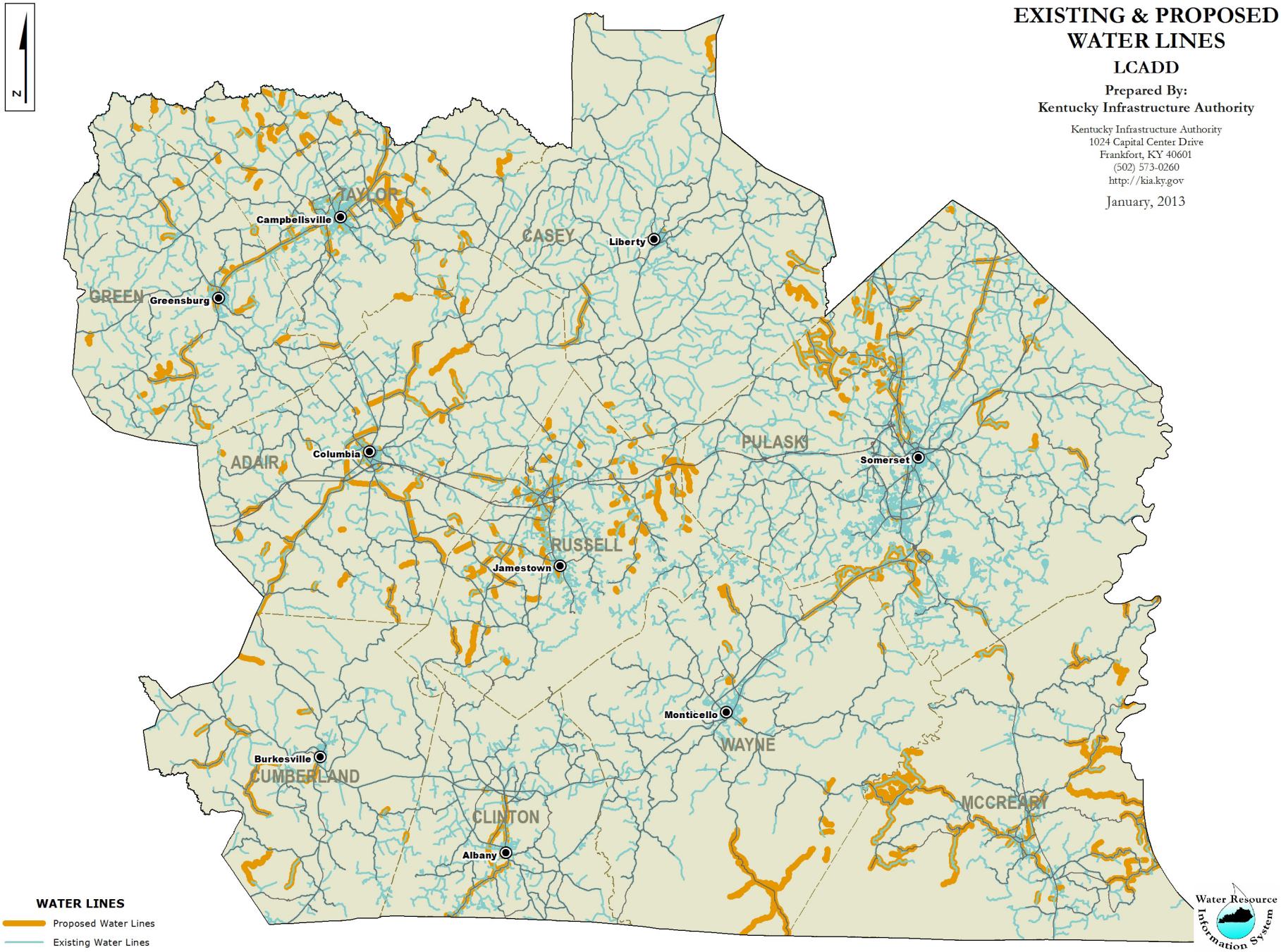
EXISTING & PROPOSED WATER LINES

LCADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Lake Cumberland Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0011016	Columbia/Adair Utilities District Water System	Adair	16,733	7,615
KY0230556	East Casey County Water District	Casey	12,169	5,796
KY0230987	Liberty Water & Gas	Casey	2,300	1,003
KY0270003	Albany Municipal Water & Sewer	Clinton	10,094	5,206
KY0290049	Burkesville Municipal Water Works	Cumberland	1,948	967
KY0290271	Cumberland County Water District	Cumberland	4,788	2,622
KY0440167	Green-Taylor Water District	Green	11,334	5,184
KY0440168	Greensburg Water Department	Green	2,283	1,138
KY0740276	McCreary County Water District	McCreary	14,877	6,267
KY1000043	Bronston Water Association	Pulaski	3,180	2,020
KY1000050	Burnside Municipal Water Works	Pulaski	1,388	800
KY1000124	Eubank Water System	Pulaski	10,015	4,410
KY1000362	Science Hill Water Works	Pulaski	4,823	2,088
KY1000403	Somerset Utilities	Pulaski	17,117	8,277
KY1000311	Southeastern Water Association	Pulaski	14,738	7,883
KY1000363	Western Pulaski County Water District	Pulaski	16,919	8,928
KY1000973	Woodson Bend Property Owners Association	Pulaski	124	338
KY1040210	Jamestown Utilities	Russell	7,402	4,219
KY1040377	Russell Springs Sewer & Water Works	Russell	9,431	4,895
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	21,052	9,373
KY1160291	Monticello Utility Commission	Wayne	17,516	8,643
		Totals:	200,231	97,672

Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199128	Burnside Combined Waterline Improvements	0-2 Years	Not Funded	$2,227,000	Pulaski	1	1
WX21217026	City of Campbellsville-24 Inch Raw Water Line (Intake to KY High	3-5 Years	Not Funded	$4,570,000	Taylor	2	1
WX21147015	Stearns to Smithtown Phase 2 - Water Line Replacements	0-2 Years	Not Funded	$2,202,600	McCreary	3	1
WX21087023	Green-Taylor Water District--Line Extensions to Improve Flow	0-2 Years	Not Funded	$1,518,120	Green	4	1
WX21199002	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	3-5 Years	Not Funded	$5,879,878	Pulaski	5	1
WX21147035	Marsh Creek to HWY 92	0-2 Years	Not Funded	$1,444,710	McCreary	6	2
WX21199131	Valley Oak Industrial Park Water System Improvements	0-2 Years	Not Funded	$1,148,000	Pulaski	7	2
WX21207025	Downtown Jamestown Waterline Replacement	3-5 Years	Fully Funded	$1,000,000	Russell	8	1
WX21053015	Duvall Vallay Area Water System Improvements	3-5 Years	Not Funded	$2,500,000	Clinton	9	1
WX21053004	Albany – Albany Bypass Water Transmission Main	3-5 Years	Not Funded	$1,929,000	Clinton	10	2
WX21045005	Liberty – Moccasin Creek Water Supply Reservoir & Auxiliary Inta	3-5 Years	Not Funded	$7,000,000	Casey	11	2
WX21045016	2018 System Upgrades	0-2 Years	Not Funded	$1,537,000	Casey	12	1
WX21057018	Burkesville Interconnection (North Highway 61)	3-5 Years	Not Funded	$185,000	Cumberland	13	1
WX21001030	CAUD - Water Main Around Southern Bypass and Telemetry	0-2 Years	Not Funded	$867,410	Adair	14	2
WX21199127	KY 1247 Waterline Extension	0-2 Years	Not Funded	$514,700	Pulaski	15	1
WX21217018	Campbellsville – Taylor County Scattered Sites – Phase 3	3-5 Years	Not Funded	$2,074,615	Taylor	16	2
WX21217005	Campbellsville-Taylor County Industrial Park Extension	3-5 Years	Not Funded	$500,000	Taylor	17	3
WX21207026	Jamestown Water Meter Replacement	0-2 Years	Not Funded	$1,167,000	Russell	18	2
WX21001029	CAUD- Water Main Replacement	0-2 Years	Not Funded	$1,342,530	Adair	19	1
WX21087024	Water Distribution System Improvements	3-5 Years	Not Funded	$4,875,000	Green	20	1
WX21199129	2018 Water Line Replacements & Improvements Project	0-2 Years	Not Funded	$680,000	Wayne	21	2
WX21147022	MCWD – New Pine Knot & Marshes Sidings Storage Tanks	3-5 Years	Not Funded	$4,596,000	McCreary	22	3
WX21199115	Relocate Water Line from KY 501 Bridge at RR - Kings Mountain	3-5 Years	Not Funded	$302,000	Pulaski	23	4
WX21199106	Water Meter Replacement Project	3-5 Years	Not Funded	$357,000	Pulaski	24	3
WX21199095	Eubank – Water Line Replacement (West Ridge Rd.)	0-2 Years	Not Funded	$273,800	Pulaski	25	2
			Total Cost:	**$50,691,363**			

Adair County

- 2010 census population of 18,656 (8,568 households) with 90% serviceable.
- Projected 2020 population of 20,052 (change of 1,396).
- Adair County has 541.95 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,274,105.
- There are no projects planned from 6 to 10 years.

Adair County has a 2010 census population count of 18,656 (8,568 households) with a projected 2020 population count of 20,052 (8,151 households). Public water is currently available to approximately 90 percent of the county's households based on 2010 census counts. Over the next ten years approximately 24 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 1,314 instances of improved service through the rehabilitation of 10.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Adair County Water District	3	$6,297,770	23	1,314	2.00	10.00	-
City of Campbellsville	1	$2,074,615	1	-	1.00	-	-
East Casey County Water District	1	$819,000	-	-	-	-	-
Green-Taylor Water District	2	$2,082,720	-	-	1.00	-	-
Totals:	**7**	**$11,274,105**	**24**	**1,314**	**4.00**	**10.00**	**-**

Community Drinking Water Systems in Adair County

Note: Serviceability counts are for households within Adair county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0011016	Columbia/Adair Utilities District Water System	Adair	16,632	7,568
KY0230556	East Casey County Water District	Casey	50	14
KY1040210	Jamestown Utilities	Russell	149	79
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	82	37
		Totals:	16,913	7,698

Kentucky Infrastructure Authority
January 04, 2019

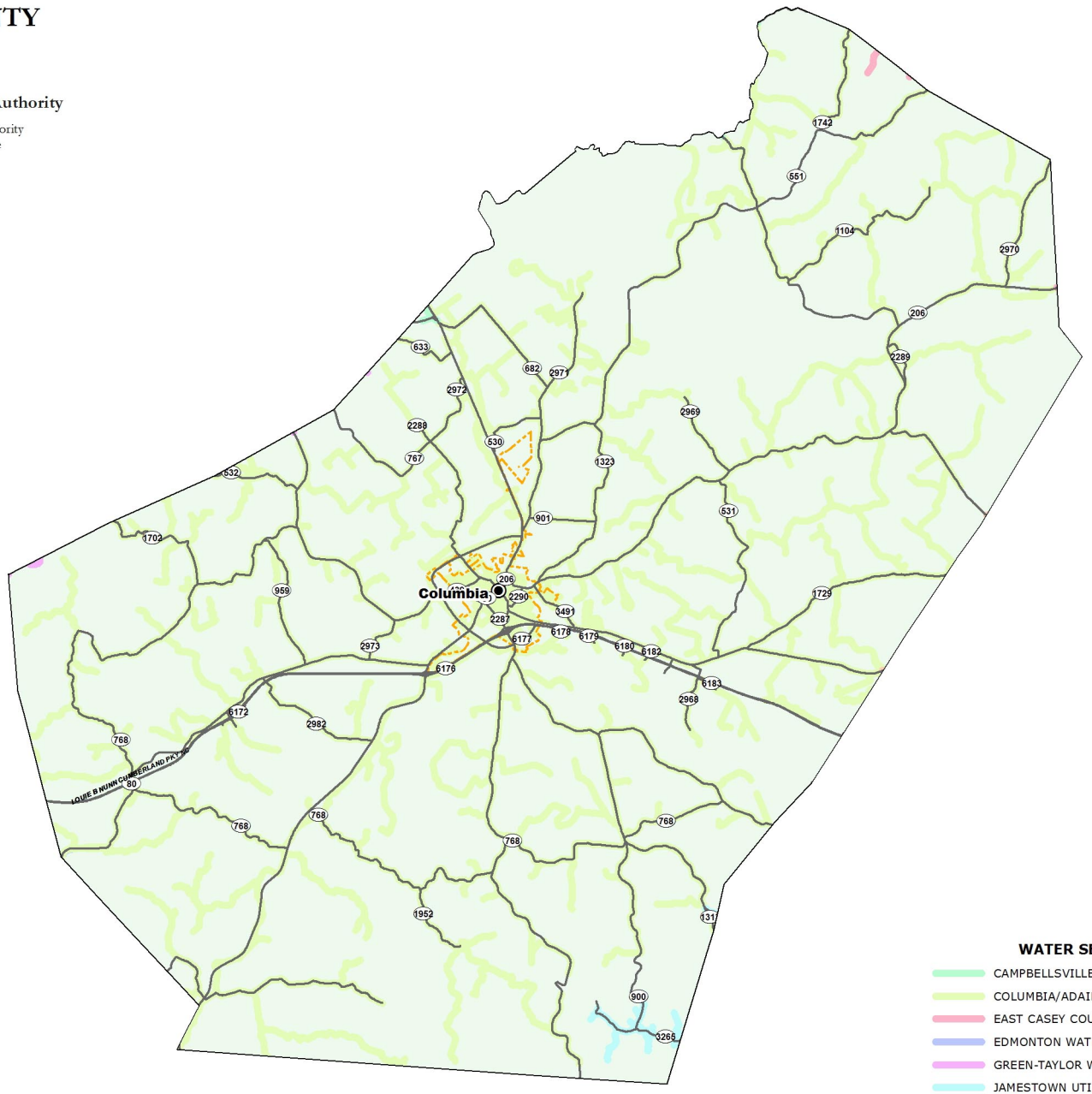
WATER SERVICE AREAS
ADAIR COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CAMPBELLSVILLE MUNICIPAL WATER & SEWER SYSTEM
- COLUMBIA/ADAIR UTILITIES DISTRICT
- EAST CASEY COUNTY WATER DISTRICT
- EDMONTON WATER WORKS
- GREEN-TAYLOR WATER DISTRICT
- JAMESTOWN UTILITIES
- RUSSELL SPRINGS SEWER & WATER WORKS

System Summary for Columbia/Adair Utilities District Water System

PWSID	KY0011016	Treats Water	Yes, 1 plant with total capacity of 5.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	18	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$33.90 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	7,930
Residential Customers	7,310	Total Produced (MG)	702.910
Commercial Customers	410	Total Purchased (MG)	58.645
Institutional Customers	71	Total Inside Usage (MG)	518.292
Industrial Customers	-	Total Wholesale Sold (MG)	6.096
Wholesale Customers	3	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 536.50 miles (Distribution: 524.68 miles, Transmission: 11.83 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Columbia/Adair Utilities District Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21001029	CAUD- Water Main Replacement	0-2 Years	Not Funded	$1,342,530	Adair	19	1
WX21001001	Columbia/Adair Utilities District-Downtown Water System Improvements Phase 2	3-5 Years	Partially Funded	$4,100,000	Adair		
WX21001027	CAUD-- River Crossing	3-5 Years	Not Funded	$855,240	Adair		
WX21087022	Green-Taylor Water District - Distribution Upgrades	0-2 Years	Not Funded	$564,600	Green		

Casey County

- 2010 census population of 15,955 (7,487 households) with 98% serviceable.
- Projected 2020 population of 16,433 (change of 478).
- Casey County has 665.74 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 5.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,656,000.
- There are no projects planned from 6 to 10 years.

Casey County has a 2010 census population count of 15,955 (7,487 households) with a projected 2020 population count of 16,433 (6,791 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,716 instances of improved service through system wide upgrades. 5.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Liberty	1	$7,000,000	-	916	-	-	-
East Casey County Water District	3	$2,656,000	-	800	-	-	5.00
Totals:	**4**	**$9,656,000**	**-**	**1,716**	**-**	**-**	**5.00**

Community Drinking Water Systems in Casey County

Note: Serviceability counts are for households within Casey county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0230556	East Casey County Water District	Casey	12,083	5,769
KY0230987	Liberty Water & Gas	Casey	2,300	1,003
KY0110345	Parksville Water District	Boyle	82	42
KY1000124	Eubank Water System	Pulaski	1,100	482
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	67	32
		Totals:	15,632	7,328

Kentucky Infrastructure Authority
January 04, 2019

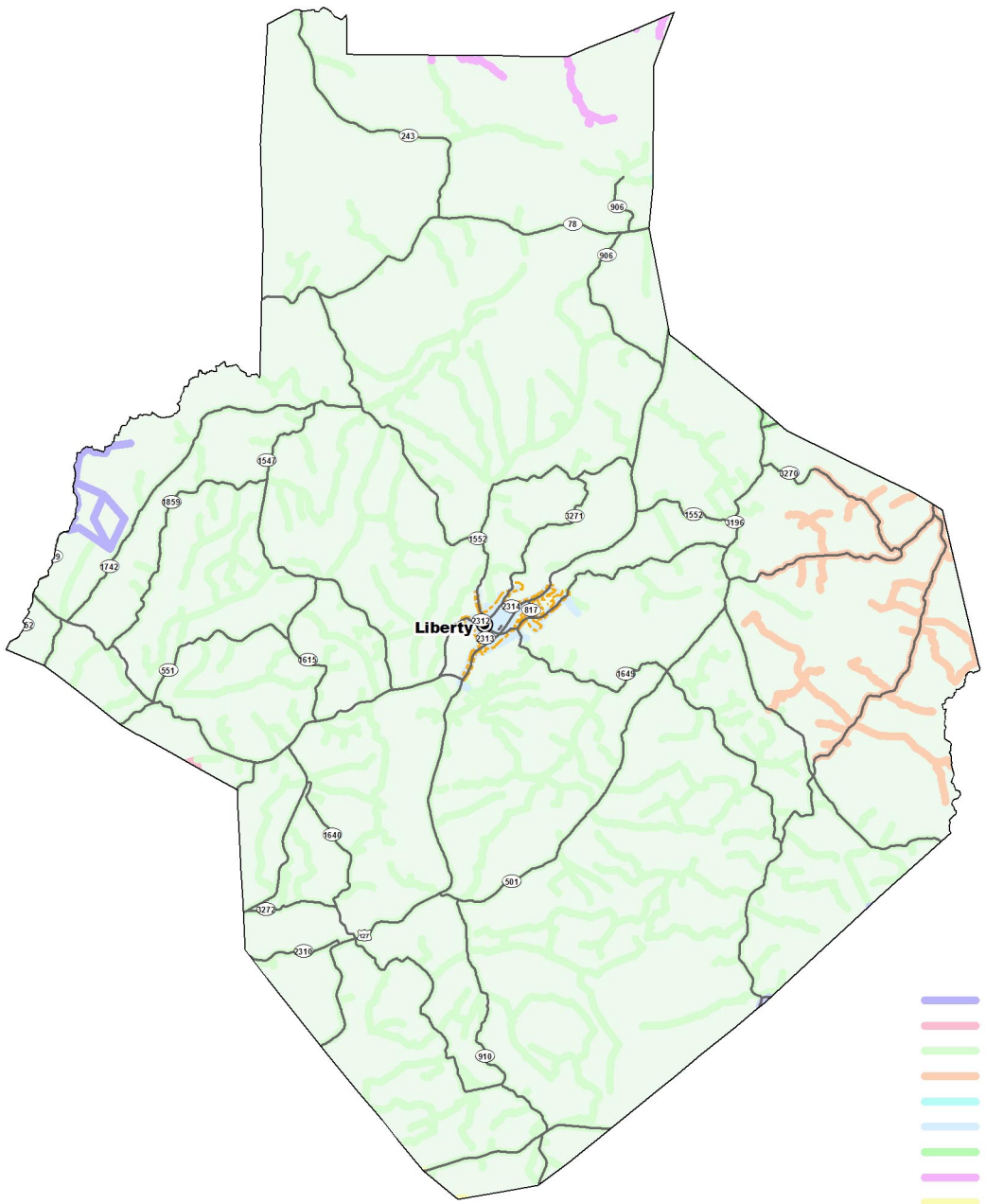
WATER SERVICE AREAS
CASEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CAMPBELLSVILLE MUNICIPAL WATER & SEWER SYSTEM
- COLUMBIA/ADAIR UTILITIES DISTRICT
- EAST CASEY COUNTY WATER DISTRICT
- EUBANK WATER SYSTEM
- HUSTONVILLE WATER WORKS
- LIBERTY WATER & GAS
- MCKINNEY WATER DISTRICT
- PARKSVILLE WATER DISTRICT
- RUSSELL SPRINGS SEWER & WATER WORKS
- WESTERN PULASKI COUNTY WATER DISTRICT

System Summary for East Casey County Water District

PWSID	KY0230556	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 5 providers.
Non-Municipal Cost	$34.20 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	4,672
Residential Customers	4,610	Total Produced (MG)	-
Commercial Customers	61	Total Purchased (MG)	305.355
Institutional Customers	-	Total Inside Usage (MG)	220.923
Industrial Customers	-	Total Wholesale Sold (MG)	0.730
Wholesale Customers	1	Estimated Pct. Water Loss	27%
Total Distribution System Line Length = 576.39 miles (Distribution: 576.39 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for East Casey County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21045016	2018 System Upgrades	0-2 Years	Not Funded	$1,537,000	Casey	12	1
WX21045010	ECCWD-East Casey/Adair Co WD Interconnection	3-5 Years	Not Funded	$819,000	Casey		
WX21045015	ECCWD - Phase 2 Automated Meters	3-5 Years	Not Funded	$300,000	Casey		

System Summary for Liberty Water & Gas

PWSID	KY0230987	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.52 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$40.15 per 4,000 gallons.	Total Connections	917
Residential Customers	684	Total Produced (MG)	444.649
Commercial Customers	231	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	64.874
Industrial Customers	1	Total Wholesale Sold (MG)	240.291
Wholesale Customers	1	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 29.06 miles (Distribution: 25.52 miles, Transmission: 3.54 miles).			

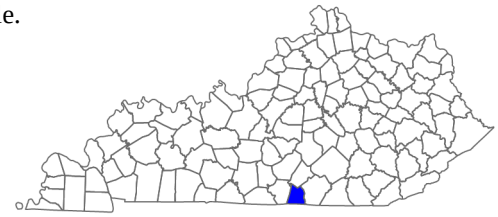
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Liberty Water & Gas

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21045005	Liberty – Moccasin Creek Water Supply Reservoir & Auxiliary Inta	3-5 Years	Not Funded	$7,000,000	Casey	11	2

Clinton County

- 2010 census population of 10,272 (5,311 households) with 99% serviceable.
- Projected 2020 population of 10,896 (change of 624).
- Clinton County has 363.81 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 12.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,429,000.
- Estimated funding needs for projects from 6 to 10 years: $2,927,700.



Clinton County has a 2010 census population count of 10,272 (5,311 households) with a projected 2020 population count of 10,896 (4,755 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,395 instances of improved service through the rehabilitation of 9.00 miles of existing water lines and other appurtenances. 12.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Albany	4	$7,356,700	-	3,395	-	9.00	12.00
Totals:	**4**	**$7,356,700**	**-**	**3,395**	**-**	**9.00**	**12.00**

Community Drinking Water Systems in Clinton County

Note: Serviceability counts are for households within Clinton county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0270003	Albany Municipal Water & Sewer	Clinton	10,046	5,183
KY0290271	Cumberland County Water District	Cumberland	115	61
KY1160291	Monticello Utility Commission	Wayne	31	15
		Totals:	10,192	5,259

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
CLINTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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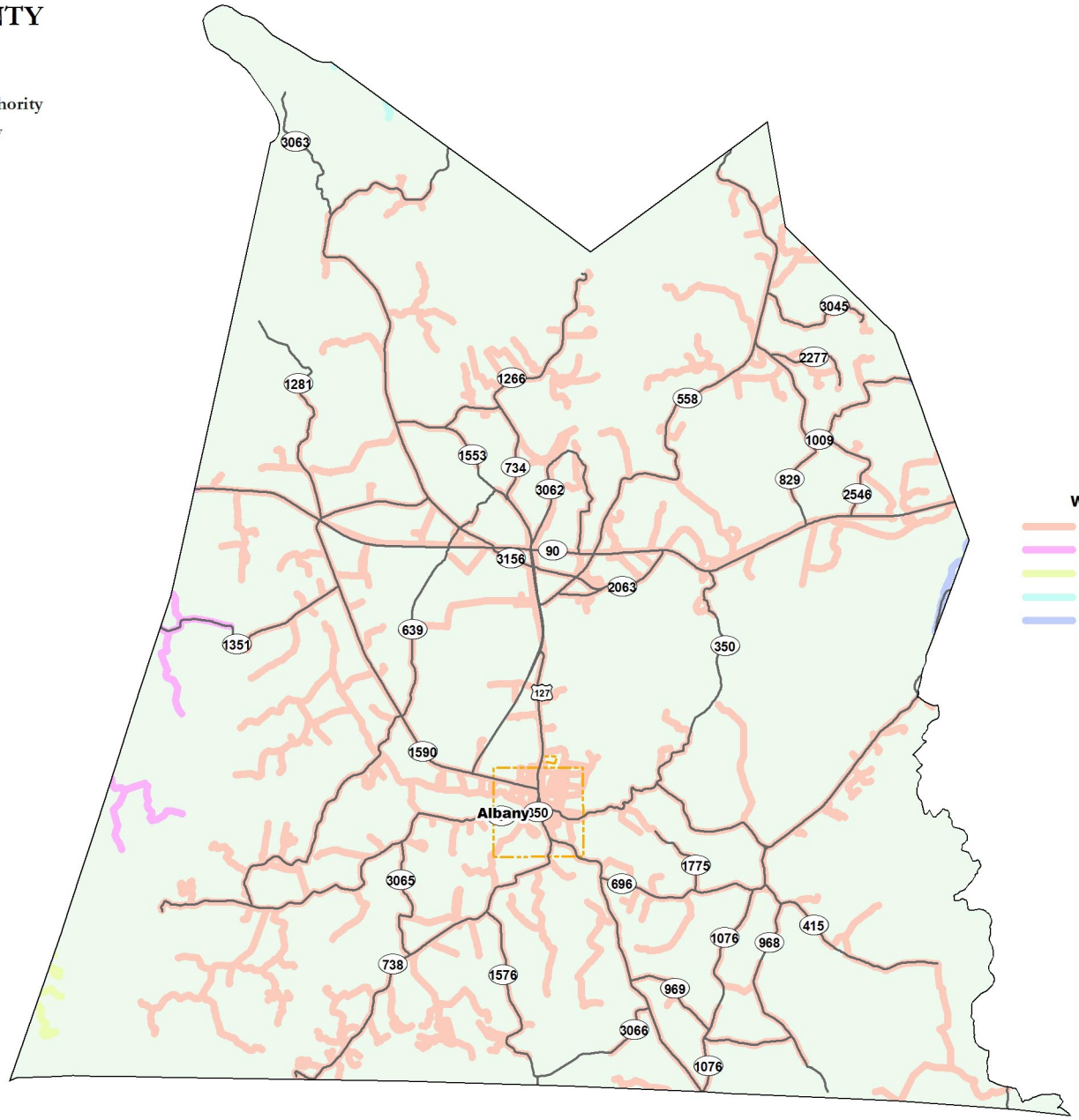

System Summary for Albany Municipal Water & Sewer

PWSID	KY0270003	Treats Water	Yes, 2 plants with total capacity of 4.900 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	16	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$22.09 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$33.19 per 4,000 gallons.	Total Connections	4,907
Residential Customers	4,642	Total Produced (MG)	1,387.120
Commercial Customers	183	Total Purchased (MG)	-
Institutional Customers	81	Total Inside Usage (MG)	753.091
Industrial Customers	-	Total Wholesale Sold (MG)	42.228
Wholesale Customers	1	Estimated Pct. Water Loss	43%
Total Distribution System Line Length = 352.56 miles (Distribution: 338.70 miles, Transmission: 13.86 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Albany Municipal Water & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21053015	Duvall Vallay Area Water System Improvements	3-5 Years	Not Funded	$2,500,000	Clinton	9	1
WX21053004	Albany – Albany Bypass Water Transmission Main	3-5 Years	Not Funded	$1,929,000	Clinton	10	2
WX21053010	Albany - Water Treatment Plant Expansion & Improvements	6-10 Years	Not Funded	$2,500,000	Clinton		
WX21053002	Albany Municipal Waterflow Improvements Project	6-10 Years	Not Funded	$427,700	Clinton		

Cumberland County

- 2010 census population of 6,856 (3,690 households) with 97% serviceable.
- Projected 2020 population of 6,649 (change of -207).
- Cumberland County has 346.59 miles of existing water lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $985,000.
- Estimated funding needs for projects from 6 to 10 years: $255,000.

Cumberland County has a 2010 census population count of 6,856 (3,690 households) with a projected 2020 population count of 6,649 (2,840 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 15 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 448 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Cumberland County Water District	3	$1,240,000	15	448	5.00	3.00	-
Totals:	**3**	**$1,240,000**	**15**	**448**	**5.00**	**3.00**	**-**

Community Drinking Water Systems in Cumberland County

Note: Serviceability counts are for households within Cumberland county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0290049	Burkesville Municipal Water Works	Cumberland	1,948	967
KY0290271	Cumberland County Water District	Cumberland	4,584	2,523
KY0860150	Monroe County Water District	Monroe	40	23
		Totals:	6,572	3,513

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
CUMBERLAND COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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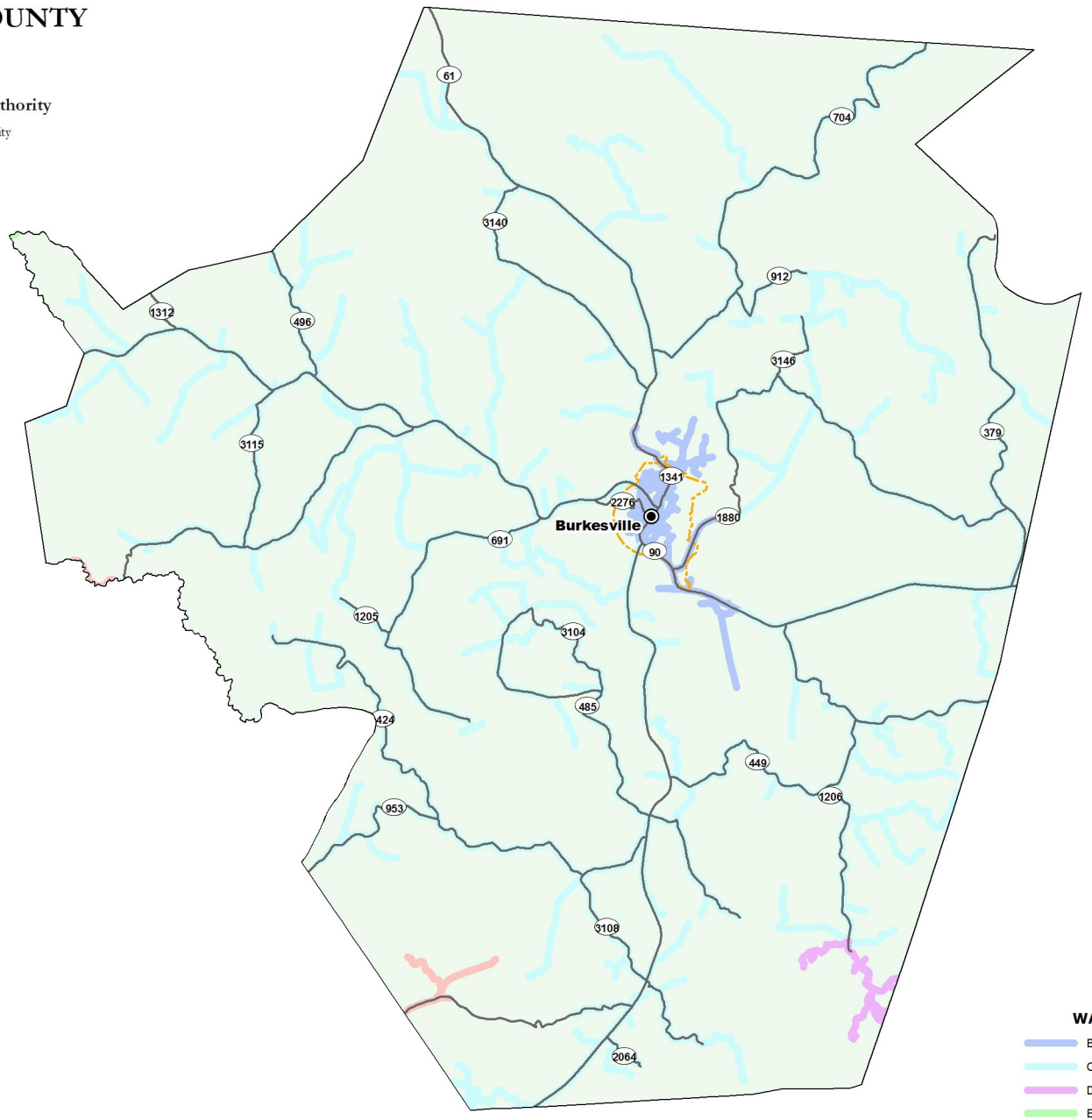


System Summary for Burkesville Municipal Water Works

PWSID	KY0290049	Treats Water	Yes, 1 plant with total capacity of 2.160 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.10 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$45.39 per 4,000 gallons.	Total Connections	846
Residential Customers	670	Total Produced (MG)	244.221
Commercial Customers	133	Total Purchased (MG)	-
Institutional Customers	38	Total Inside Usage (MG)	67.921
Industrial Customers	4	Total Wholesale Sold (MG)	117.137
Wholesale Customers	1	Estimated Pct. Water Loss	24%
Total Distribution System Line Length = 37.34 miles (Distribution: 37.07 miles, Transmission: 0.27 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Burkesville Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21057018	Burkesville Interconnection (North Highway 61)	3-5 Years	Not Funded	$185,000	Cumberland	13	1

System Summary for Cumberland County Water District

PWSID	KY0290271	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	10	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$43.46 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,491
Residential Customers	2,444	Total Produced (MG)	-
Commercial Customers	45	Total Purchased (MG)	159.364
Institutional Customers	-	Total Inside Usage (MG)	117.753
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 313.02 miles (Distribution: 310.61 miles, Transmission: 2.42 miles).

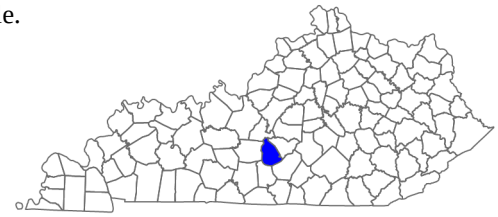
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cumberland County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21057018	Burkesville Interconnection (North Highway 61)	3-5 Years	Not Funded	$185,000	Cumberland	13	1
WX21133036	Water Treatment Facility Cumberland River Phase IV	3-5 Years	Not Funded	$7,113,000	Letcher		
WX21057021	Kentucky Highway 704 Water Sysem Improvements	3-5 Years	Not Funded	$800,000	Cumberland		
WX21057004	Zeketown Road Water Line Extension	6-10 Years	Not Funded	$255,000	Cumberland		

Green County

- 2010 census population of 11,258 (5,324 households) with 98% serviceable.
- Projected 2020 population of 11,112 (change of -146).
- Green County has 447.86 miles of existing water lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $10,973,620.
- Estimated funding needs for projects from 6 to 10 years: $750,000.



Green County has a 2010 census population count of 11,258 (5,324 households) with a projected 2020 population count of 11,112 (4,660 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 52 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 8,644 instances of improved service through the rehabilitation of 12.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Campbellsville	1	$3,181,900	-	-	-	-	4.00
City of Greensburg	1	$4,875,000	-	258	-	6.00	-
Green-Taylor Water District	5	$3,666,720	52	8,386	5.00	6.00	-
Totals:	**7**	**$11,723,620**	**52**	**8,644**	**5.00**	**12.00**	**4.00**

Community Drinking Water Systems in Green County

Note: Serviceability counts are for households within Green county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0440167	Green-Taylor Water District	Green	7,812	3,650
KY0440168	Greensburg Water Department	Green	2,283	1,138
KY0500166	Green River Valley Water District	Hart	888	413
		Totals:	10,983	5,201

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
GREEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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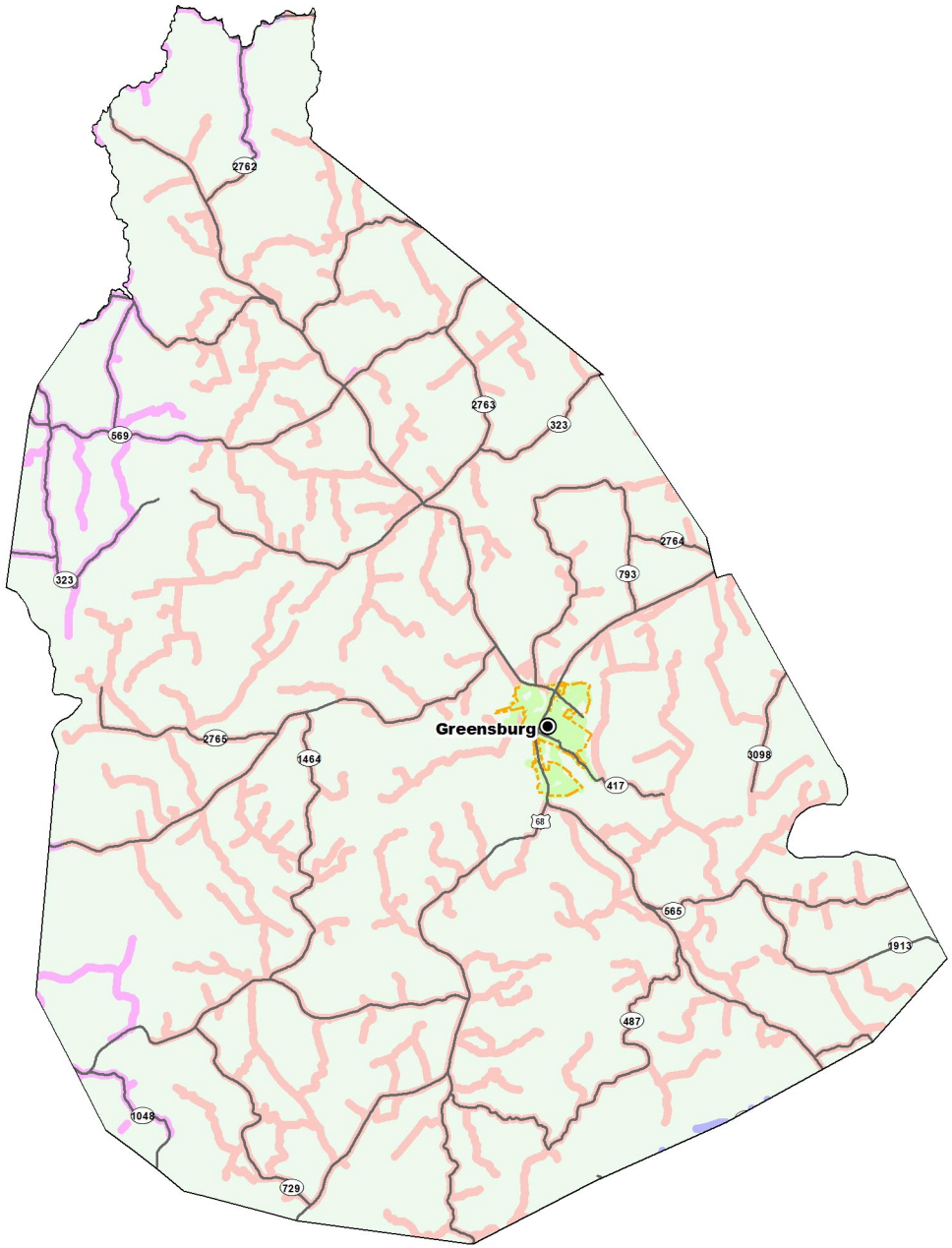

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WATER SERVICE BY OWNER

- COLUMBIA/ADAIR UTILITIES DISTRICT
- GREEN RIVER VALLEY WATER DISTRICT
- GREEN-TAYLOR WATER DISTRICT
- GREENSBURG WATER DEPARTMENT
- LARUE COUNTY WATER DISTRICT #1

System Summary for Green-Taylor Water District

PWSID	KY0440167	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	17	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$37.40 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,015
Residential Customers	4,941	Total Produced (MG)	-
Commercial Customers	72	Total Purchased (MG)	351.056
Institutional Customers	-	Total Inside Usage (MG)	301.834
Industrial Customers	-	Total Wholesale Sold (MG)	9.709
Wholesale Customers	2	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 496.98 miles (Distribution: 495.78 miles, Transmission: 1.21 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Green-Taylor Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21217026	City of Campbellsville-24 Inch Raw Water Line (Intake to KY High	3-5 Years	Not Funded	$4,570,000	Taylor	2	1
WX21087023	Green-Taylor Water District--Line Extensions to Improve Flow	0-2 Years	Not Funded	$1,518,120	Green	4	1
WX21217025	2017 Water System Improvements	3-5 Years	Partially Funded	$8,300,000	Taylor		
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		
WX21217028	WTP Improvements- Residuals Handling System Additions	0-2 Years	Partially Funded	$4,362,000	Taylor		
WX21087015	GTWD – Summersville 300,000 Gallon Storage Tank Project	6-10 Years	Not Funded	$750,000	Green		
WX21217019	Green-Taylor - Taylor County Water Line Extension	3-5 Years	Not Funded	$634,000	Taylor		
WX21087022	Green-Taylor Water District - Distribution Upgrades	0-2 Years	Not Funded	$564,600	Green		
WX21087021	Pierce Tank Improvements	3-5 Years	Not Funded	$200,000	Green		
WX21217024	Pine Road Water Line Extension	3-5 Years	Not Funded	$147,000	Taylor		

System Summary for Greensburg Water Department

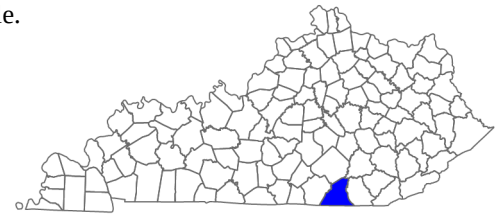
PWSID	KY0440168	Treats Water	Yes, 1 plant with total capacity of 0.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$28.75 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$50.20 per 4,000 gallons.	Total Connections	913
Residential Customers	792	Total Produced (MG)	272.700
Commercial Customers	84	Total Purchased (MG)	6.488
Institutional Customers	-	Total Inside Usage (MG)	87.499
Industrial Customers	-	Total Wholesale Sold (MG)	138.690
Wholesale Customers	1	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 28.80 miles (Distribution: 27.95 miles, Transmission: 0.85 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Greensburg Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21087024	Water Distribution System Improvements	3-5 Years	Not Funded	$4,875,000	Green	20	1
WX21217004	Green County Connector to Campbellsville	3-5 Years	Not Funded	$3,181,900	Taylor		

McCreary County



- 2010 census population of 18,306 (7,507 households) with 84% serviceable.
- Projected 2020 population of 18,314 (change of 8).
- McCreary County has 337.58 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,382,310.
- Estimated funding needs for projects from 6 to 10 years: $246,000.

McCreary County has a 2010 census population count of 18,306 (7,507 households) with a projected 2020 population count of 18,314 (6,819 households). Public water is currently available to approximately 84 percent of the county's households based on 2010 census counts. Over the next ten years approximately 30 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 670 instances of improved service through the rehabilitation of 13.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
McCreary County Water District	10	$13,628,310	30	670	3.00	13.00	-
Totals:	**10**	**$13,628,310**	**30**	**670**	**3.00**	**13.00**	**-**

Community Drinking Water Systems in McCreary County

Note: Serviceability counts are for households within McCreary county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0740276	McCreary County Water District	McCreary	14,873	6,265
		Totals:	14,873	6,265

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MCCREARY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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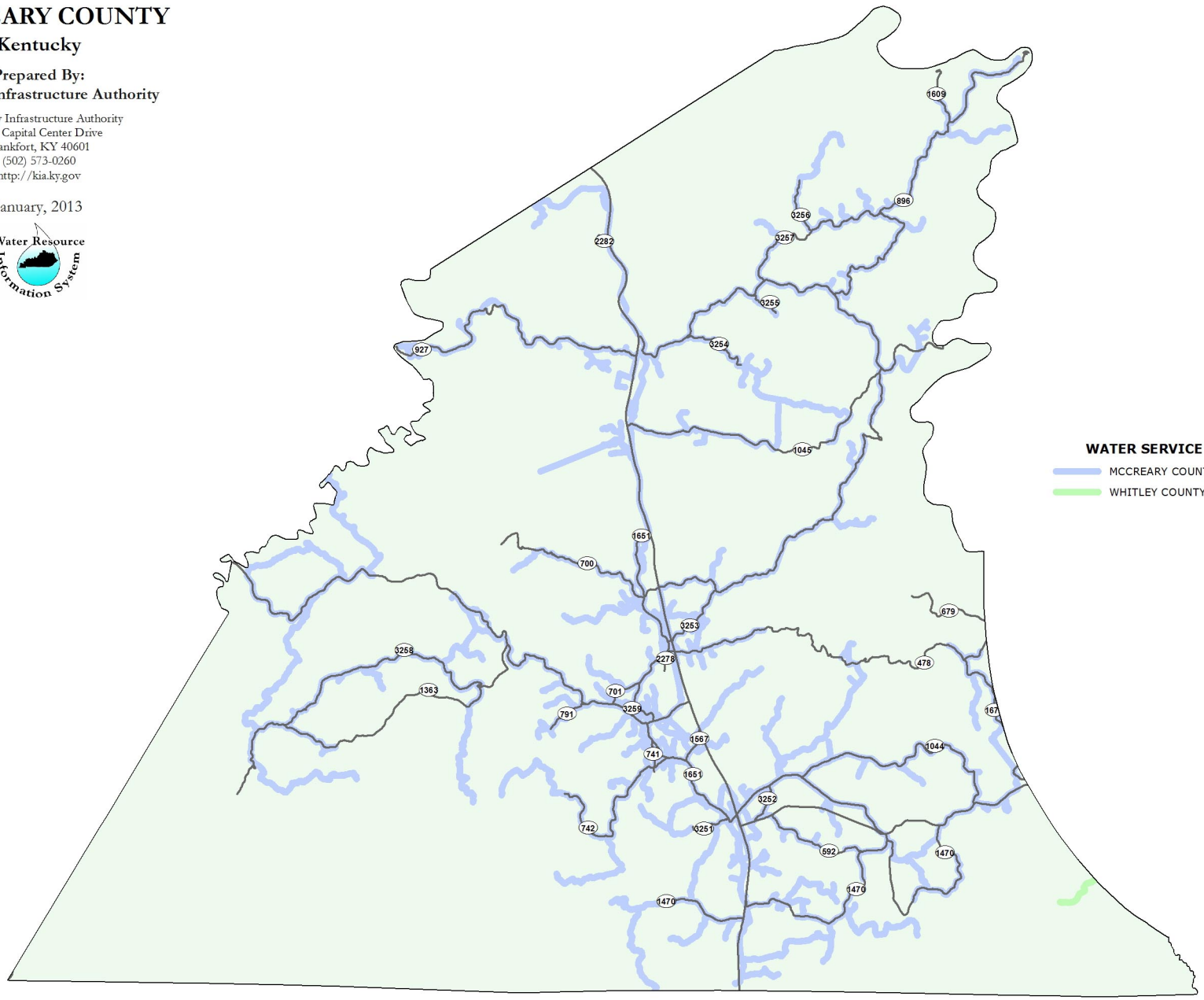


System Summary for McCreary County Water District

PWSID	KY0740276	Treats Water	Yes, 2 plants with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	19	Wholesale Purchaser	No
Non-Municipal Cost	$33.85 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 11 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	6,191
Residential Customers	5,692	Total Produced (MG)	622.400
Commercial Customers	246	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	280.326
Industrial Customers	7	Total Wholesale Sold (MG)	7.608
Wholesale Customers	1	Estimated Pct. Water Loss	54%

Total Distribution System Line Length = 335.76 miles (Distribution: 318.53 miles, Transmission: 17.22 miles).

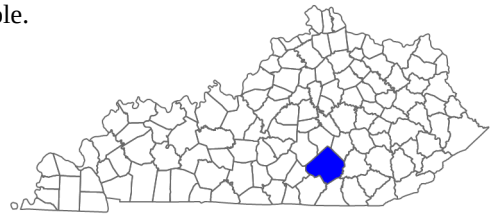
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for McCreary County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21147015	Stearns to Smithtown Phase 2 - Water Line Replacements	0-2 Years	Not Funded	$2,202,600	McCreary	3	1
WX21147035	Marsh Creek to HWY 92	0-2 Years	Not Funded	$1,444,710	McCreary	6	2
WX21147022	MCWD – New Pine Knot & Marshes Sidings Storage Tanks	3-5 Years	Not Funded	$4,596,000	McCreary	22	3
WX21147033	MCWD - Marshes Siding 1.0 MG Storage Tank	3-5 Years	Not Funded	$2,800,000	McCreary		
WX21147031	McCreary County Water District Radio Read Meter System	3-5 Years	Not Funded	$1,981,000	McCreary		
WX21147028	Stearns to Smithtown Phase 1 - Water Line Replacements	3-5 Years	Not Funded	$1,139,000	McCreary		
WX21147020	MCCWD – Strunk Ridge Road Water Main Replacement Project	3-5 Years	Not Funded	$174,000	McCreary		
WX21147025	MCWD – Flat Rock Road Water Main Extension Project In Pine Knot	6-10 Years	Partially Funded	$150,000	McCreary		
WX21147017	MCCWD – Williamsburg Street Water Main Replacement Project	3-5 Years	Not Funded	$149,000	McCreary		
WX21147013	MCWD – Catron/Needle Road Water Line Project	6-10 Years	Not Funded	$96,000	McCreary		
WX21147026	MCWD - Lake Shore Drive Water Line Extension	3-5 Years	Not Funded	$35,000	McCreary		

Pulaski County

- 2010 census population of 63,063 (31,443 households) with 97% serviceable.
- Projected 2020 population of 71,036 (change of 7,973).
- Pulaski County has 1,427.99 miles of existing water lines.
- 49.00 miles of line extensions proposed in the next 10 years.
- 38.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $24,531,028.
- Estimated funding needs for projects from 6 to 10 years: $2,297,585.



Pulaski County has a 2010 census population count of 63,063 (31,443 households) with a projected 2020 population count of 71,036 (29,901 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 36 serviceable households will be added through the construction of 49.00 miles of water line extensions and approximately 20,971 instances of improved service through the rehabilitation of 38.00 miles of existing water lines and other appurtenances. 6.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Burnside	10	$5,244,000	-	3,766	-	10.00	-
City of Eubank	3	$677,800	-	4,983	-	5.00	-
City of Science Hill	5	$4,471,585	27	2,135	36.00	7.00	-
City of Somerset	2	$7,027,878	-	8,836	1.00	-	-
South Eastern Water Association Inc	7	$8,696,150	9	1,205	12.00	14.00	6.00
Western Pulaski County Water District	1	$711,200	-	46	-	2.00	-
Totals:	**28**	**$26,828,613**	**36**	**20,971**	**49.00**	**38.00**	**6.00**

Community Drinking Water Systems in Pulaski County

Note: Serviceability counts are for households within Pulaski county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1000043	Bronston Water Association	Pulaski	2,408	1,587
KY1000050	Burnside Municipal Water Works	Pulaski	1,388	800
KY1000124	Eubank Water System	Pulaski	4,546	1,983
KY1000362	Science Hill Water Works	Pulaski	4,823	2,088
KY1000403	Somerset Utilities	Pulaski	17,117	8,277
KY1000311	Southeastern Water Association	Pulaski	14,711	7,863
KY1000363	Western Pulaski County Water District	Pulaski	15,893	7,434
KY1000973	Woodson Bend Property Owners Association	Pulaski	124	338
KY1020891	Western Rockcastle Water Association	Rockcastle	350	165
		Totals:	61,360	30,535

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
PULASKI COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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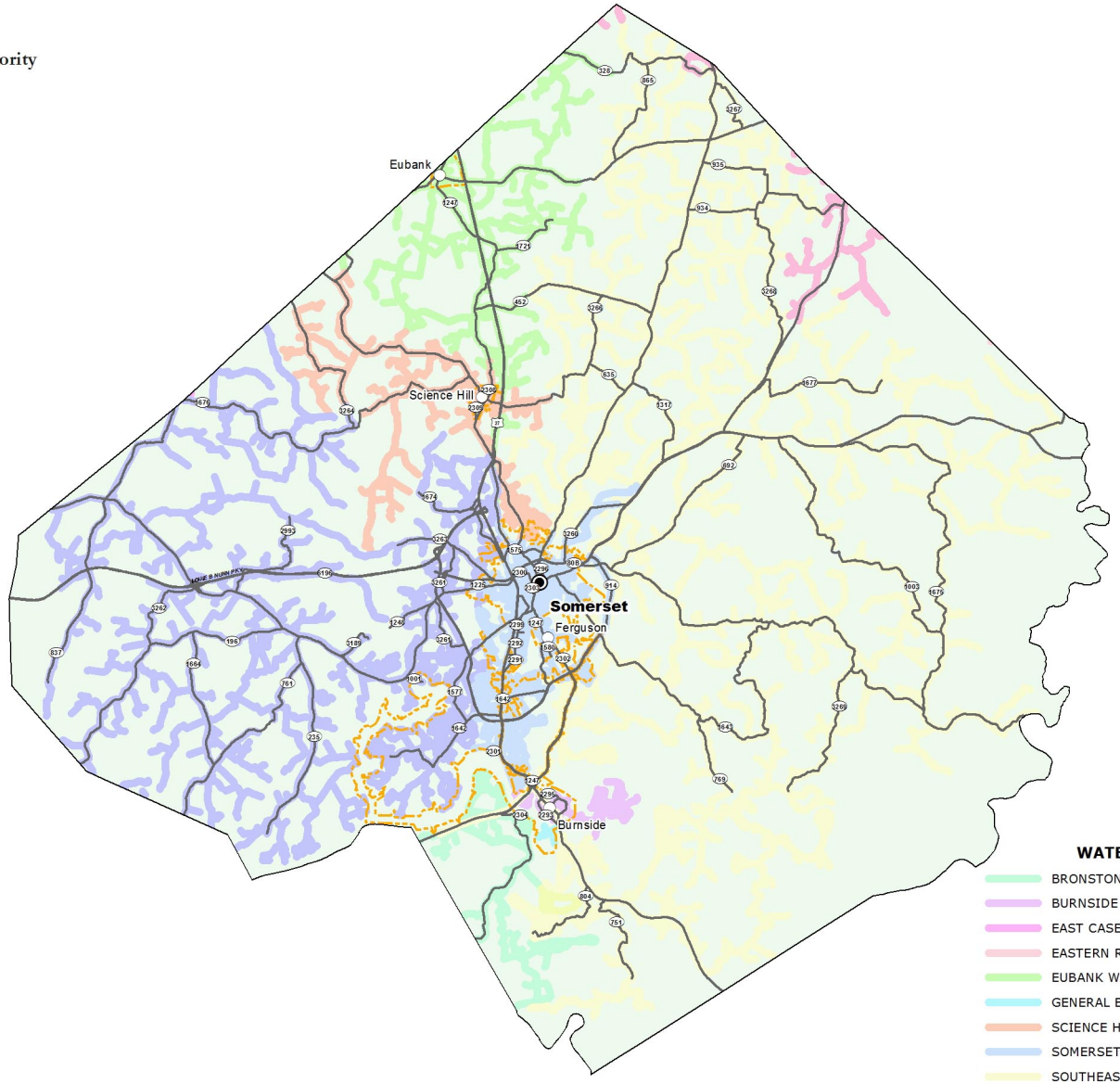
Water Resource Information System



WATER SERVICE BY OWNER

- BRONSTON WATER ASSOCIATION
- BURNSIDE MUNICIPAL WATER WORKS
- EAST CASEY COUNTY WATER DISTRICT
- EASTERN ROCKCASTLE COUNTY WATER ASSOCIATION
- EUBANK WATER SYSTEM
- GENERAL BURNSIDE ISLAND STATE PARK
- SCIENCE HILL WATER WORKS
- SOMERSET UTILITIES
- SOUTHEASTERN WATER ASSOCIATION
- WESTERN PULASKI COUNTY WATER DISTRICT
- WESTERN ROCKCASTLE WATER ASSOCIATION
- WOODSON BEND PROPERTY OWNERS ASSOCIATION

System Summary for Bronston Water Association

PWSID	KY1000043	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$39.62 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,804
Residential Customers	1,724	Total Produced (MG)	-
Commercial Customers	80	Total Purchased (MG)	82.142
Institutional Customers	-	Total Inside Usage (MG)	65.287
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 85.89 miles (Distribution: 85.89 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bronston Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199129	2018 Water Line Replacements & Improvements Project	0-2 Years	Not Funded	$680,000	Wayne	21	2

System Summary for Burnside Municipal Water Works

PWSID	KY1000050	Treats Water	Yes, 1 plant with total capacity of 0.288 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$47.47 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$58.34 per 4,000 gallons.	Total Connections	586
Residential Customers	527	Total Produced (MG)	50.404
Commercial Customers	44	Total Purchased (MG)	7.674
Institutional Customers	-	Total Inside Usage (MG)	28.542
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	51%

Total Distribution System Line Length = 32.18 miles (Distribution: 32.11 miles, Transmission: 0.07 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Burnside Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199128	Burnside Combined Waterline Improvements	0-2 Years	Not Funded	$2,227,000	Pulaski	1	1
WX21199073	Burnside-Phase VI Waterline Improvements (Revised)	3-5 Years	Not Funded	$746,000	Pulaski		
WX21199048	Burnside – Phase IV Elevated Water Tank	6-10 Years	Not Funded	$611,000	Pulaski		
WX21199111	Burnside/Main Street (US 27) Waterline Replacement	3-5 Years	Not Funded	$591,000	Pulaski		
WX21199113	Burnside/West Lakeshore Drive (Pharmacy at US 27 to W. French) W	3-5 Years	Not Funded	$274,000	Pulaski		
WX21199112	Burnside/East Lakeshore Drive Waterline Replacement	3-5 Years	Not Funded	$210,000	Pulaski		
WX21199114	Burnside/West Lakeshore Dr. Waterline Replacement	3-5 Years	Not Funded	$197,000	Pulaski		
WX21199051	Burnside – Tank Cleaning & Painting Project	6-10 Years	Not Funded	$175,000	Pulaski		
WX21199087	Burnside–E. French Ave. Water Project	3-5 Years	Not Funded	$170,000	Pulaski		
WX21199110	Burnside/Boland Dr. Waterline Replacement	3-5 Years	Not Funded	$43,000	Pulaski		

System Summary for Eubank Water System

PWSID	KY1000124	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$34.51 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	4,338
Residential Customers	4,230	Total Produced (MG)	-
Commercial Customers	107	Total Purchased (MG)	312.562
Institutional Customers	-	Total Inside Usage (MG)	187.492
Industrial Customers	-	Total Wholesale Sold (MG)	23.717
Wholesale Customers	2	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 265.86 miles (Distribution: 261.25 miles, Transmission: 4.60 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Eubank Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21137047	Waynesburg Water Line Replacement (KY HWY 328)	0-2 Years	Not Funded	$85,000	Lincoln	16	5
WX21199115	Relocate Water Line from KY 501 Bridge at RR - Kings Mountain	3-5 Years	Not Funded	$302,000	Pulaski	23	4
WX21199106	Water Meter Replacement Project	3-5 Years	Not Funded	$357,000	Pulaski	24	3
WX21199095	Eubank – Water Line Replacement (West Ridge Rd.)	0-2 Years	Not Funded	$273,800	Pulaski	25	2
WX21199116	New 12" Transmission Water Line (Todds Road to New Tank)	3-5 Years	Not Funded	$205,000	Pulaski		
WX21199102	City of Eubank – Water Line Replacement Estesburg Road/KY 1721 A	3-5 Years	Not Funded	$199,000	Pulaski		
WX21137041	North Fishing Creek Water Line Extension	0-2 Years	Not Funded	$100,000	Lincoln		
WX21137043	South Fishing Creek Water Line Extension	0-2 Years	Not Funded	$100,000	Lincoln		
WX21137040	Tunnel Road Waterline Extension	0-2 Years	Not Funded	$20,000	Lincoln		

System Summary for Science Hill Water Works

PWSID	KY1000362	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$23.50 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$29.30 per 4,000 gallons.	Total Connections	2,056
Residential Customers	1,995	Total Produced (MG)	-
Commercial Customers	61	Total Purchased (MG)	132.532
Institutional Customers	-	Total Inside Usage (MG)	150.982
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-14%

Total Distribution System Line Length = 83.24 miles (Distribution: 82.97 miles, Transmission: 0.26 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Science Hill Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199002	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	3-5 Years	Not Funded	$5,879,878	Pulaski	5	1
WX21199127	KY 1247 Waterline Extension	0-2 Years	Not Funded	$514,700	Pulaski	15	1
WX21199027	Science Hill 12" Transmission Main and Booster Pump Station	3-5 Years	Not Funded	$1,926,300	Pulaski		
WX21199001	Science Hill Water 0-2 Yr. Additions & Improvements	3-5 Years	Not Funded	$801,500	Pulaski		
WX21199014	Science Hill Water System 6-10 Yr. Additions/Improvements	6-10 Years	Not Funded	$679,085	Pulaski		
WX21199026	Science Hill Upgrade and Extension Project	6-10 Years	Not Funded	$550,000	Pulaski		

System Summary for Somerset Utilities

PWSID	KY1000403	Treats Water	Yes, 1 plant with total capacity of 16.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	24	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$9.01 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 11.000 MG.
Outside Mun. Cost	$15.66 per 4,000 gallons.	Total Connections	9,356
Residential Customers	6,877	Total Produced (MG)	2,827.019
Commercial Customers	2,210	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	739.544
Industrial Customers	16	Total Wholesale Sold (MG)	1,497.580
Wholesale Customers	4	Estimated Pct. Water Loss	21%
Total Distribution System Line Length = 167.31 miles (Distribution: 166.86 miles, Transmission: 0.45 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Somerset Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199002	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	3-5 Years	Not Funded	$5,879,878	Pulaski	5	1
WX21199131	Valley Oak Industrial Park Water System Improvements	0-2 Years	Not Funded	$1,148,000	Pulaski	7	2

Pulaski County (continued)

System Summary for Southeastern Water Association

PWSID	KY1000311	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$46.95 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	7,442
Residential Customers	7,371	Total Produced (MG)	-
Commercial Customers	70	Total Purchased (MG)	572.643
Institutional Customers	-	Total Inside Usage (MG)	293.412
Industrial Customers	-	Total Wholesale Sold (MG)	7.674
Wholesale Customers	1	Estimated Pct. Water Loss	47%

Total Distribution System Line Length = 585.67 miles (Distribution: 583.38 miles, Transmission: 2.29 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Southeastern Water Association

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199002	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	3-5 Years	Not Funded	$5,879,878	Pulaski	5	1
WX21199131	Valley Oak Industrial Park Water System Improvements	0-2 Years	Not Funded	$1,148,000	Pulaski	7	2
WX21199082	SWA – Bandy Area Water System Improvements	3-5 Years	Not Funded	$3,350,000	Pulaski		
WX21199004	KY 192/KY 1003 Waterline Replacement And Sandy Gap/Dixie Bend Pump Station Replacement	0-2 Years	Not Funded	$2,744,650	Pulaski		
WX21199084	SWA – Sloans Valley Road Waterline Improvements	3-5 Years	Not Funded	$730,000	Pulaski		
WX21199022	System Reinforcements for Dahl-Elrod Road and KY 461 Areas	3-5 Years	Not Funded	$691,000	Pulaski		
WX21199117	KY 1003 - Providence Road Water Line Replacement Project	3-5 Years	Not Funded	$518,000	Pulaski		
WX21199118	KY 80 Water Line Replacement Project	3-5 Years	Not Funded	$380,000	Pulaski		
WX21199119	KY 192 Buck Creek Water Line Crossing Project	6-10 Years	Not Funded	$282,500	Pulaski		

System Summary for Western Pulaski County Water District

PWSID	KY1000363	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$27.79 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	8,673
Residential Customers	8,606	Total Produced (MG)	-
Commercial Customers	67	Total Purchased (MG)	479.843
Institutional Customers	-	Total Inside Usage (MG)	365.294
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 460.76 miles (Distribution: 460.76 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Western Pulaski County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199002	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	3-5 Years	Not Funded	$5,879,878	Pulaski	5	1
WX21199130	Water Line Replacement Project	0-2 Years	Not Funded	$711,200	Pulaski		

System Summary for Woodson Bend Property Owners Association

PWSID	KY1000973	Treats Water	Yes, 1 plant with total capacity of 0.140 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	490
Residential Customers	487	Total Produced (MG)	17.816
Commercial Customers	3	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	16.660
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%

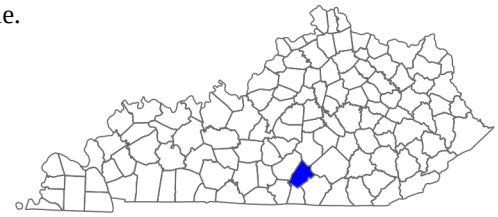
Total Distribution System Line Length = 5.00 miles (Distribution: 4.77 miles, Transmission: 0.23 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Woodson Bend Property Owners Association

Russell County

- 2010 census population of 17,565 (9,993 households) with 98% serviceable.
- Projected 2020 population of 18,782 (change of 1,217).
- Russell County has 535.09 miles of existing water lines.
- 19.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,510,062.
- Estimated funding needs for projects from 6 to 10 years: $811,823.



Russell County has a 2010 census population count of 17,565 (9,993 households) with a projected 2020 population count of 18,782 (8,112 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 34 serviceable households will be added through the construction of 19.00 miles of water line extensions. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Jamestown	11	$2,510,062	34	-	19.00	-	-
City of Russell Springs	2	$811,823	-	-	-	-	1.00
Totals:	**13**	**$3,321,885**	**34**	**-**	**19.00**	**-**	**1.00**

Community Drinking Water Systems in Russell County

Note: Serviceability counts are for households within Russell county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1040210	Jamestown Utilities	Russell	7,251	4,138
KY1040377	Russell Springs Sewer & Water Works	Russell	9,409	4,885
KY0011016	Columbia/Adair Utilities District Water System	Adair	30	14
KY1000363	Western Pulaski County Water District	Pulaski	510	770
		Totals:	17,200	9,807

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
RUSSELL COUNTY
Kentucky

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Kentucky Infrastructure Authority
1024 Capital Center Drive
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(502) 573-0260
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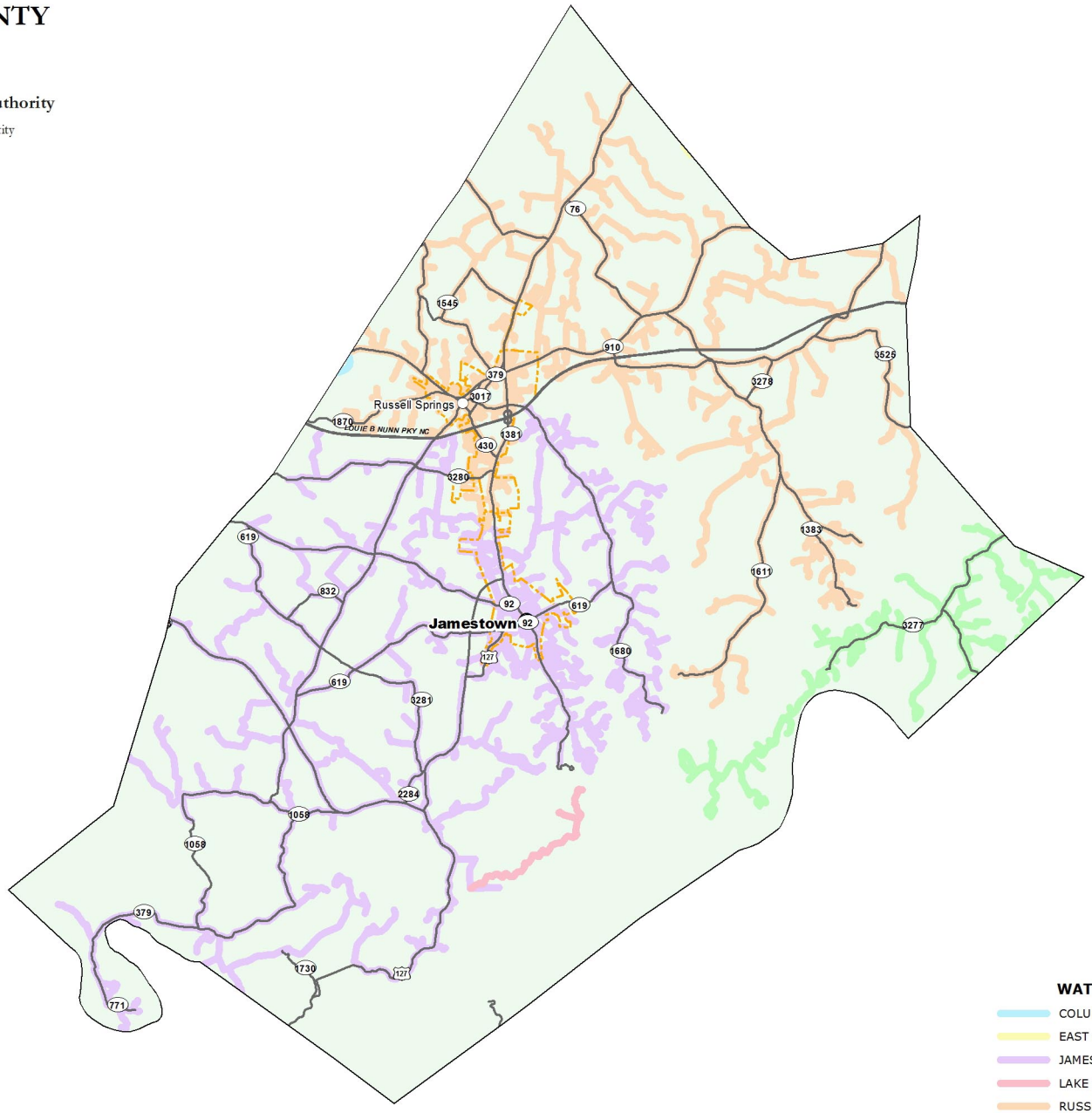
Water Resource Information System



System Summary for Jamestown Utilities

PWSID	KY1040210	Treats Water	Yes, 1 plant with total capacity of 6.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$27.00 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.00 per 4,000 gallons.	Total Connections	3,639
Residential Customers	3,485	Total Produced (MG)	859.382
Commercial Customers	144	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	271.002
Industrial Customers	-	Total Wholesale Sold (MG)	494.048
Wholesale Customers	2	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 262.98 miles (Distribution: 261.48 miles, Transmission: 1.49 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jamestown Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21207026	Jamestown Water Meter Replacement	0-2 Years	Not Funded	$1,167,000	Russell	18	2
WX21207015	Jamestown – Rose Crossroads Area	3-5 Years	Not Funded	$511,721	Russell		
WX21207016	Jamestown – Creelsboro Area	3-5 Years	Not Funded	$343,959	Russell		
WX21207019	Jamestown Utilities-Gum Corners Area Water System Extension	3-5 Years	Not Funded	$164,236	Russell		
WX21207022	Jamestown Utilities-Sewellton Area Water System Extension	3-5 Years	Not Funded	$77,485	Russell		
WX21207024	Jamestown Utilities-Todd Road Water System Extension	3-5 Years	Not Funded	$69,147	Russell		
WX21207018	Jamestown Utilities-Olga Area Water System Extension	3-5 Years	Not Funded	$53,284	Russell		
WX21207021	Jamestown Utilities-Old Olga Area Water System Extension	3-5 Years	Not Funded	$37,885	Russell		
WX21207017	Jamestown Utilities-Blair School/Mt. Pleasant Road Water Project	3-5 Years	Not Funded	$36,199	Russell		
WX21207023	Jamestown Utilities-Manntown Area Water System Extension	3-5 Years	Not Funded	$24,643	Russell		
WX21207020	Jamestown Utilities-Downtown Area Water System Extension	3-5 Years	Not Funded	$24,503	Russell		

System Summary for Russell Springs Sewer & Water Works

PWSID	KY1040377	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$24.58 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$39.75 per 4,000 gallons.	Total Connections	5,121
Residential Customers	4,074	Total Produced (MG)	-
Commercial Customers	380	Total Purchased (MG)	461.285
Institutional Customers	-	Total Inside Usage (MG)	270.555
Industrial Customers	17	Total Wholesale Sold (MG)	47.664
Wholesale Customers	2	Estimated Pct. Water Loss	31%

Total Distribution System Line Length = 229.30 miles (Distribution: 229.07 miles, Transmission: 0.23 miles).

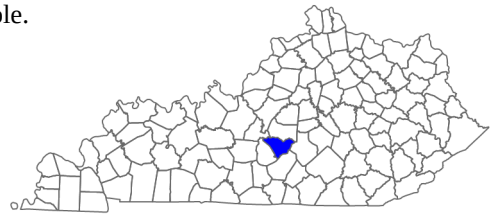
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Russell Springs Sewer & Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21207010	Russell Springs – Russell/Casey Inter-County Water Line Connection	6-10 Years	Not Funded	$711,823	Russell		
WX21207013	Russell Springs/RC IDA – French Valley Business Park Water Line Extension	6-10 Years	Not Funded	$100,000	Russell		

Taylor County

- 2010 census population of 24,512 (10,864 households) with 97% serviceable.
- Projected 2020 population of 26,079 (change of 1,567).
- Taylor County has 479.69 miles of existing water lines.
- 47.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 11.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $21,490,235.
- There are no projects planned from 6 to 10 years.



Taylor County has a 2010 census population count of 24,512 (10,864 households) with a projected 2020 population count of 26,079 (10,663 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 62 serviceable households will be added through the construction of 47.00 miles of water line extensions and approximately 15,462 instances of improved service through the rehabilitation of 6.00 miles of existing water lines and other appurtenances. 11.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Campbellsville	5	$18,626,515	51	15,312	39.00	1.00	11.00
Green-Taylor Water District	4	$2,863,720	11	150	8.00	5.00	-
Totals:	**9**	**$21,490,235**	**62**	**15,462**	**47.00**	**6.00**	**11.00**

Community Drinking Water Systems in Taylor County

Note: Serviceability counts are for households within Taylor county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	20,721	9,226
KY0011016	Columbia/Adair Utilities District Water System	Adair	40	19
KY0440167	Green-Taylor Water District	Green	2,982	1,256
KY0620237	Larue County Water District #1	Larue	50	29
		Totals:	23,793	10,530

Kentucky Infrastructure Authority
January 04, 2019

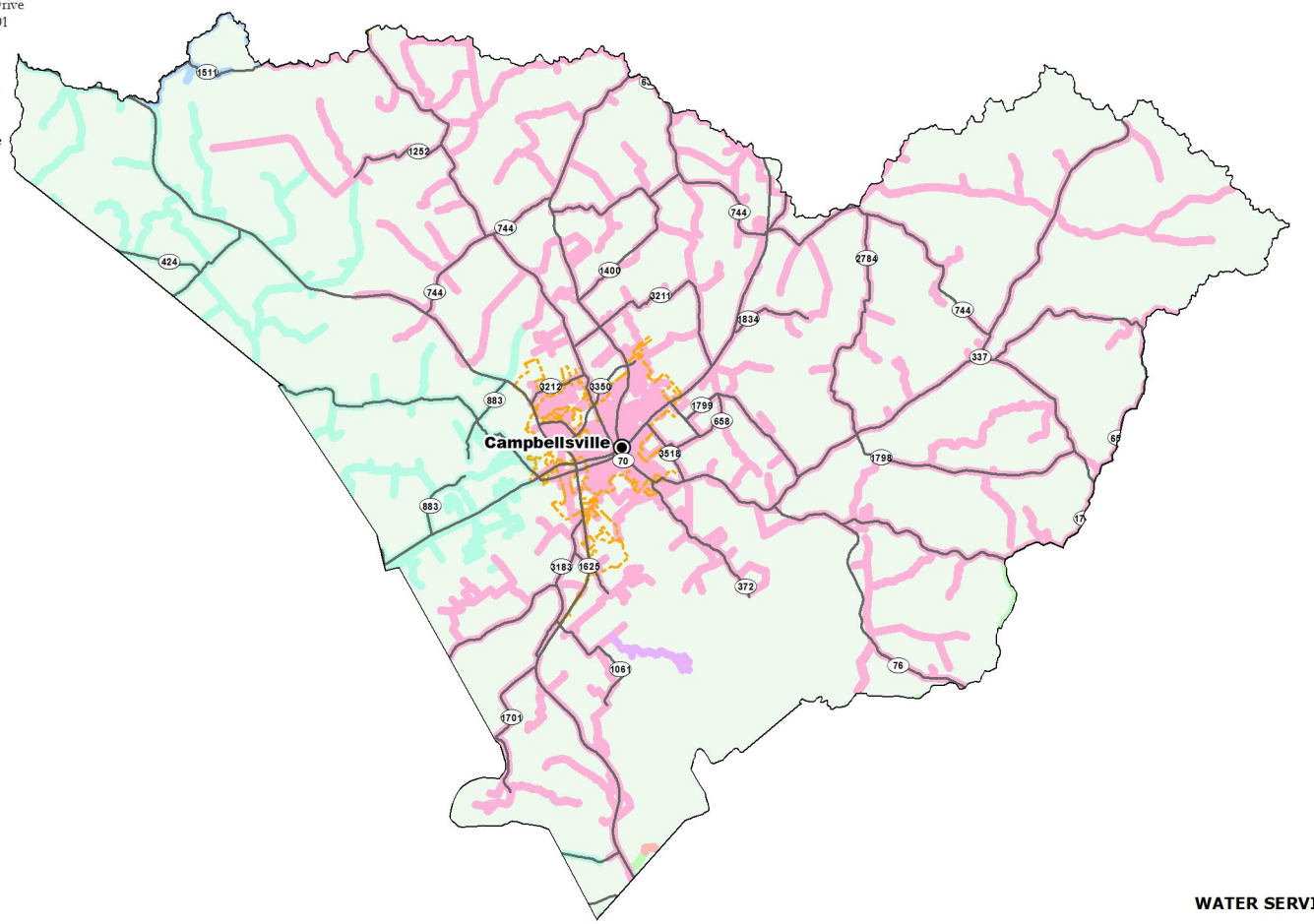
WATER SERVICE AREAS
TAYLOR COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CAMPBELLSVILLE MUNICIPAL WATER & SEWER SYSTEM
- COLUMBIA/ADAIR COUNTY WATER COMMISSION
- COLUMBIA/ADAIR UTILITIES DISTRICT
- EAST CASEY COUNTY WATER DISTRICT
- GREEN RIVER LAKE STATE PARK
- GREEN-TAYLOR WATER DISTRICT
- LARUE COUNTY WATER DISTRICT #1
- MARION COUNTY WATER DISTRICT

System Summary for Campbellsville Municipal Water & Sewer System

PWSID	KY1090060	Treats Water	Yes, 1 plant with total capacity of 5.400 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	41	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	$19.03 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$37.48 per 4,000 gallons.	Total Connections	9,768
Residential Customers	5,430	Total Produced (MG)	2,169.384
Commercial Customers	4,315	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,234.137
Industrial Customers	18	Total Wholesale Sold (MG)	205.566
Wholesale Customers	5	Estimated Pct. Water Loss	34%
Total Distribution System Line Length = 400.46 miles (Distribution: 389.54 miles, Transmission: 10.91 miles).			

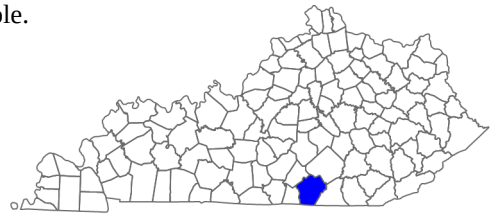
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Campbellsville Municipal Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21217026	City of Campbellsville-24 Inch Raw Water Line (Intake to KY High	3-5 Years	Not Funded	$4,570,000	Taylor	2	1
WX21217018	Campbellsville – Taylor County Scattered Sites – Phase 3	3-5 Years	Not Funded	$2,074,615	Taylor	16	2
WX21217005	Campbellsville-Taylor County Industrial Park Extension	3-5 Years	Not Funded	$500,000	Taylor	17	3
WX21217025	2017 Water System Improvements	3-5 Years	Partially Funded	$8,300,000	Taylor		
WX21217028	WTP Improvements- Residuals Handling System Additions	0-2 Years	Partially Funded	$4,362,000	Taylor		

Wayne County

- 2010 census population of 20,813 (10,942 households) with 90% serviceable.
- Projected 2020 population of 22,128 (change of 1,315).
- Wayne County has 465.65 miles of existing water lines.
- 34.00 miles of line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,240,700.
- Estimated funding needs for projects from 6 to 10 years: $3,178,000.



Wayne County has a 2010 census population count of 20,813 (10,942 households) with a projected 2020 population count of 22,128 (9,686 households). Public water is currently available to approximately 90 percent of the county's households based on 2010 census counts. Over the next ten years approximately 151 serviceable households will be added through the construction of 34.00 miles of water line extensions and approximately 357 instances of improved service through the rehabilitation of 11.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bronston Water Association Inc	1	$680,000	-	83	-	3.00	-
City of Monticello	6	$4,027,500	151	267	34.00	8.00	-
Western Pulaski County Water District	1	$711,200	-	7	-	-	-
Totals:	**8**	**$5,418,700**	**151**	**357**	**34.00**	**11.00**	**-**

Community Drinking Water Systems in Wayne County

Note: Serviceability counts are for households within Wayne county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1160291	Monticello Utility Commission	Wayne	17,483	8,627
KY0270003	Albany Municipal Water & Sewer	Clinton	48	23
KY1000043	Bronston Water Association	Pulaski	772	433
KY1000363	Western Pulaski County Water District	Pulaski	501	716
		Totals:	18,804	9,799

Kentucky Infrastructure Authority
January 04, 2019

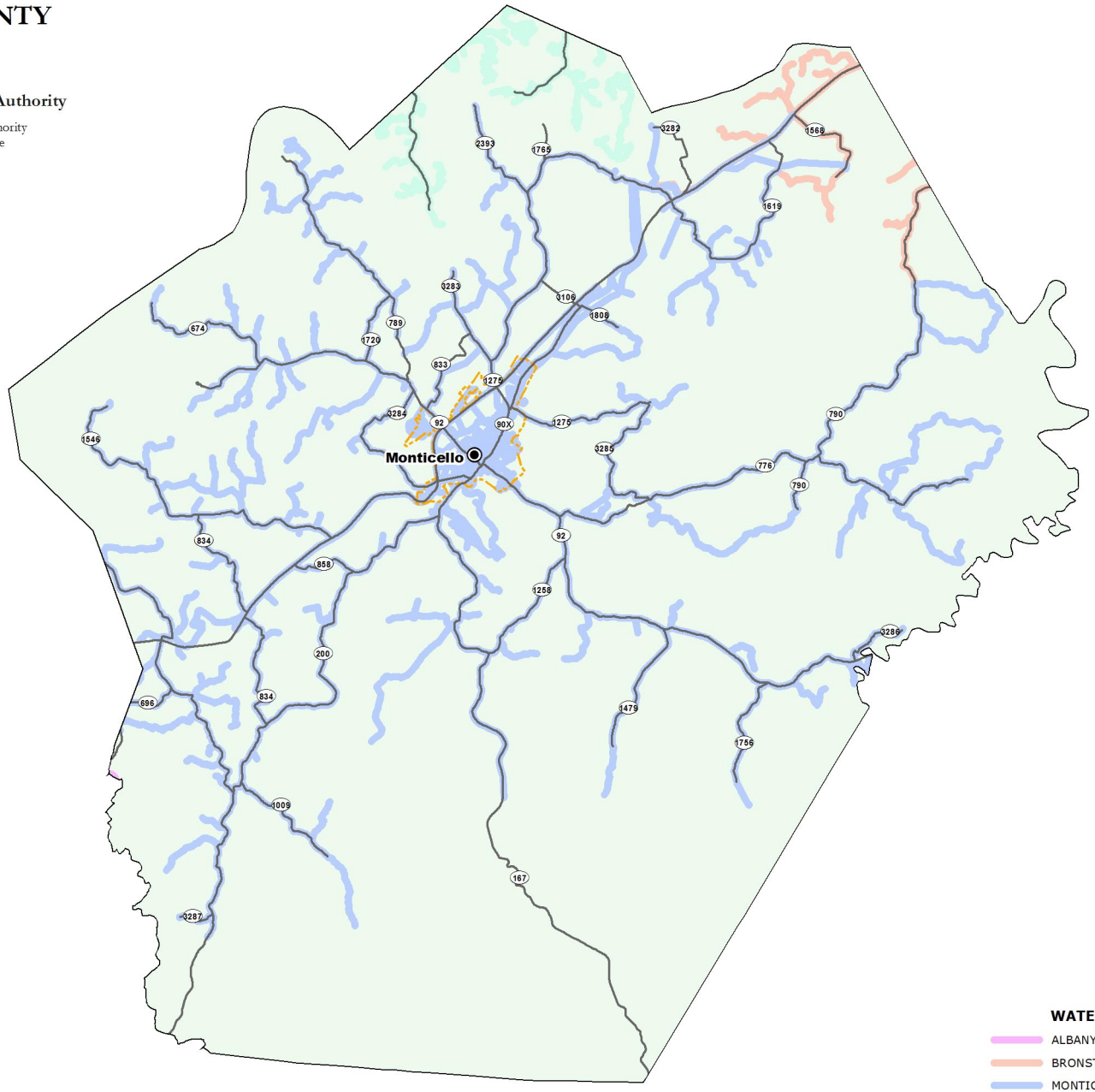
WATER SERVICE AREAS
WAYNE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- ALBANY MUNICIPAL WATER & SEWER
- BRONSTON WATER ASSOCIATION
- MONTICELLO UTILITY COMMISSION
- WESTERN PULASKI COUNTY WATER DISTRICT

System Summary for Monticello Utility Commission

PWSID	KY1160291	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	30	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$23.09 per 4,000 gallons.	Storage Capacity	Yes, 15 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$33.61 per 4,000 gallons.	Total Connections	8,233
Residential Customers	7,670	Total Produced (MG)	820.322
Commercial Customers	562	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	505.985
Industrial Customers	-	Total Wholesale Sold (MG)	82.142
Wholesale Customers	1	Estimated Pct. Water Loss	28%

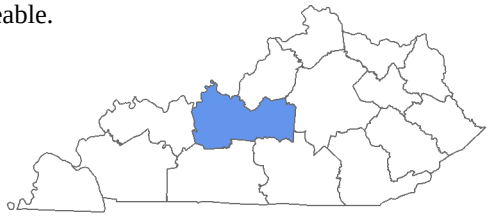
Total Distribution System Line Length = 397.78 miles (Distribution: 388.75 miles, Transmission: 9.04 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Monticello Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21231011	Monticello – Mount Pisgah Area Water Line Extensions	6-10 Years	Not Funded	$1,650,000	Wayne		
WX21231003	Mt. Pisgah-Parmleyville Water Expansion	6-10 Years	Not Funded	$908,000	Wayne		
WX21231012	Monticello – Southern Wayne County Water Line Extensions	6-10 Years	Not Funded	$620,000	Wayne		
WX21231004	Monticello/Cumberland Ridge Rd. Water System Renovation	3-5 Years	Not Funded	$486,000	Wayne		
WX21231005	Monticello/Bell & Eastland Subdivisions/Morrow Landing Water System Renovation	3-5 Years	Not Funded	$262,500	Wayne		
WX21231015	Smokey Trail Waterline Extension	3-5 Years	Not Funded	$101,000	Wayne		

Lincoln Trail Area Development District (LTADD)



- 2010 census population of 269,117 (116,687 households) with 96% serviceable.
- Projected 2020 population of 295,040 (change of 25,923).
- 5,146.29 miles of existing water lines.
- 389.00 miles of line extensions proposed in the next 10 years.
- 56.00 miles of line rehabilitation proposed in the next 10 years.
- 42.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $191,376,536.
- Estimated funding needs for projects from 6 to 10 years: $290,400.
- Average age of structures: water treatment plants is 50 years; water tanks is 29 years.
- Total number of interconnected systems is 27.
- 101 miles of asbestos concrete pipe currently in use.
- 1,054 miles of water lines less than 15 years old.
- 1,045 miles of water lines between 15 and 30 years old.
- 921 miles of water lines between 31 and 50 years old.
- 1,559 miles of water lines between 51 and 70 years old.
- 49 miles of water lines greater than 70 years old.

Lincoln Trail Area Development District has a 2010 census population count of 269,117 (116,687 households) with a projected 2020 population count of 295,040 (117,392 households). Public water is currently available to approximately 96 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,425 serviceable households will be added through the construction of 389.00 miles of water line extensions and approximately 114,469 instances of improved service through the rehabilitation of 56.00 miles of existing water lines and other appurtenances. 42.00 miles of transmission lines are also proposed within this district.

County Summary for Lincoln Trail Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Breckinridge	20,059	10,630	21,489	8,788	8,438	79%	$ 41,226,912
Grayson	25,746	13,561	27,048	11,007	13,416	99%	$ 19,468,288
Hardin	105,543	43,261	116,612	46,055	42,646	99%	$ 70,457,440
Larue	14,193	6,172	14,961	6,069	6,138	99%	$ 14,005,148
Marion	19,820	8,182	21,424	8,332	8,088	99%	$ 13,294,790
Meade	28,602	11,762	30,901	11,964	10,390	88%	$ 14,104,858
Nelson	43,437	18,075	50,119	20,219	17,833	99%	$ 12,989,500
Washington	11,717	5,044	12,486	4,958	4,944	98%	$ 6,120,000
Totals	**269,117**	**116,687**	**295,040**	**117,392**	**111,893**	**96%**	**$ 191,666,936**

Kentucky Infrastructure Authority
January 04, 2019

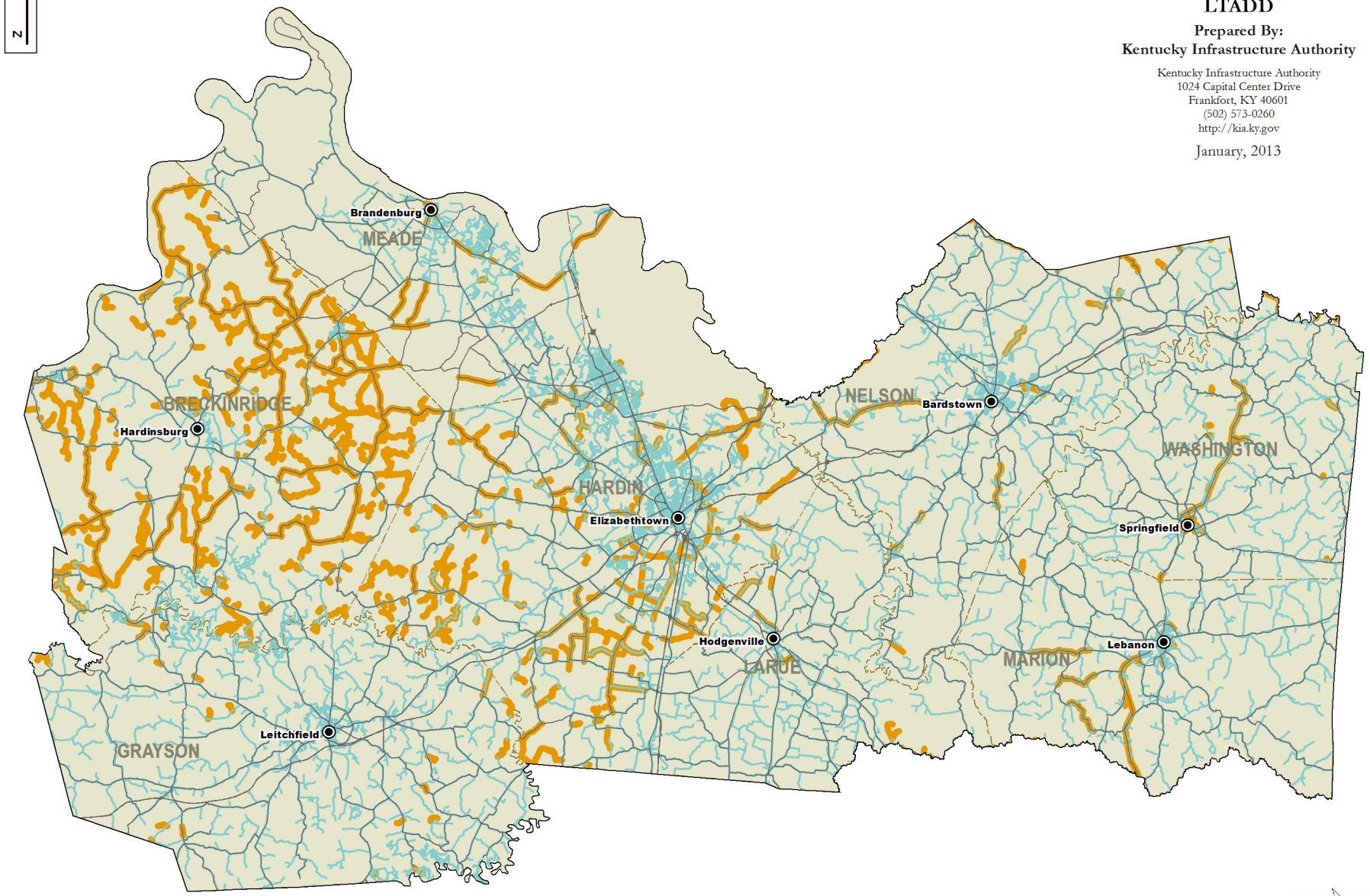
EXISTING & PROPOSED WATER LINES

LTADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Lincoln Trail Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0140079	Cloverport Water & Sewer System	Breckinridge	1,112	552
KY0140966	Hardinsburg Water Department	Breckinridge	12,469	7,008
KY0140206	Irvington Water System	Breckinridge	1,438	663
KY0430063	Caneyville Municipal Water Works	Grayson	1,667	816
KY0430616	Grayson County Water District	Grayson	14,093	6,991
KY0430244	Leitchfield Utilities	Grayson	6,713	2,966
KY0470990	Hardin Co. Water District No. 1 Fort Knox System	Hardin	10,069	2,948
KY0470175	Hardin County Water District #2	Hardin	66,757	28,086
KY0470393	Hardin County Water District No. 1	Hardin	26,885	11,487
KY0470440	Vine Grove Water Department	Hardin	4,305	1,806
KY0470455	West Point Water Department	Hardin	898	473
KY0620200	Hodgenville Water Works	Larue	4,045	1,746
KY0620237	Larue County Water District #1	Larue	9,060	3,864
KY0780241	Lebanon Water Works Co Inc	Marion	6,144	2,841
KY0780268	Marion County Water District	Marion	14,661	5,769
KY0820041	Brandenburg Water Works	Meade	3,330	1,424
KY0820369	Meade County Water District	Meade	15,924	6,184
KY0820481	Muldraugh Water Department	Meade	941	537
KY0900017	Bardstown Municipal Water Department	Nelson	25,493	10,789
KY0900031	Bloomfield Water & Sewer Department	Nelson	4,372	1,871
KY0900312	New Haven Municipal Water Works	Nelson	1,363	584
KY0900323	North Nelson Water District	Nelson	10,926	4,333
KY1150415	Springfield Water & Sewer Commission	Washington	10,414	4,499
		Totals:	253,079	108,237

Project Rankings For Lincoln Trail Area Development District

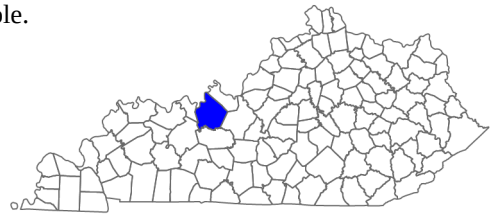
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21163016	Phase VIII Water System Improvements/ Meade Co. Water District	3-5 Years	Not Funded	$2,000,000	Meade	1	2
WX21027053	Harned Pump Station Replacement	3-5 Years	Not Funded	$760,280	Breckinridge	2	1
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin	3	1
WX21085035	Caneyville Water System Rehab	0-2 Years	Not Funded	$1,550,250	Grayson	4	1
WX21229012	Beech Fork Raw Water Intake	3-5 Years	Not Funded	$500,000	Washington	5	1
WX21027046	Cloverport Service Line Replacement & Extension	3-5 Years	Not Funded	$430,810	Breckinridge	6	2
WX21179014	Bloomfield Water System Improvements	3-5 Years	Not Funded	$800,000	Nelson	7	1
WX21163007	Brandenburg Old State Road Replacement	3-5 Years	Not Funded	$300,000	Meade	8	1
WX21123025	LaRue Co. W.D. - Hwy 84 Pump Station & Improvements	0-2 Years	Not Funded	$3,800,000	Larue	9	1
WX21027008	Rehabilitation of Irvington Water System	3-5 Years	Not Funded	$1,004,055	Breckinridge	10	3
WX21163023	Muldraugh Finished Water Connection	3-5 Years	Not Funded	$455,000	Meade	11	3
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	$4,000,000	Hardin	12	2
WX21123027	Hodgenville WTP Tube Settler Replacement	0-2 Years	Not Funded	$202,500	Larue	13	2
WX21027028	City of Hardinsburg - Extension Area A	0-2 Years	Not Funded	$1,379,590	Breckinridge	14	4
WX21155035	Marion County Water District Telemetry Project	0-2 Years	Not Funded	$265,200	Marion	15	4
WX21155022	Marion County Water District 2018 System Improvements	3-5 Years	Fully Funded	$950,000	Marion	16	1
WX21027029	City of Hardinsburg - Extension Area B	3-5 Years	Not Funded	$1,315,980	Breckinridge	17	5
WX21093019	Back Up Generator for Elizabethtown WTP	3-5 Years	Not Funded	$250,000	Hardin	18	5
WX21123020	Hodgenville Smith Plaza Tower Replacement/Upgrade	3-5 Years	Not Funded	$300,000	Larue	19	4
WX21229009	Springfield Danville Interconnect	0-2 Years	Not Funded	$330,000	Washington	20	3
WX21093009	HCWD #2 New Elevated Tank	3-5 Years	Not Funded	$3,000,000	Hardin	21	3
WX21155044	Lebanon Main Replacement Project	0-2 Years	Not Funded	$3,249,140	Marion	22	2
WX21229005	City of Springfield Waterline Replacement/Upgrade	3-5 Years	Not Funded	$1,000,000	Washington	23	2
WX21085032	Caneyville Meter Replacement / Upgrade Project	0-2 Years	Not Funded	$233,000	Grayson	24	2
WX21179024	New Haven Downtown Waterline Replacement	3-5 Years	Not Funded	$250,000	Nelson	25	2
WX21179009	North Nelson KY 48 / Murrays Run & Samuels Upgrade	0-2 Years	Not Funded	$398,100	Nelson	26	4
WX21123021	Hodgenville Shepherdsville Road Line Extension Project	3-5 Years	Not Funded	$250,000	Larue	27	5
WX21093034	HCWD#2 Cecilia Pump Station Emergency Power	3-5 Years	Not Funded	$500,000	Hardin	28	4
WX21229010	Springfield - Willisburg Lake Improvements	3-5 Years	Not Funded	$1,500,000	Washington	29	4
WX21155043	Lebanon Water Works System Improvements	0-2 Years	Fully Funded	$2,641,680	Marion	30	3
WX21179015	Bloomfield Water Line Extensions and Telemetry	3-5 Years	Not Funded	$675,000	Nelson	31	3
WX21085007	City of Leitchfield-Water Tower	3-5 Years	Not Funded	$1,325,000	Grayson	32	4
WX21093035	West Point- South Dixie Water Tower	3-5 Years	Not Funded	$925,000	Hardin	33	
WX21155037	Marion County Water District Highway 49N Phase II	3-5 Years	Not Funded	$350,000	Marion	34	5
WX21179010	North Nelson Hwy 245 Replacement	3-5 Years	Not Funded	$450,500	Nelson	35	5

Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21085024	City of Caneyville- Tank Mixing Upgrade	3-5 Years	Not Funded	$250,000	Grayson	36	5
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	$348,468	Grayson	37	4
WX21229006	Springfield New Raw Water Pump	3-5 Years	Not Funded	$750,000	Washington	37	5
WX21155023	Lebanon Water Works Co. Calvary Rd Waterline Replacement	3-5 Years	Not Funded	$1,200,000	Marion	38	
WX21027020	City of Hardinsburg Henning Booster Station Parallel Line	0-2 Years	Not Funded	$309,420	Breckinridge	39	
WX21179027	City of New Haven - New SCADA (Telemtry System)	3-5 Years	Not Funded	$90,500	Nelson	40	
WX21179030	Bardstown WTP Improvements	0-2 Years	Over Funded	$1,129,000	Nelson	41	
WX21155036	Marion County Water District Lebanon Bypass Elevated Tank	3-5 Years	Not Funded	$2,055,000	Marion	42	
WX21155034	Marion Co. Water District Tank Improvements Phase II	6-10 Years	Not Funded	$290,400	Marion	43	
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	$1,000,000	Washington	44	
WX21229008	Springfield Water Supply Study	0-2 Years	Not Funded	$100,000	Washington	45	
WX21027009	Rehabilitation of Water Storage Tank In Cloverport	3-5 Years	Not Funded	$262,990	Breckinridge	46	
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	$348,468	Grayson	47	
WX21093027	Hardin County Water District #1, Vulnerability and Protection Measures	0-2 Years	Not Funded	$120,000	Hardin	48	
WX21155042	Marion County Loretto Water Improvements	0-2 Years	Not Funded	$2,618,500	Marion	49	
WX21027019	City of Hardinsburg: JM Mercer Campsite Rd Water Line Extension	0-2 Years	Not Funded	$151,800	Breckinridge	50	
WX21093047	Battle Training Pump Station	3-5 Years	Not Funded	$1,900,000	Hardin	51	
WX21093048	Hardin County Extensions & Pirtle Spring Filter Project	3-5 Years	Not Funded	$3,223,550	Hardin	52	
WX21027051	Hardinsburg WTP Well No. 4	3-5 Years	Not Funded	$529,800	Breckinridge	53	
WX21027030	City of Hardinsburg - Extension Area C	3-5 Years	Not Funded	$1,299,020	Breckinridge	54	
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge	55	
WX21179026	City of New Haven - East Center St. Waterline & Hydrant Replacement	3-5 Years	Not Funded	$247,000	Nelson	56	
WX21179032	Decatur and Goodloe Main Replacements	3-5 Years	Not Funded	$88,900	Nelson	57	
WX21179033	New Haven Water Tank Replacement	3-5 Years	Not Funded	$570,000	Nelson	58	
WX21093018	HCWD No. 2, 2020 Project Phase VI	3-5 Years	Not Funded	$4,800,000	Hardin	59	
WX21085023	Grayson Co. Water District - Tank Mixing Upgrades	3-5 Years	Not Funded	$250,000	Grayson	60	3
WX21155032	Marion Co. Water District McElroy Phase 3	3-5 Years	Not Funded	$269,900	Marion	61	
WX21179025	City of New Haven - Main St. & Ridgeview Dr. Replacement	3-5 Years	Not Funded	$226,000	Nelson	62	
WX21179028	City of New Haven Hydrant & Gate Valve Replacement	0-2 Years	Not Funded	$156,000	Nelson	63	
WX21179016	City of Bloomfield Water Storage Tank	3-5 Years	Not Funded	$1,250,000	Nelson	64	
WX21085036	GCWD East / West Interconnection Improvements 1	3-5 Years	Not Funded	$735,800	Grayson	65	
			Total Cost:	**$66,590,841**			

Breckinridge County

- 2010 census population of 20,059 (10,630 households) with 79% serviceable.
- Projected 2020 population of 21,489 (change of 1,430).
- Breckinridge County has 481.80 miles of existing water lines.
- 252.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $41,226,912.
- There are no projects planned from 6 to 10 years.



Breckinridge County has a 2010 census population count of 20,059 (10,630 households) with a projected 2020 population count of 21,489 (8,788 households). Public water is currently available to approximately 79 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,910 serviceable households will be added through the construction of 252.00 miles of water line extensions and approximately 2,224 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Cloverport	2	$693,800	13	550	1.00	-	-
City of Hardinsburg	21	$39,168,257	1,836	1,674	248.00	-	-
City of Irvington	2	$1,364,855	61	-	3.00	-	-
Totals:	**25**	**$41,226,912**	**1,910**	**2,224**	**252.00**	**-**	**-**

Community Drinking Water Systems in Breckinridge County

Note: Serviceability counts are for households within Breckinridge county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0140079	Cloverport Water & Sewer System	Breckinridge	1,111	552
KY0140966	Hardinsburg Water Department	Breckinridge	12,462	7,007
KY0140206	Irvington Water System	Breckinridge	1,437	662
KY0300109	East Daviess County Water Association	Daviess	36	13
KY0470393	Hardin County Water District No. 1	Hardin	164	69
KY0920332	Ohio County Water District	Ohio	185	129
		Totals:	15,395	8,432

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
BRECKINRIDGE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System

N

WATER SERVICE BY OWNER

- CLOVERPORT WATER & SEWER SYSTEM
- EAST DAVIESS COUNTY WATER ASSOCIATION
- HARDIN COUNTY WATER DISTRICT #1
- HARDINSBURG WATER DEPARTMENT
- HAWESVILLE WATER WORKS
- IRVINGTON WATER SYSTEM
- MEADE COUNTY WATER DISTRICT
- OHIO COUNTY WATER DISTRICT

System Summary for Cloverport Water & Sewer System

PWSID	KY0140079	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$22.25 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$27.81 per 4,000 gallons.	Total Connections	598
Residential Customers	566	Total Produced (MG)	-
Commercial Customers	32	Total Purchased (MG)	56.080
Institutional Customers	-	Total Inside Usage (MG)	30.470
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	46%

Total Distribution System Line Length = 14.12 miles (Distribution: 14.09 miles, Transmission: 0.03 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cloverport Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21027046	Cloverport Service Line Replacement & Extension	3-5 Years	Not Funded	$430,810	Breckinridge	6	2
WX21027009	Rehabilitation of Water Storage Tank In Cloverport	3-5 Years	Not Funded	$262,990	Breckinridge	46	
WX21027051	Hardinsburg WTP Well No. 4	3-5 Years	Not Funded	$529,800	Breckinridge	53	
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge	55	

System Summary for Hardinsburg Water Department

PWSID	KY0140966	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	29	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$33.31 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$47.25 per 4,000 gallons.	Total Connections	5,281
Residential Customers	5,491	Total Produced (MG)	502.265
Commercial Customers	398	Total Purchased (MG)	-
Institutional Customers	7	Total Inside Usage (MG)	287.140
Industrial Customers	7	Total Wholesale Sold (MG)	119.973
Wholesale Customers	2	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 421.72 miles (Distribution: 420.72 miles, Transmission: 1.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hardinsburg Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21027053	Harned Pump Station Replacement	3-5 Years	Not Funded	$760,280	Breckinridge	2	1
WX21027028	City of Hardinsburg - Extension Area A	0-2 Years	Not Funded	$1,379,590	Breckinridge	14	4
WX21027029	City of Hardinsburg - Extension Area B	3-5 Years	Not Funded	$1,315,980	Breckinridge	17	5
WX21027020	City of Hardinsburg Henning Booster Station Parallel Line	0-2 Years	Not Funded	$309,420	Breckinridge	39	
WX21027019	City of Hardinsburg: JM Mercer Campsite Rd Water Line Extension	0-2 Years	Not Funded	$151,800	Breckinridge	50	
WX21027051	Hardinsburg WTP Well No. 4	3-5 Years	Not Funded	$529,800	Breckinridge	53	
WX21027030	City of Hardinsburg - Extension Area C	3-5 Years	Not Funded	$1,299,020	Breckinridge	54	
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge	55	
WX21027048	Hardinsburg: Webster / Lodiburg (Area 6 & 8) Phase II	3-5 Years	Not Funded	$4,731,374	Breckinridge		
WX21027033	City of Hardinsburg - Area 8 Waterline Extension	3-5 Years	Partially Funded	$4,000,000	Breckinridge		
WX21027045	Hardinsburg Water Treatment Plant Expansion Phase II	3-5 Years	Not Funded	$3,129,580	Breckinridge		
WX21027038	City of Hardinsburg - Area 14 Waterline Extension	3-5 Years	Not Funded	$2,770,260	Breckinridge		
WX21027040	City of Hardinsburg - Area 16 Waterline Extension	3-5 Years	Not Funded	$2,550,240	Breckinridge		
WX21027032	City of Hardinsburg - Area 7 Waterline Extension	3-5 Years	Not Funded	$2,510,565	Breckinridge		
WX21027036	City of Hardinsburg - Area 11 Waterline Extension	3-5 Years	Partially Funded	$2,442,480	Breckinridge		
WX21027039	City of Hardinsburg - Area 15 Waterline Extension	3-5 Years	Not Funded	$2,165,880	Breckinridge		
WX21027034	City of Hardinsburg - Area 9 Waterline Extension	3-5 Years	Not Funded	$2,134,140	Breckinridge		
WX21027031	City of Hardinsburg - Area 6 Waterline Extension	3-5 Years	Partially Funded	$2,072,715	Breckinridge		

System Summary for Irvington Water System

PWSID	KY0140206	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$38.96 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$42.62 per 4,000 gallons.	Total Connections	605
Residential Customers	561	Total Produced (MG)	-
Commercial Customers	48	Total Purchased (MG)	63.893
Institutional Customers	-	Total Inside Usage (MG)	46.920
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	27%

Total Distribution System Line Length = 17.63 miles (Distribution: 17.47 miles, Transmission: 0.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Irvington Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21027053	Harned Pump Station Replacement	3-5 Years	Not Funded	$760,280	Breckinridge	2	1
WX21027008	Rehabilitation of Irvington Water System	3-5 Years	Not Funded	$1,004,055	Breckinridge	10	3
WX21027051	Hardinsburg WTP Well No. 4	3-5 Years	Not Funded	$529,800	Breckinridge	53	
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge	55	
WX21027047	Irvington Heights Water Extensions	3-5 Years	Not Funded	$360,800	Breckinridge		

Grayson County

- 2010 census population of 25,746 (13,561 households) with 99% serviceable.
- Projected 2020 population of 27,048 (change of 1,302).
- Grayson County has 845.59 miles of existing water lines.
- 15.00 miles of line extensions proposed in the next 10 years.
- 7.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $19,468,288.
- There are no projects planned from 6 to 10 years.

Grayson County has a 2010 census population count of 25,746 (13,561 households) with a projected 2020 population count of 27,048 (11,007 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 17 serviceable households will be added through the construction of 15.00 miles of water line extensions and approximately 3,352 instances of improved service through the rehabilitation of 7.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Caneyville	3	$2,033,250	-	187	-	7.00	-
City of Leitchfield	3	$9,631,500	-	3,150	-	-	-
Edmonson County Water District	3	$6,410,053	5	-	3.00	-	-
Grayson County Water District	4	$1,393,485	12	15	12.00	-	-
Totals:	**13**	**$19,468,288**	**17**	**3,352**	**15.00**	**7.00**	**-**

Community Drinking Water Systems in Grayson County

Note: Serviceability counts are for households within Grayson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0430063	Caneyville Municipal Water Works	Grayson	1,667	816
KY0430616	Grayson County Water District	Grayson	14,088	6,988
KY0430244	Leitchfield Utilities	Grayson	6,713	2,966
KY0160052	Butler County Water System	Butler	30	14
KY0310114	Edmonson County Water District	Edmonson	2,905	2,605
KY0920332	Ohio County Water District	Ohio	64	24
		Totals:	25,467	13,413

Kentucky Infrastructure Authority
January 04, 2019

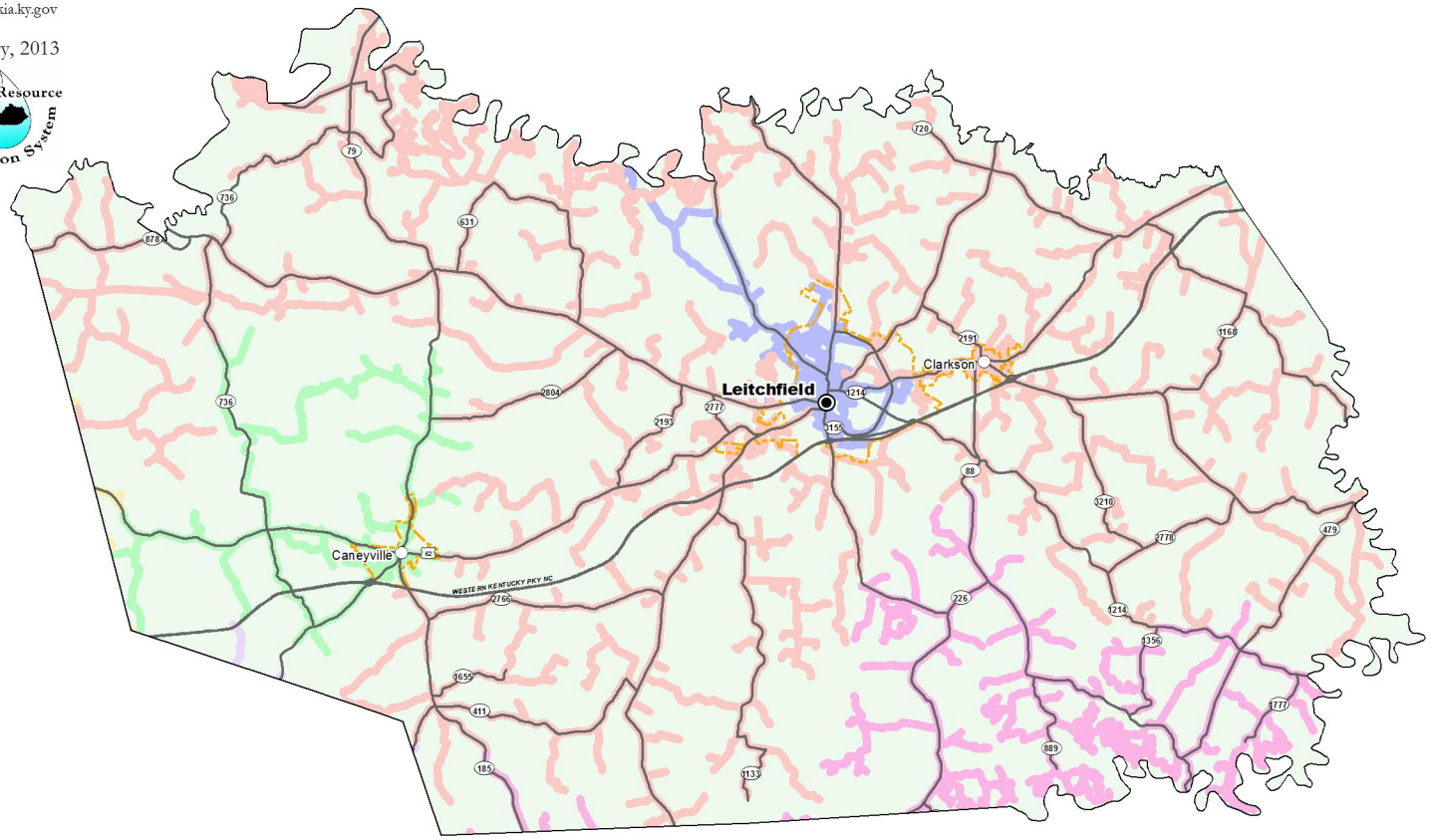
WATER SERVICE AREAS
GRAYSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- BUTLER COUNTY WATER SYSTEM
- CANEYVILLE MUNICIPAL WATER WORKS
- EDMONSON COUNTY WATER DISTRICT
- GRAYSON COUNTY WATER DISTRICT
- HARDIN COUNTY WATER DISTRICT #2
- HARDINSBURG WATER DEPARTMENT
- LEITCHFIELD UTILITIES
- OHIO COUNTY WATER DISTRICT

System Summary for Caneyville Municipal Water Works

PWSID	KY0430063	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$39.65 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$48.90 per 4,000 gallons.	Total Connections	737
Residential Customers	680	Total Produced (MG)	-
Commercial Customers	58	Total Purchased (MG)	46.002
Institutional Customers	4	Total Inside Usage (MG)	37.255
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 58.82 miles (Distribution: 58.62 miles, Transmission: 0.20 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Caneyville Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21085035	Caneyville Water System Rehab	0-2 Years	Not Funded	$1,550,250	Grayson	4	1
WX21085024	City of Caneyville- Tank Mixing Upgrade	3-5 Years	Not Funded	$250,000	Grayson	36	5

System Summary for Grayson County Water District

PWSID	KY0430616	Treats Water	Yes, 1 plant with total capacity of 1.584 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$41.28 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	6,373
Residential Customers	6,308	Total Produced (MG)	214.897
Commercial Customers	320	Total Purchased (MG)	174.855
Institutional Customers	-	Total Inside Usage (MG)	320.065
Industrial Customers	-	Total Wholesale Sold (MG)	46.002
Wholesale Customers	1	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 546.99 miles (Distribution: 546.65 miles, Transmission: 0.33 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Grayson County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21085023	Grayson Co. Water District - Tank Mixing Upgrades	3-5 Years	Not Funded	$250,000	Grayson	60	3
WX21085033	Leitchfield WTP Upgrade and Expansion	0-2 Years	Not Funded	$8,000,000	Grayson		
WX21085029	Grayson Co. Water District Project 18	3-5 Years	Not Funded	$444,500	Grayson		
WX21085034	Grayson Co. Water District Office	0-2 Years	Not Funded	$215,000	Grayson		

System Summary for Leitchfield Utilities

PWSID	KY0430244	Treats Water	Yes, 1 plant with total capacity of 2.772 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	11	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.18 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.30 per 4,000 gallons.	Total Connections	2,822
Residential Customers	2,423	Total Produced (MG)	717.250
Commercial Customers	405	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	414.079
Industrial Customers	21	Total Wholesale Sold (MG)	174.855
Wholesale Customers	1	Estimated Pct. Water Loss	18%
Total Distribution System Line Length = 103.80 miles (Distribution: 93.04 miles, Transmission: 10.75 miles).			

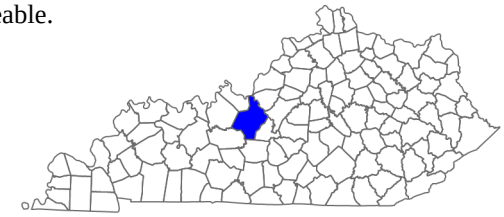
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Leitchfield Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21085007	City of Leitchfield-Water Tower	3-5 Years	Not Funded	$1,325,000	Grayson	32	4
WX21085033	Leitchfield WTP Upgrade and Expansion	0-2 Years	Not Funded	$8,000,000	Grayson		
WX21085030	Leitchfield Water AMR Upgrade Project	0-2 Years	Not Funded	$306,500	Grayson		

Hardin County

- 2010 census population of 105,543 (43,261 households) with 99% serviceable.
- Projected 2020 population of 116,612 (change of 11,069).
- Hardin County has 1,376.71 miles of existing water lines.
- 78.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 28.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $70,457,440.
- There are no projects planned from 6 to 10 years.



Hardin County has a 2010 census population count of 105,543 (43,261 households) with a projected 2020 population count of 116,612 (46,055 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 126 serviceable households will be added through the construction of 78.00 miles of water line extensions and approximately 80,133 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances. 28.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Hardinsburg	1	$1,770,030	1	-	-	-	-
City of West Point	1	$925,000	-	-	-	-	-
Hardin County Water District #1	10	$23,290,410	-	65,083	-	2.00	13.00
Hardin County Water District #2	6	$24,980,000	125	15,050	78.00	-	11.00
Louisville Water Company	1	$19,492,000	-	-	-	-	4.00
Totals:	**19**	**$70,457,440**	**126**	**80,133**	**78.00**	**2.00**	**28.00**

Community Drinking Water Systems in Hardin County

Note: Serviceability counts are for households within Hardin county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0470990	Hardin Co. Water District No. 1 Fort Knox System	Hardin	7,373	1,715
KY0470175	Hardin County Water District #2	Hardin	64,966	27,277
KY0470393	Hardin County Water District No. 1	Hardin	26,142	11,190
KY0470440	Vine Grove Water Department	Hardin	4,305	1,806
KY0470455	West Point Water Department	Hardin	898	473
KY0620237	Larue County Water District #1	Larue	31	15
KY0820369	Meade County Water District	Meade	34	11
KY0900017	Bardstown Municipal Water Department	Nelson	350	157
		Totals:	104,099	42,644

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
HARDIN COUNTY
Kentucky

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Kentucky Infrastructure Authority
1024 Capital Center Drive
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(502) 573-0260
http://kia.ky.gov

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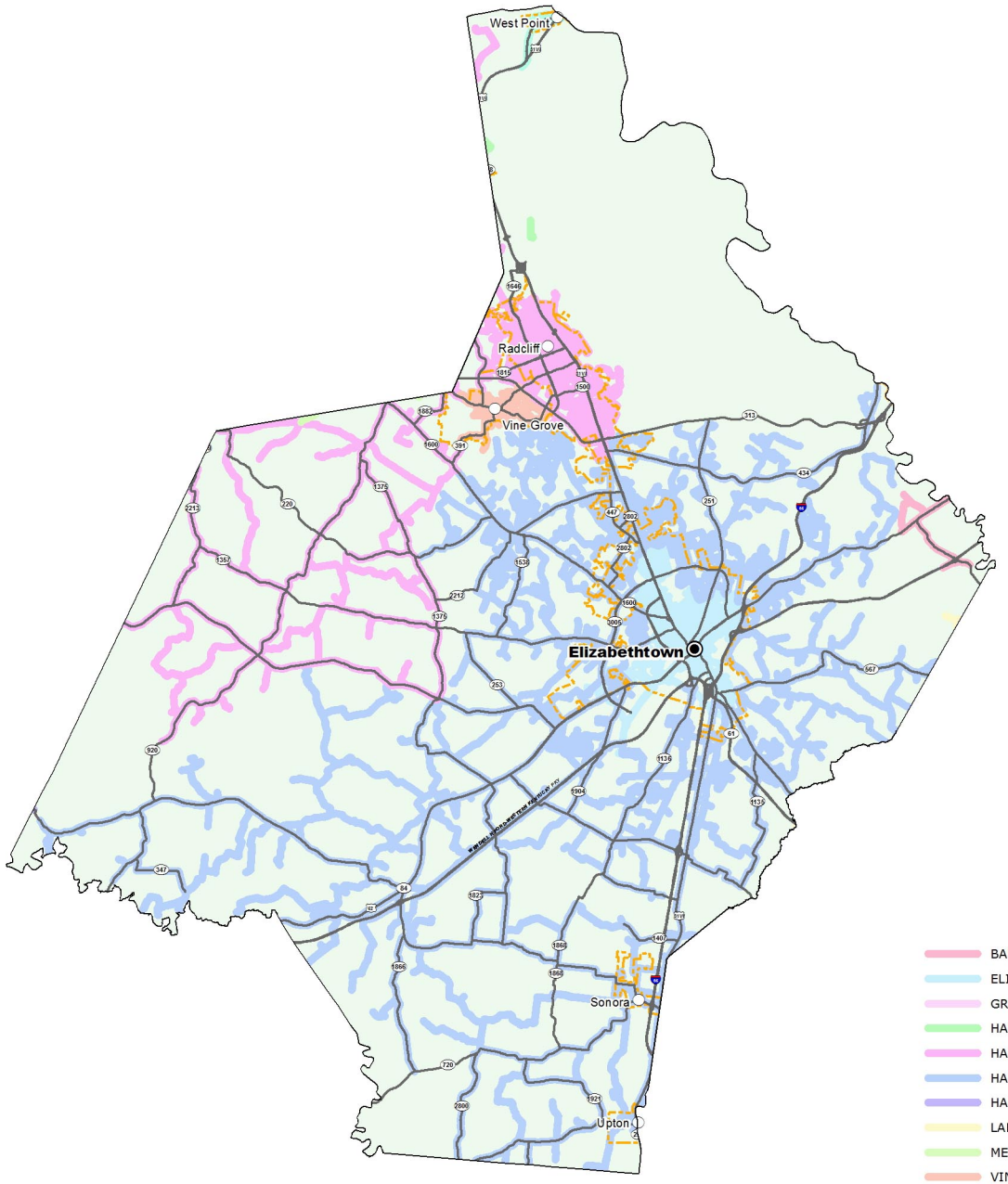
Water Resource Information System



WATER SERVICE BY OWNER

- BARDSTOWN MUNICIPAL WATER DEPARTMENT
- ELIZABETHTOWN WATER DEPARTMENT
- GRAYSON COUNTY WATER DISTRICT
- HARDIN CO. WATER DISTRICT #1 FORT KNOX SYSTEM
- HARDIN COUNTY WATER DISTRICT #1
- HARDIN COUNTY WATER DISTRICT #2
- HARDINSBURG WATER DEPARTMENT
- LARUE COUNTY WATER DISTRICT #1
- MEADE COUNTY WATER DISTRICT
- VINE GROVE WATER DEPARTMENT
- WEST POINT WATER DEPARTMENT

System Summary for Hardin Co. Water District No. 1 Fort Knox System

PWSID	KY0470990	Treats Water	Yes, 2 plants with total capacity of 10.500 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 3 sources.
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 8 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	2
Residential Customers	-	Total Produced (MG)	678.109
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	630.671
Industrial Customers	-	Total Wholesale Sold (MG)	32.196
Wholesale Customers	2	Estimated Pct. Water Loss	2%

Total Distribution System Line Length = 166.28 miles (Distribution: 144.71 miles, Transmission: 21.57 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hardin Co. Water District No. 1 Fort Knox System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21093042	Hardin Co. W.D. #1- Louisville Water Co. Transmission Line	0-2 Years	Partially Funded	$6,437,000	Hardin		

System Summary for Hardin County Water District #2

PWSID	KY0470175	Treats Water	Yes, 2 plants with total capacity of 11.400 MGD.
System Type	Community	Surface Source	Yes, 3 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 6 sources.
Employees	70	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$28.80 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 20 tanks with total capacity of 9.000 MG.
Outside Mun. Cost	-	Total Connections	16,704
Residential Customers	24,883	Total Produced (MG)	2,805.241
Commercial Customers	2,534	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,303.185
Industrial Customers	31	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 991.98 miles (Distribution: 990.21 miles, Transmission: 1.76 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hardin County Water District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin	3	1
WX21093009	HCWD #2 New Elevated Tank	3-5 Years	Not Funded	$3,000,000	Hardin	21	3
WX21093034	HCWD#2 Cecilia Pump Station Emergency Power	3-5 Years	Not Funded	$500,000	Hardin	28	4
WX21093018	HCWD No. 2, 2020 Project Phase VI	3-5 Years	Not Funded	$4,800,000	Hardin	59	
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	$926,000	Bullitt	152	35
WX21093033	HCWD #2 Interconnection With Louisville Water	0-2 Years	Partially Funded	$15,000,000	Hardin		
WX21093025	Ft. Knox/Radcliff/Elizabethtown Interconnect Phase I	0-2 Years	Partially Funded	$1,000,000	Hardin		
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	$304,750	Hart		

System Summary for Hardin County Water District No. 1

PWSID	KY0470393	Treats Water	Yes, 1 plant with total capacity of 3.100 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	56	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$23.02 per 4,000 gallons.	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	-	Total Connections	9,980
Residential Customers	9,416	Total Produced (MG)	1,631.315
Commercial Customers	672	Total Purchased (MG)	7.037
Institutional Customers	-	Total Inside Usage (MG)	1,247.506
Industrial Customers	-	Total Wholesale Sold (MG)	326.418
Wholesale Customers	5	Estimated Pct. Water Loss	4%
Total Distribution System Line Length = 263.59 miles (Distribution: 260.52 miles, Transmission: 3.07 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hardin County Water District No. 1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin	3	1
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	$4,000,000	Hardin	12	2
WX21093027	Hardin County Water District #1, Vulnerability and Protection Measures	0-2 Years	Not Funded	$120,000	Hardin	48	
WX21093042	Hardin Co. W.D. #1- Louisville Water Co. Transmission Line	0-2 Years	Partially Funded	$6,437,000	Hardin		
WX21093040	HCWD #1 New Intake and Treatment Upgrade	3-5 Years	Not Funded	$6,115,410	Hardin		
WX21093044	Hardin Co. Water District No. 1 Hwy 313 & 1882 Transmission Main	0-2 Years	Not Funded	$1,570,000	Hardin		
WX21093026	HCWD#1 Automated Meter Reading Conversion	0-2 Years	Not Funded	$1,500,000	Hardin		
WX21093038	HCWD #1 - Hwy 144 Transmission Main Upgrade	0-2 Years	Partially Funded	$1,225,000	Hardin		
WX21093037	HCWD #1 - Hwy 1882 Transmission Main Upgrade	0-2 Years	Partially Funded	$723,000	Hardin		
WX21093043	HCWD#1 Waterline Replacements & Extensions	3-5 Years	Not Funded	$600,000	Hardin		

System Summary for Vine Grove Water Department

PWSID	KY0470440	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$22.32 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$31.04 per 4,000 gallons.	Total Connections	2,535
Residential Customers	2,485	Total Produced (MG)	-
Commercial Customers	50	Total Purchased (MG)	144.929
Institutional Customers	-	Total Inside Usage (MG)	108.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 40.30 miles (Distribution: 40.27 miles, Transmission: 0.02 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Vine Grove Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin	3	1
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	$4,000,000	Hardin	12	2

System Summary for West Point Water Department

PWSID	KY0470455	Treats Water	Yes, 1 plant with total capacity of 0.360 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$26.65 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$26.65 per 4,000 gallons.	Total Connections	488
Residential Customers	356	Total Produced (MG)	23.400
Commercial Customers	40	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	20.522
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 8.60 miles (Distribution: 8.52 miles, Transmission: 0.08 miles).

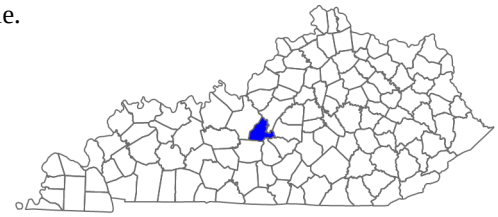
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Point Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21093035	West Point- South Dixie Water Tower	3-5 Years	Not Funded	$925,000	Hardin	33	

Larue County

- 2010 census population of 14,193 (6,172 households) with 99% serviceable.
- Projected 2020 population of 14,961 (change of 768).
- Larue County has 405.07 miles of existing water lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,005,148.
- There are no projects planned from 6 to 10 years.



Larue County has a 2010 census population count of 14,193 (6,172 households) with a projected 2020 population count of 14,961 (6,069 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 80 serviceable households will be added through the construction of 10.00 miles of water line extensions and approximately 7,252 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Hodgenville	7	$3,353,683	1	702	1.00	5.00	-
Green-Taylor Water District	1	$634,000	4	-	3.00	-	-
Hardin County Water District #2	1	$4,800,000	-	-	-	-	-
Larue County Water District #1	5	$5,217,465	75	6,550	6.00	-	-
Totals:	**14**	**$14,005,148**	**80**	**7,252**	**10.00**	**5.00**	**-**

Community Drinking Water Systems in Larue County

Note: Serviceability counts are for households within Larue county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0620200	Hodgenville Water Works	Larue	4,045	1,746
KY0620237	Larue County Water District #1	Larue	7,312	3,147
KY0440167	Green-Taylor Water District	Green	58	28
KY0470175	Hardin County Water District #2	Hardin	1,053	488
KY0500166	Green River Valley Water District	Hart	1,638	726
		Totals:	14,106	6,135

Kentucky Infrastructure Authority
January 04, 2019

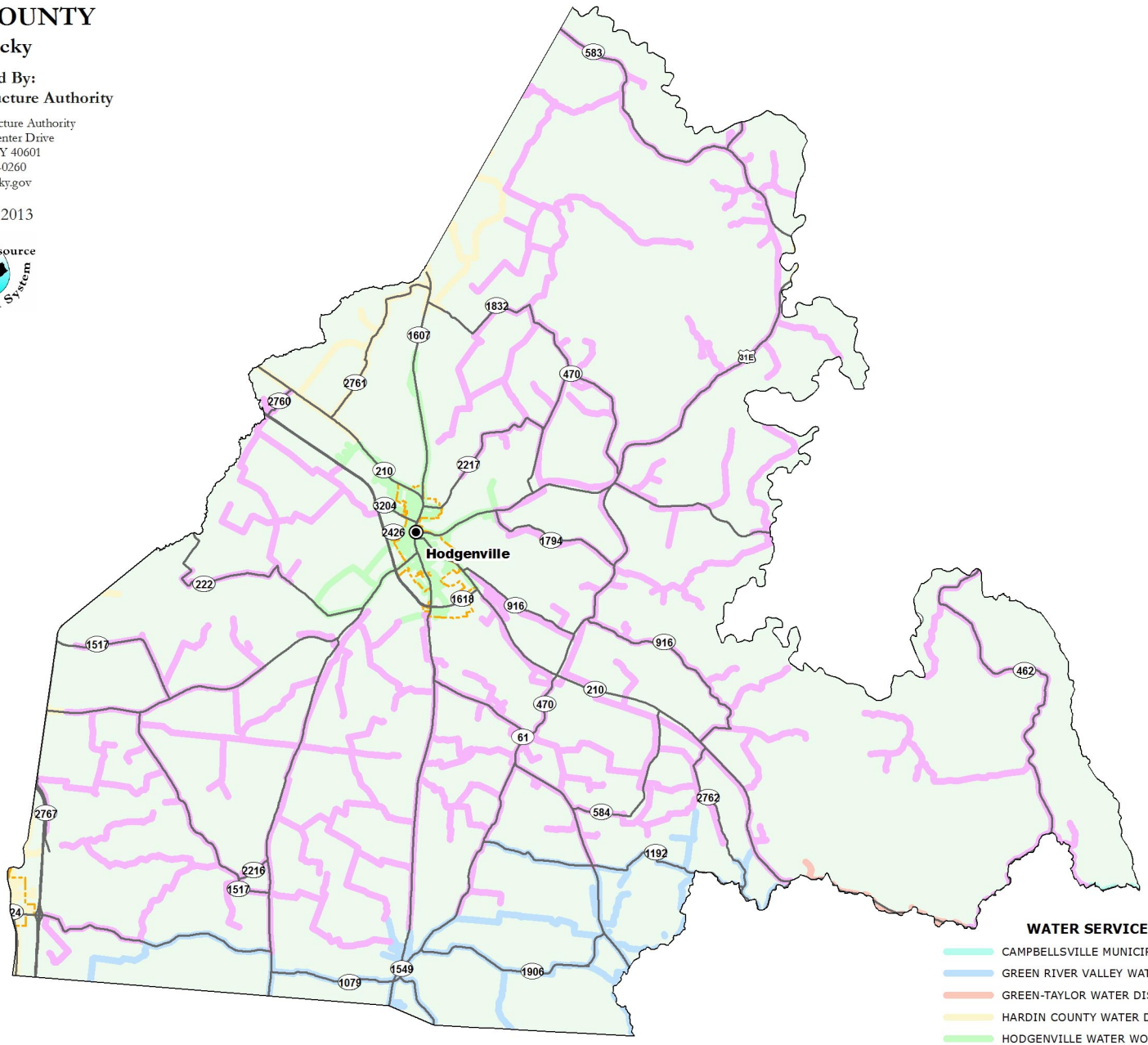
WATER SERVICE AREAS
LARUE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CAMPBELLSVILLE MUNICIPAL WATER & SEWER SYSTEM
- GREEN RIVER VALLEY WATER DISTRICT
- GREEN-TAYLOR WATER DISTRICT
- HARDIN COUNTY WATER DISTRICT #2
- HODGENVILLE WATER WORKS
- LARUE COUNTY WATER DISTRICT #1

System Summary for Hodgenville Water Works

PWSID	KY0620200	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$29.00 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$43.48 per 4,000 gallons.	Total Connections	1,840
Residential Customers	1,427	Total Produced (MG)	230.630
Commercial Customers	192	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	169.626
Industrial Customers	-	Total Wholesale Sold (MG)	38.296
Wholesale Customers	1	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 45.44 miles (Distribution: 43.02 miles, Transmission: 2.42 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hodgenville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21123027	Hodgenville WTP Tube Settler Replacement	0-2 Years	Not Funded	$202,500	Larue	13	2
WX21123020	Hodgenville Smith Plaza Tower Replacement/Upgrade	3-5 Years	Not Funded	$300,000	Larue	19	4
WX21123021	Hodgenville Shepherdsville Road Line Extension Project	3-5 Years	Not Funded	$250,000	Larue	27	5
WX21123017	Hodgenville Phase 1a Water System Improvements	3-5 Years	Partially Funded	$962,000	Larue		
WX21123019	Hodgenville High School Tower Rehabilitation	0-2 Years	Partially Funded	$774,183	Larue		
WX21123008	Lincoln Blvd. South Replacement	0-2 Years	Partially Funded	$593,000	Larue		
WX21123018	Hodgenville 1618 Water Main Project	0-2 Years	Not Funded	$272,000	Larue		

System Summary for Larue County Water District #1

PWSID	KY0620237	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 8 providers.
Non-Municipal Cost	$34.79 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,415
Residential Customers	3,334	Total Produced (MG)	-
Commercial Customers	46	Total Purchased (MG)	183.751
Institutional Customers	-	Total Inside Usage (MG)	151.498
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 356.67 miles (Distribution: 355.35 miles, Transmission: 1.31 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Larue County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21123025	LaRue Co. W.D. - Hwy 84 Pump Station & Improvements	0-2 Years	Not Funded	$3,800,000	Larue	9	1
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart		
WX21123006	LCWD Waterline Upgrade	0-2 Years	Partially Funded	$750,000	Larue		
WX21123007	LCWD Water Storage Tank	0-2 Years	Partially Funded	$500,000	Larue		
WX21123016	Larue County Water District #1: Howardstown Water Tower and Line Extensions	0-2 Years	Partially Funded	$450,000	Larue		
WX21123022	Larue Co. W.D. - White City Tank Renovation	3-5 Years	Not Funded	$450,000	Larue		
WX21123024	Larue Co. Water District #1 GIS Technology	0-2 Years	Not Funded	$85,000	Larue		
WX21123026	LaRue Co. W.D. - Meter Tap Upgrade	0-2 Years	Partially Funded	$82,465	Larue		

Marion County

- 2010 census population of 19,820 (8,182 households) with 99% serviceable.
- Projected 2020 population of 21,424 (change of 1,604).
- Marion County has 506.93 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- 5.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,004,390.
- Estimated funding needs for projects from 6 to 10 years: $290,400.

Marion County has a 2010 census population count of 19,820 (8,182 households) with a projected 2020 population count of 21,424 (8,332 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,694 instances of improved service through the rehabilitation of 15.00 miles of existing water lines and other appurtenances. 5.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Lebanon	1	$1,200,000	-	-	-	-	2.00
Lebanon Water Works Company Inc	2	$5,238,230	-	751	-	10.00	-
Marion County Water District	5	$5,856,560	-	943	-	5.00	-
Springfield Water and Sewer Commission	1	$1,000,000	-	-	-	-	3.00
Totals:	**9**	**$13,294,790**	**-**	**1,694**	**-**	**15.00**	**5.00**

Community Drinking Water Systems in Marion County

Note: Serviceability counts are for households within Marion county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0780241	Lebanon Water Works Co Inc	Marion	6,144	2,841
KY0780268	Marion County Water District	Marion	13,234	5,169
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	176	75
		Totals:	19,554	8,085

Kentucky Infrastructure Authority
January 04, 2019

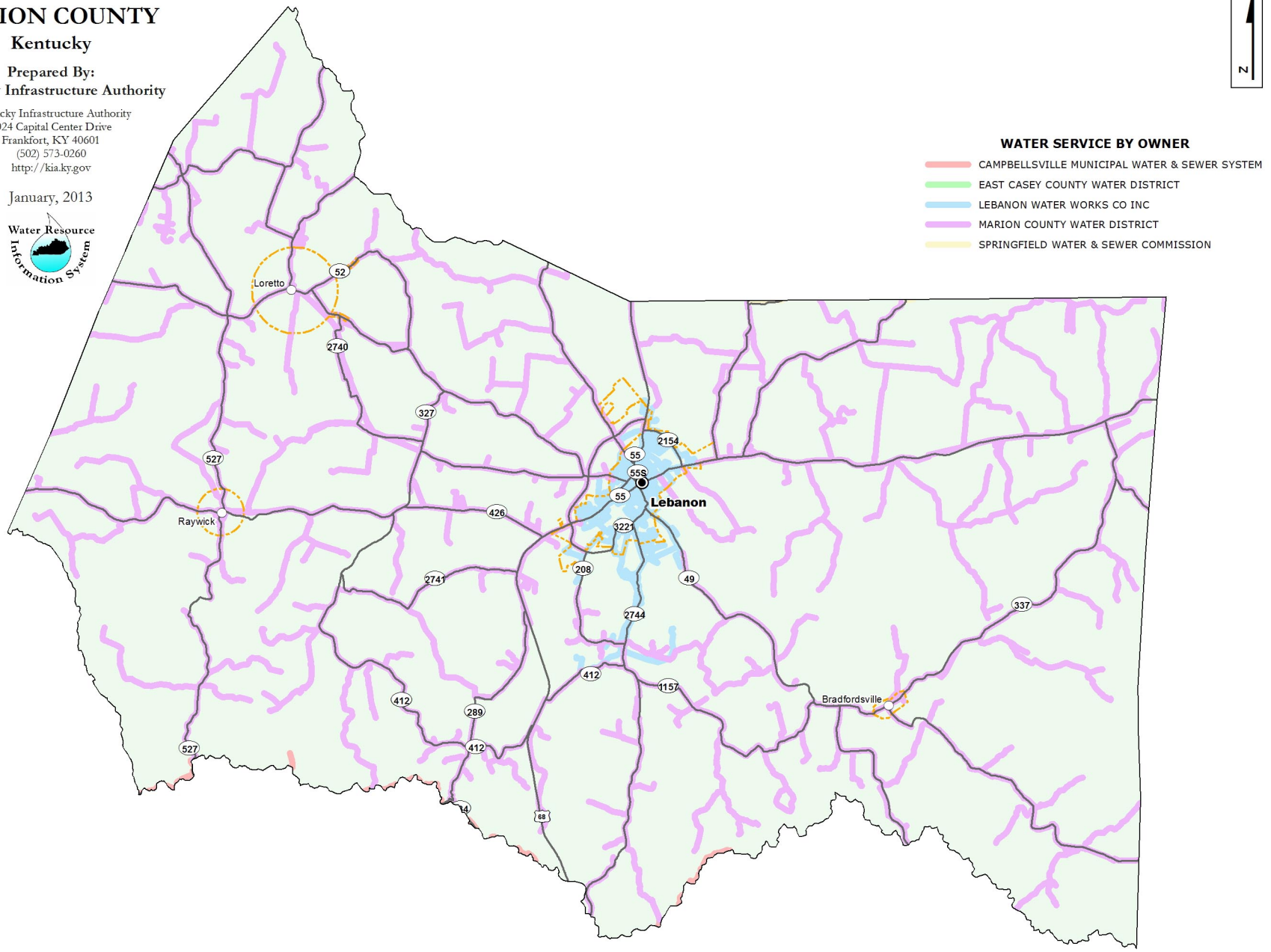
WATER SERVICE AREAS
MARION COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Lebanon Water Works Co Inc

PWSID	KY0780241	Treats Water	Yes, 1 plant with total capacity of 5.200 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	12	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$20.12 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$22.15 per 4,000 gallons.	Total Connections	2,581
Residential Customers	2,538	Total Produced (MG)	882.000
Commercial Customers	47	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	367.847
Industrial Customers	41	Total Wholesale Sold (MG)	439.129
Wholesale Customers	1	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 67.75 miles (Distribution: 57.44 miles, Transmission: 10.31 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lebanon Water Works Co Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21217026	City of Campbellsville-24 Inch Raw Water Line (Intake to KY High	3-5 Years	Not Funded	$4,570,000	Taylor	2	1
WX21155044	Lebanon Main Replacement Project	0-2 Years	Not Funded	$3,249,140	Marion	22	2
WX21155023	Lebanon Water Works Co. Calvary Rd Waterline Replacement	3-5 Years	Not Funded	$1,200,000	Marion	38	
WX21155042	Marion County Loretto Water Improvements	0-2 Years	Not Funded	$2,618,500	Marion	49	
WX21217025	2017 Water System Improvements	3-5 Years	Partially Funded	$8,300,000	Taylor		
WX21155017	Lebanon Water Works City Replacement II	0-2 Years	Not Funded	$1,989,090	Marion		

System Summary for Marion County Water District

PWSID	KY0780268	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$24.42 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,900
Residential Customers	5,716	Total Produced (MG)	-
Commercial Customers	171	Total Purchased (MG)	442.603
Institutional Customers	5	Total Inside Usage (MG)	382.912
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 476.89 miles (Distribution: 459.16 miles, Transmission: 17.73 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Marion County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21155035	Marion County Water District Telemetry Project	0-2 Years	Not Funded	$265,200	Marion	15	4
WX21155037	Marion County Water District Highway 49N Phase II	3-5 Years	Not Funded	$350,000	Marion	34	5
WX21155036	Marion County Water District Lebanon Bypass Elevated Tank	3-5 Years	Not Funded	$2,055,000	Marion	42	
WX21155034	Marion Co. Water District Tank Improvements Phase II	6-10 Years	Not Funded	$290,400	Marion	43	
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	$1,000,000	Washington	44	
WX21155042	Marion County Loretto Water Improvements	0-2 Years	Not Funded	$2,618,500	Marion	49	
WX21155032	Marion Co. Water District McElroy Phase 3	3-5 Years	Not Funded	$269,900	Marion	61	
WX21155033	Marion Co. Water District Tank Improvements Phase I	3-5 Years	Not Funded	$622,760	Marion		

Meade County

- 2010 census population of 28,602 (11,762 households) with 88% serviceable.
- Projected 2020 population of 30,901 (change of 2,299).
- Meade County has 413.26 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 8.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,104,858.
- There are no projects planned from 6 to 10 years.

Meade County has a 2010 census population count of 28,602 (11,762 households) with a projected 2020 population count of 30,901 (11,964 households). Public water is currently available to approximately 88 percent of the county's households based on 2010 census counts. Over the next ten years approximately 243 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 9,951 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances. 8.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Brandenburg	4	$4,279,900	-	1,430	-	4.00	-
City of Muldraugh	1	$455,000	-	21	-	1.00	-
Hardin County Water District #1	3	$3,518,000	-	-	-	-	1.00
Meade County Water District	3	$5,851,958	243	8,500	16.00	-	7.00
Totals:	**11**	**$14,104,858**	**243**	**9,951**	**16.00**	**5.00**	**8.00**

Community Drinking Water Systems in Meade County

Note: Serviceability counts are for households within Meade county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0820041	Brandenburg Water Works	Meade	3,330	1,424
KY0820369	Meade County Water District	Meade	15,887	6,173
KY0820481	Muldraugh Water Department	Meade	941	537
KY0470990	Hardin Co. Water District No. 1 Fort Knox System	Hardin	2,689	1,230
KY0470393	Hardin County Water District No. 1	Hardin	579	228
		Totals:	23,426	9,592

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
MEADE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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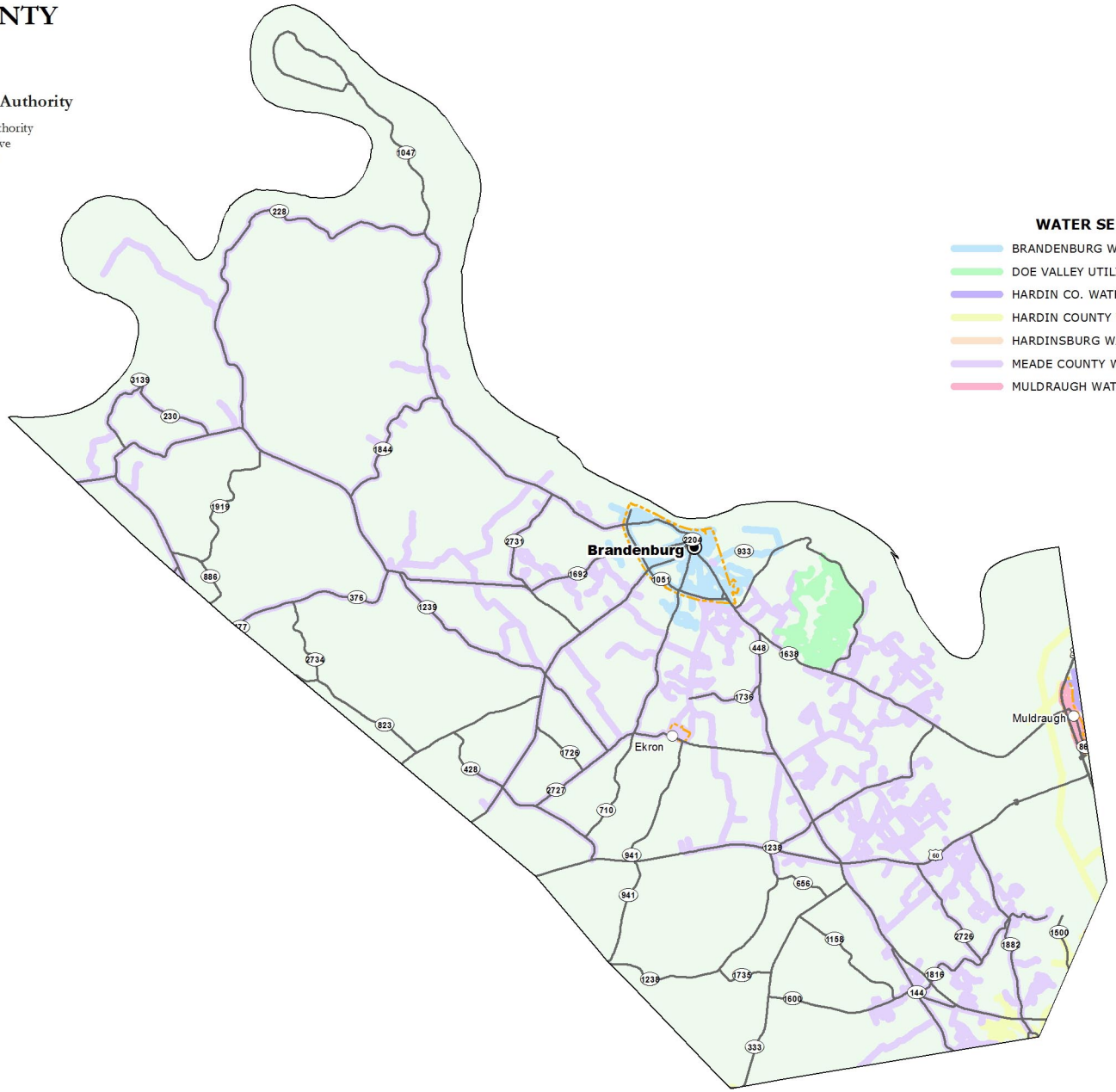
Water Resource Information System



System Summary for Brandenburg Water Works

PWSID	KY0820041	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$16.35 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$25.23 per 4,000 gallons.	Total Connections	1,318
Residential Customers	1,140	Total Produced (MG)	278.921
Commercial Customers	175	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	120.575
Industrial Customers	2	Total Wholesale Sold (MG)	162.864
Wholesale Customers	1	Estimated Pct. Water Loss	-2%
Total Distribution System Line Length = 42.92 miles (Distribution: 41.90 miles, Transmission: 1.02 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Brandenburg Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21163012	Brandenburg Water Treatment Plant Upgrade	0-2 Years	Partially Funded	$3,080,000	Meade		
WX21163008	Brandenburg Ground Level Water Storage Tank	3-5 Years	Not Funded	$500,000	Meade		
WX21163006	Brandenburg Waterline Replacements	3-5 Years	Partially Funded	$399,900	Meade		

System Summary for Meade County Water District

PWSID	KY0820369	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$35.30 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,489
Residential Customers	4,758	Total Produced (MG)	-
Commercial Customers	230	Total Purchased (MG)	344.353
Institutional Customers	-	Total Inside Usage (MG)	259.062
Industrial Customers	-	Total Wholesale Sold (MG)	62.694
Wholesale Customers	1	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 295.07 miles (Distribution: 294.23 miles, Transmission: 0.84 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Meade County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21163016	Phase VIII Water System Improvements/ Meade Co. Water District	3-5 Years	Not Funded	$2,000,000	Meade	1	2
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin	3	1
WX21163022	Flaherty Water Transmission Main	0-2 Years	Not Funded	$1,999,175	Meade		
WX21163002	MeCWD - KY 1638 Transmission Main	0-2 Years	Not Funded	$1,852,783	Meade		
WX21093044	Hardin Co. Water District No. 1 Hwy 313 & 1882 Transmission Main	0-2 Years	Not Funded	$1,570,000	Hardin		

System Summary for Muldraugh Water Department

PWSID	KY0820481	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$20.50 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	389
Residential Customers	330	Total Produced (MG)	-
Commercial Customers	47	Total Purchased (MG)	25.159
Institutional Customers	-	Total Inside Usage (MG)	23.501
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%

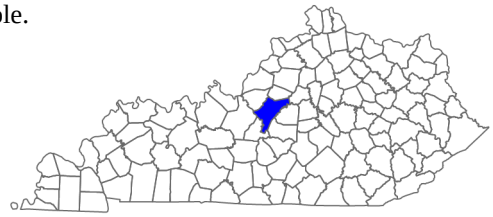
Total Distribution System Line Length = 7.07 miles (Distribution: 7.07 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Muldraugh Water Department

Nelson County

- 2010 census population of 43,437 (18,075 households) with 99% serviceable.
- Projected 2020 population of 50,119 (change of 6,682).
- Nelson County has 683.34 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,989,500.
- There are no projects planned from 6 to 10 years.



Nelson County has a 2010 census population count of 43,437 (18,075 households) with a projected 2020 population count of 50,119 (20,219 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 41 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 1,018 instances of improved service through the rehabilitation of 10.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Bardstown	2	$2,000,000	6	-	9.00	-	-
City of Bloomfield	6	$3,431,400	31	69	4.00	1.00	-
City of New Haven	8	$1,809,500	-	735	-	2.00	-
Larue County Water District #1	2	$4,250,000	3	-	2.00	-	-
Marion County Water District	1	$350,000	-	65	-	3.00	-
Nelson County Fiscal Court	1	$300,000	1	-	1.00	-	-
North Nelson Water District	2	$848,600	-	149	-	4.00	-
Totals:	**22**	**$12,989,500**	**41**	**1,018**	**16.00**	**10.00**	**-**

Community Drinking Water Systems in Nelson County

Note: Serviceability counts are for households within Nelson county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0900017	Bardstown Municipal Water Department	Nelson	24,992	10,562
KY0900031	Bloomfield Water & Sewer Department	Nelson	4,372	1,871
KY0900312	New Haven Municipal Water Works	Nelson	1,363	584
KY0900323	North Nelson Water District	Nelson	8,892	3,521
KY0620237	Larue County Water District #1	Larue	1,665	672
KY0780268	Marion County Water District	Marion	1,397	589
KY1080425	Taylorsville Water Works	Spencer	45	20
		Totals:	42,726	17,819

Kentucky Infrastructure Authority
January 04, 2019

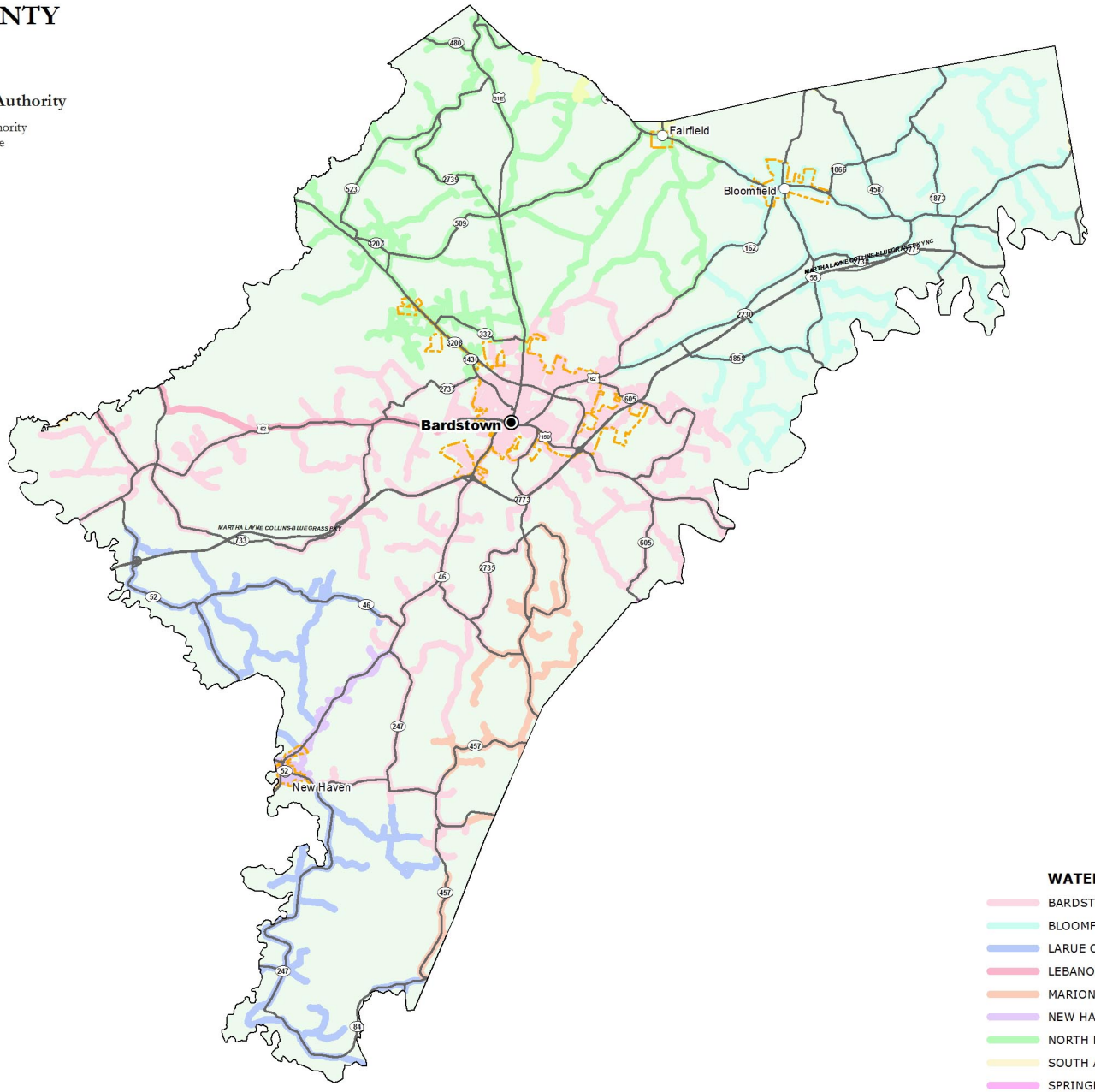
WATER SERVICE AREAS
NELSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BARDSTOWN MUNICIPAL WATER DEPARTMENT
- BLOOMFIELD WATER & SEWER DEPARTMENT
- LARUE COUNTY WATER DISTRICT #1
- LEBANON JUNCTION WATER WORKS
- MARION COUNTY WATER DISTRICT
- NEW HAVEN MUNICIPAL WATER WORKS
- NORTH NELSON WATER DISTRICT
- SOUTH ANDERSON WATER DISTRICT
- SPRINGFIELD WATER & SEWER COMMISSION
- TAYLORSVILLE WATER WORKS

System Summary for Bardstown Municipal Water Department

PWSID	KY0900017	Treats Water	Yes, 1 plant with total capacity of 8.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	25	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$17.09 per 4,000 gallons.	Storage Capacity	Yes, 13 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$21.97 per 4,000 gallons.	Total Connections	11,039
Residential Customers	9,815	Total Produced (MG)	1,688.200
Commercial Customers	1,206	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,002.960
Industrial Customers	13	Total Wholesale Sold (MG)	351.410
Wholesale Customers	4	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 293.60 miles (Distribution: 293.07 miles, Transmission: 0.53 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bardstown Municipal Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21179020	City of Bardstown-Boston Water Improvements	3-5 Years	Not Funded	$1,500,000	Nelson		
WX21179011	Bardstown Rubble Dam	3-5 Years	Not Funded	$500,000	Nelson		
WX21179019	Nelson County Fiscal Court Industrial Park: Water Phase 2	3-5 Years	Not Funded	$300,000	Nelson		

System Summary for Bloomfield Water & Sewer Department

PWSID	KY0900031	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$19.72 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.61 per 4,000 gallons.	Total Connections	1,916
Residential Customers	1,869	Total Produced (MG)	-
Commercial Customers	44	Total Purchased (MG)	165.438
Institutional Customers	-	Total Inside Usage (MG)	138.179
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 108.41 miles (Distribution: 108.36 miles, Transmission: 0.05 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bloomfield Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21179014	Bloomfield Water System Improvements	3-5 Years	Not Funded	$800,000	Nelson	7	1
WX21179015	Bloomfield Water Line Extensions and Telemetry	3-5 Years	Not Funded	$675,000	Nelson	31	3
WX21179032	Decatur and Goodloe Main Replacements	3-5 Years	Not Funded	$88,900	Nelson	57	
WX21179016	City of Bloomfield Water Storage Tank	3-5 Years	Not Funded	$1,250,000	Nelson	64	
WX21179013	Bloomfield Chaplin Water Tank Rehabilitation	0-2 Years	Not Funded	$182,500	Nelson		

System Summary for New Haven Municipal Water Works

PWSID	KY0900312	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$32.10 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$34.69 per 4,000 gallons.	Total Connections	690
Residential Customers	571	Total Produced (MG)	-
Commercial Customers	52	Total Purchased (MG)	49.113
Institutional Customers	-	Total Inside Usage (MG)	32.906
Industrial Customers	-	Total Wholesale Sold (MG)	9.151
Wholesale Customers	1	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 15.31 miles (Distribution: 14.70 miles, Transmission: 0.61 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for New Haven Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21179024	New Haven Downtown Waterline Replacement	3-5 Years	Not Funded	$250,000	Nelson	25	2
WX21179027	City of New Haven - New SCADA (Telemtry System)	3-5 Years	Not Funded	$90,500	Nelson	40	
WX21179026	City of New Haven - East Center St. Waterline & Hydrant Replacement	3-5 Years	Not Funded	$247,000	Nelson	56	
WX21179033	New Haven Water Tank Replacement	3-5 Years	Not Funded	$570,000	Nelson	58	
WX21179025	City of New Haven - Main St. & Ridgeview Dr. Replacement	3-5 Years	Not Funded	$226,000	Nelson	62	
WX21179028	City of New Haven Hydrant & Gate Valve Replacement	0-2 Years	Not Funded	$156,000	Nelson	63	
WX21179023	City of New Haven - Center & Mill St. Waterline Replacement	3-5 Years	Not Funded	$200,000	Nelson		
WX21179029	City of New Haven - Price Creek Waterline Replacement	3-5 Years	Not Funded	$70,000	Nelson		

System Summary for North Nelson Water District

PWSID	KY0900323	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$23.11 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	4,498
Residential Customers	4,500	Total Produced (MG)	-
Commercial Customers	73	Total Purchased (MG)	291.846
Institutional Customers	-	Total Inside Usage (MG)	270.559
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 213.36 miles (Distribution: 213.27 miles, Transmission: 0.09 miles).

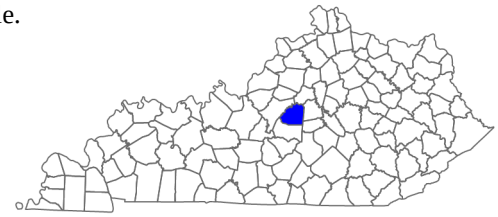
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Nelson Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21179009	North Nelson KY 48 / Murrays Run & Samuels Upgrade	0-2 Years	Not Funded	$398,100	Nelson	26	4
WX21179010	North Nelson Hwy 245 Replacement	3-5 Years	Not Funded	$450,500	Nelson	35	5
WX21215079	Louisville Road- Highway 31 East	3-5 Years	Not Funded	$168,960	Spencer	78	13
WX21215080	Max Rouse Road	3-5 Years	Not Funded	$196,416	Spencer	105	16

Washington County

- 2010 census population of 11,717 (5,044 households) with 98% serviceable.
- Projected 2020 population of 12,486 (change of 769).
- Washington County has 433.59 miles of existing water lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,120,000.
- There are no projects planned from 6 to 10 years.



Washington County has a 2010 census population count of 11,717 (5,044 households) with a projected 2020 population count of 12,486 (4,958 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 8 serviceable households will be added through the construction of 2.00 miles of water line extensions and approximately 8,845 instances of improved service through the rehabilitation of 12.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Springfield	2	$1,830,000	-	4,000	-	-	-
Springfield Water and Sewer Commission	6	$4,290,000	8	4,845	2.00	12.00	1.00
Totals:	**8**	**$6,120,000**	**8**	**8,845**	**2.00**	**12.00**	**1.00**

Community Drinking Water Systems in Washington County

Note: Serviceability counts are for households within Washington county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1150415	Springfield Water & Sewer Commission	Washington	10,393	4,491
KY0840321	North Mercer Water District	Mercer	846	367
KY0900017	Bardstown Municipal Water Department	Nelson	151	70
		Totals:	11,390	4,928

Kentucky Infrastructure Authority
January 04, 2019

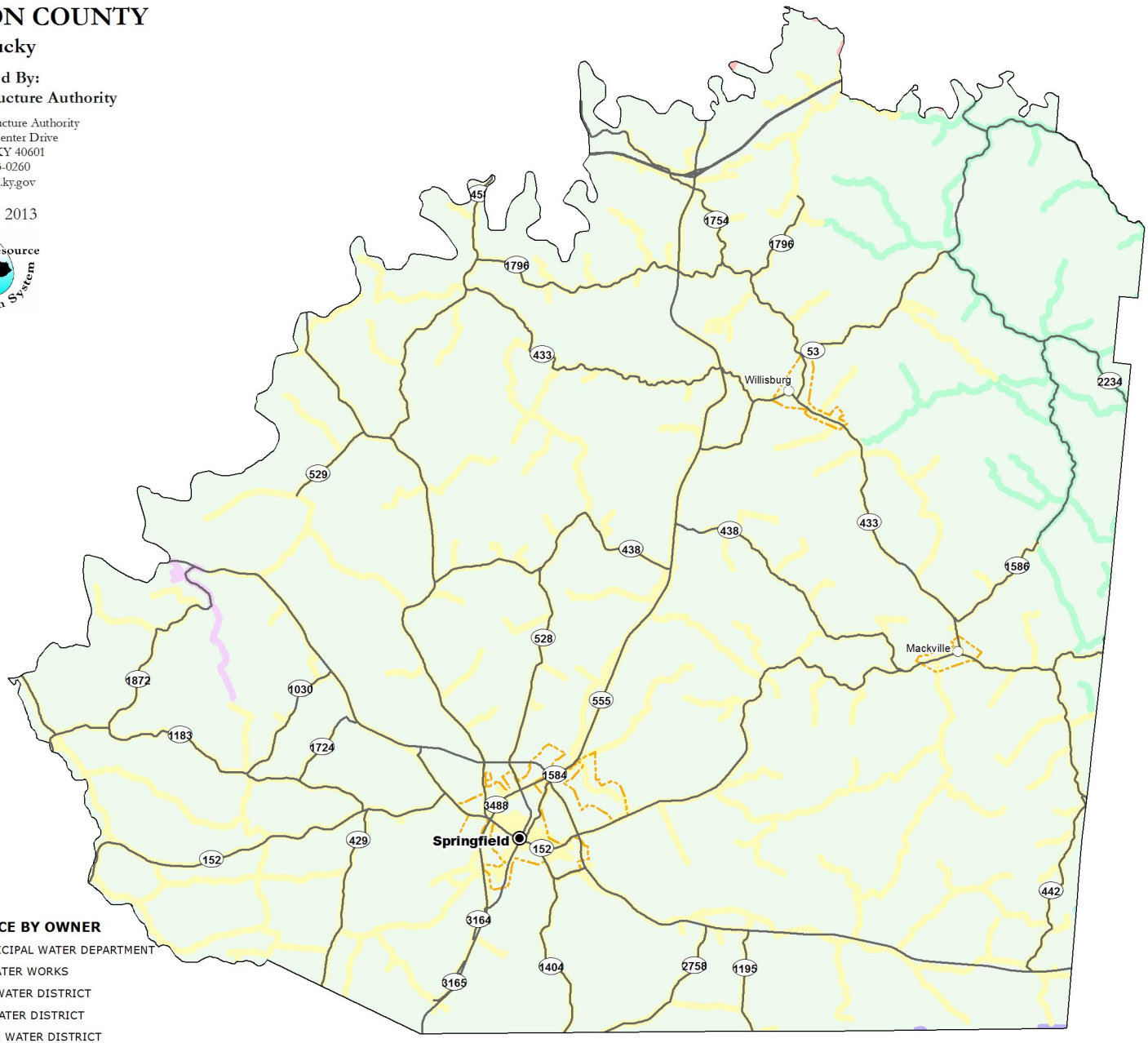
WATER SERVICE AREAS
WASHINGTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BARDSTOWN MUNICIPAL WATER DEPARTMENT
- DANVILLE CITY WATER WORKS
- MARION COUNTY WATER DISTRICT
- NORTH MERCER WATER DISTRICT
- SOUTH ANDERSON WATER DISTRICT
- SPRINGFIELD WATER & SEWER COMMISSION

System Summary for Springfield Water & Sewer Commission

PWSID	KY1150415	Treats Water	Yes, 1 plant with total capacity of 3.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	14	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$21.57 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$48.48 per 4,000 gallons.	Total Connections	4,322
Residential Customers	4,223	Total Produced (MG)	430.000
Commercial Customers	257	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	391.536
Industrial Customers	14	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

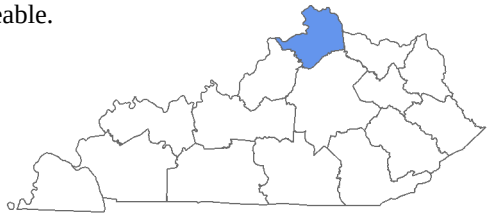
Total Distribution System Line Length = 377.40 miles (Distribution: 363.56 miles, Transmission: 13.84 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Springfield Water & Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21229012	Beech Fork Raw Water Intake	3-5 Years	Not Funded	$500,000	Washington	5	1
WX21021010	Danville - Perryville Standpipe Replacement and Water Main	0-2 Years	Not Funded	$4,918,257	Boyle	7	2
WX21229009	Springfield Danville Interconnect	0-2 Years	Not Funded	$330,000	Washington	20	3
WX21229005	City of Springfield Waterline Replacement/Upgrade	3-5 Years	Not Funded	$1,000,000	Washington	23	2
WX21229010	Springfield - Willisburg Lake Improvements	3-5 Years	Not Funded	$1,500,000	Washington	29	4
WX21229006	Springfield New Raw Water Pump	3-5 Years	Not Funded	$750,000	Washington	37	5
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	$1,000,000	Washington	44	
WX21229008	Springfield Water Supply Study	0-2 Years	Not Funded	$100,000	Washington	45	
WX21229011	US 150 Bypass Water Main Extension	0-2 Years	Not Funded	$940,000	Washington		

Northern Kentucky Area Development District (NKADD)



- 2010 census population of 438,647 (185,049 households) with 97% serviceable.
- Projected 2020 population of 488,377 (change of 49,730).
- 3,582.76 miles of existing water lines.
- 453.00 miles of line extensions proposed in the next 10 years.
- 46.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $212,954,602.
- Estimated funding needs for projects from 6 to 10 years: $37,174,144.
- Average age of structures: water treatment plants is 38 years; water tanks is 13 years.
- Total number of interconnected systems is 24.
- 45 miles of asbestos concrete pipe currently in use.
- 419 miles of water lines less than 15 years old.
- 974 miles of water lines between 15 and 30 years old.
- 1,598 miles of water lines between 31 and 50 years old.
- 286 miles of water lines between 51 and 70 years old.
- 271 miles of water lines greater than 70 years old.

Northern Kentucky Area Development District has a 2010 census population count of 438,647 (185,049 households) with a projected 2020 population count of 488,377 (194,345 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,040 serviceable households will be added through the construction of 453.00 miles of water line extensions and approximately 268,112 instances of improved service through the rehabilitation of 46.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this district.

County Summary for Northern Kentucky Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boone	118,811	46,154	153,933	59,951	44,336	96%	$ 35,770,430
Campbell	90,336	39,523	91,642	37,713	38,588	98%	$ 54,783,189
Carroll	10,811	4,696	11,440	4,408	4,619	98%	$ 5,852,124
Gallatin	8,589	3,786	9,264	3,592	3,726	98%	$ 661,500
Grant	24,662	9,942	26,917	9,870	9,802	99%	$ 63,234,663
Kenton	159,720	68,975	168,458	68,111	67,766	98%	$ 52,123,813
Owen	10,841	5,634	11,336	4,713	4,851	86%	$ 13,893,318
Pendleton	14,877	6,339	15,387	5,987	5,821	92%	$ 23,809,709
Totals	**438,647**	**185,049**	**488,377**	**194,345**	**179,509**	**97%**	**$ 250,128,746**

Kentucky Infrastructure Authority
January 04, 2019

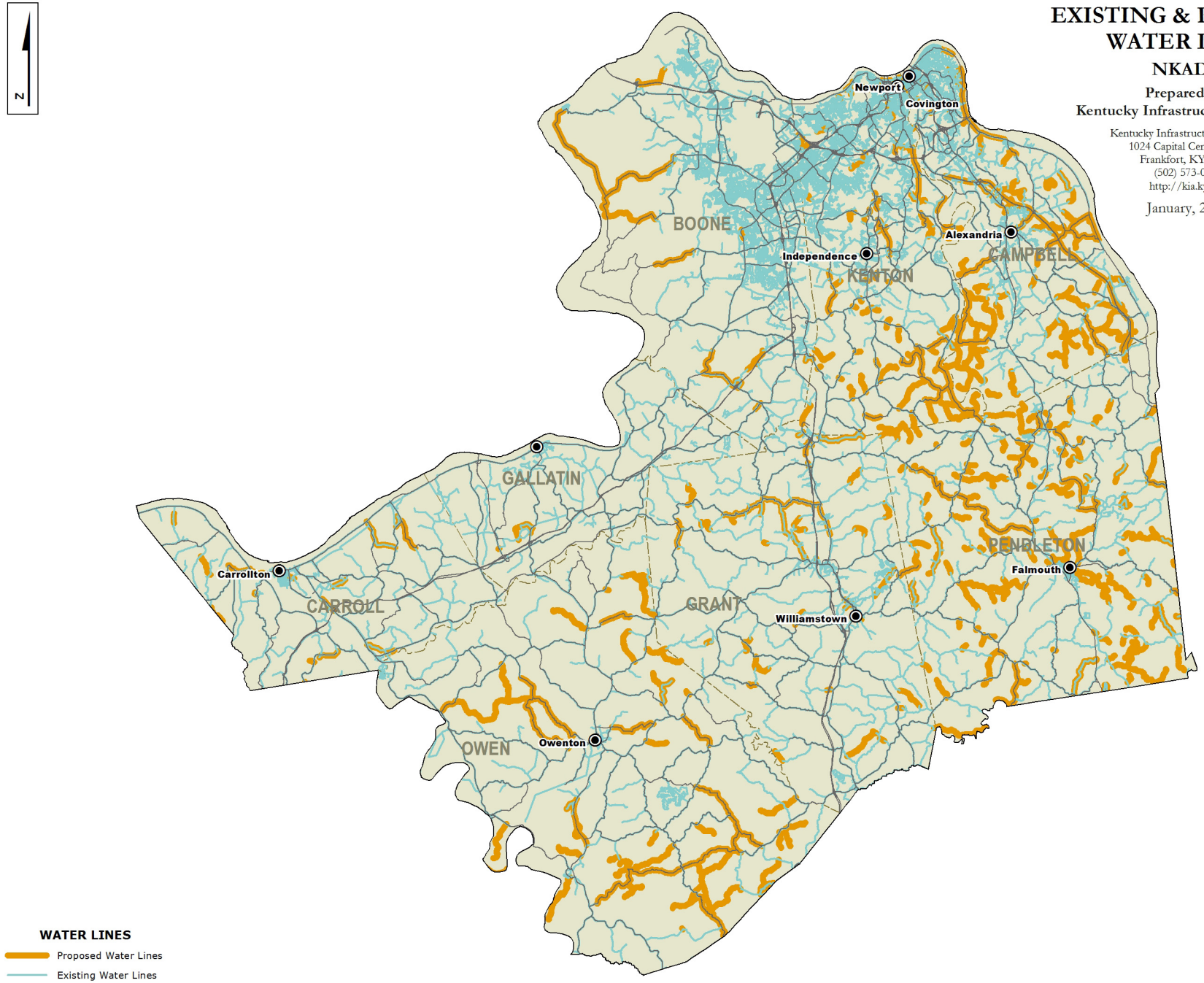
EXISTING & PROPOSED WATER LINES

NKADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Northern Kentucky Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0080034	Boone County Water District	Boone	75,972	27,865
KY0081013	Boone-Florence Water Commission	Boone	91	57
KY0080135	Florence Water & Sewer Commission	Boone	30,728	13,437
KY0080442	Walton Waterworks Department	Boone	3,887	1,550
KY0210066	Carroll County Water District #1	Carroll	5,934	2,866
KY0210067	Carrollton Utilities	Carroll	4,695	1,999
KY0210008	West Carroll Water District - Carrollton	Carroll	2,376	1,048
KY0210637	West Carroll Water District - Milton	Carroll	95	50
KY0390130	Gallatin County Water District	Gallatin	5,327	2,241
KY0390444	Warsaw Water Works	Gallatin	1,988	948
KY0410047	Bullock Pen Water District	Grant	19,245	7,407
KY0410662	Corinth Water District	Grant	2,964	1,309
KY0410107	Dry Ridge Water Works Commission	Grant	2,041	813
KY0410472	Williamstown Municipal Water Department	Grant	4,620	1,978
KY0590220	Northern Kentucky Water District	Kenton	242,911	105,610
KY0960051	Butler Water Works	Pendleton	617	284
KY0960112	East Pendleton Water District	Pendleton	5,121	2,175
KY0960126	Falmouth Water Department	Pendleton	2,568	1,179
KY0960348	Pendleton County Water District #1 North	Pendleton	4,824	1,965
KY0960499	Pendleton County Water District #1 South	Pendleton	1,387	569
		Totals:	417,391	175,350

Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$9,450,000	Kenton	1	1
WX21015409	BCWD/Boone County Rural Water Project - Phase C (Eastbend, Waterloo,McVille)	3-5 Years	Not Funded	$2,909,500	Boone	2	1
WX21041003	500K Carroll and Gallatin County Hwy. 42 Elevated Industrial Tan	0-2 Years	Not Funded	$1,706,000	Carroll	3	1
WX21191003	Water Storage Reservoir Repair and Roof Replacement	0-2 Years	Not Funded	$548,709	Pendleton	4	1
WX21037311	NKWD - Newport/Bellevue/Dayton Water Main Replacement Project	0-2 Years	Not Funded	$5,915,000	Campbell	5	2
WX21015301	Boone-Florence Water Commission - Northwest Water Storage Tank	0-2 Years	Not Funded	$5,000,000	Boone	6	2
WX21041006	MainS - Materials and Infrastructure Size Replacement Project	0-2 Years	Not Funded	$2,161,266	Carroll	7	2
WX21117212	NKWD - Covington Water Main Replacement Project	0-2 Years	Not Funded	$6,500,000	Kenton	8	20
WX21191006	Ivor Road Waterline Extension	0-2 Years	Not Funded	$336,600	Pendleton	9	2
WX21037310	NKWD - Campbell County Unserved and Underserved Project 2012 - Subdistrict J	0-2 Years	Not Funded	$6,378,135	Campbell	10	3
WX21117303	NKWD - Kenton County Unserved Water Project 2013 (Subdistrict O)	0-2 Years	Not Funded	$4,926,768	Kenton	11	30
WX21015411	BCWD/Boone County Rural Water Project - Phase E Belleview RdPetersburg)	3-5 Years	Not Funded	$2,226,320	Boone	12	3
WX21041007	Hardy Creek Extension	0-2 Years	Not Funded	$131,142	Carroll	13	3
			Total Cost:	**$48,189,440**			

Boone County

- 2010 census population of 118,811 (46,154 households) with 96% serviceable.
- Projected 2020 population of 153,933 (change of 35,122).
- Boone County has 719.74 miles of existing water lines.
- 25.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $35,770,430.
- There are no projects planned from 6 to 10 years.

Boone County has a 2010 census population count of 118,811 (46,154 households) with a projected 2020 population count of 153,933 (59,951 households). Public water is currently available to approximately 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 507 serviceable households will be added through the construction of 25.00 miles of water line extensions and approximately 11,590 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Boone County Fiscal Court	1	$9,910,000	234	-	10.00	-	-
Boone County Water District	4	$9,341,520	265	-	13.00	-	-
Boone-Florence Water Commission	2	$8,900,000	-	9,000	-	-	-
Bullock Pen Water District	2	$1,918,910	8	2,500	2.00	4.00	-
City of Florence	1	$600,000	-	90	-	1.00	-
Northern Kentucky Water District	1	$5,100,000	-	-	-	-	-
Totals:	**11**	**$35,770,430**	**507**	**11,590**	**25.00**	**5.00**	**-**

Community Drinking Water Systems in Boone County

Note: Serviceability counts are for households within Boone county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0080034	Boone County Water District	Boone	75,794	27,796
KY0081013	Boone-Florence Water Commission	Boone	91	57
KY0080135	Florence Water & Sewer Commission	Boone	29,953	13,121
KY0080442	Walton Waterworks Department	Boone	3,844	1,528
KY0390130	Gallatin County Water District	Gallatin	118	58
KY0410047	Bullock Pen Water District	Grant	3,144	1,158
KY0590220	Northern Kentucky Water District	Kenton	1,459	618
		Totals:	114,403	44,336

Kentucky Infrastructure Authority
January 04, 2019

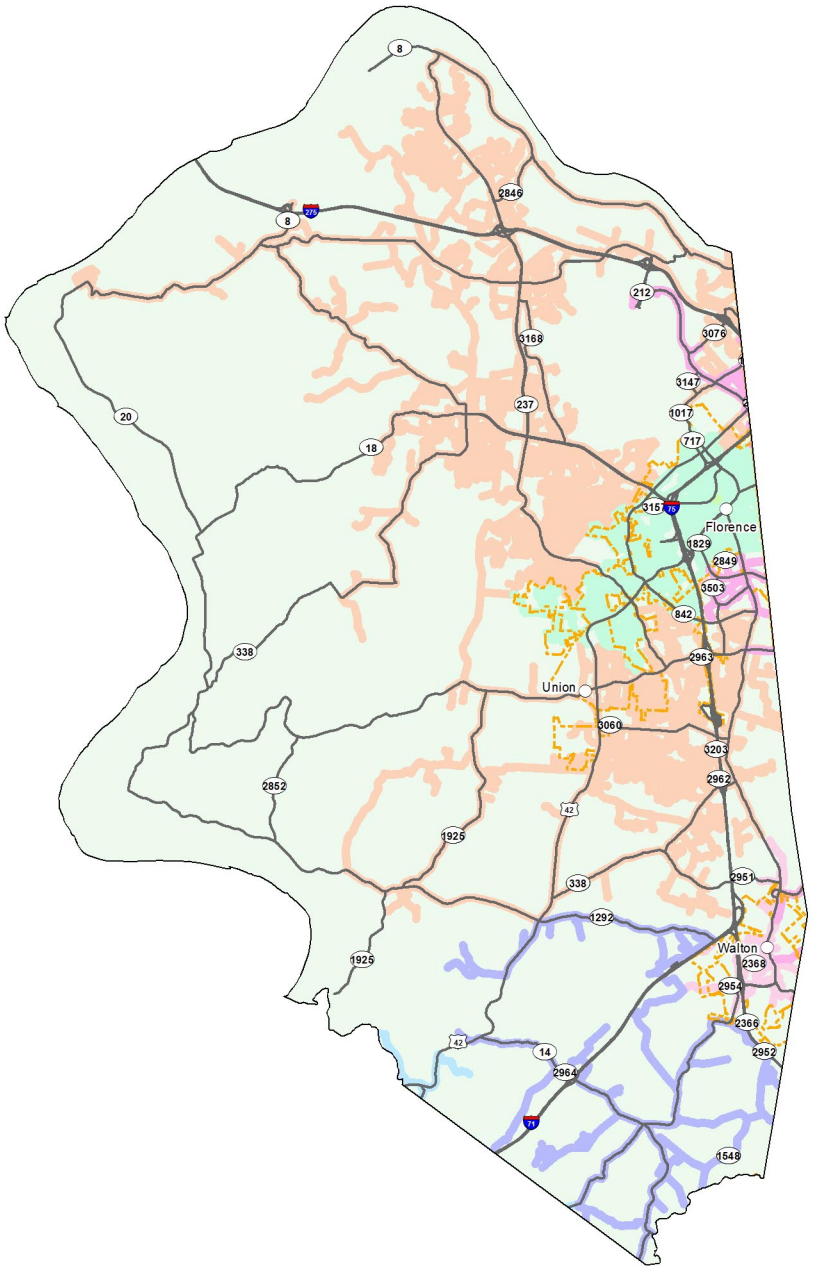
WATER SERVICE AREAS
BOONE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- BOONE COUNTY WATER & SEWER DISTRICT
- BOONE-FLORENCE WATER COMMISSION
- BULLOCK PEN WATER DISTRICT
- FLORENCE WATER & SEWER COMMISSION
- GALLATIN COUNTY WATER DISTRICT
- NORTHERN KENTUCKY WATER DISTRICT
- WALTON WATERWORKS DEPARTMENT

System Summary for Boone County Water District

PWSID	KY0080034	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	27	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$17.52 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	24,000
Residential Customers	22,900	Total Produced (MG)	-
Commercial Customers	1,101	Total Purchased (MG)	2,800.000
Institutional Customers	-	Total Inside Usage (MG)	2,492.572
Industrial Customers	16	Total Wholesale Sold (MG)	66.185
Wholesale Customers	1	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 481.60 miles (Distribution: 481.60 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Boone County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21015409	BCWD/Boone County Rural Water Project - Phase C (Eastbend, Waterloo,McVille)	3-5 Years	Not Funded	$2,909,500	Boone	2	1
WX21015301	Boone-Florence Water Commission - Northwest Water Storage Tank	0-2 Years	Not Funded	$5,000,000	Boone	6	2
WX21015411	BCWD/Boone County Rural Water Project - Phase E Belleview RdPetersburg)	3-5 Years	Not Funded	$2,226,320	Boone	12	3
WX21015400	Boone County Rural Water Project - Phase II	0-2 Years	Partially Funded	$9,910,000	Boone		
WX21015302	Boone-Florence Water Commission - Southeast Water Storage Tank	3-5 Years	Not Funded	$3,900,000	Boone		
WX21015517	BCWD - Phase C1 Burlington Pike (Belleview Rd to Green Acres Ln)	3-5 Years	Not Funded	$2,909,500	Boone		
WX21015514	BCWD - Williams Rd. to Garrison Creek Rd. Phase A	3-5 Years	Not Funded	$1,296,200	Boone		

System Summary for Boone-Florence Water Commission

PWSID	KY0081013	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Regional Water Commission	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$21.14 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	2
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	3,800.000
Wholesale Customers	2	Estimated Pct. Water Loss	

Total Distribution System Line Length = 0.46 miles (Distribution: 0.46 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Boone-Florence Water Commission

System Summary for Florence Water & Sewer Commission

PWSID	KY0080135	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	14	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$25.56 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	8,822
Residential Customers	5,434	Total Produced (MG)	-
Commercial Customers	3,300	Total Purchased (MG)	1,000.000
Institutional Customers	-	Total Inside Usage (MG)	904.000
Industrial Customers	27	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 138.42 miles (Distribution: 138.42 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Florence Water & Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21015510	Goodridge Avenue Water Main Relining	0-2 Years	Not Funded	$600,000	Boone		

System Summary for Walton Waterworks Department

PWSID	KY0080442	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$30.89 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$35.92 per 4,000 gallons.	Total Connections	1,236
Residential Customers	1,056	Total Produced (MG)	-
Commercial Customers	180	Total Purchased (MG)	190.153
Institutional Customers	-	Total Inside Usage (MG)	125.000
Industrial Customers	-	Total Wholesale Sold (MG)	28.520
Wholesale Customers	1	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 30.49 miles (Distribution: 30.49 miles, Transmission: 0.00 miles).

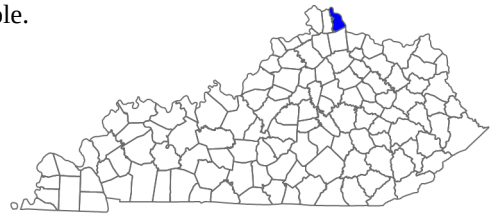
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Walton Waterworks Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$9,450,000	Kenton	1	1
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Partially Funded	$5,100,000	Kenton		

Campbell County

- 2010 census population of 90,336 (39,523 households) with 98% serviceable.
- Projected 2020 population of 91,642 (change of 1,306).
- Campbell County has 528.72 miles of existing water lines.
- 88.00 miles of line extensions proposed in the next 10 years.
- 7.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $34,087,637.
- Estimated funding needs for projects from 6 to 10 years: $20,695,552.



Campbell County has a 2010 census population count of 90,336 (39,523 households) with a projected 2020 population count of 91,642 (37,713 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 821 serviceable households will be added through the construction of 88.00 miles of water line extensions and approximately 30,035 instances of improved service through the rehabilitation of 7.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Northern Kentucky Water District	14	$54,783,189	821	30,035	88.00	7.00	-
Totals:	**14**	**$54,783,189**	**821**	**30,035**	**88.00**	**7.00**	**-**

Community Drinking Water Systems in Campbell County

Note: Serviceability counts are for households within Campbell county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0590220	Northern Kentucky Water District	Kenton	86,508	38,017
KY0960112	East Pendleton Water District	Pendleton	261	98
KY0960348	Pendleton County Water District #1 North	Pendleton	1,221	473
		Totals:	87,990	38,588

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
CAMPBELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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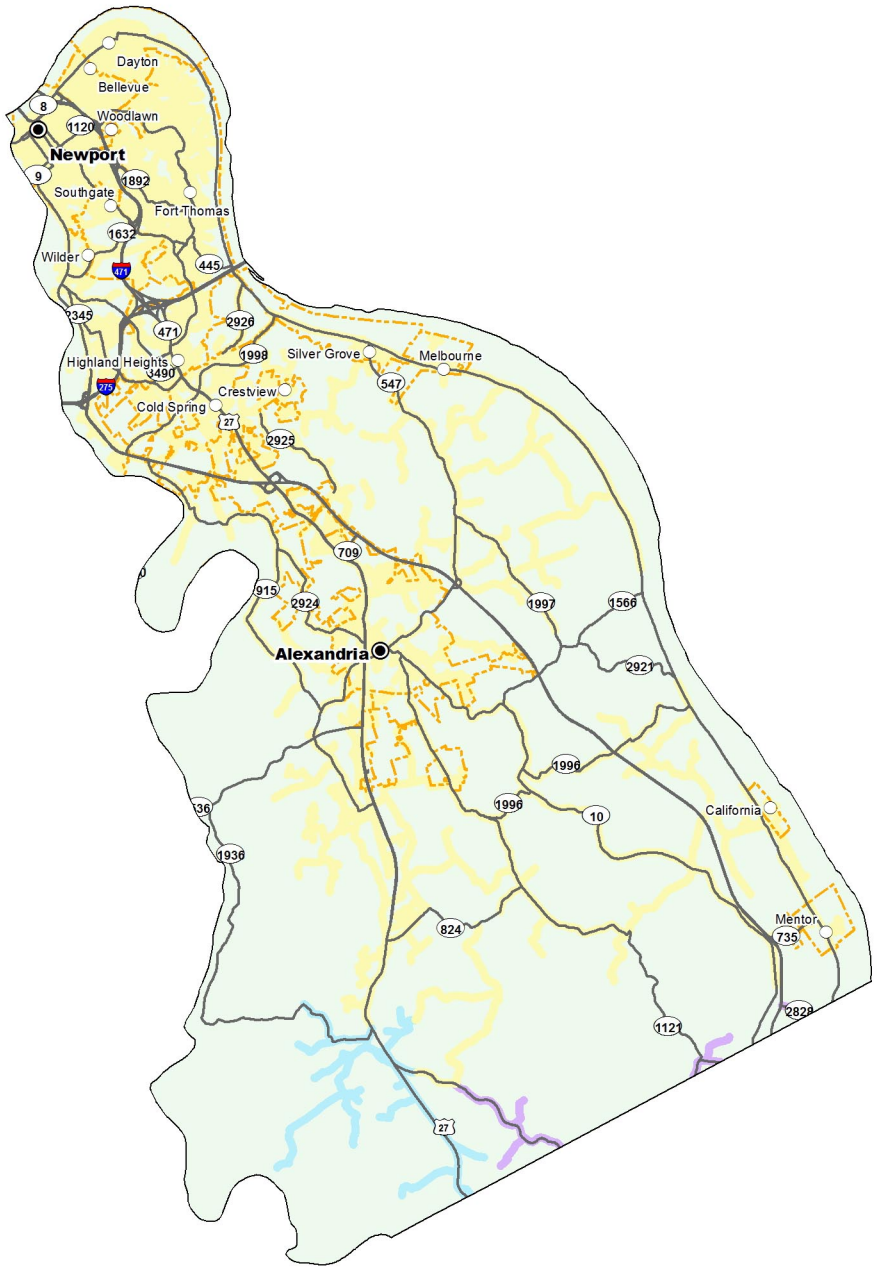
Water Resource Information System



WATER SERVICE BY OWNER

- EAST PENDLETON WATER DISTRICT
- NORTHERN KENTUCKY WATER DISTRICT
- PENDLETON COUNTY WATER DISTRICT #1 NORTH

Carroll County

- 2010 census population of 10,811 (4,696 households) with 98% serviceable.
- Projected 2020 population of 11,440 (change of 629).
- Carroll County has 234.05 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,852,124.
- There are no projects planned from 6 to 10 years.

Carroll County has a 2010 census population count of 10,811 (4,696 households) with a projected 2020 population count of 11,440 (4,408 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 10,830 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Carroll County Water District #1	2	$470,000	-	2,400	-	-	-
City of Carrollton	2	$5,382,124	-	8,430	-	3.00	-
Totals:	**4**	**$5,852,124**	-	**10,830**	-	**3.00**	-

Community Drinking Water Systems in Carroll County

Note: Serviceability counts are for households within Carroll county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0210066	Carroll County Water District #1	Carroll	3,809	1,688
KY0210067	Carrollton Utilities	Carroll	4,695	1,999
KY0210008	West Carroll Water District - Carrollton	Carroll	1,934	843
KY0210637	West Carroll Water District - Milton	Carroll	94	49
KY0520192	Henry County Water District #2	Henry	99	37
		Totals:	10,631	4,616

Kentucky Infrastructure Authority
January 04, 2019

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CARROLL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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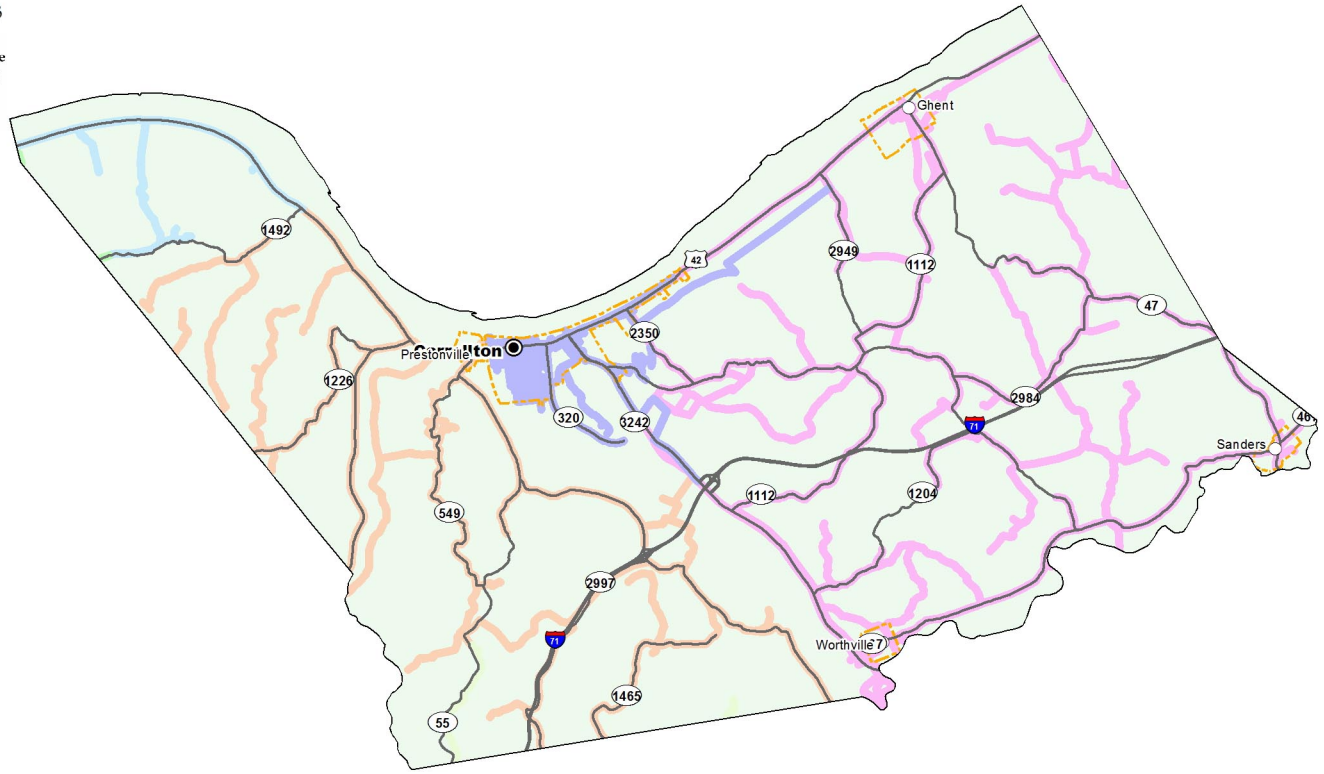

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WATER SERVICE BY OWNER

- CARROLL COUNTY WATER DISTRICT #1
- CARROLLTON UTILITIES
- HENRY COUNTY WATER DISTRICT #2
- MILTON WATER & SEWER DEPARTMENT
- WEST CARROLL WATER DISTRICT - CARROLLTON
- WEST CARROLL WATER DISTRICT - MILTON

System Summary for Carroll County Water District #1

PWSID	KY0210066	Treats Water	Yes, 2 plants with total capacity of 3.020 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 7 sources.
Employees	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$36.00 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 13 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,875
Residential Customers	2,756	Total Produced (MG)	407.931
Commercial Customers	168	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	346.461
Industrial Customers	29	Total Wholesale Sold (MG)	20.809
Wholesale Customers	1	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 209.64 miles (Distribution: 209.49 miles, Transmission: 0.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Carroll County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21041005	Carroll County Regional Nexus Project	0-2 Years	Not Funded	$3,220,858	Carroll		
WX21187400	2003 Owen County Fiscal Court - Waterline Extensions	3-5 Years	Partially Funded	$1,500,000	Owen		
WX21077401	Carroll County Water District - KY 1039 Tank and Main	0-2 Years	Not Funded	$661,500	Carroll		
WX21041706	Carroll County Water District - Emergency Generators	0-2 Years	Not Funded	$290,000	Carroll		
WX21041701	Carroll County Water Meter Setter Replacement	0-2 Years	Not Funded	$180,000	Carroll		

System Summary for Carrollton Utilities

PWSID	KY0210067	Treats Water	Yes, 1 plant with total capacity of 1.500 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	29	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$23.33 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$29.50 per 4,000 gallons.	Total Connections	2,354
Residential Customers	2,118	Total Produced (MG)	275.000
Commercial Customers	231	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	174.700
Industrial Customers	3	Total Wholesale Sold (MG)	67.000
Wholesale Customers	2	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 37.79 miles (Distribution: 37.79 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Carrollton Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21041006	MainS - Materials and Infrastructure Size Replacement Project	0-2 Years	Not Funded	$2,161,266	Carroll	7	2
WX21041005	Carroll County Regional Nexus Project	0-2 Years	Not Funded	$3,220,858	Carroll		

System Summary for West Carroll Water District - Carrollton

PWSID	KY0210008	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$39.41 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	972
Residential Customers	875	Total Produced (MG)	-
Commercial Customers	33	Total Purchased (MG)	67.000
Institutional Customers	-	Total Inside Usage (MG)	43.322
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	35%
Total Distribution System Line Length = 79.81 miles (Distribution: 79.81 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Carroll Water District - Carrollton

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21041007	Hardy Creek Extension	0-2 Years	Not Funded	$131,142	Carroll	13	3
WX21223025	Bucks Run Water Line	6-10 Years	Not Funded	$18,500	Trimble	82	6

System Summary for West Carroll Water District - Henry

PWSID	KY0210419	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	$39.41 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	
Residential Customers	36	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2.246
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	

Total Distribution System Line Length = 0.00 miles (Distribution: 0.00 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Carroll Water District - Henry

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21103057	Turkey Run Waterline	3-5 Years	Not Funded	$190,229	Henry	60	8

System Summary for West Carroll Water District - Milton

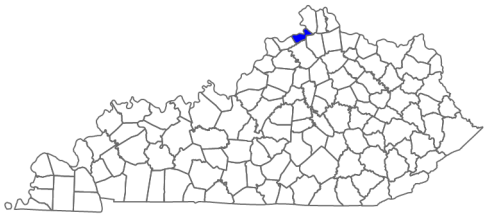
PWSID	KY0210637	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$39.41 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	28
Residential Customers	28	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	1.087
Institutional Customers	-	Total Inside Usage (MG)	1.087
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 10.14 miles (Distribution: 10.14 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for West Carroll Water District - Milton

Gallatin County

- 2010 census population of 8,589 (3,786 households) with 98% serviceable.
- Projected 2020 population of 9,264 (change of 675).
- Gallatin County has 188.64 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $661,500.
- There are no projects planned from 6 to 10 years.



Gallatin County has a 2010 census population count of 8,589 (3,786 households) with a projected 2020 population count of 9,264 (3,592 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Carroll County Water District #1	1	$661,500	-	-	-	-	-
Totals:	**1**	**$661,500**	-	-	-	-	-

Community Drinking Water Systems in Gallatin County

Note: Serviceability counts are for households within Gallatin county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0390130	Gallatin County Water District	Gallatin	5,085	2,135
KY0390444	Warsaw Water Works	Gallatin	1,988	948
KY0210066	Carroll County Water District #1	Carroll	904	438
KY0340250	Kentucky-American Water Company	Fayette	333	152
KY0410047	Bullock Pen Water District	Grant	131	53
		Totals:	8,441	3,726

Kentucky Infrastructure Authority
January 04, 2019

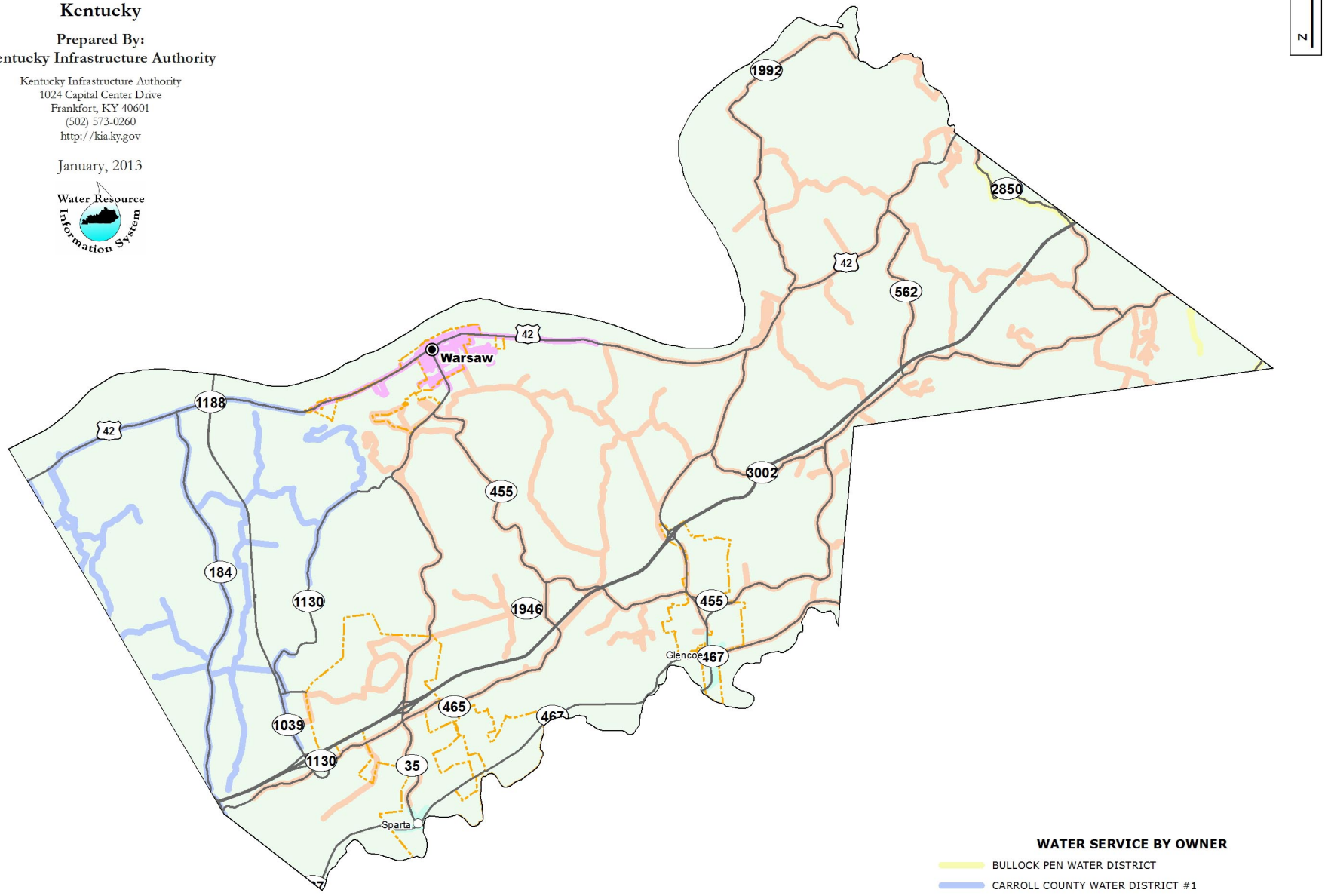
WATER SERVICE AREAS
GALLATIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Gallatin County Water District

PWSID	KY0390130	Treats Water	Yes, 2 plants with total capacity of 2.160 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$30.65 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,100
Residential Customers	1,815	Total Produced (MG)	139.485
Commercial Customers	33	Total Purchased (MG)	6.029
Institutional Customers	-	Total Inside Usage (MG)	101.398
Industrial Customers	-	Total Wholesale Sold (MG)	8.408
Wholesale Customers	2	Estimated Pct. Water Loss	25%
Total Distribution System Line Length = 136.25 miles (Distribution: 136.25 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Gallatin County Water District

System Summary for Warsaw Water Works

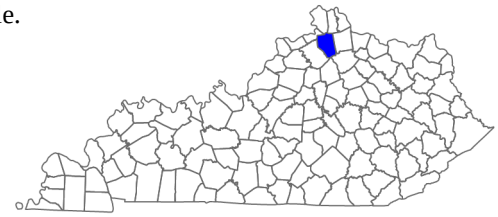
PWSID	KY0390444	Treats Water	Yes, 2 plants with total capacity of 2.880 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 4 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$14.00 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$14.00 per 4,000 gallons.	Total Connections	700
Residential Customers	680	Total Produced (MG)	165.000
Commercial Customers	120	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	141.200
Industrial Customers	1	Total Wholesale Sold (MG)	6.029
Wholesale Customers	1	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 16.85 miles (Distribution: 16.01 miles, Transmission: 0.84 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Warsaw Water Works

Grant County

- 2010 census population of 24,662 (9,942 households) with 99% serviceable.
- Projected 2020 population of 26,917 (change of 2,255).
- Grant County has 429.36 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 21.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $62,362,663.
- Estimated funding needs for projects from 6 to 10 years: $872,000.



Grant County has a 2010 census population count of 24,662 (9,942 households) with a projected 2020 population count of 26,917 (9,870 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 38 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 44,472 instances of improved service through the rehabilitation of 21.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bullock Pen Water District	10	$10,838,390	19	35,820	8.00	19.00	2.00
City of Dry Ridge	4	$1,402,935	-	3,479	-	-	-
City of Williamstown	3	$31,947,782	3	3,901	1.00	2.00	1.00
Corinth Water District	3	$906,372	15	1,272	8.00	-	-
Owen County Fiscal Court	1	$3,099,184	-	-	-	-	-
Pendleton County Fiscal Court	1	$15,040,000	1	-	1.00	-	-
Totals:	**22**	**$63,234,663**	**38**	**44,472**	**18.00**	**21.00**	**3.00**

Community Drinking Water Systems in Grant County

Note: Serviceability counts are for households within Grant county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0410047	Bullock Pen Water District	Grant	14,560	5,677
KY0410662	Corinth Water District	Grant	2,820	1,233
KY0410107	Dry Ridge Water Works Commission	Grant	2,041	813
KY0410472	Williamstown Municipal Water Department	Grant	4,604	1,970
KY0340250	Kentucky-American Water Company	Fayette	150	60
KY0390130	Gallatin County Water District	Gallatin	122	47
		Totals:	24,297	9,800

Kentucky Infrastructure Authority
January 04, 2019

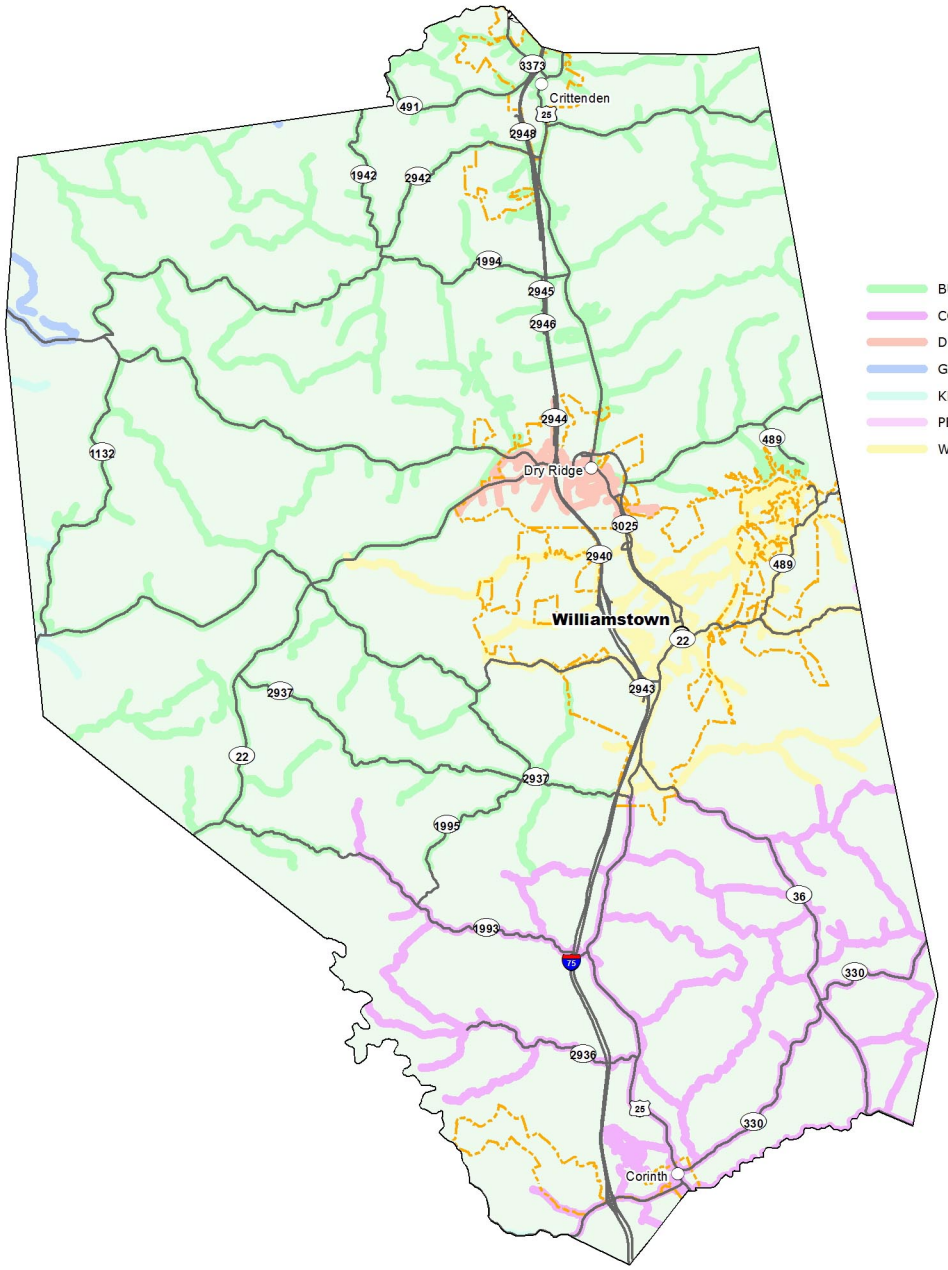
WATER SERVICE AREAS
GRANT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- BULLOCK PEN WATER DISTRICT
- CORINTH WATER DISTRICT
- DRY RIDGE WATER WORKS COMMISSION
- GALLATIN COUNTY WATER DISTRICT
- KENTUCKY-AMERICAN WATER COMPANY - NORTHERN DIVISION
- PENDLETON COUNTY WATER DISTRICT #1 NORTH
- WILLIAMSTOWN MUNICIPAL WATER DEPARTMENT

System Summary for Bullock Pen Water District

PWSID	KY0410047	Treats Water	Yes, 1 plant with total capacity of 1.080 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	15	Wholesale Purchaser	Yes, from 6 providers.
Non-Municipal Cost	$45.71 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	7,080
Residential Customers	6,663	Total Produced (MG)	178.097
Commercial Customers	428	Total Purchased (MG)	365.502
Institutional Customers	-	Total Inside Usage (MG)	474.217
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 307.04 miles (Distribution: 299.63 miles, Transmission: 7.41 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bullock Pen Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$9,450,000	Kenton	1	1
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Partially Funded	$5,100,000	Kenton		
WX21081007	Bullock Pen Improvements Phase 15	0-2 Years	Not Funded	$3,121,000	Grant		
WX21081003	Bullock Pen Improvements Phase 13	0-2 Years	Not Funded	$1,585,200	Grant		
WX21015006	Bullock Pen Water District - Boone County Master Meter and Improvements	0-2 Years	Not Funded	$1,549,600	Boone		
WX21081303	Bullock Pen - Dry Ridge-Mt. Zion Rd. Water Line Replacement	3-5 Years	Not Funded	$1,343,900	Grant		
WX21081314	Bullock Pen Water District - Sherman Mt. Zion Water Line Replacement	3-5 Years	Not Funded	$1,122,000	Grant		
WX21081315	Bullock Pen Water District - Gardnersville Tank	3-5 Years	Not Funded	$900,000	Grant		
WX21081312	Bullock Pen - Southwest Water Storage Tank	6-10 Years	Not Funded	$872,000	Grant		
WX21081006	BPWD Looped Water Lines, Phase 14	0-2 Years	Partially Funded	$869,600	Grant		
WX21081306	Bullock Pen - Phase II Water System Improvements	3-5 Years	Not Funded	$560,380	Grant		
WX21081316	Bullock Pen - Golds Valley Water Line - Owen County	3-5 Years	Not Funded	$477,700	Owen		
WX21081008	Bullock Pen Water District Teal Road Water Line Project	0-2 Years	Not Funded	$369,310	Grant		
WX21081305	Bullock Pen - Raw Water Intake	0-2 Years	Not Funded	$95,000	Grant		

System Summary for Corinth Water District

PWSID	KY0410662	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$56.81 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,263
Residential Customers	1,115	Total Produced (MG)	-
Commercial Customers	356	Total Purchased (MG)	75.716
Institutional Customers	-	Total Inside Usage (MG)	63.023
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 102.43 miles (Distribution: 102.32 miles, Transmission: 0.11 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Corinth Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21081701	Corinth - Phase VI Water System Extensions	3-5 Years	Not Funded	$606,372	Grant		
WX21081702	Corinth WD - Water System Upgrade / Autoread Meter System	3-5 Years	Not Funded	$200,000	Grant		
WX21081002	2012 Water System Improvements	0-2 Years	Not Funded	$100,000	Grant		

System Summary for Dry Ridge Water Works Commission

PWSID	KY0410107	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$47.84 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	839
Residential Customers	799	Total Produced (MG)	-
Commercial Customers	116	Total Purchased (MG)	84.000
Institutional Customers	-	Total Inside Usage (MG)	73.500
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 24.08 miles (Distribution: 24.08 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Dry Ridge Water Works Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21081005	City of Dry Ridge 200,000 Gallon Elevated Tank	0-2 Years	Not Funded	$785,735	Grant		
WX21081204	City of Dry Ridge - 2008 Water System Improvements	3-5 Years	Not Funded	$267,000	Grant		
WX21081004	City of Dry Ridge Automated Meter Reading Project	0-2 Years	Not Funded	$190,200	Grant		
WX21081501	Dry Ridge Booster Pump Upgrade	3-5 Years	Not Funded	$160,000	Grant		

System Summary for Williamstown Municipal Water Department

PWSID	KY0410472	Treats Water	Yes, 1 plant with total capacity of 2.250 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$24.08 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$59.48 per 4,000 gallons.	Total Connections	1,830
Residential Customers	1,698	Total Produced (MG)	493.000
Commercial Customers	125	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	225.136
Industrial Customers	9	Total Wholesale Sold (MG)	235.758
Wholesale Customers	4	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 73.86 miles (Distribution: 72.59 miles, Transmission: 1.27 miles).			

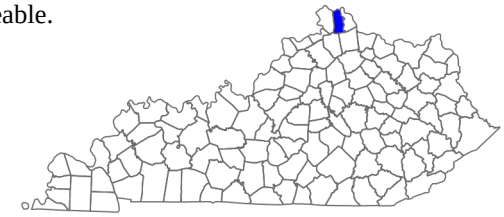
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Williamstown Municipal Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21081001	Williamstown - New Water Treatment Plant	0-2 Years	Partially Funded	$17,249,165	Grant		
WX21081016	Williamstown Water Treatment Plant Upgrade	3-5 Years	Not Funded	$12,837,000	Grant		
WX21081019	City of Williamstown - US 25 North Waterline Replacement Project	0-2 Years	Partially Funded	$1,861,617	Grant		

Kenton County

- 2010 census population of 159,720 (68,975 households) with 98% serviceable.
- Projected 2020 population of 168,458 (change of 8,738).
- Kenton County has 785.48 miles of existing water lines.
- 81.00 miles of line extensions proposed in the next 10 years.
- 8.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $36,517,221.
- Estimated funding needs for projects from 6 to 10 years: $15,606,592.



Kenton County has a 2010 census population count of 159,720 (68,975 households) with a projected 2020 population count of 168,458 (68,111 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 667 serviceable households will be added through the construction of 81.00 miles of water line extensions and approximately 166,159 instances of improved service through the rehabilitation of 8.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bullock Pen Water District	2	$4,706,200	11	-	3.00	-	-
City of Florence	1	$600,000	-	31	-	-	-
Kenton County Fiscal Court	1	$3,399,336	135	-	7.00	-	-
Northern Kentucky Water District	10	$43,418,277	521	166,128	71.00	8.00	1.00
Totals:	**14**	**$52,123,813**	**667**	**166,159**	**81.00**	**8.00**	**1.00**

Community Drinking Water Systems in Kenton County

Note: Serviceability counts are for households within Kenton county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0590220	Northern Kentucky Water District	Kenton	154,937	66,973
KY0080034	Boone County Water District	Boone	178	69
KY0080135	Florence Water & Sewer Commission	Boone	775	316
KY0080442	Walton Waterworks Department	Boone	43	22
KY0410047	Bullock Pen Water District	Grant	996	386
		Totals:	156,929	67,766

Kentucky Infrastructure Authority
January 04, 2019

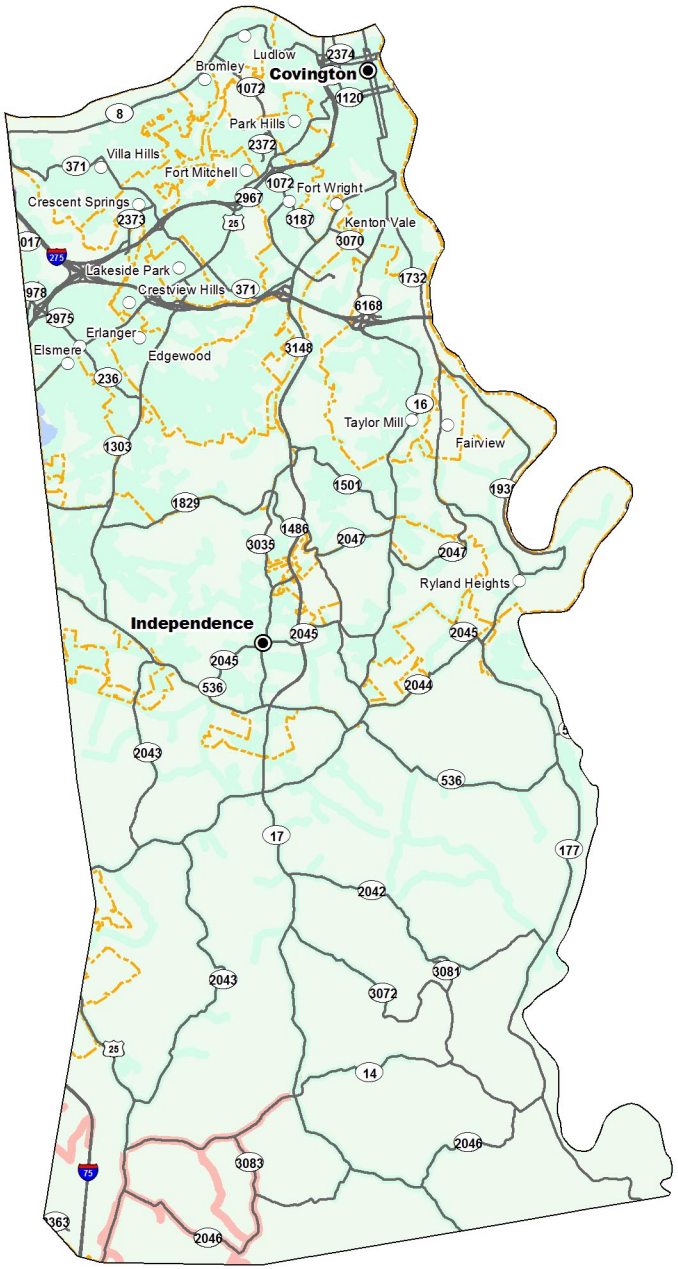
WATER SERVICE AREAS
KENTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



N

WATER SERVICE BY OWNER

- BOONE COUNTY WATER & SEWER DISTRICT
- BULLOCK PEN WATER DISTRICT
- FLORENCE WATER & SEWER COMMISSION
- NORTHERN KENTUCKY WATER DISTRICT

System Summary for Northern Kentucky Water District

PWSID	KY0590220	Treats Water	Yes, 3 plants with total capacity of 64.500 MGD.
System Type	Community	Surface Source	Yes, 3 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	148	Wholesale Purchaser	No
Non-Municipal Cost	$24.22 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 20 tanks with total capacity of 23.000 MG.
Outside Mun. Cost	-	Total Connections	80,364
Residential Customers	73,942	Total Produced (MG)	9,754.696
Commercial Customers	4,165	Total Purchased (MG)	-
Institutional Customers	490	Total Inside Usage (MG)	7,816.974
Industrial Customers	109	Total Wholesale Sold (MG)	468.958
Wholesale Customers	4	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 1,288.98 miles (Distribution: 1,250.41 miles, Transmission: 38.57 miles).

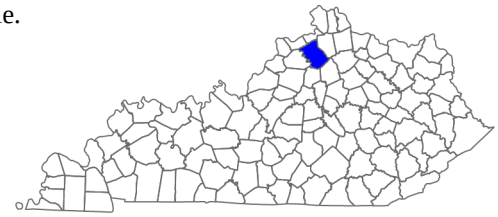
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Northern Kentucky Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$9,450,000	Kenton	1	1
WX21037311	NKWD - Newport/Bellevue/Dayton Water Main Replacement Project	0-2 Years	Not Funded	$5,915,000	Campbell	5	2
WX21117212	NKWD - Covington Water Main Replacement Project	0-2 Years	Not Funded	$6,500,000	Kenton	8	20
WX21037310	NKWD - Campbell County Unserved and Underserved Project 2012 - Subdistrict J	0-2 Years	Not Funded	$6,378,135	Campbell	10	3
WX21117303	NKWD - Kenton County Unserved Water Project 2013 (Subdistrict O)	0-2 Years	Not Funded	$4,926,768	Kenton	11	30
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Partially Funded	$5,100,000	Kenton		
WX21037554	NKWD - Subdistrict S Waterline Extension	6-10 Years	Not Funded	$4,102,560	Campbell		
WX21117304	NKWD - Subdistrict Q Waterline Extension	6-10 Years	Not Funded	$3,939,936	Kenton		
WX21037308	NKWD - Subdistrict U Waterline Extension	6-10 Years	Not Funded	$3,799,488	Campbell		
WX21117650	NKWD - Subdistrict T Waterline Extension	6-10 Years	Not Funded	$3,797,724	Kenton		
WX21037555	NKWD - Subdistrict X Waterline Extension	6-10 Years	Not Funded	$3,792,096	Campbell		
WX21037557	NKWD - Subdistrict W Waterline Extension	6-10 Years	Not Funded	$3,696,000	Campbell		
WX21117307	NKWD - Subdistrict V Waterline Extension	6-10 Years	Not Funded	$3,582,865	Kenton		
WX21037305	NKWD - Subdistrict P Waterline Extension	6-10 Years	Not Funded	$3,531,328	Campbell		
WX21117211	NKWD - Kenton County Unserved Water Project 2012 (Subdistrict M)	0-2 Years	Partially Funded	$3,399,336	Kenton		
WX21037306	NKWD - Subdistrict N Waterline Extension	3-5 Years	Not Funded	$2,975,280	Campbell		
WX21117301	NKWD - Subdistrict AA Waterline Extension	6-10 Years	Not Funded	$2,582,211	Kenton		
WX21037551	NKWD - Subdistrict L Waterline Extension	3-5 Years	Not Funded	$2,535,456	Campbell		

Owen County

- 2010 census population of 10,841 (5,634 households) with 86% serviceable.
- Projected 2020 population of 11,336 (change of 495).
- Owen County has 339.59 miles of existing water lines.
- 112.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,893,318.
- There are no projects planned from 6 to 10 years.



Owen County has a 2010 census population count of 10,841 (5,634 households) with a projected 2020 population count of 11,336 (4,713 households). Public water is currently available to approximately 86 percent of the county's households based on 2010 census counts. Over the next ten years approximately 694 serviceable households will be added through the construction of 112.00 miles of water line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bullock Pen Water District	1	$477,700	20	-	1.00	-	-
City of Owenton	1	$827,724	55	-	10.00	-	-
Owen County Fiscal Court	3	$10,899,184	579	-	91.00	-	-
Peaks Mill Water District	1	$1,688,710	40	-	10.00	-	-
Totals:	**6**	**$13,893,318**	**694**	**-**	**112.00**	**-**	**-**

Community Drinking Water Systems in Owen County

Note: Serviceability counts are for households within Owen county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0210066	Carroll County Water District #1	Carroll	1,221	740
KY0340250	Kentucky-American Water Company	Fayette	8,128	4,032
KY0370346	Peaks Mill Water District	Franklin	123	67
		Totals:	9,472	4,839

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
OWEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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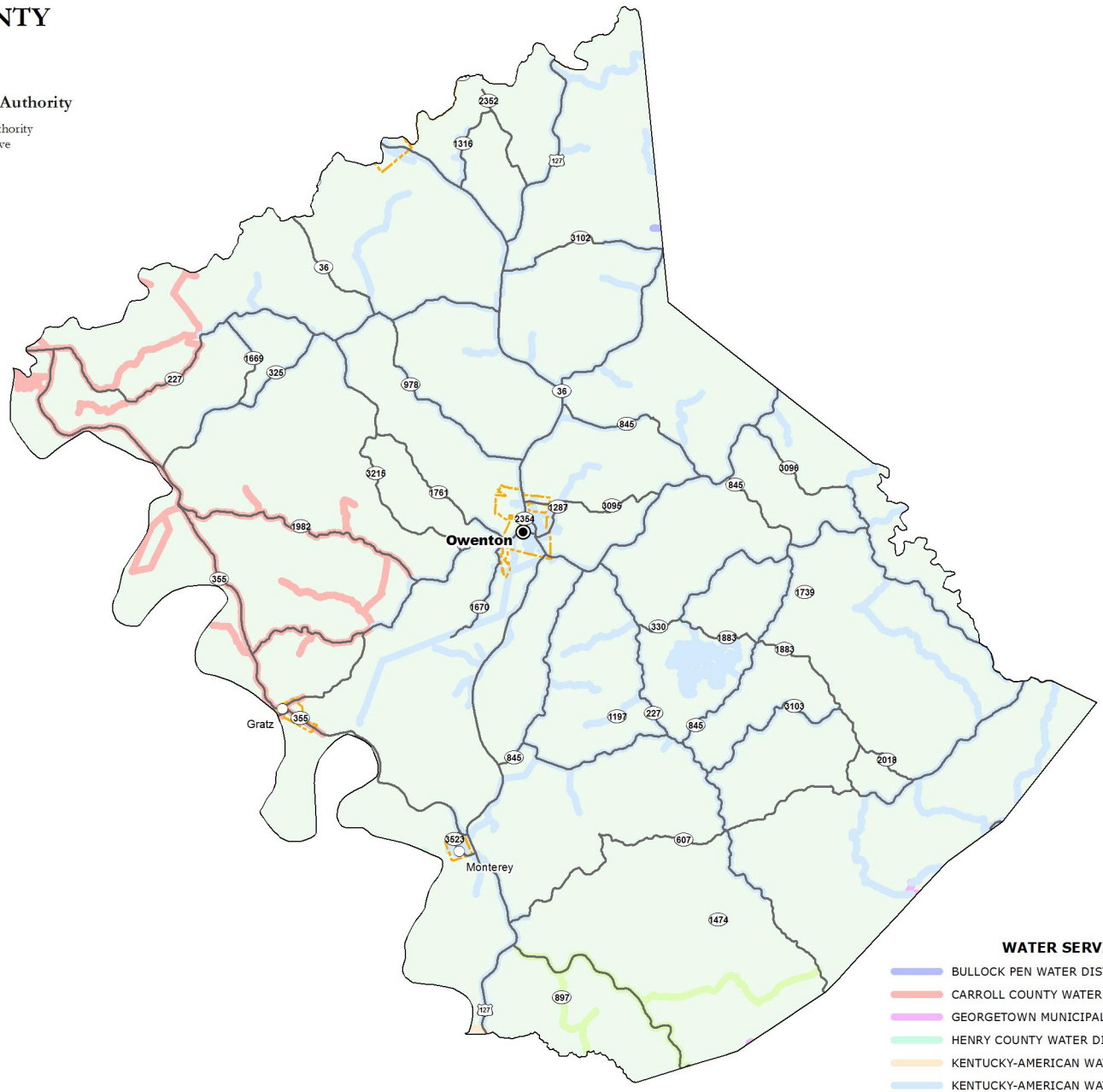
Water Resource Information System

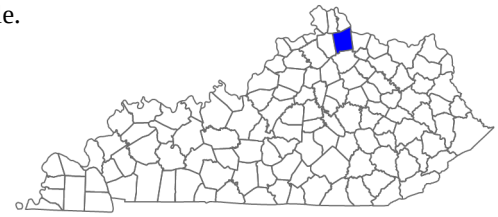


WATER SERVICE BY OWNER

- BULLOCK PEN WATER DISTRICT
- CARROLL COUNTY WATER DISTRICT #1
- GEORGETOWN MUNICIPAL WATER & SEWER SERVICE
- HENRY COUNTY WATER DISTRICT #2
- KENTUCKY-AMERICAN WATER COMPANY
- KENTUCKY-AMERICAN WATER COMPANY - NORTHERN DIVISION
- PEAKS MILL WATER DISTRICT

Pendleton County

- 2010 census population of 14,877 (6,339 households) with 92% serviceable.
- Projected 2020 population of 15,387 (change of 510).
- Pendleton County has 357.18 miles of existing water lines.
- 129.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $23,809,709.
- There are no projects planned from 6 to 10 years.



Pendleton County has a 2010 census population count of 14,877 (6,339 households) with a projected 2020 population count of 15,387 (5,987 households). Public water is currently available to approximately 92 percent of the county's households based on 2010 census counts. Over the next ten years approximately 313 serviceable households will be added through the construction of 129.00 miles of water line extensions and approximately 5,026 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bullock Pen Water District	1	$3,121,000	16	26	1.00	2.00	-
City of Falmouth	1	$548,709	-	5,000	-	-	-
Northern Kentucky Water District	1	$5,100,000	-	-	-	-	-
Pendleton County Fiscal Court	1	$15,040,000	297	-	128.00	-	-
Totals:	**4**	**$23,809,709**	**313**	**5,026**	**129.00**	**2.00**	**-**

Community Drinking Water Systems in Pendleton County

Note: Serviceability counts are for households within Pendleton county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0960051	Butler Water Works	Pendleton	617	284
KY0960112	East Pendleton Water District	Pendleton	4,846	2,072
KY0960126	Falmouth Water Department	Pendleton	2,568	1,179
KY0960348	Pendleton County Water District #1 North	Pendleton	3,598	1,490
KY0960499	Pendleton County Water District #1 South	Pendleton	1,386	569
KY0120039	Bracken County Water District	Bracken	79	41
KY0410047	Bullock Pen Water District	Grant	412	132
KY0490179	Harrison County Water Association	Harrison	105	33
		Totals:	13,611	5,800

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
PENDLETON COUNTY
Kentucky

Prepared By:
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Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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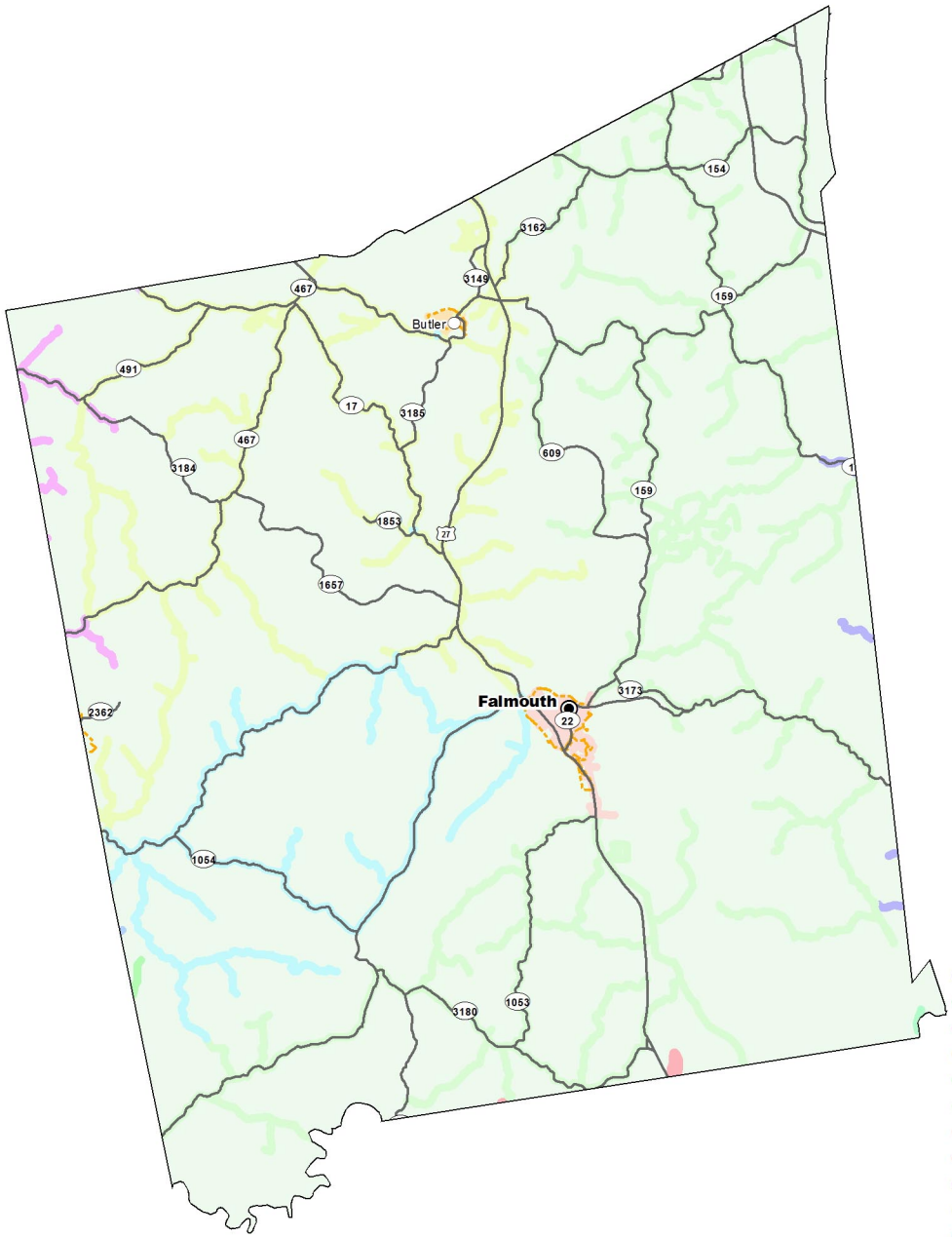
Water Resource Information System



WATER SERVICE BY OWNER

- BRACKEN COUNTY WATER DISTRICT
- BUFFALO TRAIL WATER ASSOCIATION
- BULLOCK PEN WATER DISTRICT
- BUTLER WATER WORKS
- CORINTH WATER DISTRICT
- EAST PENDLETON WATER DISTRICT
- FALMOUTH WATER DEPARTMENT
- HARRISON COUNTY WATER ASSOCIATION
- NORTHERN KENTUCKY WATER DISTRICT
- PENDLETON COUNTY WATER DISTRICT #1 NORTH
- PENDLETON COUNTY WATER DISTRICT #1 SOUTH
- WILLIAMSTOWN MUNICIPAL WATER DEPARTMENT

System Summary for Butler Water Works

PWSID	KY0960051	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$34.82 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	332
Residential Customers	325	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	19.600
Institutional Customers	-	Total Inside Usage (MG)	17.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 3.82 miles (Distribution: 3.82 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Butler Water Works

System Summary for East Pendleton Water District

PWSID	KY0960112	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$46.41 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,099
Residential Customers	2,075	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	108.334
Institutional Customers	-	Total Inside Usage (MG)	93.016
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 173.71 miles (Distribution: 171.19 miles, Transmission: 2.52 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for East Pendleton Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	23	5
WX21191507	Pendleton County - Fy 2008 Water Projects Phase I	0-2 Years	Partially Funded	$15,040,000	Pendleton		

System Summary for Falmouth Water Department

PWSID	KY0960126	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$27.09 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$27.09 per 4,000 gallons.	Total Connections	1,160
Residential Customers	1,110	Total Produced (MG)	340.000
Commercial Customers	47	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	86.550
Industrial Customers	3	Total Wholesale Sold (MG)	175.868
Wholesale Customers	2	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 20.90 miles (Distribution: 20.87 miles, Transmission: 0.03 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Falmouth Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21191003	Water Storage Reservoir Repair and Roof Replacement	0-2 Years	Not Funded	$548,709	Pendleton	4	1

System Summary for Pendleton County Water District #1 North

PWSID	KY0960348	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$42.07 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,255
Residential Customers	2,148	Total Produced (MG)	-
Commercial Customers	105	Total Purchased (MG)	153.918
Institutional Customers	-	Total Inside Usage (MG)	117.832
Industrial Customers	8	Total Wholesale Sold (MG)	19.600
Wholesale Customers	1	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 114.97 miles (Distribution: 114.97 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Pendleton County Water District #1 North

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$9,450,000	Kenton	1	1
WX21191507	Pendleton County - Fy 2008 Water Projects Phase I	0-2 Years	Partially Funded	$15,040,000	Pendleton		
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Partially Funded	$5,100,000	Kenton		

System Summary for Pendleton County Water District #1 South

PWSID	KY0960499	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,250
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	

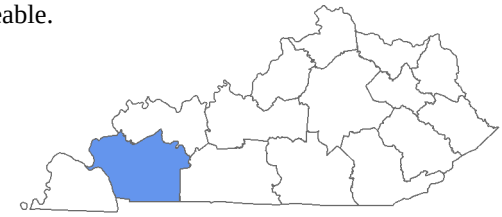
Total Distribution System Line Length = 49.06 miles (Distribution: 40.19 miles, Transmission: 8.87 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Pendleton County Water District #1 South

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$9,450,000	Kenton	1	1
WX21191507	Pendleton County - Fy 2008 Water Projects Phase I	0-2 Years	Partially Funded	$15,040,000	Pendleton		
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Partially Funded	$5,100,000	Kenton		

Pennyrile Area Development District (PEADD)



- 2010 census population of 219,305 (97,910 households) with 96% serviceable.
- Projected 2020 population of 226,580 (change of 7,275).
- 5,268.10 miles of existing water lines.
- 172.00 miles of line extensions proposed in the next 10 years.
- 124.00 miles of line rehabilitation proposed in the next 10 years.
- 11.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $230,190,107.
- Estimated funding needs for projects from 6 to 10 years: $18,427,372.
- Average age of structures: water treatment plants is 46 years; water tanks is 31 years.
- Total number of interconnected systems is 56.
- 849 miles of asbestos concrete pipe currently in use.
- 754 miles of water lines less than 15 years old.
- 478 miles of water lines between 15 and 30 years old.
- 1,623 miles of water lines between 31 and 50 years old.
- 1,962 miles of water lines between 51 and 70 years old.
- 529 miles of water lines greater than 70 years old.

Pennyrile Area Development District has a 2010 census population count of 219,305 (97,910 households) with a projected 2020 population count of 226,580 (89,133 households). Public water is currently available to approximately 96 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,674 serviceable households will be added through the construction of 172.00 miles of water line extensions and approximately 101,948 instances of improved service through the rehabilitation of 124.00 miles of existing water lines and other appurtenances. 11.00 miles of transmission lines are also proposed within this district.

County Summary for Pennyrile Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Caldwell	12,984	6,292	12,948	5,518	6,222	99%	$ 12,045,299
Christian	73,955	29,459	77,840	28,340	26,632	90%	$ 57,776,590
Crittenden	9,315	4,569	9,156	3,775	4,336	95%	$ 3,010,000
Hopkins	46,920	21,180	48,007	19,684	20,780	98%	$ 16,411,717
Livingston	9,519	4,824	9,438	4,074	4,654	97%	$ 5,636,925
Lyon	8,314	4,791	8,523	3,430	4,704	98%	$ 5,984,415
Muhlenberg	31,499	13,699	31,466	12,337	13,415	98%	$ 18,159,632
Todd	12,460	5,286	12,958	4,989	5,163	98%	$ 114,197,000
Trigg	14,339	7,810	16,244	6,986	7,646	98%	$ 15,395,901
Totals	**219,305**	**97,910**	**226,580**	**89,133**	**93,552**	**96%**	**$ 248,617,479**

Kentucky Infrastructure Authority
January 04, 2019

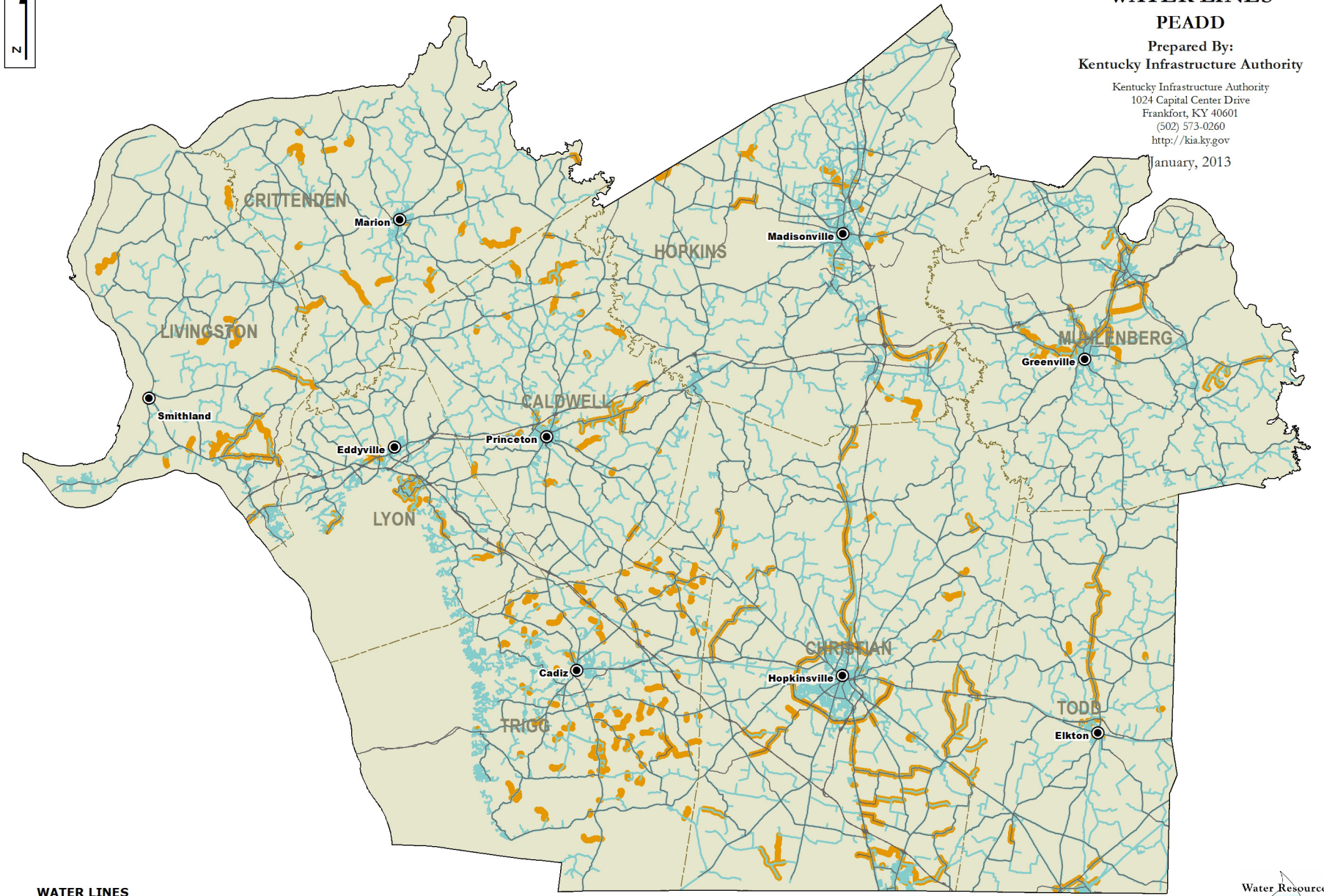
EXISTING & PROPOSED WATER LINES

PEADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



Community Water Systems in Pennyrile Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0170528	Caldwell County Water District	Caldwell	5,104	2,446
KY0170146	Fredonia Water Department	Caldwell	712	328
KY0170360	Princeton Water & Wastewater Commission	Caldwell	7,005	3,441
KY0240521	Christian County Water District	Christian	15,759	6,640
KY0240201	Hopkinsville Water Environment Authority	Christian	36,222	16,439
KY0240329	Oak Grove Water Department	Christian	8,050	3,556
KY0280267	Marion Water Department	Crittenden	3,048	1,496
KY0540958	Dawson Springs Water & Sewer System	Hopkins	2,647	1,255
KY0540108	Earlington Water & Sewer Department	Hopkins	1,459	731
KY0540656	Hanson Water System	Hopkins	1,159	456
KY0540936	Madisonville Municipal Utilities	Hopkins	21,918	10,224
KY0540269	Mortons Gap Water Department	Hopkins	862	399
KY0540977	Nebo Water District	Hopkins	3,771	1,550
KY0540138	North Hopkins Water District	Hopkins	3,110	1,311
KY0540328	Nortonville Water Department	Hopkins	2,130	912
KY0540406	South Hopkins Water District	Hopkins	7,144	3,215
KY0540465	White Plains Water Department	Hopkins	1,600	690
KY0700532	Crittenden-Livingston County Water District	Livingston	9,022	4,505
KY0700162	Grand Rivers Water System	Livingston	2,008	1,159
KY0700243	Ledbetter Water District	Livingston	2,729	1,211
KY0700380	Salem Municipal Water System	Livingston	749	359
KY0700401	Smithland Water & Sewer System	Livingston	495	261
KY0720113	Eddyville Water Department	Lyon	2,935	1,126
KY0720227	Kuttawa Water Department	Lyon	770	410
KY0720933	Lyon County Water District	Lyon	4,039	2,944
KY0890071	Central City Municipal Water & Sewer System	Muhlenberg	4,957	2,288
KY0890106	Drakesboro Water & Sewer	Muhlenberg	693	321
KY0890170	Greenville Utilities Commission	Muhlenberg	4,787	2,155
KY0890302	Muhlenberg County Water District #1	Muhlenberg	14,060	6,179
KY0890304	Muhlenberg County Water District #3	Muhlenberg	4,947	2,217
KY1100121	Elkton Utilities	Todd	2,155	949
KY1100171	Guthrie Water Works	Todd	1,448	654
KY1100944	Todd County Water District	Todd	8,797	3,946
KY1100428	Trenton Water Works	Todd	589	272
KY1110019	Barkley Lake Water District	Trigg	10,196	5,911
KY1110054	Cadiz Water & Sewer Commission	Trigg	4,028	1,854
		Totals:	201,104	93,810

Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107050	Mortons Gap Water System Improvement Project	0-2 Years	Not Funded	$1,670,000	Hopkins	1	1
WX21219036	LTRWC - Filter Addition, Plant & Meter Station Renovation Project	0-2 Years	Not Funded	$3,000,000	Todd	2	1
WX21143017	LCWD - Water System and Storage Tank Improvements Project	0-2 Years	Not Funded	$2,094,675	Lyon	3	1
WX21221016	McUpton Pump Station Replacement	0-2 Years	Not Funded	$850,000	Trigg	4	1
WX21107053	Grapevine Tank Replacement and Line Upgrades	0-2 Years	Not Funded	$1,531,641	Hopkins	5	2
WX21033021	Princeton - Water Line Improvements	0-2 Years	Not Funded	$1,426,000	Caldwell	6	1
WX21139027	Salem - Water Main Replacement Project	0-2 Years	Not Funded	$580,925	Livingston	7	1
WX21219033	Elkton - Water System Rehabilitation and Upgrade project	3-5 Years	Not Funded	$170,000	Todd	8	2
WX21177040	Broad Street Area Utility Upgrade Project - Phase 2A & 2B Water	0-2 Years	Not Funded	$297,000	Muhlenberg	9	1
WX21047035	Christian County Water District - Waterline Replacement & Extension	3-5 Years	Not Funded	$3,818,000	Christian	10	1
WX21107054	Nebo Tank Rehabilitation and AMR Project	0-2 Years	Not Funded	$590,000	Hopkins	11	3
WX21219032	Logan/Todd - 12" Waterline Upgrade (Elkton to Allender's Hill)	3-5 Years	Not Funded	$1,300,000	Todd	12	3
WX21139028	Grand Rivers - Waterline Replacement & Upgrades	0-2 Years	Not Funded	$105,000	Livingston	13	2
WX21107055	Hanson - Line Upgrades & Valve Installation Project	0-2 Years	Not Funded	$262,500	Hopkins	14	4
WX21177041	Drakesboro - AMR Project	0-2 Years	Not Funded	$210,000	Muhlenberg	15	2
WX21047036	Christian County Water District Princeton Road Tank & System Upgrade	3-5 Years	Not Funded	$1,750,000	Christian	16	2
WX21221009	Cadiz - IGA Water Tank Replacement	3-5 Years	Not Funded	$957,000	Trigg	17	2
WX21055014	Marion - Clearwell Rehabilitation Project	3-5 Years	Not Funded	$260,000	Crittenden	18	1
WX21107044	White Plains - Red Hill Road Ph. III Christian County Interconnect	3-5 Years	Fully Funded	$155,000	Hopkins	19	5
WX21047019	Oak Grove - Hugh Hunter Road Waterline Replacement	0-2 Years	Not Funded	$865,000	Christian	20	3
WX21139013	Grand Rivers - Waterline Replacement Project	3-5 Years	Not Funded	$850,000	Livingston	21	3
WX21221014	Barkley Lake Water District - Sludge Storage Lagoon Improvements	3-5 Years	Not Funded	$349,901	Trigg	22	3
WX21143018	Kuttawa - New Water Treatment Plant Project	3-5 Years	Not Funded	$550,000	Lyon	23	2
WX21047027	HWEA - Crofton Water Line Replacement	0-2 Years	Not Funded	$4,060,995	Christian	24	4
WX21033016	Caldwell County WD - Pump Station Upgrades	6-10 Years	Not Funded	$2,252,372	Caldwell	25	2
WX21221013	Cadiz - Line Rehabilitation - Will Jackson Road Hwy 778	3-5 Years	Not Funded	$962,500	Trigg	26	4
WX21055015	Marion - Tank Rehabilitation Project	3-5 Years	Not Funded	$680,000	Crittenden	27	2
WX21047004	HWEA - Crofton Water Main Extension Project	0-2 Years	Not Funded	$6,165,541	Christian	28	5
WX21221008	Barkley Lake Water District - Water Line Extension	3-5 Years	Not Funded	$3,850,000	Trigg	29	5
WX21177025	Muhlenberg County Water District #1 - Tank Rehabiliation Project	3-5 Years	Partially Funded	$922,885	Muhlenberg	30	3
WX21143012	City of Eddyville - Automated Meter Reading	3-5 Years	Not Funded	$260,000	Lyon	31	3
WX21033011	Caldwell County Water District - Radio Read Meters	3-5 Years	Not Funded	$725,000	Caldwell	32	3
WX21143011	City of Kuttawa - I-24 Water Storage Tank	3-5 Years	Not Funded	$700,000	Lyon	33	4
WX21055011	CLWD - Line Extensions (Crittenden)	3-5 Years	Not Funded	$975,000	Crittenden	34	3

Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107008	Madisonville Noel Av Line Replacement	3-5 Years	Not Funded	$587,600	Hopkins	35	6
WX21033012	Caldwell County Water District - Rd Debt Reduction	3-5 Years	Not Funded	$500,000	Caldwell	36	4
WX21139029	Ledbetter - Debt Reduction Project	3-5 Years	Not Funded	$1,000,000	Livingston	37	4
WX21219014	Trenton - Water System Improvements	3-5 Years	Not Funded	$400,000	Todd	38	4
WX21143015	Eddyville - New Clear Well Project	0-2 Years	Not Funded	$42,000	Lyon	39	5
WX21033018	Princeton - Tank Rehabilitation	3-5 Years	Not Funded	$300,000	Caldwell	40	5
WX21177023	Muhlenberg County Water District #1 - System Rehabilitation	3-5 Years	Not Funded	$584,397	Muhlenberg	41	4
WX21143016	Eddyville - Water Treatment Plant Rehabilitation Project	0-2 Years	Not Funded	$78,750	Lyon	42	6
WX21219024	Elkton - Water Storage Tank Improvements	3-5 Years	Not Funded	$200,000	Todd	43	5
WX21139018	Grand Rivers - Newbern Road Water Line Extension	3-5 Years	Not Funded	$175,000	Livingston	44	5
WX21139024	Ledbetter - Radio Read Meters	3-5 Years	Not Funded	$204,795	Livingston	45	6
WX21033013	Caldwell County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Caldwell	46	6
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	$643,500	Trigg	47	6
WX21055013	Marion - Sludge Basin Rehabilitation	3-5 Years	Not Funded	$375,000	Crittenden	48	4
WX21143013	City of Kuttawa - Automated Meter Reading System	3-5 Years	Not Funded	$150,000	Lyon	49	7
WX21033017	Fredonia - Tank Rehabilation	3-5 Years	Not Funded	$200,000	Caldwell	50	7
WX21107009	Madisonville Dozier Heights Waterline Replacement	3-5 Years	Not Funded	$354,413	Hopkins	51	7
WX21047003	HWEA Hopkinsville Water Main Extension Project	3-5 Years	Not Funded	$8,163,337	Christian	52	6
WX21055010	Marion - Emergency Standby Generators	3-5 Years	Not Funded	$500,000	Crittenden	53	5
WX21107031	Dawson Springs - Emergency Standby Generators	3-5 Years	Not Funded	$438,099	Hopkins	54	8
WX21219023	Logan-Todd Rwc/Guthrie - Clarksville, Tn Interconnection	6-10 Years	Not Funded	$13,000,000	Todd	55	6
WX21107033	South Hopkins Water District - Emercency Standby Generators	3-5 Years	Not Funded	$566,989	Hopkins	56	9
WX21047029	HWEA - Hopkinsville Industrial Foundation Commerce Park West Loop	3-5 Years	Not Funded	$210,000	Christian	57	7
WX21139025	CLWD - Line Extensions (Livingston)	3-5 Years	Not Funded	$565,000	Livingston	58	7
WX21143004	Lyon County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	59	8
WX21047002	HWEA - Crofton 750K Tank & Water Main Replacement	0-2 Years	Not Funded	$2,545,000	Christian	60	8
WX21143005	Kuttawa - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	61	9
WX21047032	HWEA Water Meter Replacement and AMR	0-2 Years	Not Funded	$6,000,000	Christian	62	9
WX21107021	White Plains - US 62/Concord Ch. Rd. - MG Int. (P2)	6-10 Years	Not Funded	$210,000	Hopkins	63	10
WX21107029	White Plains - Concord Tank & Pump Station	3-5 Years	Not Funded	$770,000	Hopkins	64	11
WX21139023	Ledbetter - Paris Rd Main Extension	3-5 Years	Not Funded	$150,000	Livingston	65	8
WX21139022	Ledbetter - Holland Road Main Extension	3-5 Years	Not Funded	$300,000	Livingston	66	9
WX21139030	CLWD - Water Tank Rehabilitation Project	3-5 Years	Not Funded	$2,050,000	Livingston	67	10
WX21177042	Drakesboro - Broad St. Tank Rehab	0-2 Years	Not Funded	$157,500	Muhlenberg	68	5
WX21107051	Earlington Water Meter Replacement Project	0-2 Years	Not Funded	$31,500	Hopkins	69	12

Total Cost:	**$86,949,815**			

Caldwell County

- 2010 census population of 12,984 (6,292 households) with 99% serviceable.
- Projected 2020 population of 12,948 (change of -36).
- Caldwell County has 514.95 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,792,927.
- Estimated funding needs for projects from 6 to 10 years: $2,252,372.

Caldwell County has a 2010 census population count of 12,984 (6,292 households) with a projected 2020 population count of 12,948 (5,518 households). Public water is currently available to approximately 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 4 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 15,077 instances of improved service through the rehabilitation of 15.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Caldwell County Water District	6	$5,171,799	-	6,543	1.00	11.00	-
City of Fredonia	1	$200,000	-	340	-	-	-
Princeton Water & Wastewater Commission	4	$6,673,500	4	8,194	3.00	4.00	2.00
Totals:	**11**	**$12,045,299**	**4**	**15,077**	**4.00**	**15.00**	**2.00**

Community Drinking Water Systems in Caldwell County

Note: Serviceability counts are for households within Caldwell county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0170528	Caldwell County Water District	Caldwell	5,098	2,443
KY0170146	Fredonia Water Department	Caldwell	577	285
KY0170360	Princeton Water & Wastewater Commission	Caldwell	6,868	3,348
KY0540406	South Hopkins Water District	Hopkins	215	99
KY0720933	Lyon County Water District	Lyon	20	13
KY1110019	Barkley Lake Water District	Trigg	64	28
		Totals:	12,842	6,216

Kentucky Infrastructure Authority
January 04, 2019

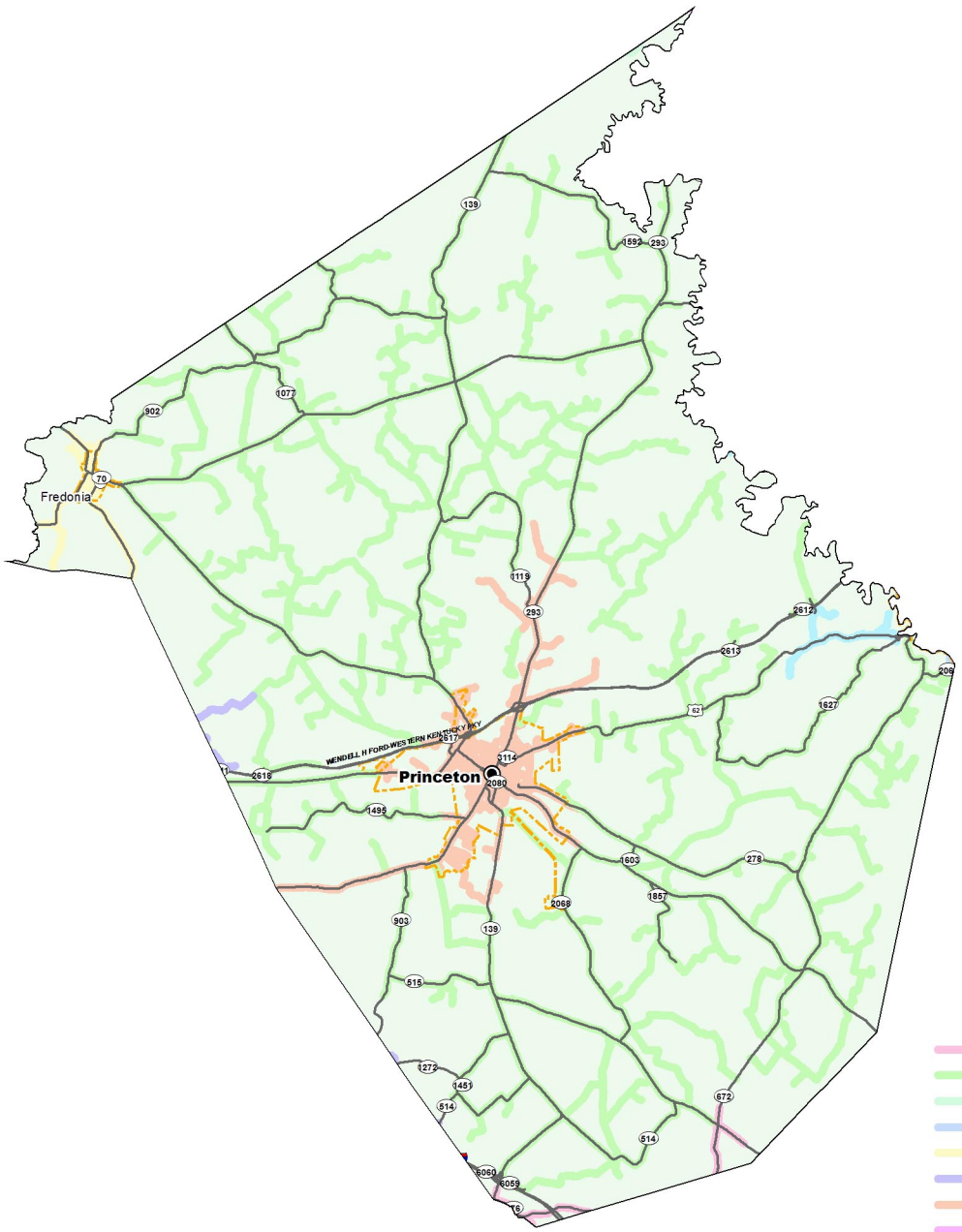
WATER SERVICE AREAS
CALDWELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Caldwell County Water District

PWSID	KY0170528	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$64.29 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,045
Residential Customers	2,002	Total Produced (MG)	-
Commercial Customers	12	Total Purchased (MG)	99.969
Institutional Customers	5	Total Inside Usage (MG)	86.340
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 399.19 miles (Distribution: 399.14 miles, Transmission: 0.05 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Caldwell County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21033016	Caldwell County WD - Pump Station Upgrades	6-10 Years	Not Funded	$2,252,372	Caldwell	25	2
WX21033011	Caldwell County Water District - Radio Read Meters	3-5 Years	Not Funded	$725,000	Caldwell	32	3
WX21033012	Caldwell County Water District - Rd Debt Reduction	3-5 Years	Not Funded	$500,000	Caldwell	36	4
WX21033013	Caldwell County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Caldwell	46	6
WX21033019	Caldwell County Water District - U.S. Hwy 62 Area Water System Improvements	3-5 Years	Not Funded	$1,456,561	Caldwell		
WX21033022	Highway 139 N Waterline Extension Project	0-2 Years	Not Funded	$137,866	Caldwell		

System Summary for Fredonia Water Department

PWSID	KY0170146	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$42.26 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$54.10 per 4,000 gallons.	Total Connections	329
Residential Customers	304	Total Produced (MG)	-
Commercial Customers	18	Total Purchased (MG)	18.287
Institutional Customers	-	Total Inside Usage (MG)	13.686
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 21.03 miles (Distribution: 21.03 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Fredonia Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21033017	Fredonia - Tank Rehabilation	3-5 Years	Not Funded	$200,000	Caldwell	50	7

System Summary for Princeton Water & Wastewater Commission

PWSID	KY0170360	Treats Water	Yes, 1 plant with total capacity of 3.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	15	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$20.40 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$35.70 per 4,000 gallons.	Total Connections	3,403
Residential Customers	2,875	Total Produced (MG)	485.892
Commercial Customers	525	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	212.054
Industrial Customers	-	Total Wholesale Sold (MG)	140.348
Wholesale Customers	3	Estimated Pct. Water Loss	27%

Total Distribution System Line Length = 91.96 miles (Distribution: 91.84 miles, Transmission: 0.12 miles).

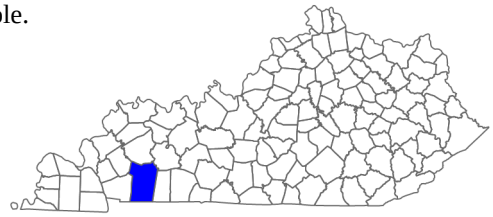
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Princeton Water & Wastewater Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21033021	Princeton - Water Line Improvements	0-2 Years	Not Funded	$1,426,000	Caldwell	6	1
WX21033018	Princeton - Tank Rehabilitation	3-5 Years	Not Funded	$300,000	Caldwell	40	5
WX21033020	Princeton - 2013 Water System Improvements	0-2 Years	Not Funded	$3,502,500	Caldwell		
WX21033015	Princeton - System Upgrade	3-5 Years	Not Funded	$1,445,000	Caldwell		

Christian County

- 2010 census population of 73,955 (29,459 households) with 90% serviceable.
- Projected 2020 population of 77,840 (change of 3,885).
- Christian County has 1,068.34 miles of existing water lines.
- 47.00 miles of line extensions proposed in the next 10 years.
- 57.00 miles of line rehabilitation proposed in the next 10 years.
- 8.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $57,776,590.
- There are no projects planned from 6 to 10 years.



Christian County has a 2010 census population count of 73,955 (29,459 households) with a projected 2020 population count of 77,840 (28,340 households). Public water is currently available to approximately 90 percent of the county's households based on 2010 census counts. Over the next ten years approximately 348 serviceable households will be added through the construction of 47.00 miles of water line extensions and approximately 37,161 instances of improved service through the rehabilitation of 57.00 miles of existing water lines and other appurtenances. 8.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Christian County Water District	5	$10,060,000	56	14,486	15.00	43.00	-
City of Oak Grove	3	$1,771,717	-	6,340	-	1.00	-
Hopkinsville Water Environment Authority	7	$36,444,873	292	16,335	32.00	13.00	-
Logan-Todd Regional Water Commission	2	$9,500,000	-	-	-	-	8.00
Totals:	**17**	**$57,776,590**	**348**	**37,161**	**47.00**	**57.00**	**8.00**

Community Drinking Water Systems in Christian County

Note: Serviceability counts are for households within Christian county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0240521	Christian County Water District	Christian	15,681	6,603
KY0240201	Hopkinsville Water Environment Authority	Christian	36,222	16,439
KY0240329	Oak Grove Water Department	Christian	8,050	3,556
KY1110019	Barkley Lake Water District	Trigg	47	18
		Totals:	60,000	26,616

Kentucky Infrastructure Authority
January 04, 2019

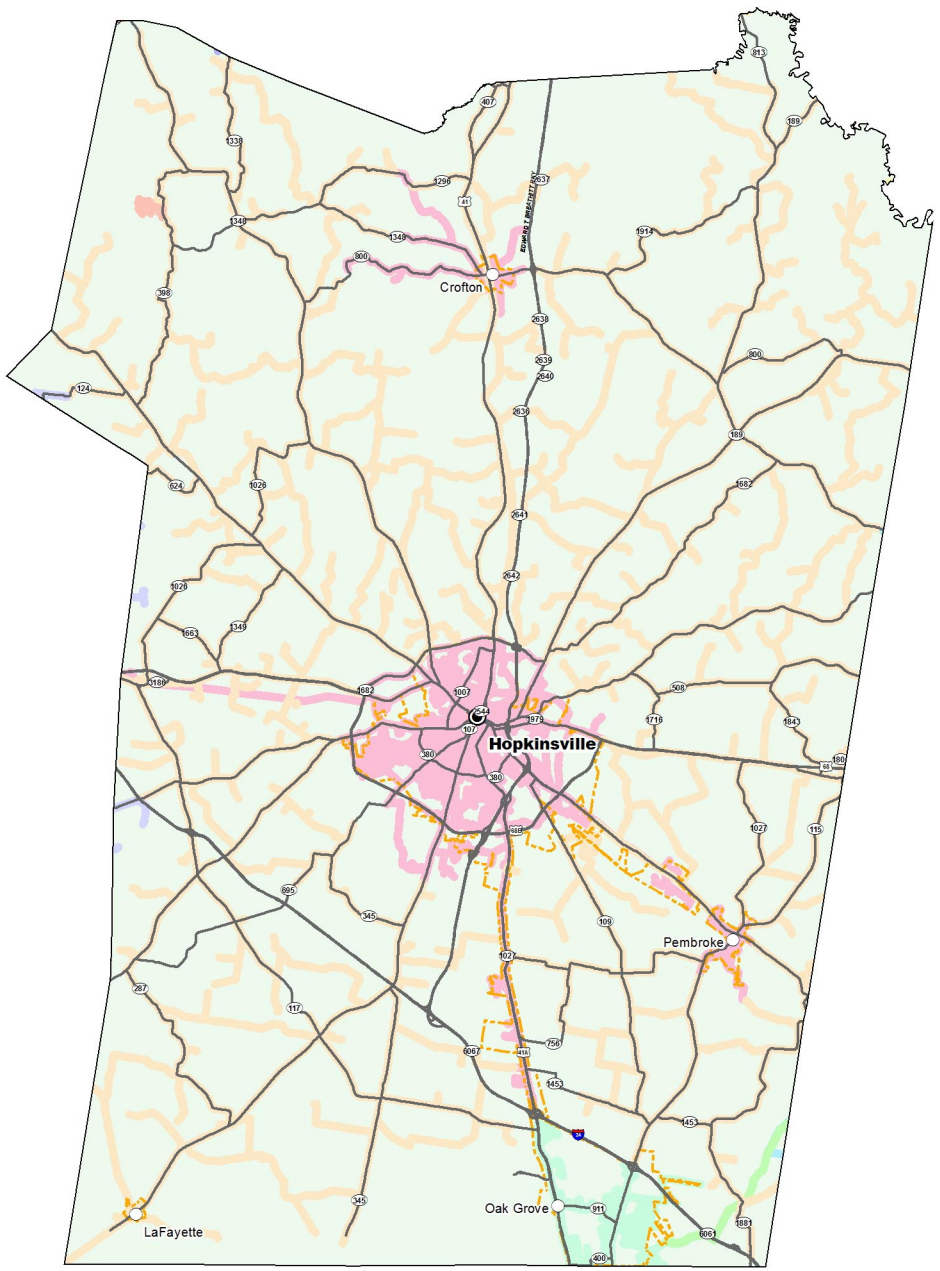
WATER SERVICE AREAS
CHRISTIAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BARKLEY LAKE WATER DISTRICT
- CHRISTIAN COUNTY WATER DISTRICT
- HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
- LOGAN/TODD REGIONAL WATER COMMISSION
- MUHLENBERG COUNTY WATER DISTRICT #1
- OAK GROVE WATER DEPARTMENT
- PENNYRILE FOREST STATE RESORT PARK
- SOUTH HOPKINS WATER DISTRICT
- TODD COUNTY WATER DISTRICT

System Summary for Christian County Water District

PWSID	KY0240521	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$45.75 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	6,006
Residential Customers	5,922	Total Produced (MG)	-
Commercial Customers	84	Total Purchased (MG)	476.689
Institutional Customers	-	Total Inside Usage (MG)	394.694
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 692.98 miles (Distribution: 692.98 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Christian County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21047035	Christian County Water District - Waterline Replacement & Extension	3-5 Years	Not Funded	$3,818,000	Christian	10	1
WX21047036	Christian County Water District Princeton Road Tank & System Upgrade	3-5 Years	Not Funded	$1,750,000	Christian	16	2
WX21047004	HWEA - Crofton Water Main Extension Project	0-2 Years	Not Funded	$6,165,541	Christian	28	5
WX21047038	Christian Count Water District - Phase VIII Upgrade Project	3-5 Years	Partially Funded	$2,500,000	Christian		
WX21047031	Christian County Water District - Waterline Extensions (10)	3-5 Years	Not Funded	$1,800,000	Christian		
WX21047033	Christian County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$192,000	Christian		

System Summary for Hopkinsville Water Environment Authority

PWSID	KY0240201	Treats Water	Yes, 1 plant with total capacity of 13.500 MGD.
System Type	Community	Surface Source	Yes, 3 sources.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	65	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$24.53 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$24.53 per 4,000 gallons.	Total Connections	15,559
Residential Customers	12,072	Total Produced (MG)	2,190.616
Commercial Customers	2,047	Total Purchased (MG)	-
Institutional Customers	152	Total Inside Usage (MG)	1,069.090
Industrial Customers	82	Total Wholesale Sold (MG)	414.700
Wholesale Customers	1	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 308.20 miles (Distribution: 281.54 miles, Transmission: 26.66 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hopkinsville Water Environment Authority

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21047027	HWEA - Crofton Water Line Replacement	0-2 Years	Not Funded	$4,060,995	Christian	24	4
WX21047004	HWEA - Crofton Water Main Extension Project	0-2 Years	Not Funded	$6,165,541	Christian	28	5
WX21047003	HWEA Hopkinsville Water Main Extension Project	3-5 Years	Not Funded	$8,163,337	Christian	52	6
WX21047029	HWEA - Hopkinsville Industrial Foundation Commerce Park West Loop	3-5 Years	Not Funded	$210,000	Christian	57	7
WX21047002	HWEA - Crofton 750K Tank & Water Main Replacement	0-2 Years	Not Funded	$2,545,000	Christian	60	8
WX21047032	HWEA Water Meter Replacement and AMR	0-2 Years	Not Funded	$6,000,000	Christian	62	9
WX21047013	HWEA US 41A Water Main Improvement, 2 MG Southpark Tank, Tank Rehabilitation	0-2 Years	Partially Funded	$9,300,000	Christian		

System Summary for Oak Grove Water Department

PWSID	KY0240329	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$32.00 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$32.00 per 4,000 gallons.	Total Connections	3,348
Residential Customers	3,165	Total Produced (MG)	-
Commercial Customers	167	Total Purchased (MG)	248.418
Institutional Customers	-	Total Inside Usage (MG)	156.374
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%

Total Distribution System Line Length = 69.45 miles (Distribution: 69.45 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Oak Grove Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21047019	Oak Grove - Hugh Hunter Road Waterline Replacement	0-2 Years	Not Funded	$865,000	Christian	20	3
WX21219031	LTRWC - Ft. Campbell Supplemental Water Supply Project	3-5 Years	Not Funded	$6,500,000	Todd		
WX21047023	Oak Grove - Water Meter Replacement Project	3-5 Years	Not Funded	$600,000	Christian		
WX21047039	Oak Grove South Water Tank Rehabilitation Project	0-2 Years	Partially Funded	$306,717	Christian		

Crittenden County

- 2010 census population of 9,315 (4,569 households) with 95% serviceable.
- Projected 2020 population of 9,156 (change of -159).
- Crittenden County has 404.42 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,010,000.
- There are no projects planned from 6 to 10 years.

Crittenden County has a 2010 census population count of 9,315 (4,569 households) with a projected 2020 population count of 9,156 (3,775 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 61 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 3,100 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Marion	2	$875,000	-	3,100	-	-	-
Crittenden-Livingston County Water District	2	$2,135,000	61	-	18.00	-	-
Totals:	**4**	**$3,010,000**	**61**	**3,100**	**18.00**	**-**	**-**

Community Drinking Water Systems in Crittenden County

Note: Serviceability counts are for households within Crittenden county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0280267	Marion Water Department	Crittenden	3,048	1,496
KY0700532	Crittenden-Livingston County Water District	Livingston	5,814	2,838
		Totals:	8,862	4,334

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
CRITTENDEN COUNTY
Kentucky

Prepared By:
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Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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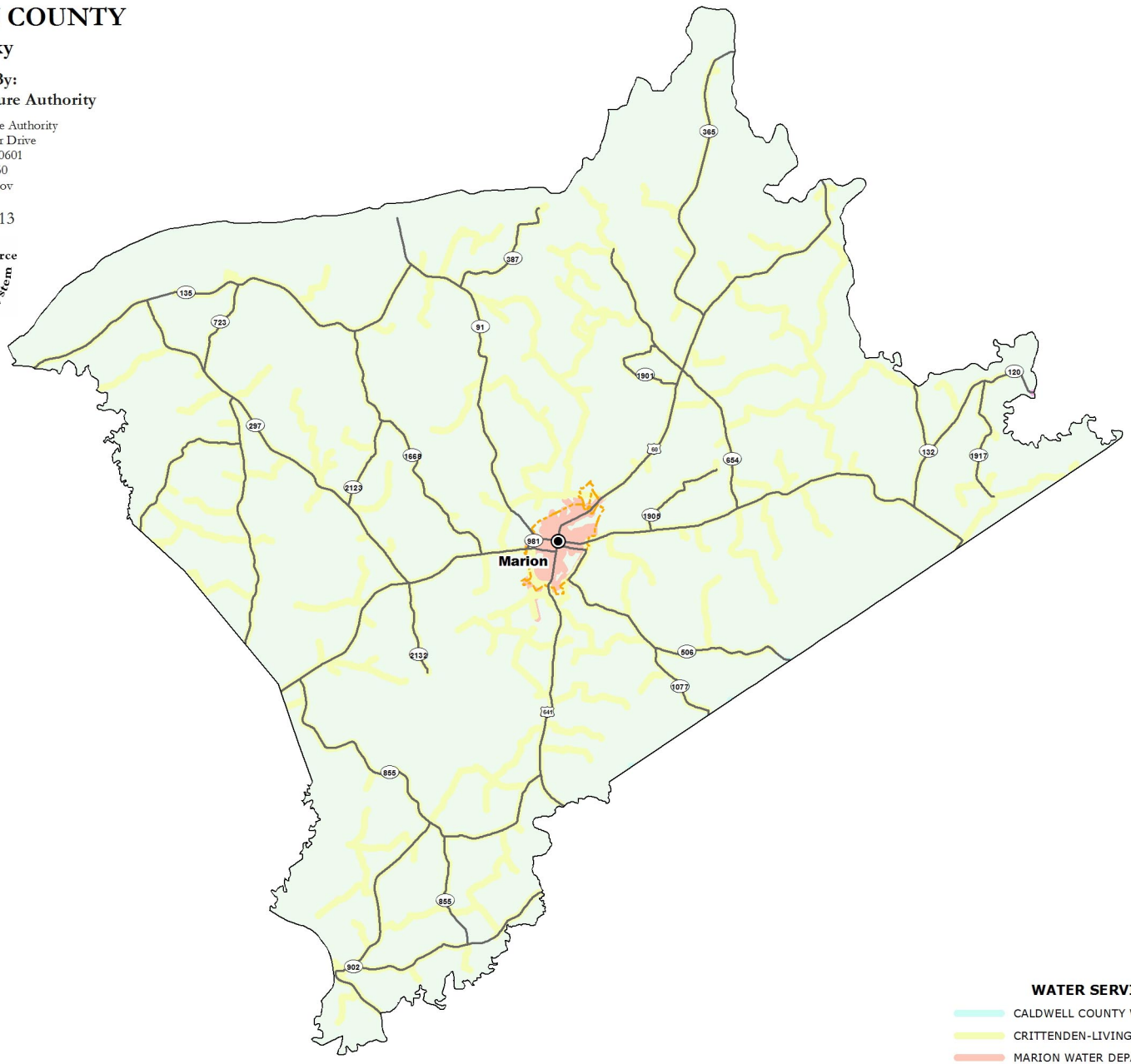
Water Resource Information System



WATER SERVICE BY OWNER

- CALDWELL COUNTY WATER DISTRICT
- CRITTENDEN-LIVINGSTON COUNTY WATER DISTRICT
- MARION WATER DEPARTMENT
- WEBSTER COUNTY WATER DISTRICT

System Summary for Marion Water Department

PWSID	KY0280267	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$36.73 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$36.73 per 4,000 gallons.	Total Connections	1,523
Residential Customers	1,268	Total Produced (MG)	137.210
Commercial Customers	185	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	91.800
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%
Total Distribution System Line Length = 41.53 miles (Distribution: 40.71 miles, Transmission: 0.82 miles).			

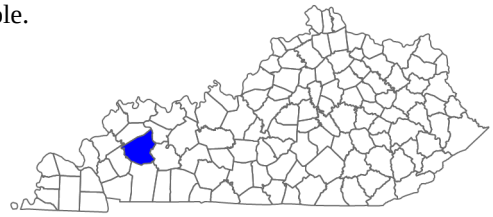
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Marion Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21055013	Marion - Sludge Basin Rehabilitation	3-5 Years	Not Funded	$375,000	Crittenden	48	4
WX21055010	Marion - Emergency Standby Generators	3-5 Years	Not Funded	$500,000	Crittenden	53	5
WX21139026	Crittenden-Livingston Water District - Distribution Upgrade	3-5 Years	Not Funded	$1,160,000	Livingston		

Hopkins County

- 2010 census population of 46,920 (21,180 households) with 98% serviceable.
- Projected 2020 population of 48,007 (change of 1,087).
- Hopkins County has 837.97 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,236,717.
- Estimated funding needs for projects from 6 to 10 years: $3,175,000.



Hopkins County has a 2010 census population count of 46,920 (21,180 households) with a projected 2020 population count of 48,007 (19,684 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 439 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 12,582 instances of improved service through the rehabilitation of 12.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Dawson Springs	1	$438,099	-	-	-	-	-
City of Earlington	2	$81,500	-	570	-	-	-
City of Madisonville	4	$3,578,202	429	2,078	4.00	3.00	-
City of Mortons Gap	3	$2,540,000	-	700	-	-	-
City of Providence	1	$2,000,000	-	5	-	1.00	-
City of White Plains	4	$2,615,000	1	3,852	2.00	8.00	-
Nebo Water District	2	$696,282	9	1,577	3.00	-	-
North Hopkins Water District	1	$1,140,000	-	-	1.00	-	-
South Hopkins Water District	3	$3,322,634	-	3,800	3.00	-	-
Totals:	**21**	**$16,411,717**	**439**	**12,582**	**13.00**	**12.00**	**-**

Community Drinking Water Systems in Hopkins County

Note: Serviceability counts are for households within Hopkins county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0540958	Dawson Springs Water & Sewer System	Hopkins	2,639	1,251
KY0540108	Earlington Water & Sewer Department	Hopkins	1,459	731
KY0540656	Hanson Water System	Hopkins	1,159	456
KY0540936	Madisonville Municipal Utilities	Hopkins	21,918	10,224
KY0540269	Mortons Gap Water Department	Hopkins	862	399
KY0540977	Nebo Water District	Hopkins	3,768	1,548
KY0540138	North Hopkins Water District	Hopkins	3,110	1,311
KY0540328	Nortonville Water Department	Hopkins	2,130	912
KY0540406	South Hopkins Water District	Hopkins	6,912	3,107
KY0540465	White Plains Water Department	Hopkins	1,600	690
KY0240521	Christian County Water District	Christian	28	16
KY1170361	Providence Water Works	Webster	31	16
KY1170400	Slaughters Water Works	Webster	289	115
		Totals:	45,905	20,776

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
HOPKINS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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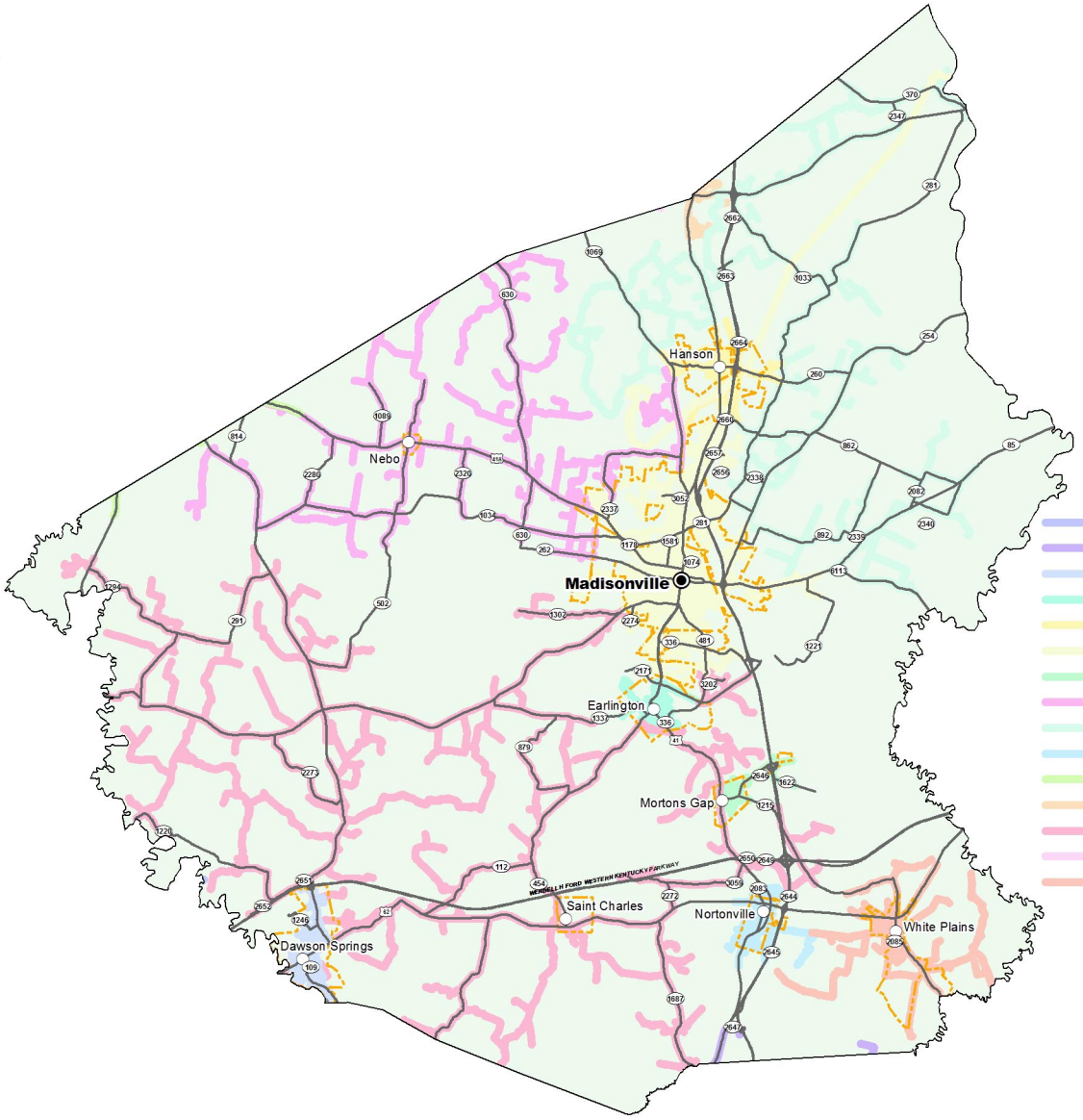

System Summary for Dawson Springs Water & Sewer System

PWSID	KY0540958	Treats Water	Yes, 1 plant with total capacity of 2.880 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$35.35 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$35.35 per 4,000 gallons.	Total Connections	975
Residential Customers	836	Total Produced (MG)	454.112
Commercial Customers	109	Total Purchased (MG)	-
Institutional Customers	30	Total Inside Usage (MG)	75.581
Industrial Customers	-	Total Wholesale Sold (MG)	341.555
Wholesale Customers	1	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 30.99 miles (Distribution: 30.17 miles, Transmission: 0.82 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Dawson Springs Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107031	Dawson Springs - Emergency Standby Generators	3-5 Years	Not Funded	$438,099	Hopkins	54	8

System Summary for Earlington Water & Sewer Department

PWSID	KY0540108	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$33.40 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$49.40 per 4,000 gallons.	Total Connections	548
Residential Customers	530	Total Produced (MG)	51.241
Commercial Customers	20	Total Purchased (MG)	60.117
Institutional Customers	-	Total Inside Usage (MG)	27.742
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	75%

Total Distribution System Line Length = 18.29 miles (Distribution: 18.25 miles, Transmission: 0.03 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Earlington Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107051	Earlington Water Meter Replacement Project	0-2 Years	Not Funded	$31,500	Hopkins	69	12
WX21107028	Earlington - Water System Improvements	0-2 Years	Not Funded	$50,000	Hopkins		

System Summary for Hanson Water System

PWSID	KY0540656	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$34.72 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$53.30 per 4,000 gallons.	Total Connections	477
Residential Customers	467	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	40.656
Institutional Customers	-	Total Inside Usage (MG)	35.054
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 22.88 miles (Distribution: 22.88 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hanson Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107055	Hanson - Line Upgrades & Valve Installation Project	0-2 Years	Not Funded	$262,500	Hopkins	14	4

System Summary for Madisonville Municipal Utilities

PWSID	KY0540936	Treats Water	Yes, 1 plant with total capacity of 8.000 MGD.
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	29	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$22.61 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$33.93 per 4,000 gallons.	Total Connections	10,008
Residential Customers	8,562	Total Produced (MG)	1,390.162
Commercial Customers	1,412	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	865.046
Industrial Customers	30	Total Wholesale Sold (MG)	260.032
Wholesale Customers	4	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 174.49 miles (Distribution: 158.85 miles, Transmission: 15.65 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Madisonville Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107008	Madisonville Noel Av Line Replacement	3-5 Years	Not Funded	$587,600	Hopkins	35	6
WX21107009	Madisonville Dozier Heights Waterline Replacement	3-5 Years	Not Funded	$354,413	Hopkins	51	7
WX21107038	Madisonville North Pressure Zone Improvements	3-5 Years	Not Funded	$2,299,227	Hopkins		
WX21107006	Madisonville Water Line Extension	3-5 Years	Not Funded	$336,962	Hopkins		

System Summary for Mortons Gap Water Department

PWSID	KY0540269	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$32.25 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$43.05 per 4,000 gallons.	Total Connections	451
Residential Customers	446	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	57.001
Institutional Customers	1	Total Inside Usage (MG)	29.160
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	49%

Total Distribution System Line Length = 12.58 miles (Distribution: 12.58 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Mortons Gap Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107050	Mortons Gap Water System Improvement Project	0-2 Years	Not Funded	$1,670,000	Hopkins	1	1
WX21107022	White Plains - Hwy 813 - South Hopkins Water District Interconnect	6-10 Years	Not Funded	$965,000	Hopkins		
WX21107040	Mortons Gap Water System Rehab	3-5 Years	Not Funded	$835,000	Hopkins		
WX21107047	Mortons Gap - System Improvements Project	0-2 Years	Not Funded	$35,000	Hopkins		

System Summary for Nebo Water District

PWSID	KY0540977	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	10	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$35.99 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,577
Residential Customers	1,529	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	113.796
Institutional Customers	18	Total Inside Usage (MG)	85.731
Industrial Customers	9	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 101.20 miles (Distribution: 101.20 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Nebo Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107054	Nebo Tank Rehabilitation and AMR Project	0-2 Years	Not Funded	$590,000	Hopkins	11	3
WX21107041	Nebo - Water System Improvements	3-5 Years	Partially Funded	$106,282	Hopkins		

System Summary for North Hopkins Water District

PWSID	KY0540138	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$59.55 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,405
Residential Customers	1,367	Total Produced (MG)	-
Commercial Customers	18	Total Purchased (MG)	99.280
Institutional Customers	-	Total Inside Usage (MG)	72.628
Industrial Customers	8	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	27%
Total Distribution System Line Length = 124.93 miles (Distribution: 124.93 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Hopkins Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107049	North Hopkins System Improvement Project	0-2 Years	Not Funded	$1,140,000	Hopkins		

System Summary for Nortonville Water Department

PWSID	KY0540328	Treats Water	Yes, 1 plant with total capacity of 0.432 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$19.12 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$25.37 per 4,000 gallons.	Total Connections	846
Residential Customers	801	Total Produced (MG)	60.000
Commercial Customers	32	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	39.709
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	34%
Total Distribution System Line Length = 29.82 miles (Distribution: 29.37 miles, Transmission: 0.45 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Nortonville Water Department

System Summary for South Hopkins Water District

PWSID	KY0540406	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$27.40 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,957
Residential Customers	2,814	Total Produced (MG)	-
Commercial Customers	116	Total Purchased (MG)	347.855
Institutional Customers	20	Total Inside Usage (MG)	200.238
Industrial Customers	2	Total Wholesale Sold (MG)	117.929
Wholesale Customers	3	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 270.80 miles (Distribution: 270.80 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for South Hopkins Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107033	South Hopkins Water District - Emercency Standby Generators	3-5 Years	Not Funded	$566,989	Hopkins	56	9
WX21107034	South Hopkins Water District - Waterline Extension & Tank	3-5 Years	Not Funded	$1,224,004	Hopkins		
WX21107022	White Plains - Hwy 813 - South Hopkins Water District Interconnect	6-10 Years	Not Funded	$965,000	Hopkins		

System Summary for White Plains Water Department

PWSID	KY0540465	Treats Water	Yes, 1 plant with total capacity of 0.170 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$39.35 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$45.60 per 4,000 gallons.	Total Connections	637
Residential Customers	630	Total Produced (MG)	26.477
Commercial Customers	7	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	24.291
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 48.91 miles (Distribution: 48.59 miles, Transmission: 0.32 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for White Plains Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107021	White Plains - US 62/Concord Ch. Rd. - MG Int. (P2)	6-10 Years	Not Funded	$210,000	Hopkins	63	10
WX21107029	White Plains - Concord Tank & Pump Station	3-5 Years	Not Funded	$770,000	Hopkins	64	11
WX21107022	White Plains - Hwy 813 - South Hopkins Water District Interconnect	6-10 Years	Not Funded	$965,000	Hopkins		
WX21107025	White Plains - Phase 2 Red Hill Tank, Pump Station and Waterline Extension	3-5 Years	Not Funded	$670,000	Hopkins		

Livingston County

- 2010 census population of 9,519 (4,824 households) with 97% serviceable.
- Projected 2020 population of 9,438 (change of -81).
- Livingston County has 390.60 miles of existing water lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 21.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,636,925.
- There are no projects planned from 6 to 10 years.

Livingston County has a 2010 census population count of 9,519 (4,824 households) with a projected 2020 population count of 9,438 (4,074 households). Public water is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 39 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 6,980 instances of improved service through the rehabilitation of 21.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Grand Rivers	4	$1,169,000	-	2,665	-	17.00	-
City of Salem	1	$580,925	-	35	-	1.00	-
City of Smithland	1	$60,000	-	180	-	-	-
Crittenden-Livingston County Water District	3	$2,700,000	26	3,000	9.00	3.00	-
Ledbetter Water District	3	$1,127,000	13	1,100	2.00	-	-
Totals:	**12**	**$5,636,925**	**39**	**6,980**	**11.00**	**21.00**	**-**

Community Drinking Water Systems in Livingston County

Note: Serviceability counts are for households within Livingston county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0700532	Crittenden-Livingston County Water District	Livingston	3,206	1,665
KY0700162	Grand Rivers Water System	Livingston	2,007	1,158
KY0700243	Ledbetter Water District	Livingston	2,729	1,211
KY0700380	Salem Municipal Water System	Livingston	749	359
KY0700401	Smithland Water & Sewer System	Livingston	495	261
		Totals:	9,186	4,654

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
LIVINGSTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System

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WATER SERVICE BY OWNER

- CRITTENDEN-LIVINGSTON COUNTY WATER DISTRICT
- GRAND RIVERS WATER SYSTEM
- LEDBETTER WATER DISTRICT
- NORTH MARSHALL WATER DISTRICT
- SALEM MUNICIPAL WATER SYSTEM
- SMITHLAND WATER & SEWER SYSTEM

Livingston County (continued)

System Summary for Crittenden-Livingston County Water District

PWSID	KY0700532	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	13	Wholesale Purchaser	No
Non-Municipal Cost	$50.68 per 4,000 gallons.	Wholesale Provider	Yes, to 6 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,612
Residential Customers	3,554	Total Produced (MG)	443.071
Commercial Customers	58	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	197.531
Industrial Customers	-	Total Wholesale Sold (MG)	181.452
Wholesale Customers	6	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 594.09 miles (Distribution: 593.61 miles, Transmission: 0.48 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Crittenden-Livingston County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21055011	CLWD - Line Extensions (Crittenden)	3-5 Years	Not Funded	$975,000	Crittenden	34	3
WX21139025	CLWD - Line Extensions (Livingston)	3-5 Years	Not Funded	$565,000	Livingston	58	7
WX21139026	Crittenden-Livingston Water District - Distribution Upgrade	3-5 Years	Not Funded	$1,160,000	Livingston		

System Summary for Grand Rivers Water System

PWSID	KY0700162	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$31.40 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$31.40 per 4,000 gallons.	Total Connections	1,333
Residential Customers	1,229	Total Produced (MG)	-
Commercial Customers	127	Total Purchased (MG)	96.071
Institutional Customers	-	Total Inside Usage (MG)	77.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 81.36 miles (Distribution: 81.36 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Grand Rivers Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21139028	Grand Rivers - Waterline Replacement & Upgrades	0-2 Years	Not Funded	$105,000	Livingston	13	2
WX21139013	Grand Rivers - Waterline Replacement Project	3-5 Years	Not Funded	$850,000	Livingston	21	3
WX21139018	Grand Rivers - Newbern Road Water Line Extension	3-5 Years	Not Funded	$175,000	Livingston	44	5
WX21139015	Grand Rivers - Master Meter Project	3-5 Years	Not Funded	$90,000	Livingston		
WX21139014	Grand Rivers - Water Valve Project	3-5 Years	Not Funded	$54,000	Livingston		

System Summary for Ledbetter Water District

PWSID	KY0700243	Treats Water	Yes, 1 plant with total capacity of 0.311 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 1 source.
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$29.31 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,251
Residential Customers	1,213	Total Produced (MG)	45.417
Commercial Customers	37	Total Purchased (MG)	35.957
Institutional Customers	-	Total Inside Usage (MG)	62.372
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 49.83 miles (Distribution: 49.75 miles, Transmission: 0.08 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Ledbetter Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21139023	Ledbetter - Paris Rd Main Extension	3-5 Years	Not Funded	$150,000	Livingston	65	8
WX21139022	Ledbetter - Holland Road Main Extension	3-5 Years	Not Funded	$300,000	Livingston	66	9
WX21139021	Ledbetter Water District - Emergency Standby Generators	3-5 Years	Not Funded	$677,000	Livingston		

System Summary for Salem Municipal Water System

PWSID	KY0700380	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$28.48 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	$28.48 per 4,000 gallons.	Total Connections	417
Residential Customers	351	Total Produced (MG)	-
Commercial Customers	41	Total Purchased (MG)	25.128
Institutional Customers	25	Total Inside Usage (MG)	20.026
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 12.62 miles (Distribution: 12.62 miles, Transmission: 0.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Salem Municipal Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21139027	Salem - Water Main Replacement Project	0-2 Years	Not Funded	$580,925	Livingston	7	1

System Summary for Smithland Water & Sewer System

PWSID	KY0700401	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.51 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$37.51 per 4,000 gallons.	Total Connections	267
Residential Customers	218	Total Produced (MG)	-
Commercial Customers	49	Total Purchased (MG)	12.424
Institutional Customers	-	Total Inside Usage (MG)	8.683
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 14.74 miles (Distribution: 14.74 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Smithland Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21139016	Smithland - Water Valve Replacement (Nsp)	3-5 Years	Not Funded	$60,000	Livingston		

Lyon County

- 2010 census population of 8,314 (4,791 households) with 98% serviceable.
- Projected 2020 population of 8,523 (change of 209).
- Lyon County has 314.00 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,984,415.
- There are no projects planned from 6 to 10 years.

Lyon County has a 2010 census population count of 8,314 (4,791 households) with a projected 2020 population count of 8,523 (3,430 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 8,576 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Eddyville	2	$721,740	-	1,395	-	-	-
City of Kuttawa	4	$1,500,000	-	1,514	-	-	-
Lyon County Water District	4	$3,762,675	2	5,667	4.00	-	-
Totals:	**10**	**$5,984,415**	**2**	**8,576**	**4.00**	**-**	**-**

Community Drinking Water Systems in Lyon County

Note: Serviceability counts are for households within Lyon county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0720113	Eddyville Water Department	Lyon	2,935	1,126
KY0720227	Kuttawa Water Department	Lyon	770	410
KY0720933	Lyon County Water District	Lyon	4,016	2,931
KY0170146	Fredonia Water Department	Caldwell	135	43
KY0170360	Princeton Water & Wastewater Commission	Caldwell	137	93
KY1110019	Barkley Lake Water District	Trigg	132	95
		Totals:	8,125	4,698

Kentucky Infrastructure Authority
January 04, 2019

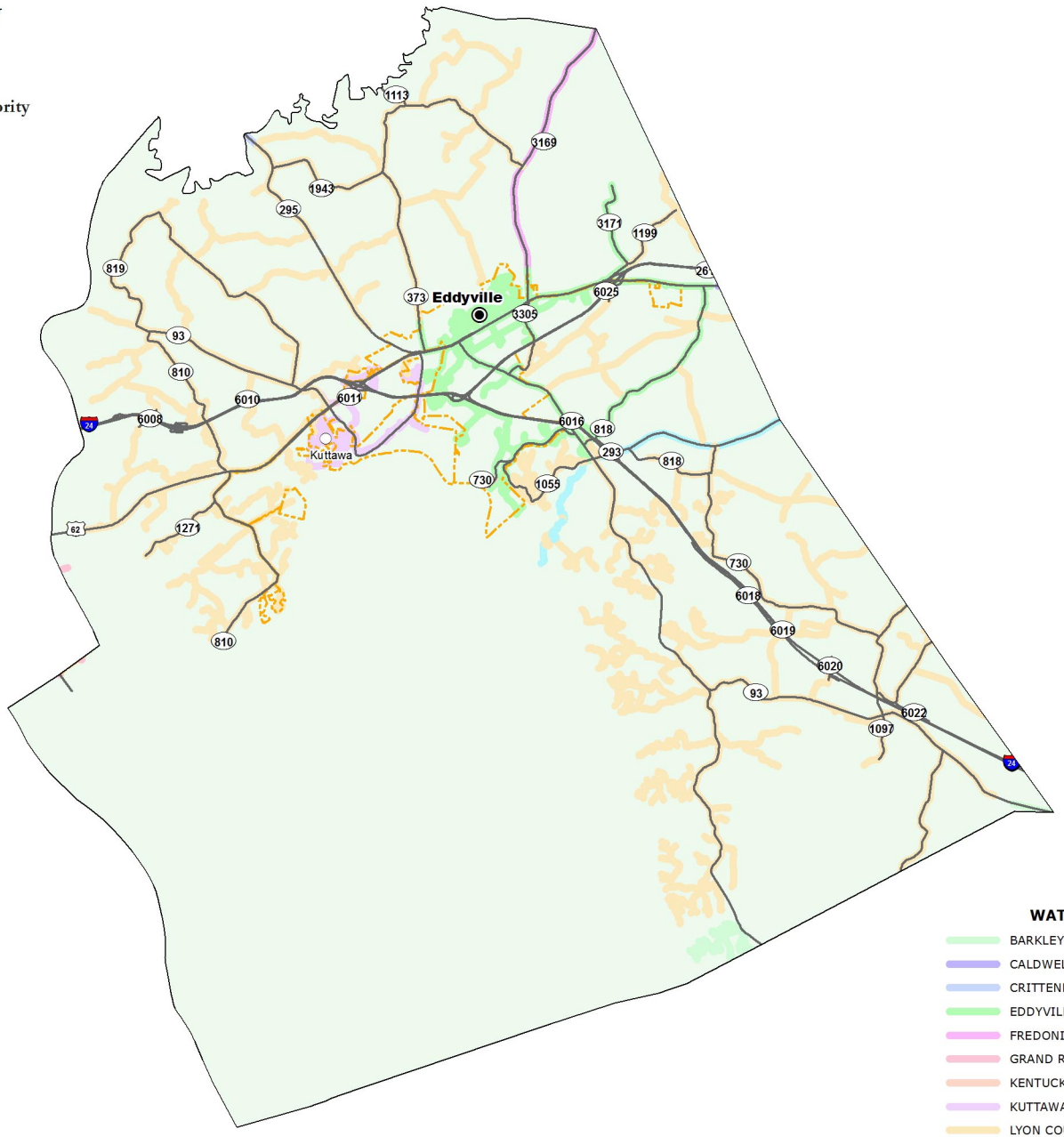
WATER SERVICE AREAS
LYON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BARKLEY LAKE WATER DISTRICT
- CALDWELL COUNTY WATER DISTRICT
- CRITTENDEN-LIVINGSTON COUNTY WATER DISTRICT
- EDDYVILLE WATER DEPARTMENT
- FREDONIA WATER DEPARTMENT
- GRAND RIVERS WATER SYSTEM
- KENTUCKY STATE PENITENTIARY
- KUTTAWA WATER DEPARTMENT
- LYON COUNTY WATER DISTRICT
- PRINCETON WATER & WASTEWATER COMMISSION

System Summary for Eddyville Water Department

PWSID	KY0720113	Treats Water	Yes, 1 plant with total capacity of 1.500 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	Yes, 1 source.
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$33.29 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$37.65 per 4,000 gallons.	Total Connections	1,363
Residential Customers	1,101	Total Produced (MG)	133.067
Commercial Customers	205	Total Purchased (MG)	-
Institutional Customers	79	Total Inside Usage (MG)	96.777
Industrial Customers	5	Total Wholesale Sold (MG)	22.596
Wholesale Customers	3	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 54.15 miles (Distribution: 49.87 miles, Transmission: 4.28 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Eddyville Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21143012	City of Eddyville - Automated Meter Reading	3-5 Years	Not Funded	$260,000	Lyon	31	3
WX21143014	WWTP Elevated Tank Painting	3-5 Years	Not Funded	$461,740	Lyon		

Lyon County (continued)

System Summary for Kentucky State Penitentiary

PWSID	KY0720552	Treats Water	Yes, 1 plant with total capacity of 0.504 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	State Agency	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1
Residential Customers	-	Total Produced (MG)	71.774
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	71.774
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%

Total Distribution System Line Length = 0.25 miles (Distribution: 0.21 miles, Transmission: 0.04 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Kentucky State Penitentiary

System Summary for Kuttawa Water Department

PWSID	KY0720227	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$18.26 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$36.27 per 4,000 gallons.	Total Connections	438
Residential Customers	400	Total Produced (MG)	90.749
Commercial Customers	38	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	42.107
Industrial Customers	-	Total Wholesale Sold (MG)	41.628
Wholesale Customers	1	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 15.62 miles (Distribution: 15.57 miles, Transmission: 0.05 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Kuttawa Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21143018	Kuttawa - New Water Treatment Plant Project	3-5 Years	Not Funded	$550,000	Lyon	23	2
WX21143011	City of Kuttawa - I-24 Water Storage Tank	3-5 Years	Not Funded	$700,000	Lyon	33	4
WX21143013	City of Kuttawa - Automated Meter Reading System	3-5 Years	Not Funded	$150,000	Lyon	49	7
WX21143005	Kuttawa - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	61	9
WX21139026	Crittenden-Livingston Water District - Distribution Upgrade	3-5 Years	Not Funded	$1,160,000	Livingston		
WX21143006	City of Kuttawa - Water Quality Project	3-5 Years	Partially Funded	$200,000	Lyon		

System Summary for Lyon County Water District

PWSID	KY0720933	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 6 providers.
Non-Municipal Cost	$46.24 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,584
Residential Customers	2,531	Total Produced (MG)	-
Commercial Customers	41	Total Purchased (MG)	108.883
Institutional Customers	-	Total Inside Usage (MG)	93.556
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 228.63 miles (Distribution: 228.63 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lyon County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21143017	LCWD - Water System and Storage Tank Improvements Project	0-2 Years	Not Funded	$2,094,675	Lyon	3	1
WX21221016	McUpton Pump Station Replacement	0-2 Years	Not Funded	$850,000	Trigg	4	1
WX21143004	Lyon County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	59	8
WX21139026	Crittenden-Livingston Water District - Distribution Upgrade	3-5 Years	Not Funded	$1,160,000	Livingston		
WX21143008	LCWD - System Rehabilitation and Improvements	3-5 Years	Not Funded	$1,038,000	Lyon		
WX21143009	LCWD - Automated Meter System	0-2 Years	Not Funded	$530,000	Lyon		

Muhlenberg County

- 2010 census population of 31,499 (13,699 households) with 98% serviceable.
- Projected 2020 population of 31,466 (change of -33).
- Muhlenberg County has 685.16 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $18,159,632.
- There are no projects planned from 6 to 10 years.

Muhlenberg County has a 2010 census population count of 31,499 (13,699 households) with a projected 2020 population count of 31,466 (12,337 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 20 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 10,542 instances of improved service through the rehabilitation of 4.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Butler County Water System Inc	4	$1,440,000	11	75	2.00	4.00	-
Central City Municipal Water & Sewer System	4	$10,300,000	7	4,177	8.00	-	-
City of Central City	1	$297,000	-	12	-	-	-
City of Greenville	2	$565,000	-	4,129	-	-	-
Muhlenberg County Water District #1	2	$1,760,382	2	-	3.00	-	-
Muhlenberg County Water District #3	1	$47,250	-	2,149	-	-	-
Rochester Dam Regional Water Commission	1	$3,750,000	-	-	-	-	-
Totals:	**15**	**$18,159,632**	**20**	**10,542**	**13.00**	**4.00**	**-**

Community Drinking Water Systems in Muhlenberg County

Note: Serviceability counts are for households within Muhlenberg county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0890071	Central City Municipal Water & Sewer System	Muhlenberg	4,957	2,288
KY0890106	Drakesboro Water & Sewer	Muhlenberg	693	321
KY0890170	Greenville Utilities Commission	Muhlenberg	4,787	2,155
KY0890302	Muhlenberg County Water District #1	Muhlenberg	13,900	6,109
KY0890304	Muhlenberg County Water District #3	Muhlenberg	4,946	2,217
KY0160052	Butler County Water System	Butler	623	276
KY1100944	Todd County Water District	Todd	53	49
		Totals:	29,959	13,415

Kentucky Infrastructure Authority
January 04, 2019

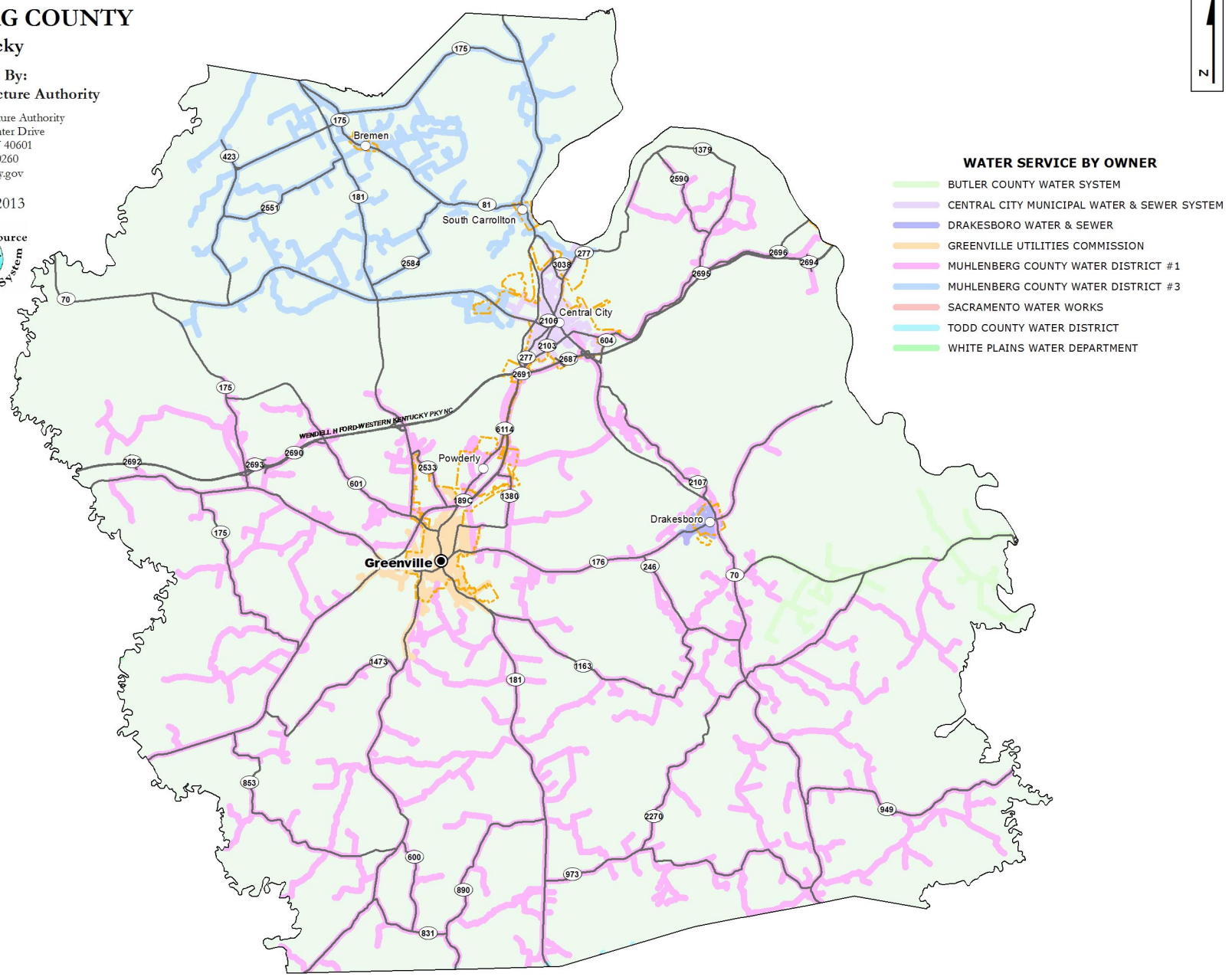
WATER SERVICE AREAS
MUHLENBERG COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Central City Municipal Water & Sewer System

PWSID	KY0890071	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	18	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$20.18 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$30.92 per 4,000 gallons.	Total Connections	2,160
Residential Customers	1,898	Total Produced (MG)	1,004.268
Commercial Customers	262	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	185.961
Industrial Customers	-	Total Wholesale Sold (MG)	756.894
Wholesale Customers	2	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 49.80 miles (Distribution: 49.11 miles, Transmission: 0.69 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Central City Municipal Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21177032	Central City - City of Greenville - Supply System	3-5 Years	Not Funded	$8,300,000	Muhlenberg		
WX21177036	Central City - Tank Rehabilitation	0-2 Years	Not Funded	$500,000	Muhlenberg		
WX21177031	Central City - Radio Read Water Meter Project	0-2 Years	Not Funded	$500,000	Muhlenberg		

System Summary for Drakesboro Water & Sewer

PWSID	KY0890106	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$60.00 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$61.00 per 4,000 gallons.	Total Connections	353
Residential Customers	349	Total Produced (MG)	-
Commercial Customers	4	Total Purchased (MG)	15.201
Institutional Customers	-	Total Inside Usage (MG)	13.249
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 9.61 miles (Distribution: 9.61 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Drakesboro Water & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21177041	Drakesboro - AMR Project	0-2 Years	Not Funded	$210,000	Muhlenberg	15	2
WX21177042	Drakesboro - Broad St. Tank Rehab	0-2 Years	Not Funded	$157,500	Muhlenberg	68	5

System Summary for Greenville Utilities Commission

PWSID	KY0890170	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$27.83 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$29.08 per 4,000 gallons.	Total Connections	2,105
Residential Customers	1,681	Total Produced (MG)	230.891
Commercial Customers	302	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	157.477
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 52.67 miles (Distribution: 47.07 miles, Transmission: 5.61 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Greenville Utilities Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21177032	Central City - City of Greenville - Supply System	3-5 Years	Not Funded	$8,300,000	Muhlenberg		
WX21177028	Greenville - AMR Project	3-5 Years	Not Funded	$335,000	Muhlenberg		
WX21177035	Greenville - Water Resource Redundancy Project	3-5 Years	Not Funded	$230,000	Muhlenberg		
WX21177021	Greenville - Emergency Standby Generators	3-5 Years	Not Funded	$144,000	Muhlenberg		

System Summary for Muhlenberg County Water District #1

PWSID	KY0890302	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	21	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$42.99 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 11 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	5,937
Residential Customers	5,684	Total Produced (MG)	-
Commercial Customers	228	Total Purchased (MG)	482.160
Institutional Customers	-	Total Inside Usage (MG)	418.002
Industrial Customers	8	Total Wholesale Sold (MG)	15.201
Wholesale Customers	2	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 419.20 miles (Distribution: 419.20 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Muhlenberg County Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21177023	Muhlenberg County Water District #1 - System Rehabilitation	3-5 Years	Not Funded	$584,397	Muhlenberg	41	4
WX21177018	Muhlenberg County Water District Nebo Pump Station, Watermain & Tank	3-5 Years	Not Funded	$1,175,985	Muhlenberg		

System Summary for Muhlenberg County Water District #3

PWSID	KY0890304	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$28.65 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,103
Residential Customers	2,009	Total Produced (MG)	-
Commercial Customers	91	Total Purchased (MG)	275.347
Institutional Customers	-	Total Inside Usage (MG)	168.091
Industrial Customers	-	Total Wholesale Sold (MG)	52.724
Wholesale Customers	1	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 129.50 miles (Distribution: 129.50 miles, Transmission: 0.00 miles).

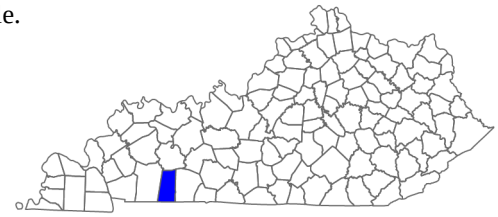
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Muhlenberg County Water District #3

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21177018	Muhlenberg County Water District Nebo Pump Station, Watermain & Tank	3-5 Years	Not Funded	$1,175,985	Muhlenberg		
WX21177033	MCWD #3 - Pump Station Efficiency Upgrade	0-2 Years	Not Funded	$47,250	Muhlenberg		
WX21177034	MCWD #3 - Portable Flow Meters	3-5 Years	Not Funded	$9,825	Muhlenberg		

Todd County

- 2010 census population of 12,460 (5,286 households) with 98% serviceable.
- Projected 2020 population of 12,958 (change of 498).
- Todd County has 490.44 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $101,197,000.
- Estimated funding needs for projects from 6 to 10 years: $13,000,000.



Todd County has a 2010 census population count of 12,460 (5,286 households) with a projected 2020 population count of 12,958 (4,989 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2,702 serviceable households will be added through the construction of 7.00 miles of water line extensions and approximately 233 instances of improved service through the rehabilitation of 13.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Elkton	2	$370,000	-	25	-	-	-
City of Guthrie	1	$60,000	-	-	-	-	-
City of Trenton	1	$400,000	-	-	-	-	-
Logan-Todd Regional Water Commission	6	$106,120,000	2,701	56	5.00	2.00	1.00
Todd County Water District	2	$7,247,000	1	152	2.00	11.00	-
Totals:	**12**	**$114,197,000**	**2,702**	**233**	**7.00**	**13.00**	**1.00**

Community Drinking Water Systems in Todd County

Note: Serviceability counts are for households within Todd county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1100121	Elkton Utilities	Todd	2,155	949
KY1100171	Guthrie Water Works	Todd	1,448	654
KY1100944	Todd County Water District	Todd	7,936	3,263
KY1100428	Trenton Water Works	Todd	589	272
KY0240521	Christian County Water District	Christian	43	19
		Totals:	12,171	5,157

Kentucky Infrastructure Authority
January 04, 2019

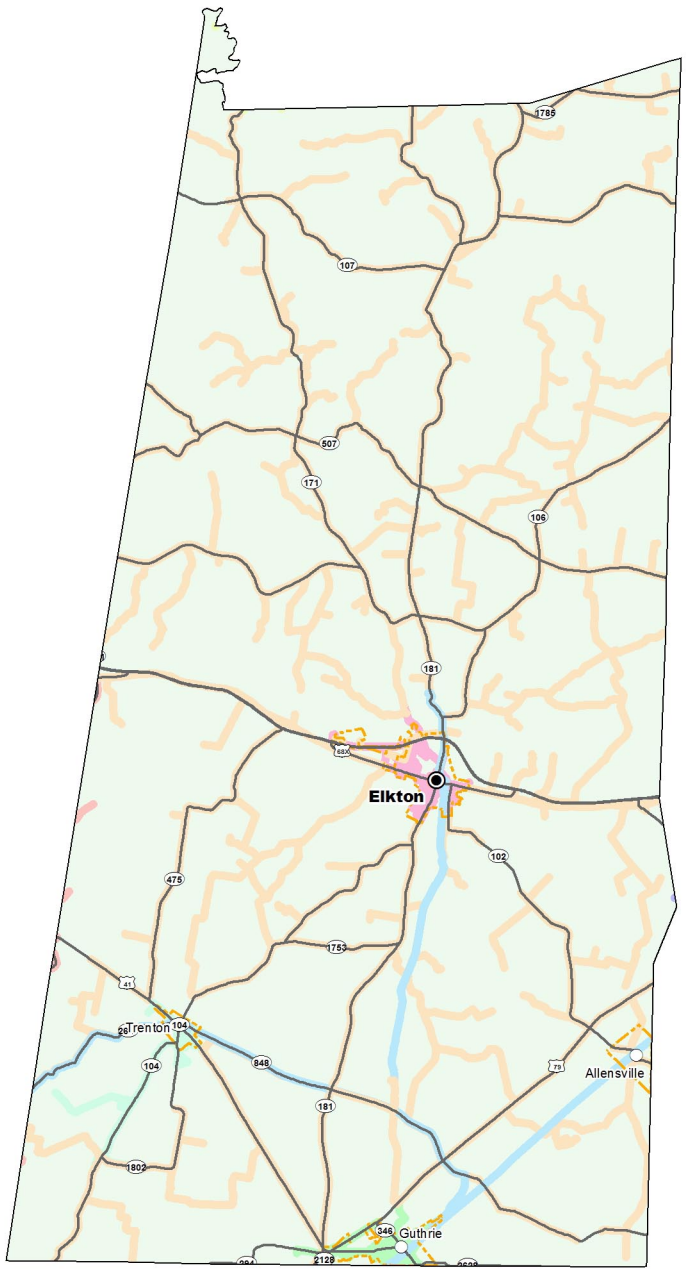
WATER SERVICE AREAS
TODD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- CHRISTIAN COUNTY WATER DISTRICT
- ELKTON UTILITIES
- GUTHRIE WATER WORKS
- LEWISBURG WATER WORKS
- LOGAN/TODD REGIONAL WATER COMMISSION
- MUHLENBERG COUNTY WATER DISTRICT #1
- RUSSELLVILLE MUNICIPAL WATER SYSTEM
- SOUTH LOGAN WATER ASSOCIATION
- TODD COUNTY WATER DISTRICT
- TRENTON WATER WORKS

System Summary for Elkton Utilities

PWSID	KY1100121	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.00 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$48.39 per 4,000 gallons.	Total Connections	902
Residential Customers	728	Total Produced (MG)	-
Commercial Customers	168	Total Purchased (MG)	56.240
Institutional Customers	-	Total Inside Usage (MG)	52.588
Industrial Customers	6	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 22.95 miles (Distribution: 22.95 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Elkton Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21219033	Elkton - Water System Rehabilitation and Upgrade project	3-5 Years	Not Funded	$170,000	Todd	8	2
WX21219032	Logan/Todd - 12" Waterline Upgrade (Elkton to Allender's Hill)	3-5 Years	Not Funded	$1,300,000	Todd	12	3

System Summary for Guthrie Water Works

PWSID	KY1100171	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.93 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$49.21 per 4,000 gallons.	Total Connections	737
Residential Customers	679	Total Produced (MG)	-
Commercial Customers	57	Total Purchased (MG)	56.252
Institutional Customers	-	Total Inside Usage (MG)	50.505
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 22.25 miles (Distribution: 22.25 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Guthrie Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21219029	Guthrie - Emergency Standby Generators	3-5 Years	Not Funded	$60,000	Todd		

System Summary for Logan/Todd Regional Water Commission

PWSID	KY1101005	Treats Water	Yes, 1 plant with total capacity of 10.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Regional Water Commission	Groundwater Source	No
Employees	10	Wholesale Purchaser	No
Non-Municipal Cost	$15.64 per 4,000 gallons.	Wholesale Provider	Yes, to 13 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	1,462.444
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	0.140
Industrial Customers	-	Total Wholesale Sold (MG)	1,462.444
Wholesale Customers	13	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 106.10 miles (Distribution: 0.00 miles, Transmission: 106.10 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Logan/Todd Regional Water Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21219036	LTRWC - Filter Addition, Plant & Meter Station Renovation Project	0-2 Years	Not Funded	$3,000,000	Todd	2	1
WX21219032	Logan/Todd - 12" Waterline Upgrade (Elkton to Allender's Hill)	3-5 Years	Not Funded	$1,300,000	Todd	12	3
WX21219023	Logan-Todd Rwc/Guthrie - Clarksville, Tn Interconnection	6-10 Years	Not Funded	$13,000,000	Todd	55	6
WX21219019	Logan-Todd Regional Water Commission - WTP Debt Reduction	3-5 Years	Not Funded	$59,120,000	Todd		
WX21219035	Logan Todd RWC – Springfield, Tennessee Supply Project	0-2 Years	Not Funded	$26,500,000	Todd		
WX21219031	LTRWC - Ft. Campbell Supplemental Water Supply Project	3-5 Years	Not Funded	$6,500,000	Todd		
WX21219020	Logan-Todd Rwc Watermain Extension & Tank	3-5 Years	Not Funded	$3,200,000	Todd		

System Summary for Todd County Water District

PWSID	KY1100944	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$44.20 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	3,439
Residential Customers	3,439	Total Produced (MG)	-
Commercial Customers	57	Total Purchased (MG)	222.743
Institutional Customers	-	Total Inside Usage (MG)	204.160
Industrial Customers	-	Total Wholesale Sold (MG)	0.613
Wholesale Customers	3	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 441.86 miles (Distribution: 441.86 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Todd County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21219032	Logan/Todd - 12" Waterline Upgrade (Elkton to Allender's Hill)	3-5 Years	Not Funded	$1,300,000	Todd	12	3
WX21219024	Elkton - Water Storage Tank Improvements	3-5 Years	Not Funded	$200,000	Todd	43	5
WX21219018	Todd County Water District - KY Hwy 181 Upgrade	3-5 Years	Not Funded	$4,200,000	Todd		
WX21219028	Novelis Water System Extension Project	0-2 Years	Not Funded	$3,047,000	Todd		

System Summary for Trenton Water Works

PWSID	KY1100428	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$41.67 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$64.38 per 4,000 gallons.	Total Connections	320
Residential Customers	292	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	17.120
Institutional Customers	-	Total Inside Usage (MG)	15.361
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 16.02 miles (Distribution: 14.93 miles, Transmission: 1.09 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Trenton Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21219014	Trenton - Water System Improvements	3-5 Years	Not Funded	$400,000	Todd	38	4

Trigg County

- 2010 census population of 14,339 (7,810 households) with 98% serviceable.
- Projected 2020 population of 16,244 (change of 1,905).
- Trigg County has 562.22 miles of existing water lines.
- 55.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $15,395,901.
- There are no projects planned from 6 to 10 years.

Trigg County has a 2010 census population count of 14,339 (7,810 households) with a projected 2020 population count of 16,244 (6,986 households). Public water is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 59 serviceable households will be added through the construction of 55.00 miles of water line extensions and approximately 7,697 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Barkley Lake Water District	4	$5,693,401	59	5,815	55.00	-	-
Christian County Water District	1	$1,750,000	-	-	-	-	-
City of Cadiz	3	$7,952,500	-	1,882	-	2.00	-
Totals:	**8**	**$15,395,901**	**59**	**7,697**	**55.00**	**2.00**	**-**

Community Drinking Water Systems in Trigg County

Note: Serviceability counts are for households within Trigg county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1110019	Barkley Lake Water District	Trigg	9,953	5,770
KY1110054	Cadiz Water & Sewer Commission	Trigg	4,028	1,854
		Totals:	13,981	7,624

Kentucky Infrastructure Authority
January 04, 2019

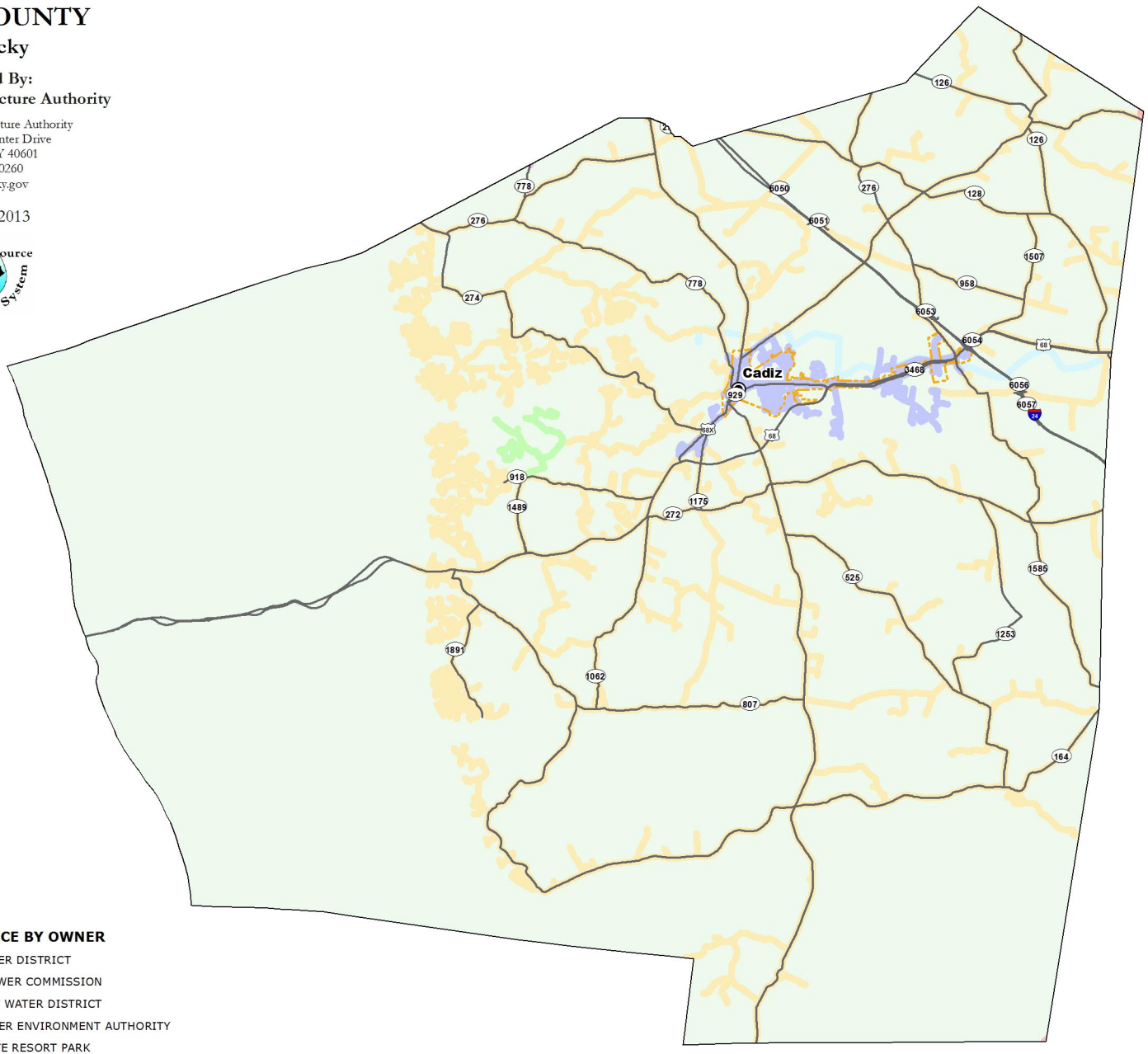
WATER SERVICE AREAS
TRIGG COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BARKLEY LAKE WATER DISTRICT
- CADIZ WATER & SEWER COMMISSION
- CHRISTIAN COUNTY WATER DISTRICT
- HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
- LAKE BARKLEY STATE RESORT PARK
- LYON COUNTY WATER DISTRICT

System Summary for Barkley Lake Water District

PWSID	KY1110019	Treats Water	Yes, 1 plant with total capacity of 4.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	15	Wholesale Purchaser	No
Non-Municipal Cost	$34.39 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	5,300
Residential Customers	5,230	Total Produced (MG)	556.155
Commercial Customers	66	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	345.134
Industrial Customers	-	Total Wholesale Sold (MG)	72.198
Wholesale Customers	4	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 493.12 miles (Distribution: 492.80 miles, Transmission: 0.32 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Barkley Lake Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21221016	McUpton Pump Station Replacement	0-2 Years	Not Funded	$850,000	Trigg	4	1
WX21221014	Barkley Lake Water District - Sludge Storage Lagoon Improvements	3-5 Years	Not Funded	$349,901	Trigg	22	3
WX21221008	Barkley Lake Water District - Water Line Extension	3-5 Years	Not Funded	$3,850,000	Trigg	29	5
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	$643,500	Trigg	47	6

System Summary for Cadiz Water & Sewer Commission

PWSID	KY1110054	Treats Water	Yes, 1 plant with total capacity of 0.792 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$30.60 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$40.97 per 4,000 gallons.	Total Connections	1,866
Residential Customers	1,579	Total Produced (MG)	241.225
Commercial Customers	231	Total Purchased (MG)	-
Institutional Customers	44	Total Inside Usage (MG)	214.295
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 63.14 miles (Distribution: 62.97 miles, Transmission: 0.17 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cadiz Water & Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21221009	Cadiz - IGA Water Tank Replacement	3-5 Years	Not Funded	$957,000	Trigg	17	2
WX21221013	Cadiz - Line Rehabilitation - Will Jackson Road Hwy 778	3-5 Years	Not Funded	$962,500	Trigg	26	4
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	$643,500	Trigg	47	6
WX21221015	Cadiz Water Treatment Plant Project	0-2 Years	Partially Funded	$6,033,000	Trigg		

Purchase Area Development District (PUADD)

- 2010 census population of 196,393 (93,709 households) with 79% serviceable.
- Projected 2020 population of 201,697 (change of 5,304).
- 2,201.66 miles of existing water lines.
- 19.00 miles of line extensions proposed in the next 10 years.
- 482.00 miles of line rehabilitation proposed in the next 10 years.
- 15.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $119,518,502.
- Estimated funding needs for projects from 6 to 10 years: $7,326,440.
- Average age of structures: water treatment plants is 38 years; water tanks is 42 years.
- Total number of interconnected systems is 20.
- 651 miles of asbestos concrete pipe currently in use.
- 179 miles of water lines less than 15 years old.
- 209 miles of water lines between 15 and 30 years old.
- 588 miles of water lines between 31 and 50 years old.
- 826 miles of water lines between 51 and 70 years old.
- 396 miles of water lines greater than 70 years old.

Purchase Area Development District has a 2010 census population count of 196,393 (93,709 households) with a projected 2020 population count of 201,697 (86,121 households). Public water is currently available to approximately 79 percent of the district's households based on 2010 census counts. Over the next ten years approximately 14,612 serviceable households will be added through the construction of 19.00 miles of water line extensions and approximately 72,803 instances of improved service through the rehabilitation of 482.00 miles of existing water lines and other appurtenances. 15.00 miles of transmission lines are also proposed within this district.

County Summary for Purchase Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Ballard	8,249	3,885	8,217	3,484	1,867	48%	$ 2,465,050
Calloway	37,191	18,065	40,411	17,019	12,198	68%	$ 9,866,225
Carlisle	5,104	2,441	4,947	2,093	971	40%	$ 11,889,978
Fulton	6,813	3,372	6,223	2,728	2,956	88%	$ 2,598,523
Graves	37,121	16,777	37,630	15,459	11,563	69%	$ 24,615,417
Hickman	4,902	2,342	4,625	1,938	905	39%	$ 410,176
McCracken	65,565	31,079	66,621	29,278	29,492	95%	$ 35,576,180
Marshall	31,448	15,748	33,023	14,122	14,278	91%	$ 39,423,393
Totals	**196,393**	**93,709**	**201,697**	**86,121**	**74,230**	**79%**	**$ 126,844,942**

Kentucky Infrastructure Authority
January 04, 2019

EXISTING & PROPOSED WATER LINES

PUADD

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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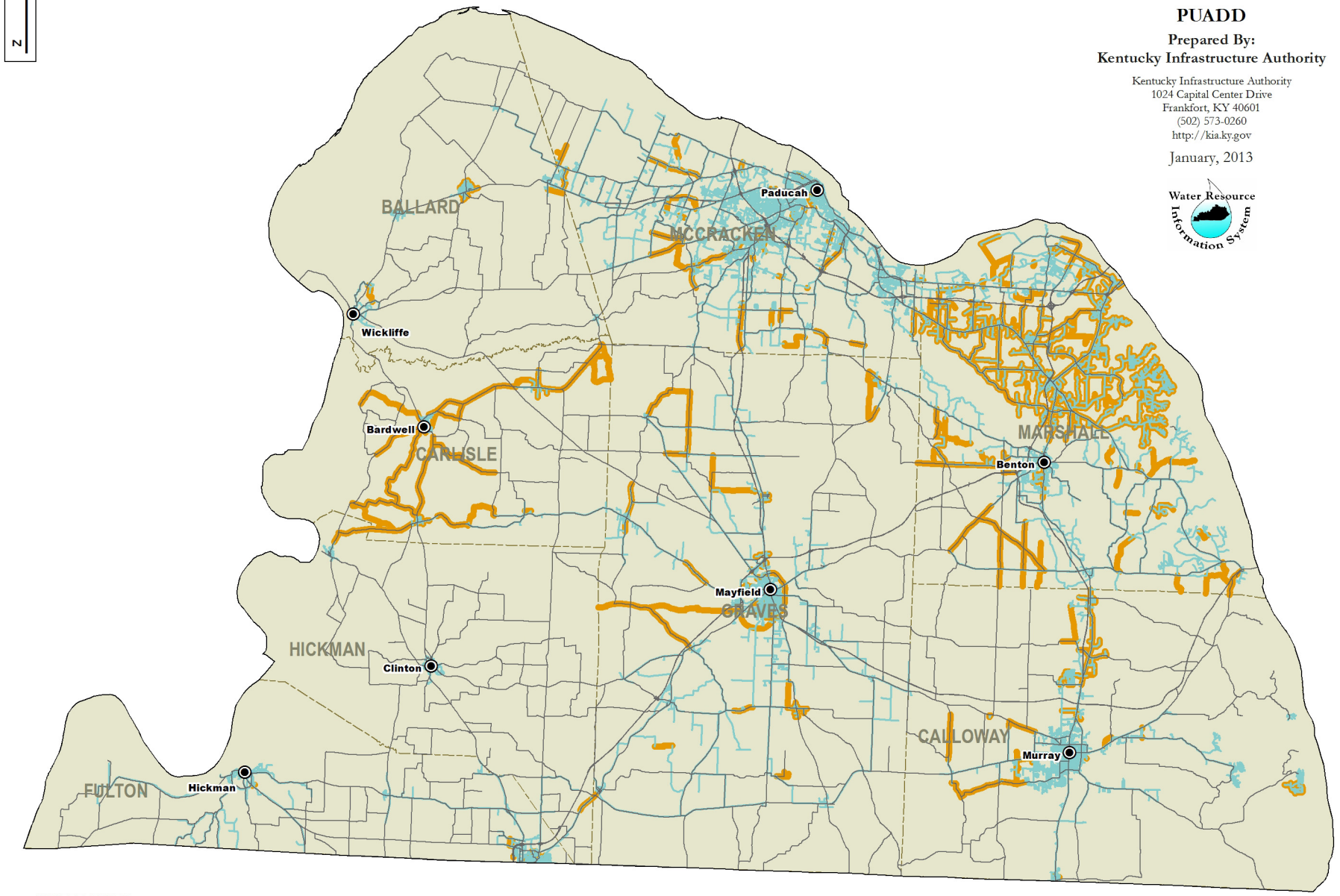
Water Resource Information System



WATER LINES

- Proposed Water Lines
- Existing Water Lines

Community Water Systems in Purchase Area Development District County

Note: Serviceable counts include households outside the area development district.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0040020	Barlow Water System	Ballard	742	386
KY0040223	Kevil Water Department	Ballard	1,424	676
KY0040228	LaCenter Municipal Water Company	Ballard	1,068	501
KY0040469	Wickliffe Municipal Water System	Ballard	1,001	466
KY0180509	Center Ridge #2	Calloway	116	119
KY0180502	Center Ridge #3	Calloway	87	59
KY0180549	Center Ridge Water District	Calloway	36	54
KY0180102	Dexter Almo Heights Water District	Calloway	2,130	922
KY0180308	Murray Water District #2	Calloway	730	334
KY0180306	Murray Water System	Calloway	21,763	10,301
KY0180185	South 641 Water District	Calloway	725	359
KY0180914	Stella Trailer Park	Calloway	45	23
KY0200009	Arlington Water Department	Carlisle	387	197
KY0200018	Bardwell City Utilities	Carlisle	807	434
KY0200095	Cunningham Water District	Carlisle	330	158
KY0200284	Milburn Water District	Carlisle	311	144
KY0380149	Fulton Municipal Water System	Fulton	3,283	1,764
KY0380193	Hickman Water Department	Fulton	2,868	1,299
KY0420084	Graves County Water District (Consumers)	Graves	4,924	2,152
KY0420027	Graves County Water District (Fancy Farm)	Graves	1,233	537
KY0420172	Graves County Water District (Hardeman)	Graves	888	410
KY0420194	Graves County Water District (Hickory)	Graves	3,396	1,551
KY0420534	Graves County Water District (Sedalia)	Graves	322	146
KY0420405	Graves County Water District (South Graves)	Graves	2,342	1,058
KY0420274	Mayfield Electric & Water System	Graves	10,709	5,015
KY0420423	Symsonia Water District	Graves	706	363
KY0420475	Wingo Water & Sewer Department	Graves	703	307
KY0530083	Columbus Water Works	Hickman	193	96
KY0530077	Utilities Inc.	Hickman	1,510	705
KY0790029	Benton Water & Sewer System	Marshall	6,560	2,961
KY0790056	Calvert City Municipal Water Department	Marshall	3,564	1,606
KY0790173	Hardin Water Department	Marshall	1,724	779
KY0790216	Jonathan Creek Water District	Marshall	4,525	2,728
KY0790319	North Marshall Water District	Marshall	10,951	5,708
KY0730533	Paducah Water Works	McCracken	59,173	28,252
KY0730454	West McCracken County Water District	McCracken	3,765	1,625
		Totals:	155,041	74,195

Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035043	Murray WTP Switchgear	0-2 Years	Not Funded	$1,705,000	Calloway	5	1
WX21075020	Water Treatment Plant Modification	0-2 Years	Not Funded	$397,000	Fulton	6	1
WX21083062	Mayfield Electric & Water-WTP Clearwell Rehabilitation	3-5 Years	Not Funded	$250,000	Graves	7	6
WX21157029	Water Line and Booster Station Rehab and installation of Radio Read Meter	0-2 Years	Not Funded	$3,400,000	Marshall	8	2
WX21157007	City of Benton-Line Replacement Along Main Street	0-2 Years	Not Funded	$1,255,500	Marshall	12	3
WX21035036	Hopkins Rd Loop and Metering Installation Phase 2	0-2 Years	Not Funded	$455,000	Calloway	15	2
WX21039021	City of Bardwell-Well Relocation	3-5 Years	Not Funded	$300,000	Carlisle	17	3
WX21105009	Columbus Water Works - Upgrades to WTP and New Clearwell	11-20 Years	Not Funded	$400,000	Hickman	18	1
WX21075003	Fulton Municipal to South Graves Interconnect	6-10 Years	Not Funded	$65,572	Fulton	19	2
WX21007023	LaCenter - Demolition of Water Tank	3-5 Years	Not Funded	$200,000	Ballard	20	3
WX21039033	AC Line Rehabilitation	6-10 Years	Not Funded	$1,500,000	Carlisle	23	2
WX21039032	City of Arlington- Water Tank Mixing System	3-5 Years	Not Funded	$40,000	Carlisle	24	1
WX21105010	Columbus Water Works - Water Tank Maintenance	11-20 Years	Not Funded	$40,000	Hickman	26	3
WX21007005	La Center Municipal Water- AC Line Replacement Phase III	3-5 Years	Not Funded	$250,000	Ballard	27	2
WX21035026	South 641 Water District-Water Line Replacement & Isolation Valves Installation	11-20 Years	Not Funded	$100,000	Calloway	28	5
WX21075002	Fulton Municipal Water-Demolition of Old Clear Well & Degasifier	3-5 Years	Not Funded	$386,000	Fulton	30	3
			Total Cost:	**$10,744,072**			

Ballard County

- 2010 census population of 8,249 (3,885 households) with 48% serviceable.
- Projected 2020 population of 8,217 (change of -32).
- Ballard County has 58.90 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,465,050.
- There are no projects planned from 6 to 10 years.

Ballard County has a 2010 census population count of 8,249 (3,885 households) with a projected 2020 population count of 8,217 (3,484 households). Public water is currently available to approximately 48 percent of the county's households based on 2010 census counts. Over the next ten years approximately 424 instances of improved service through the rehabilitation of 10.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Barlow	1	$50,000	-	-	-	-	-
City of Kevil	4	$1,275,000	-	56	-	1.00	-
City of La Center	4	$900,000	-	358	-	8.00	-
City of Wickliffe	1	$240,050	-	10	-	1.00	-
Totals:	**10**	**$2,465,050**	**-**	**424**	**-**	**10.00**	**-**

Community Drinking Water Systems in Ballard County

Note: Serviceability counts are for households within Ballard county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0040020	Barlow Water System	Ballard	742	386
KY0040223	Kevil Water Department	Ballard	1,047	514
KY0040228	LaCenter Municipal Water Company	Ballard	1,068	501
KY0040469	Wickliffe Municipal Water System	Ballard	1,001	466
		Totals:	3,858	1,867

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
BALLARD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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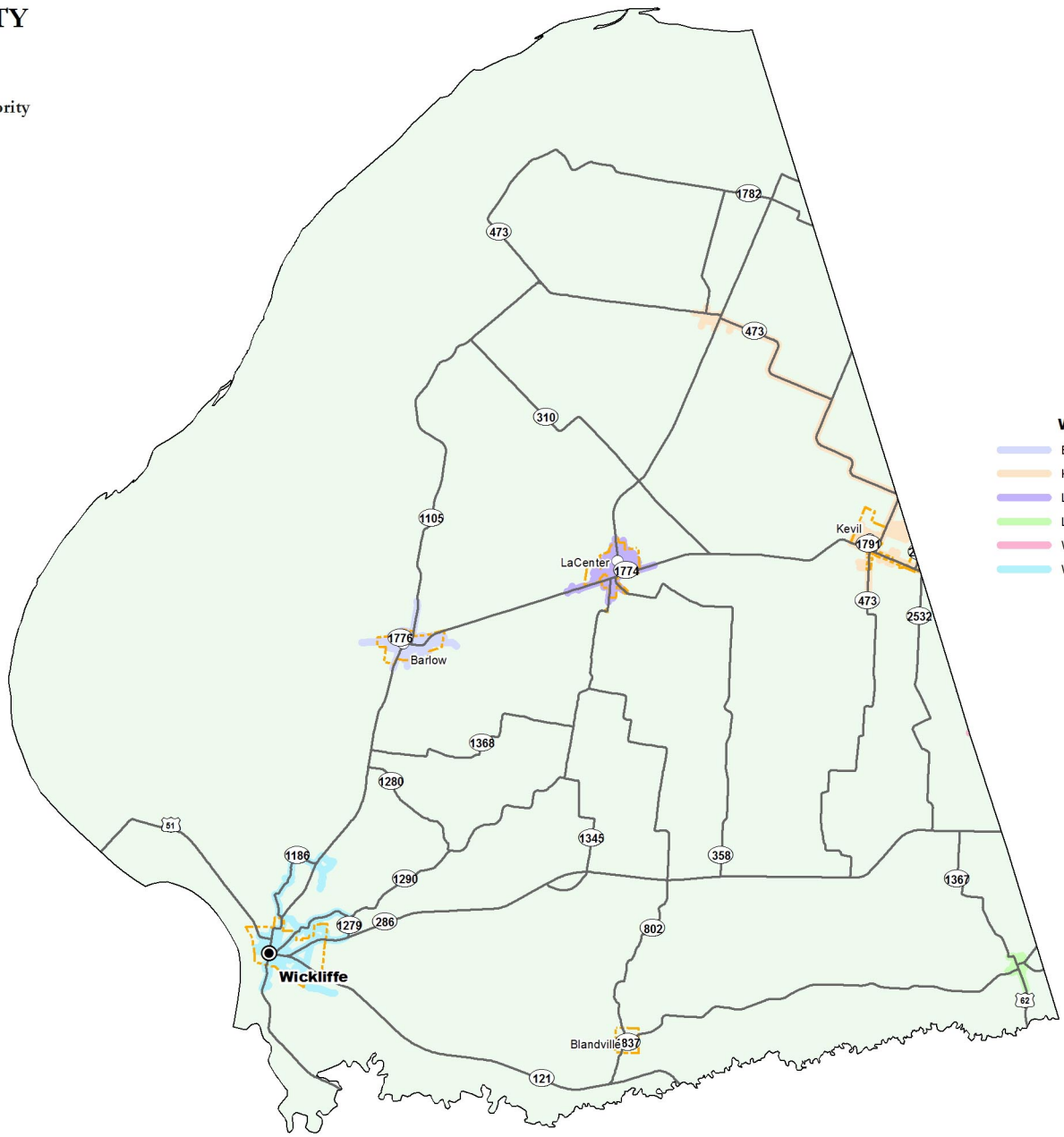

System Summary for Barlow Water System

PWSID	KY0040020	Treats Water	Yes, 1 plant with total capacity of 0.380 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$21.00 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	341
Residential Customers	316	Total Produced (MG)	18.500
Commercial Customers	5	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	17.900
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 9.49 miles (Distribution: 9.47 miles, Transmission: 0.02 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Barlow Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21007008	PHASE 1 - SENIOR CITIZENS CENTER & KY CARE	0-2 Years	Not Funded	$50,000	Ballard		

System Summary for Kevil Water Department

PWSID	KY0040223	Treats Water	Yes, 1 plant with total capacity of 0.360 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$11.23 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$13.48 per 4,000 gallons.	Total Connections	650
Residential Customers	626	Total Produced (MG)	39.500
Commercial Customers	21	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	30.280
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%

Total Distribution System Line Length = 23.27 miles (Distribution: 23.00 miles, Transmission: 0.27 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Kevil Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21007018	Kevil Water Dept.-New Water Tank	3-5 Years	Not Funded	$600,000	Ballard		
WX21007026	Kevil - New Liberty Church Road Water Main Extension	3-5 Years	Not Funded	$320,000	Ballard		
WX21007024	Kevil - Apperson Road Water Main Extension	3-5 Years	Not Funded	$250,000	Ballard		
WX21007007	City of Kevil New Water Well	0-2 Years	Not Funded	$220,000	Ballard		
WX21007025	Kevil - New US Hwy 60 and County Line Road Water Main Extension	3-5 Years	Not Funded	$205,000	Ballard		

System Summary for LaCenter Municipal Water Company

PWSID	KY0040228	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$18.75 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$28.06 per 4,000 gallons.	Total Connections	375
Residential Customers	300	Total Produced (MG)	37.000
Commercial Customers	75	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	30.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 12.27 miles (Distribution: 12.09 miles, Transmission: 0.18 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for LaCenter Municipal Water Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21007023	LaCenter - Demolition of Water Tank	3-5 Years	Not Funded	$200,000	Ballard	20	3
WX21007005	La Center Municipal Water- AC Line Replacement Phase III	3-5 Years	Not Funded	$250,000	Ballard	27	2
WX21007002	La Center Municipal Water- AC Line Replacement Phase II	3-5 Years	Not Funded	$250,000	Ballard		
WX21007019	LaCenter Municipal Water-Ac Line Replacement Phase I	3-5 Years	Not Funded	$200,000	Ballard		

System Summary for Wickliffe Municipal Water System

PWSID	KY0040469	Treats Water	Yes, 1 plant with total capacity of 1.800 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$16.75 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$16.75 per 4,000 gallons.	Total Connections	377
Residential Customers	358	Total Produced (MG)	111.500
Commercial Customers	18	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	106.390
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 19.09 miles (Distribution: 19.04 miles, Transmission: 0.05 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wickliffe Municipal Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21007021	Wickliffe - Morning Meadows Waterline Loop	3-5 Years	Not Funded	$240,050	Ballard		

Calloway County

- 2010 census population of 37,191 (18,065 households) with 68% serviceable.
- Projected 2020 population of 40,411 (change of 3,220).
- Calloway County has 274.30 miles of existing water lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,491,125.
- Estimated funding needs for projects from 6 to 10 years: $2,375,100.

Calloway County has a 2010 census population count of 37,191 (18,065 households) with a projected 2020 population count of 40,411 (17,019 households). Public water is currently available to approximately 68 percent of the county's households based on 2010 census counts. Over the next ten years approximately 10,324 serviceable households will be added through the construction of 2.00 miles of water line extensions and approximately 10,948 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Murray	3	$6,612,253	10,302	10,100	-	2.00	-
Dexter-Almo Heights Water District	5	$3,149,100	22	553	2.00	18.00	-
Murray Water District #2	1	$38,872	-	270	-	-	-
Stella Trailer Park	1	$66,000	-	25	-	-	-
Totals:	**10**	**$9,866,225**	**10,324**	**10,948**	**2.00**	**20.00**	**-**

Community Drinking Water Systems in Calloway County

Note: Serviceability counts are for households within Calloway county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0180509	Center Ridge #2	Calloway	116	119
KY0180502	Center Ridge #3	Calloway	87	59
KY0180549	Center Ridge Water District	Calloway	36	54
KY0180102	Dexter Almo Heights Water District	Calloway	2,128	920
KY0180308	Murray Water District #2	Calloway	730	334
KY0180306	Murray Water System	Calloway	21,763	10,301
KY0180185	South 641 Water District	Calloway	725	359
KY0180914	Stella Trailer Park	Calloway	45	23
KY0420084	Graves County Water District (Consumers)	Graves	56	27
		Totals:	25,686	12,196

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
CALLOWAY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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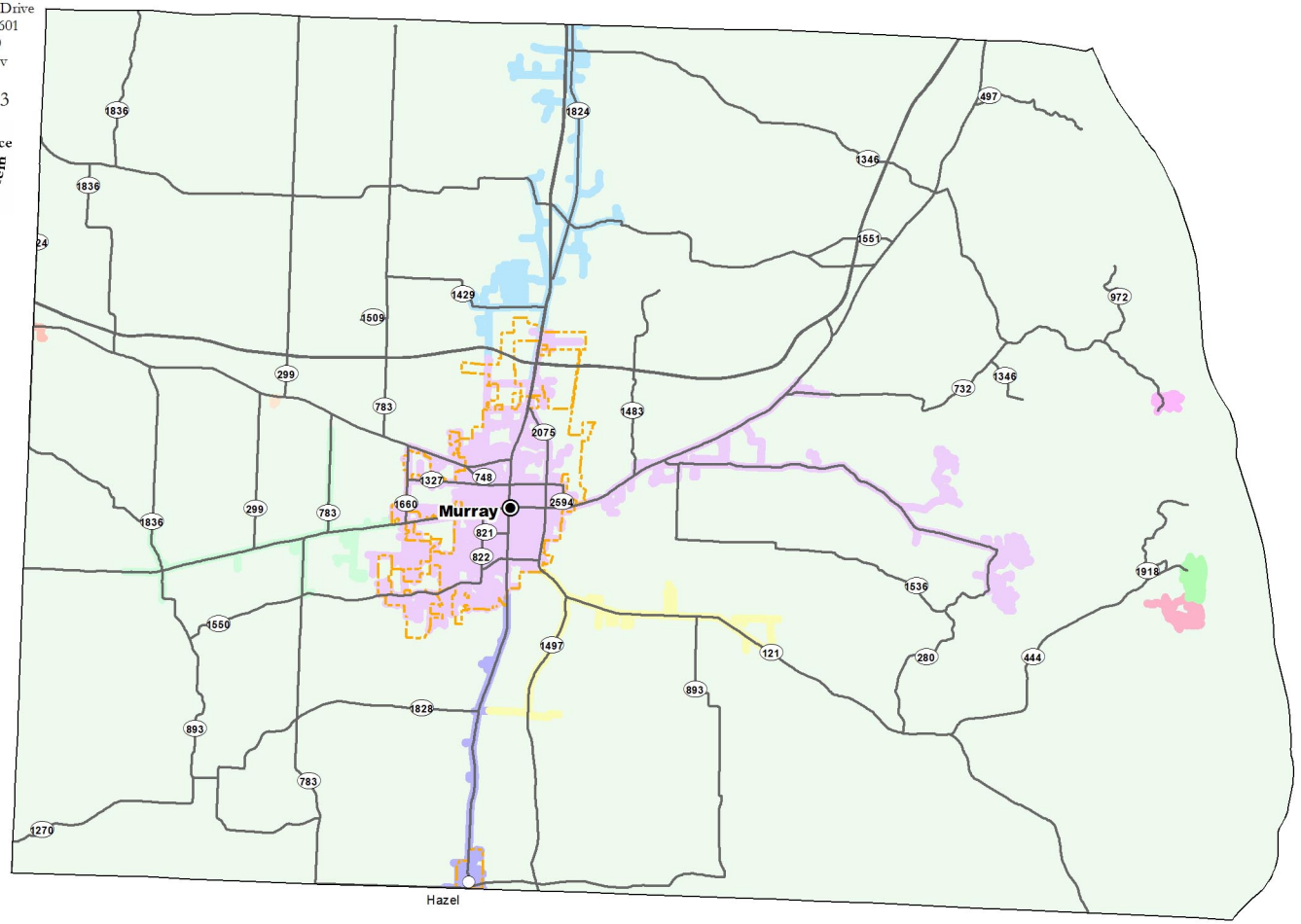


WATER SERVICE BY OWNER

- CENTER RIDGE #2
- CENTER RIDGE #3
- CENTER RIDGE WATER DISTRICT
- DEXTER ALMO HEIGHTS WATER DISTRICT
- GRAVES COUNTY WATER DISTRICT (CONSUMERS)
- MURRAY WATER DISTRICT #2
- MURRAY WATER DISTRICT #3
- MURRAY WATER SYSTEM
- SOUTH 641 WATER DISTRICT
- STELLA TRAILER PARK

System Summary for Center Ridge #2

PWSID	KY0180509	Treats Water	Yes, 1 plant with total capacity of 0.101 MGD.
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	Yes, 2 sources.
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	$22.29 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	128
Residential Customers	128	Total Produced (MG)	3.060
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2.550
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 5.54 miles (Distribution: 5.53 miles, Transmission: 0.01 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Center Ridge #2

Calloway County (continued)

System Summary for Center Ridge #3

PWSID	KY0180502	Treats Water	Yes, 1 plant with total capacity of 0.101 MGD.
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	Yes, 2 sources.
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	$22.29 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	72
Residential Customers	72	Total Produced (MG)	2.551
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2.060
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 4.36 miles (Distribution: 4.33 miles, Transmission: 0.04 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Center Ridge #3

System Summary for Center Ridge Water District

PWSID	KY0180549	Treats Water	Yes, 1 plant with total capacity of 0.050 MGD.
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	Yes, 1 source.
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	$22.29 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	94
Residential Customers	94	Total Produced (MG)	3.060
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2.652
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 2.17 miles (Distribution: 2.13 miles, Transmission: 0.04 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Center Ridge Water District

System Summary for Dexter Almo Heights Water District

PWSID	KY0180102	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$19.97 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	787
Residential Customers	759	Total Produced (MG)	-
Commercial Customers	25	Total Purchased (MG)	45.539
Institutional Customers	-	Total Inside Usage (MG)	41.719
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 33.63 miles (Distribution: 33.48 miles, Transmission: 0.15 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Dexter Almo Heights Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035031	Dexter-Almo Heights Water District- Replace Asbestos Cement Line	6-10 Years	Not Funded	$2,375,100	Calloway		
WX21035035	Dexter-Almo Heights- Hwy 464 extension from Hopkins Road	3-5 Years	Not Funded	$300,000	Calloway		
WX21035005	Dexter-Almo Heights- Stonecrop Road Extension	3-5 Years	Not Funded	$210,000	Calloway		
WX21035030	Dexter-Almo Heights Water District- Boggess Drive Loop	3-5 Years	Not Funded	$180,000	Calloway		
WX21035034	Dexter-Almo Heights- Hwy 464 extension from Hwy 641	3-5 Years	Not Funded	$84,000	Calloway		

System Summary for Murray Water District #2

PWSID	KY0180308	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$15.70 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	271
Residential Customers	286	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	21.126
Institutional Customers	-	Total Inside Usage (MG)	16.745
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 15.51 miles (Distribution: 15.51 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Murray Water District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035001	Automated Water meters	0-2 Years	Partially Funded	$38,872	Calloway		

System Summary for Murray Water System

PWSID	KY0180306	Treats Water	Yes, 1 plant with total capacity of 7.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 6 sources.
Employees	12	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$19.69 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$34.40 per 4,000 gallons.	Total Connections	7,385
Residential Customers	7,385	Total Produced (MG)	1,120.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	1,355	Total Inside Usage (MG)	1,001.425
Industrial Customers	12	Total Wholesale Sold (MG)	87.835
Wholesale Customers	3	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 199.46 miles (Distribution: 198.49 miles, Transmission: 0.97 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Murray Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035043	Murray WTP Switchgear	0-2 Years	Not Funded	$1,705,000	Calloway	5	1
WX21035008	City of Murray- System Improvements	3-5 Years	Not Funded	$315,000	Calloway		

System Summary for South 641 Water District

PWSID	KY0180185	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$31.10 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	394
Residential Customers	365	Total Produced (MG)	-
Commercial Customers	55	Total Purchased (MG)	21.170
Institutional Customers	-	Total Inside Usage (MG)	18.591
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 12.78 miles (Distribution: 12.78 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for South 641 Water District

System Summary for Stella Trailer Park

PWSID	KY0180914	Treats Water	Yes, 1 plant with total capacity of 0.036 MGD.
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	Yes, 1 source.
Employees	1	Wholesale Purchaser	No
Non-Municipal Cost	$25.00 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	30
Residential Customers	30	Total Produced (MG)	1.800
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1.500
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 0.37 miles (Distribution: 0.37 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Stella Trailer Park

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035002	Stella Trailer Park-Line Replacement and Metering	3-5 Years	Not Funded	$66,000	Calloway		

Carlisle County

- 2010 census population of 5,104 (2,441 households) with 40% serviceable.
- Projected 2020 population of 4,947 (change of -157).
- Carlisle County has 39.33 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 61.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,316,430.
- Estimated funding needs for projects from 6 to 10 years: $3,573,548.

Carlisle County has a 2010 census population count of 5,104 (2,441 households) with a projected 2020 population count of 4,947 (2,093 households). Public water is currently available to approximately 40 percent of the county's households based on 2010 census counts. Over the next ten years approximately 185 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 1,902 instances of improved service through the rehabilitation of 61.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Arlington	6	$3,342,972	-	735	-	14.00	2.00
City of Bardwell	7	$2,827,006	30	730	-	33.00	-
Cunningham Water District	3	$2,920,000	136	151	10.00	5.00	-
Milburn Water District	4	$2,800,000	19	286	3.00	9.00	-
Totals:	**20**	**$11,889,978**	**185**	**1,902**	**13.00**	**61.00**	**2.00**

Community Drinking Water Systems in Carlisle County

Note: Serviceability counts are for households within Carlisle county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0200009	Arlington Water Department	Carlisle	387	197
KY0200018	Bardwell City Utilities	Carlisle	807	434
KY0200095	Cunningham Water District	Carlisle	330	158
KY0200284	Milburn Water District	Carlisle	311	144
KY0420027	Graves County Water District (Fancy Farm)	Graves	94	38
		Totals:	1,929	971

Kentucky Infrastructure Authority
January 04, 2019

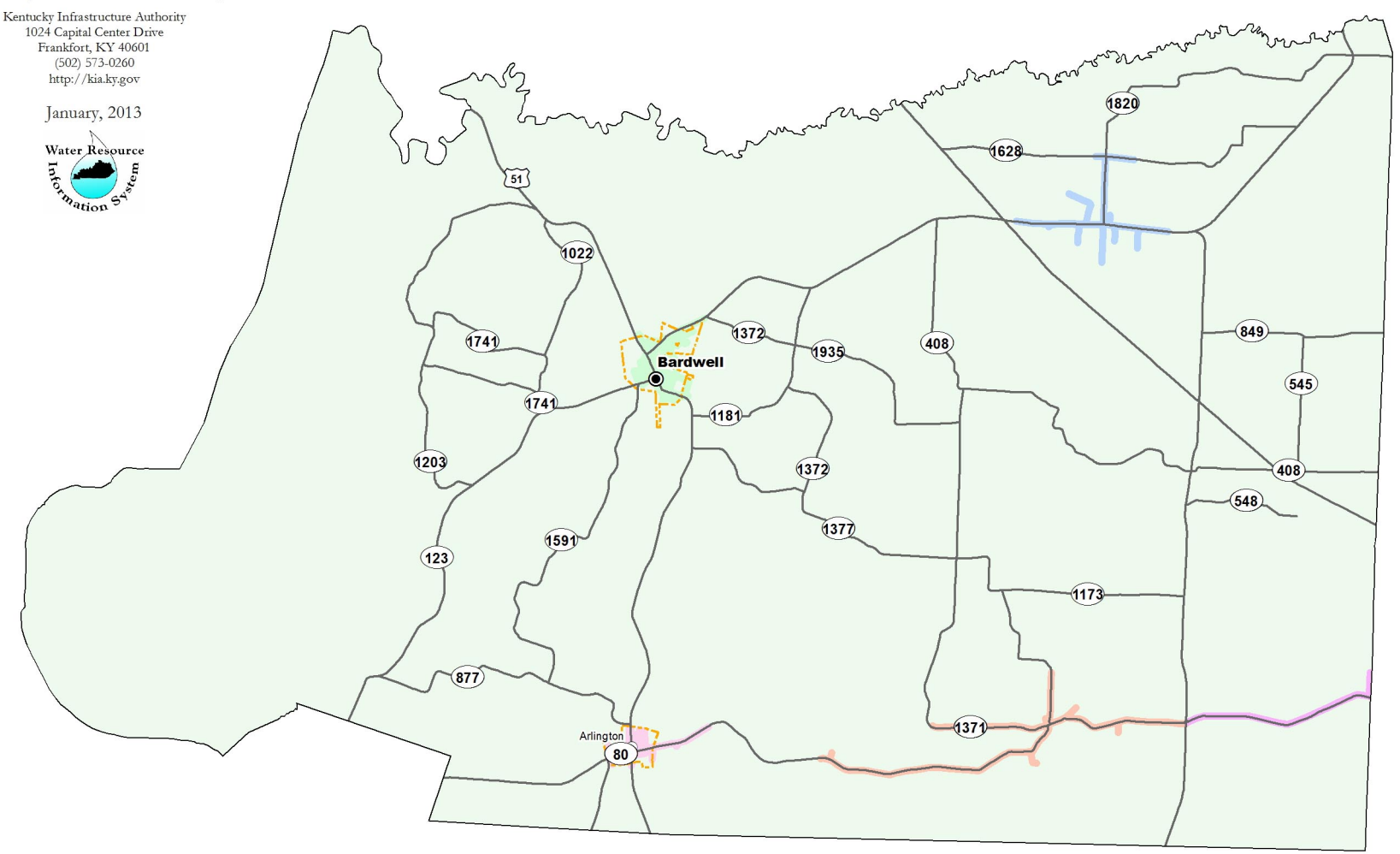
WATER SERVICE AREAS
CARLISLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



System Summary for Arlington Water Department

PWSID	KY0200009	Treats Water	Yes, 1 plant with total capacity of 0.288 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$21.54 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	193
Residential Customers	174	Total Produced (MG)	10.500
Commercial Customers	19	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	7.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 5.05 miles (Distribution: 5.00 miles, Transmission: 0.04 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Arlington Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21039032	City of Arlington- Water Tank Mixing System	3-5 Years	Not Funded	$40,000	Carlisle	24	1
WX21039028	City of Arlington - Cast Iron Water Main Replacement	3-5 Years	Not Funded	$2,251,000	Carlisle		
WX21039031	City of Arlington- WTP and Wells Relocation	3-5 Years	Not Funded	$600,000	Carlisle		
WX21039011	City of Arlington-Arlington to Berkley Extension	6-10 Years	Not Funded	$344,604	Carlisle		
WX21039001	City of Arlington-Extension to Milburn	3-5 Years	Not Funded	$56,368	Carlisle		
WX21039030	City of Arlington - WTP Generator	3-5 Years	Not Funded	$51,000	Carlisle		

System Summary for Bardwell City Utilities

PWSID	KY0200018	Treats Water	Yes, 1 plant with total capacity of 0.504 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$18.80 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	421
Residential Customers	370	Total Produced (MG)	32.000
Commercial Customers	68	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	23.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 14.13 miles (Distribution: 13.25 miles, Transmission: 0.89 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Bardwell City Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21039021	City of Bardwell-Well Relocation	3-5 Years	Not Funded	$300,000	Carlisle	17	3
WX21039024	City of Bardwell - Carlisle County High School Connection	3-5 Years	Not Funded	$1,400,000	Carlisle		
WX21039010	City of Bardwell-Southwest Bardwell Line Extension	3-5 Years	Not Funded	$357,682	Carlisle		
WX21039020	City of Bardwell-Cast Iron Main Replacement	3-5 Years	Not Funded	$340,000	Carlisle		
WX21039003	City of Bardwell-Extension to Cunningham	3-5 Years	Not Funded	$208,780	Carlisle		
WX21039002	City of Bardwell-Extension to Arlington	6-10 Years	Not Funded	$138,944	Carlisle		
WX21039029	City of Bardwell - WTP Generator	3-5 Years	Not Funded	$81,600	Carlisle		

System Summary for Cunningham Water District

PWSID	KY0200095	Treats Water	Yes, 1 plant with total capacity of 0.150 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	$31.28 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	162
Residential Customers	148	Total Produced (MG)	8.501
Commercial Customers	10	Total Purchased (MG)	-
Institutional Customers	2	Total Inside Usage (MG)	8.085
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 7.28 miles (Distribution: 7.24 miles, Transmission: 0.04 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Cunningham Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21039008	Cunningham WD-Northeast Carlisle County Loop	6-10 Years	Not Funded	$1,590,000	Carlisle		
WX21039005	Cunningham-Replace AC Mains	3-5 Years	Not Funded	$830,000	Carlisle		
WX21039022	Cunningham Water District-Summers and Pat Sims Roads Loop	3-5 Years	Not Funded	$500,000	Carlisle		

System Summary for Milburn Water District

PWSID	KY0200284	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$34.20 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	131
Residential Customers	128	Total Produced (MG)	-
Commercial Customers	3	Total Purchased (MG)	15.210
Institutional Customers	-	Total Inside Usage (MG)	9.767
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	36%

Total Distribution System Line Length = 9.41 miles (Distribution: 9.41 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Milburn Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21039033	AC Line Rehabilitation	6-10 Years	Not Funded	$1,500,000	Carlisle	23	2
WX21039026	Milburn Water District - Loop Dead End Line On KY 80	3-5 Years	Not Funded	$595,000	Carlisle		
WX21039025	Milburn Water District - Water Tower	3-5 Years	Not Funded	$355,000	Carlisle		
WX21039027	Milburn Water District - Loop Dead End Lines On KY 1377	3-5 Years	Not Funded	$350,000	Carlisle		

Fulton County

- 2010 census population of 6,813 (3,372 households) with 88% serviceable.
- Projected 2020 population of 6,223 (change of -590).
- Fulton County has 139.54 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,598,523.
- There are no projects planned from 6 to 10 years.

Fulton County has a 2010 census population count of 6,813 (3,372 households) with a projected 2020 population count of 6,223 (2,728 households). Public water is currently available to approximately 88 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,750 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 2,998 instances of improved service through the rehabilitation of 2.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Fulton	2	$1,086,000	-	1,640	-	2.00	-
City of Hickman	5	$1,512,523	3,750	1,358	-	-	-
Totals:	**7**	**$2,598,523**	**3,750**	**2,998**	**-**	**2.00**	**-**

Community Drinking Water Systems in Fulton County

Note: Serviceability counts are for households within Fulton county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0380149	Fulton Municipal Water System	Fulton	3,090	1,657
KY0380193	Hickman Water Department	Fulton	2,868	1,299
		Totals:	5,958	2,956

Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
FULTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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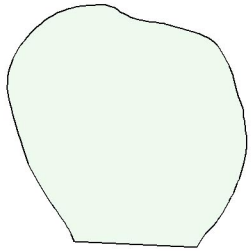
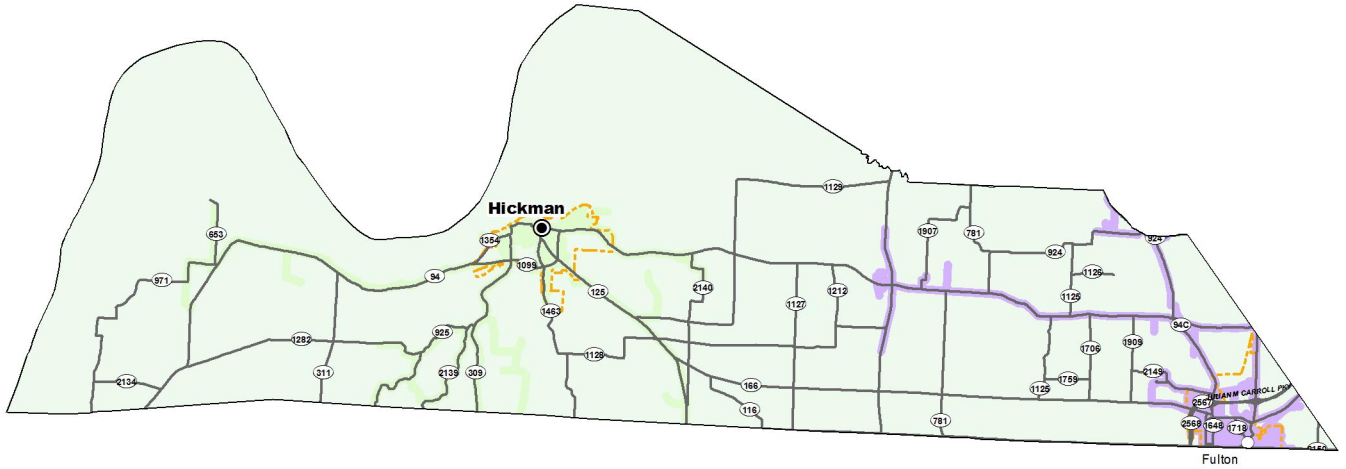
Water Resource Information System





WATER SERVICE BY OWNER

- FULTON MUNICIPAL WATER SYSTEM
- HICKMAN WATER DEPARTMENT

Fulton County (continued)

System Summary for Fulton Municipal Water System

PWSID	KY0380149	Treats Water	Yes, 1 plant with total capacity of 0.950 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$13.45 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$48.14 per 4,000 gallons.	Total Connections	1,784
Residential Customers	1,638	Total Produced (MG)	201.500
Commercial Customers	140	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	184.000
Industrial Customers	6	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 79.36 miles (Distribution: 79.30 miles, Transmission: 0.06 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Fulton Municipal Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21075003	Fulton Municipal to South Graves Interconnect	6-10 Years	Not Funded	$65,572	Fulton	19	2
WX21075002	Fulton Municipal Water-Demolition of Old Clear Well & Degasifier	3-5 Years	Not Funded	$386,000	Fulton	30	3
WX21075007	Fulton Municipal Water System-Line Replacement	0-2 Years	Partially Funded	$700,000	Fulton		

Fulton County (continued)

System Summary for Hickman Water Department

PWSID	KY0380193	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$21.00 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$31.00 per 4,000 gallons.	Total Connections	1,333
Residential Customers	1,146	Total Produced (MG)	120.000
Commercial Customers	186	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	114.430
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 70.21 miles (Distribution: 70.03 miles, Transmission: 0.18 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hickman Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21075020	Water Treatment Plant Modification	0-2 Years	Not Funded	$397,000	Fulton	6	1
WX21075005	Hickman Water Department-WTP Rehab	0-2 Years	Partially Funded	$900,523	Fulton		
WX21075015	City of Hickman- New Water Tank	3-5 Years	Not Funded	$150,000	Fulton		
WX21075017	Water Filter Tank Rehabilitation, City of Hickman	0-2 Years	Not Funded	$55,000	Fulton		
WX21075016	City of Hickman- Inspection of 2 Hwy 94 Water Tanks	3-5 Years	Not Funded	$10,000	Fulton		

Graves County

- 2010 census population of 37,121 (16,777 households) with 69% serviceable.
- Projected 2020 population of 37,630 (change of 509).
- Graves County has 407.70 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 56.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $24,232,801.
- Estimated funding needs for projects from 6 to 10 years: $382,616.

Graves County has a 2010 census population count of 37,121 (16,777 households) with a projected 2020 population count of 37,630 (15,459 households). Public water is currently available to approximately 69 percent of the county's households based on 2010 census counts. Over the next ten years approximately 114 serviceable households will be added through the construction of 1.00 miles of water line extensions and approximately 6,583 instances of improved service through the rehabilitation of 56.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Fulton	1	$65,572	-	5	-	-	-
City of Mayfield	3	$637,540	11	-	1.00	-	-
City of Wingo	1	$300,000	-	313	-	-	-
Graves County Water District	7	$1,587,564	29	152	-	8.00	-
Hickory Water District	10	$2,423,000	74	246	-	17.00	-
Mayfield Electric & Water Systems	22	$18,758,044	-	5,488	-	24.00	-
Sedalia Water District	2	$510,000	-	268	-	3.00	-
Symsonia Water District	1	$333,697	-	111	-	4.00	-
Totals:	**47**	**$24,615,417**	**114**	**6,583**	**1.00**	**56.00**	**-**

Community Drinking Water Systems in Graves County

Note: Serviceability counts are for households within Graves county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0420084	Graves County Water District (Consumers)	Graves	4,868	2,125
KY0420027	Graves County Water District (Fancy Farm)	Graves	1,139	499
KY0420172	Graves County Water District (Hardeman)	Graves	888	410
KY0420194	Graves County Water District (Hickory)	Graves	3,396	1,551
KY0420534	Graves County Water District (Sedalia)	Graves	322	146
KY0420405	Graves County Water District (South Graves)	Graves	2,342	1,058
KY0420274	Mayfield Electric & Water System	Graves	10,709	5,015
KY0420423	Symsonia Water District	Graves	704	362
KY0420475	Wingo Water & Sewer Department	Graves	703	307
KY0730533	Paducah Water Works	McCracken	200	86
		Totals:	25,271	11,559

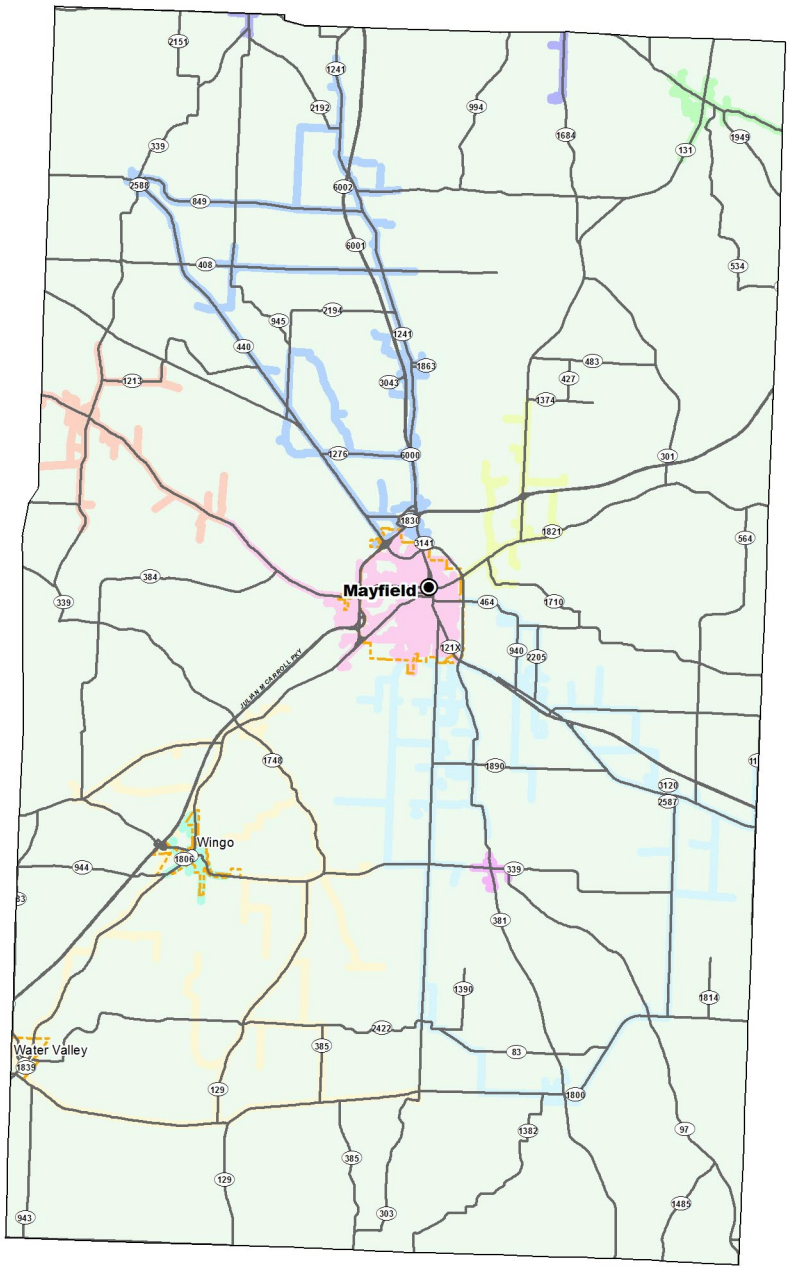
Kentucky Infrastructure Authority
January 04, 2019

WATER SERVICE AREAS
GRAVES COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013



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WATER SERVICE BY OWNER

- GRAVES COUNTY WATER DISTRICT (CONSUMERS)
- GRAVES COUNTY WATER DISTRICT (FANCY FARM)
- GRAVES COUNTY WATER DISTRICT (HARDEMAN)
- GRAVES COUNTY WATER DISTRICT (SOUTH GRAVES)
- HICKORY WATER DISTRICT
- MAYFIELD ELECTRIC & WATER SYSTEM
- PADUCAH WATER WORKS
- SEDALIA WATER DISTRICT
- SYMSONIA WATER DISTRICT
- WINGO WATER & SEWER DEPARTMENT

System Summary for Graves County Water District (Consumers)

PWSID	KY0420084	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$24.09 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,743
Residential Customers	1,682	Total Produced (MG)	-
Commercial Customers	61	Total Purchased (MG)	110.000
Institutional Customers	-	Total Inside Usage (MG)	99.530
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 100.58 miles (Distribution: 100.18 miles, Transmission: 0.40 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Graves County Water District (Consumers)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083037	Graves County Water District (Consumers)-Cuba Water Tank	3-5 Years	Not Funded	$337,480	Graves		
WX21083009	Consumers- Cuba School Rd. Line Extension	3-5 Years	Not Funded	$258,686	Graves		
WX21083056	Graves County Water District (Consumers)-Scott Road Loop	3-5 Years	Not Funded	$123,398	Graves		

System Summary for Graves County Water District (Fancy Farm)

PWSID	KY0420027	Treats Water	Yes, 1 plant with total capacity of 0.432 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	1	Wholesale Purchaser	No
Non-Municipal Cost	$24.09 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	420
Residential Customers	400	Total Produced (MG)	39.000
Commercial Customers	20	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	21.440
Industrial Customers	-	Total Wholesale Sold (MG)	15.210
Wholesale Customers	1	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 27.57 miles (Distribution: 27.54 miles, Transmission: 0.04 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Graves County Water District (Fancy Farm)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083069	Graves County Water District-KY 339 Water Main Extension/Replace	3-5 Years	Not Funded	$393,000	Graves		
WX21083042	Graves County Water (Fancy Farm)-KY339 Water Line Replacement	3-5 Years	Not Funded	$120,000	Graves		

System Summary for Graves County Water District (Hardeman)

PWSID	KY0420172	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$24.09 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	391
Residential Customers	365	Total Produced (MG)	28.000
Commercial Customers	16	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	26.592
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 16.35 miles (Distribution: 15.34 miles, Transmission: 1.00 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Graves County Water District (Hardeman)

System Summary for Graves County Water District (Hickory)

PWSID	KY0420194	Treats Water	Yes, 1 plant with total capacity of 1.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 3 sources.
Employees	1	Wholesale Purchaser	No
Non-Municipal Cost	$24.09 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,320
Residential Customers	1,118	Total Produced (MG)	120.000
Commercial Customers	184	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	101.488
Industrial Customers	16	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 69.46 miles (Distribution: 69.29 miles, Transmission: 0.17 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Graves County Water District (Hickory)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083028	Hickory Water District-Hickory Road Extension	3-5 Years	Not Funded	$585,000	Graves		
WX21083024	Hickory Water District-Meridian Road From Hickory Road to KY-408	3-5 Years	Not Funded	$405,000	Graves		
WX21083027	Hickory Water District- KY 339 Extension to New Pathways	3-5 Years	Not Funded	$285,000	Graves		
WX21083026	Hickory Water District-KY 945 Extension to New Pathways	3-5 Years	Not Funded	$265,000	Graves		
WX21083077	Hickory Water-AC Replacement On West Plains, Southern, & Sophia	3-5 Years	Not Funded	$258,000	Graves		
WX21083035	Hickory Water District-Pottsville to KY 849	3-5 Years	Not Funded	$200,000	Graves		
WX21083036	Hickory Water District-Pottsville to KY 440	3-5 Years	Not Funded	$175,000	Graves		
WX21083076	Hickory Water-AC Replacement On Fondo, Fuma & Construction	3-5 Years	Not Funded	$95,000	Graves		
WX21083075	Hickory Water District - AC Main Replacement On Treeland	3-5 Years	Not Funded	$80,000	Graves		
WX21083078	Hickory Water-AC Replacement On Hwy 121, Logsdon Dr. & Haven	3-5 Years	Not Funded	$75,000	Graves		

System Summary for Graves County Water District (Sedalia)

PWSID	KY0420534	Treats Water	Yes, 1 plant with total capacity of 0.130 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	1	Wholesale Purchaser	No
Non-Municipal Cost	$22.98 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	120
Residential Customers	109	Total Produced (MG)	9.000
Commercial Customers	8	Total Purchased (MG)	-
Institutional Customers	6	Total Inside Usage (MG)	7.907
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 3.63 miles (Distribution: 3.60 miles, Transmission: 0.03 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Graves County Water District (Sedalia)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083012	Sedalia Water-AC Line Replacement	3-5 Years	Not Funded	$500,000	Graves		
WX21083020	Sedalia Water-Hydrants, Sample Stations, Land Acquisitions	3-5 Years	Not Funded	$10,000	Graves		

System Summary for Graves County Water District (South Graves)

PWSID	KY0420405	Treats Water	Yes, 1 plant with total capacity of 0.432 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	1	Wholesale Purchaser	No
Non-Municipal Cost	$24.09 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	675
Residential Customers	638	Total Produced (MG)	68.420
Commercial Customers	37	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	40.328
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 73.96 miles (Distribution: 73.91 miles, Transmission: 0.04 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Graves County Water District (South Graves)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083022	Graves County Water District (South Graves)-Interconnection	3-5 Years	Not Funded	$275,000	Graves		
WX21083019	Graves County Water District (South Graves)-Boyd Road/Wray Road	3-5 Years	Not Funded	$80,000	Graves		

System Summary for Mayfield Electric & Water System

PWSID	KY0420274	Treats Water	Yes, 1 plant with total capacity of 2.880 MGD.
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 3 sources.
Employees	40	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$24.09 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	4,885
Residential Customers	4,225	Total Produced (MG)	710.000
Commercial Customers	658	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	558.000
Industrial Customers	-	Total Wholesale Sold (MG)	110.000
Wholesale Customers	2	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 96.79 miles (Distribution: 96.67 miles, Transmission: 0.12 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Mayfield Electric & Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083062	Mayfield Electric & Water-WTP Clearwell Rehabilitation	3-5 Years	Not Funded	$250,000	Graves	7	6
WX21083070	Mayfield Electric & Water- South Bypass Transmission Improv.	3-5 Years	Not Funded	$2,829,000	Graves		
WX21083063	Mayfield Electric & Water- Mayfield WTP Rehabilitation	3-5 Years	Not Funded	$2,575,000	Graves		
WX21083072	Mayfield Water- KY-121 Truck Route Transmission Improv. Phase I	3-5 Years	Not Funded	$2,378,000	Graves		
WX21083047	Mayfield Electric & Water - WTP Controls Upgrade & Telemetry	3-5 Years	Not Funded	$2,100,000	Graves		
WX21083073	Mayfield Water- KY-121 Truck Route Transmission Improv. Phase II	3-5 Years	Not Funded	$1,283,000	Graves		
WX21083074	Mayfield Electric & Water- Kess Street Transmission Improvements	3-5 Years	Not Funded	$1,203,000	Graves		
WX21083059	Mayfield Electric & Water-Mayfield West Tranmission Improvements	3-5 Years	Not Funded	$1,135,000	Graves		
WX21083058	Mayfield Electric & Water- Willow Drive Main Replacement	3-5 Years	Not Funded	$849,000	Graves		
WX21083068	Mayfield Electric & Water- South 10th St. Transmission Improv.	3-5 Years	Not Funded	$758,000	Graves		
WX21083071	Mayfield Electric & Water- Farthing Street Transmission Improvements	3-5 Years	Not Funded	$707,000	Graves		
WX21083050	Mayfield Electric & Water - Replace Water Main (Macedonia St)	3-5 Years	Not Funded	$585,000	Graves		
WX21083046	Mayfield Electric & Water - Repaint 12th Street Water Tank	3-5 Years	Not Funded	$350,000	Graves		
WX21083064	Mayfield Electric & Water- Hwy 303 Main Replacement	3-5 Years	Not Funded	$331,000	Graves		
WX21083021	Water Line Extension to Wildwood Subdivision	0-2 Years	Not Funded	$319,405	Graves		
WX21083011	Mayfield Line Extension KY 1748	6-10 Years	Not Funded	$317,044	Graves		
WX21083045	Mayfield Electric & Water - Repaint Pine Lake Water Tank	3-5 Years	Not Funded	$300,000	Graves		
WX21083049	Mayfield Electric & Water - Replace Water Main (Hwy 303)	3-5 Years	Not Funded	$300,000	Graves		

System Summary for Symsonia Water District

PWSID	KY0420423	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$23.11 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	318
Residential Customers	297	Total Produced (MG)	19.865
Commercial Customers	20	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	16.992
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 10.06 miles (Distribution: 10.03 miles, Transmission: 0.03 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Symsonia Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083015	Symsonia Extension KY 131	3-5 Years	Not Funded	$333,697	Graves		

System Summary for Wingo Water & Sewer Department

PWSID	KY0420475	Treats Water	Yes, 1 plant with total capacity of 0.360 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$11.50 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$11.50 per 4,000 gallons.	Total Connections	297
Residential Customers	278	Total Produced (MG)	23.331
Commercial Customers	19	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	15.710
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%
Total Distribution System Line Length = 9.19 miles (Distribution: 8.96 miles, Transmission: 0.23 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wingo Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21083013	City of Wingo- Replace Water Tank	3-5 Years	Not Funded	$300,000	Graves		

Hickman County

- 2010 census population of 4,902 (2,342 households) with 39% serviceable.
- Projected 2020 population of 4,625 (change of -277).
- Hickman County has 29.82 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- There are no projects planned from 0 to 5 years.
- Estimated funding needs for projects from 6 to 10 years: $410,176.

Hickman County has a 2010 census population count of 4,902 (2,342 households) with a projected 2020 population count of 4,625 (1,938 households). Public water is currently available to approximately 39 percent of the county's households based on 2010 census counts. Over the next ten years approximately 17 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Arlington	1	$344,604	-	8	-	2.00	-
City of Fulton	1	$65,572	-	9	-	1.00	-
Totals:	**2**	**$410,176**	-	**17**	-	**3.00**	-

Community Drinking Water Systems in Hickman County

Note: Serviceability counts are for households within Hickman county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0530083	Columbus Water Works	Hickman	193	96
KY0530077	Utilities Inc.	Hickman	1,510	705
KY0380149	Fulton Municipal Water System	Fulton	188	104
		Totals:	1,891	905

Kentucky Infrastructure Authority
January 04, 2019

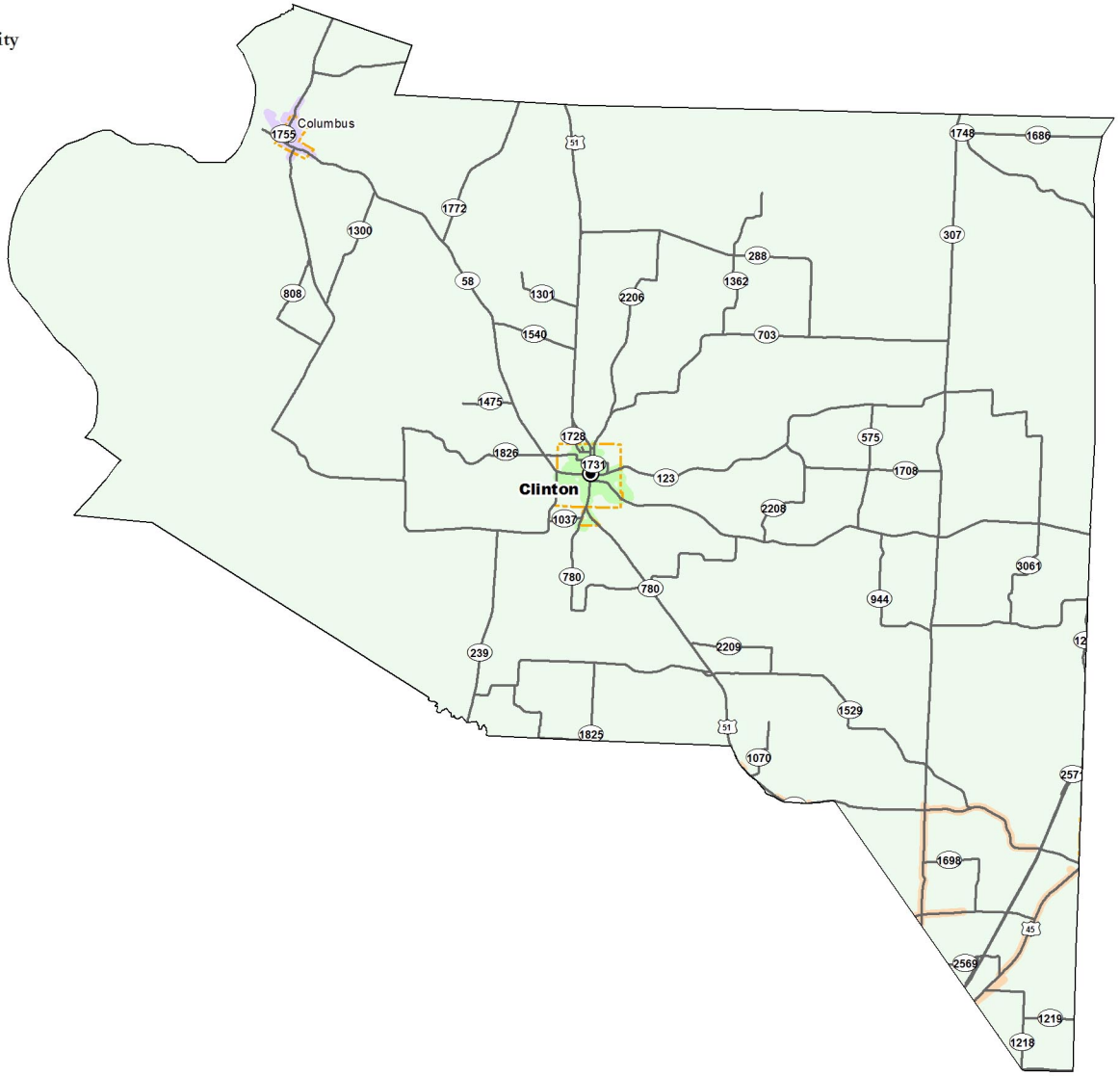
WATER SERVICE AREAS
HICKMAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- COLUMBUS WATER WORKS
- FULTON MUNICIPAL WATER SYSTEM
- WATER SERVICE CORPORATION OF KENTUCKY

System Summary for Columbus Water Works

PWSID	KY0530083	Treats Water	Yes, 1 plant with total capacity of 0.360 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 2 sources.
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$29.60 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$29.60 per 4,000 gallons.	Total Connections	74
Residential Customers	73	Total Produced (MG)	7.250
Commercial Customers	2	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	6.850
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 5.41 miles (Distribution: 4.33 miles, Transmission: 1.07 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Columbus Water Works

System Summary for Utilities Inc.

PWSID	KY0530077	Treats Water	Yes, 1 plant with total capacity of 0.550 MGD.
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	$27.44 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	608
Residential Customers	537	Total Produced (MG)	31.568
Commercial Customers	71	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	26.936
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 14.65 miles (Distribution: 14.59 miles, Transmission: 0.06 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Utilities Inc.

McCracken County

- 2010 census population of 65,565 (31,079 households) with 95% serviceable.
- Projected 2020 population of 66,621 (change of 1,056).
- McCracken County has 672.01 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 40.00 miles of line rehabilitation proposed in the next 10 years.
- 10.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $35,576,180.
- There are no projects planned from 6 to 10 years.

McCracken County has a 2010 census population count of 65,565 (31,079 households) with a projected 2020 population count of 66,621 (29,278 households). Public water is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 111 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 36,723 instances of improved service through the rehabilitation of 40.00 miles of existing water lines and other appurtenances. 10.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Kevil	2	$570,000	-	65	-	3.00	-
City of Paducah	1	$4,493,000	-	28,251	-	-	2.00
North Marshall Water District	1	$9,790,000	-	3	-	-	-
Paducah Water Works	43	$19,363,180	107	5,495	-	32.00	8.00
West McCracken County Water District	4	$1,360,000	4	2,909	-	5.00	-
Totals:	**51**	**$35,576,180**	**111**	**36,723**	**-**	**40.00**	**10.00**

Community Drinking Water Systems in McCracken County

Note: Serviceability counts are for households within McCracken county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0730533	Paducah Water Works	McCracken	57,887	27,702
KY0730454	West McCracken County Water District	McCracken	3,764	1,625
KY0040223	Kevil Water Department	Ballard	377	162
		Totals:	62,028	29,489

Kentucky Infrastructure Authority
January 04, 2019

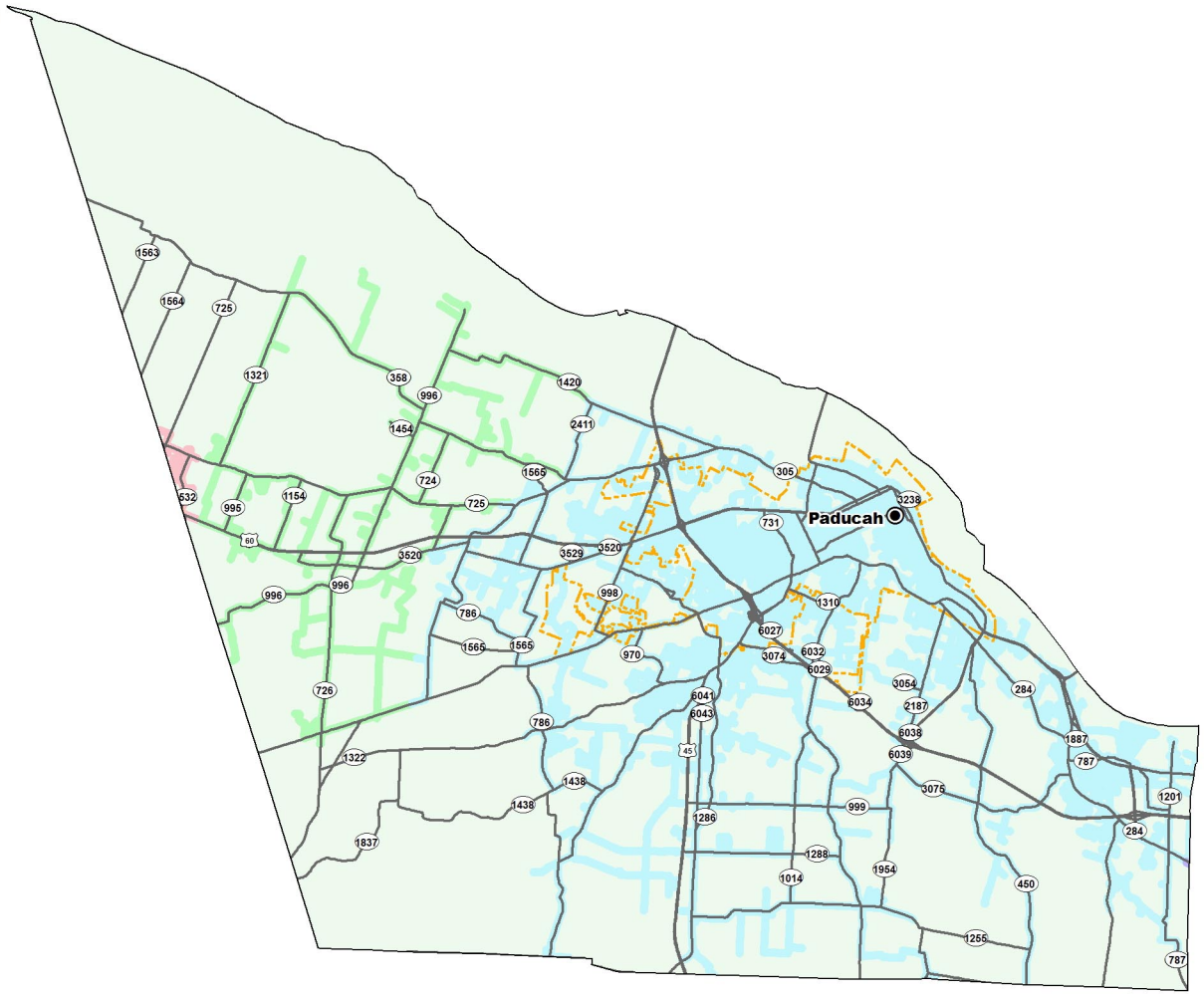
WATER SERVICE AREAS
MCCRACKEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



N

WATER SERVICE BY OWNER

- KEVIL WATER DEPARTMENT
- NORTH MARSHALL WATER DISTRICT
- PADUCAH WATER WORKS
- WEST MCCRACKEN COUNTY WATER DISTRICT

McCracken County (continued)

System Summary for Locust Valley Mobile Est

PWSID	KY0730522	Treats Water	No
System Type	Community	Surface Source	No
Owner Type		Groundwater Source	Yes, 1 source.
Employees	-	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	

Total Distribution System Line Length = 0.00 miles (Distribution: 0.00 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

There are no immediate projects for Locust Valley Mobile Est

System Summary for Paducah Water Works

PWSID	KY0730533	Treats Water	Yes, 1 plant with total capacity of 20.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	Yes, 7 sources.
Employees	52	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$17.32 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 10.000 MG.
Outside Mun. Cost	$17.32 per 4,000 gallons.	Total Connections	27,000
Residential Customers	23,829	Total Produced (MG)	2,881.868
Commercial Customers	2,773	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,548.196
Industrial Customers	-	Total Wholesale Sold (MG)	140.515
Wholesale Customers	3	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 603.95 miles (Distribution: 539.10 miles, Transmission: 64.85 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Paducah Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21145085	24" Transmission Main	3-5 Years	Partially Funded	$4,493,000	McCracken		
WX21145079	Paducah Water Work-Massac Elevated Storage Tank	3-5 Years	Not Funded	$2,067,000	McCracken		
WX21145015	Paducah Water-Hines Road, US 62, & Fisher Rd.	3-5 Years	Not Funded	$2,013,000	McCracken		
WX21145007	Paducah Water-Sunny Slope Tank Replacement	3-5 Years	Not Funded	$1,800,180	McCracken		
WX21145087	Paducah Water Works-Kentucky Ave/Brown Street Transmission Main	3-5 Years	Not Funded	$1,527,000	McCracken		
WX21145084	Paducah Water Works-US 60 West Main	3-5 Years	Not Funded	$1,379,000	McCracken		
WX21145052	Paducah Water-Husbands Road Replacement Phase I	3-5 Years	Not Funded	$885,000	McCracken		
WX21145080	Paducah Water Work-Mayfield Road	3-5 Years	Not Funded	$865,000	McCracken		
WX21145056	Paducah Water-John Puryear Drive Ext	3-5 Years	Not Funded	$603,000	McCracken		
WX21145086	Paducah Water Works-Mayfield Metropolis Road Main	3-5 Years	Not Funded	$600,000	McCracken		
WX21145077	Paducah Water-Phase V Lone Oak Replacement	3-5 Years	Not Funded	$491,000	McCracken		
WX21145053	Paducah Water-Lone Oak Rd(US 45) Replacement	3-5 Years	Not Funded	$487,000	McCracken		
WX21145088	Paducah Water Works-Bryant Ford Road	3-5 Years	Not Funded	$278,000	McCracken		
WX21145076	Paducah Water Works-North 32nd Street	3-5 Years	Not Funded	$274,000	McCracken		
WX21145001	Paducah Water Works-Interconnection Project	0-2 Years	Not Funded	$250,000	McCracken		
WX21145039	Paducah Water-Moore Road (KY 1565) Ext.	0-2 Years	Not Funded	$207,000	McCracken		
WX21145082	Paducah Water Works-Culp Road/Terrace Lane Area	3-5 Years	Not Funded	$194,000	McCracken		
WX21145043	Paducah Water-Bryan Road Extension	3-5 Years	Not Funded	$165,000	McCracken		

System Summary for West McCracken County Water District

PWSID	KY0730454	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$32.96 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,537
Residential Customers	1,461	Total Produced (MG)	-
Commercial Customers	75	Total Purchased (MG)	140.515
Institutional Customers	-	Total Inside Usage (MG)	128.355
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 84.59 miles (Distribution: 77.42 miles, Transmission: 7.17 miles).

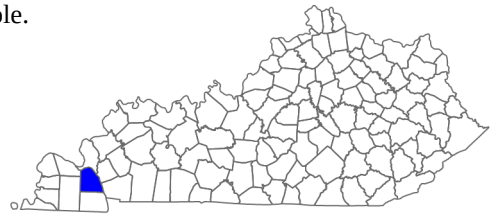
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West McCracken County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21145064	West McCracken Water- Main Replacement Ogden Landing Road	3-5 Years	Not Funded	$980,000	McCracken		
WX21145062	West McCracken - Alternative Power Supply	3-5 Years	Not Funded	$210,000	McCracken		
WX21145032	West McCracken Water District-Mayfield-Metropolis Extension	3-5 Years	Not Funded	$105,000	McCracken		
WX21145014	West McCracken County Water District- Tank Mixers	3-5 Years	Not Funded	$65,000	McCracken		

Marshall County

- 2010 census population of 31,448 (15,748 households) with 91% serviceable.
- Projected 2020 population of 33,023 (change of 1,575).
- Marshall County has 580.06 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 290.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $38,838,393.
- Estimated funding needs for projects from 6 to 10 years: $585,000.



Marshall County has a 2010 census population count of 31,448 (15,748 households) with a projected 2020 population count of 33,023 (14,122 households). Public water is currently available to approximately 91 percent of the county's households based on 2010 census counts. Over the next ten years approximately 128 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 13,208 instances of improved service through the rehabilitation of 290.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Benton	3	$1,840,500	-	253	-	4.00	-
City of Calvert City	16	$20,736,505	64	6,353	-	14.00	-
Jonathan Creek Water District	5	$1,294,388	25	422	-	18.00	-
Marshall County Fiscal Court	1	$382,000	39	192	-	7.00	-
North Marshall Water District	3	$15,170,000	-	5,988	3.00	247.00	3.00
Totals:	**28**	**$39,423,393**	**128**	**13,208**	**3.00**	**290.00**	**3.00**

Community Drinking Water Systems in Marshall County

Note: Serviceability counts are for households within Marshall county only.

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0790029	Benton Water & Sewer System	Marshall	6,557	2,960
KY0790056	Calvert City Municipal Water Department	Marshall	3,564	1,606
KY0790173	Hardin Water Department	Marshall	1,721	777
KY0790216	Jonathan Creek Water District	Marshall	4,525	2,728
KY0790319	North Marshall Water District	Marshall	10,945	5,705
KY0730533	Paducah Water Works	McCracken	1,086	464
		Totals:	28,398	14,240

Kentucky Infrastructure Authority
January 04, 2019

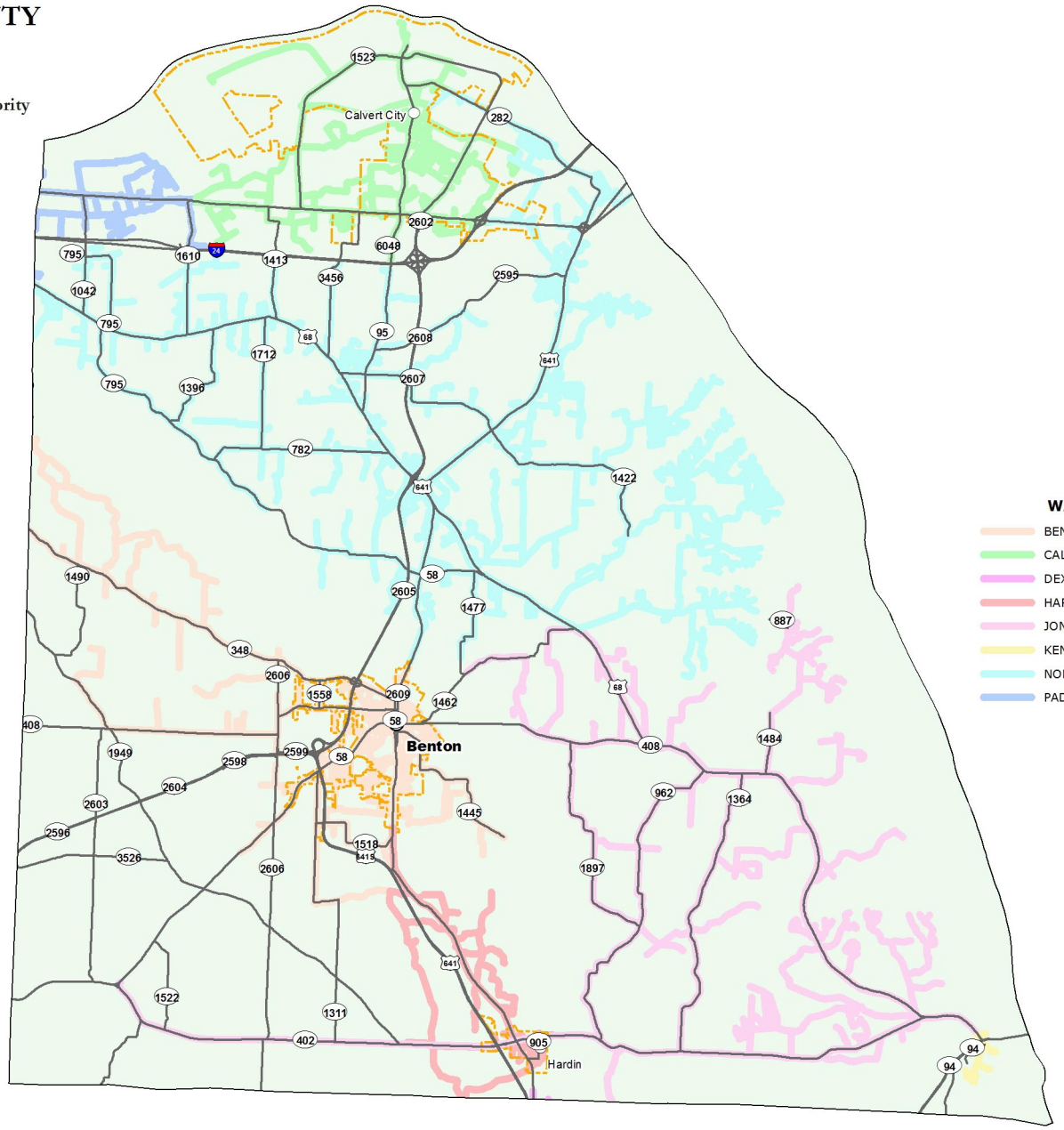
WATER SERVICE AREAS
MARSHALL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

January, 2013

Water Resource Information System



WATER SERVICE BY OWNER

- BENTON WATER & SEWER SYSTEM
- CALVERT CITY MUNICIPAL WATER DEPARTMENT
- DEXTER ALMO HEIGHTS WATER DISTRICT
- HARDIN WATER DEPARTMENT
- JONATHAN CREEK WATER DISTRICT
- KENTUCKY LAKE STATE RESORT PARK
- NORTH MARSHALL WATER DISTRICT
- PADUCAH WATER WORKS

System Summary for Benton Water & Sewer System

PWSID	KY0790029	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$14.00 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$16.00 per 4,000 gallons.	Total Connections	3,019
Residential Customers	2,707	Total Produced (MG)	305.000
Commercial Customers	309	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	220.000
Industrial Customers	-	Total Wholesale Sold (MG)	53.170
Wholesale Customers	3	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 97.24 miles (Distribution: 96.72 miles, Transmission: 0.52 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Benton Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21157007	City of Benton-Line Replacement Along Main Street	0-2 Years	Not Funded	$1,255,500	Marshall	12	3
WX21157014	City of Benton- Water Treatment Plant Upgrades	6-10 Years	Not Funded	$300,000	Marshall		
WX21157008	City of Benton- Line Replacement on Jackson School Rd.	6-10 Years	Not Funded	$285,000	Marshall		
WX21157020	New Booster Stations for Johnathan Creek and The City of Benton	0-2 Years	Not Funded	$107,500	Marshall		

System Summary for Calvert City Municipal Water Department

PWSID	KY0790056	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 3 sources.
Employees	8	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$14.95 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$22.57 per 4,000 gallons.	Total Connections	1,650
Residential Customers	1,375	Total Produced (MG)	474.000
Commercial Customers	256	Total Purchased (MG)	-
Institutional Customers	2	Total Inside Usage (MG)	399.000
Industrial Customers	14	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 71.05 miles (Distribution: 62.68 miles, Transmission: 8.37 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Calvert City Municipal Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21157037	City of Calvert City-Relocating Water Treatment Plant	3-5 Years	Not Funded	$15,000,000	Marshall		
WX21157047	City of Calvert City- Riverport Water Line Extensions	0-2 Years	Not Funded	$2,000,000	Marshall		
WX21157019	HEIGHTS PHASE IV WATER MAIN REPLACEMENT – CHERRY & CEDAR STREETS	0-2 Years	Partially Funded	$666,100	Marshall		
WX21157041	City of Calvert City-Meter Replacement Program	0-2 Years	Not Funded	$600,000	Marshall		
WX21157017	Calvert Heights Water Main Replacement Project Phase III	0-2 Years	Partially Funded	$576,113	Marshall		
WX21157016	City of Calvert City-KY1523 Waterline Extension	3-5 Years	Not Funded	$443,819	Marshall		
WX21157015	City of Calvert City-South Waterline Extension	3-5 Years	Not Funded	$439,472	Marshall		
WX21157042	City of Calvert City-New WTP Filters	3-5 Years	Not Funded	$300,000	Marshall		
WX21157039	City of Calvert City-New Well Field	3-5 Years	Not Funded	$200,000	Marshall		
WX21157040	City of Calvert City-Line Evaluation and Rehab	0-2 Years	Not Funded	$100,000	Marshall		
WX21157036	City of Calvert City-WTP to Cypress Creek Main Replacement	3-5 Years	Not Funded	$100,000	Marshall		
WX21157031	City of Calvert City-Lone Valley Road Interconnect	3-5 Years	Not Funded	$100,000	Marshall		
WX21157048	City of Calvert City-Variable Frequency Drives	0-2 Years	Not Funded	$85,000	Marshall		
WX21157045	City of Calvert City-P.B. Cloud Road Extension	0-2 Years	Not Funded	$83,501	Marshall		
WX21157035	City of Calvert City-KY 282 North Marshall Interconnect	3-5 Years	Not Funded	$60,000	Marshall		
WX21157032	City of Calvert City-Dismore Lane Extension	3-5 Years	Not Funded	$22,500	Marshall		
WX21157034	City of Calvert City-Johnson Subdivision Extension	0-2 Years	Not Funded	$20,000	Marshall		

System Summary for Hardin Water Department

PWSID	KY0790173	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$25.60 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$25.60 per 4,000 gallons.	Total Connections	681
Residential Customers	652	Total Produced (MG)	-
Commercial Customers	29	Total Purchased (MG)	53.170
Institutional Customers	-	Total Inside Usage (MG)	48.500
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 29.55 miles (Distribution: 29.55 miles, Transmission: 0.00 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hardin Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21157007	City of Benton-Line Replacement Along Main Street	0-2 Years	Not Funded	$1,255,500	Marshall	12	3

System Summary for Jonathan Creek Water District

PWSID	KY0790216	Treats Water	Yes, 1 plant with total capacity of 2.000 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$29.12 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,588
Residential Customers	2,477	Total Produced (MG)	170.500
Commercial Customers	111	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	130.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%
Total Distribution System Line Length = 123.70 miles (Distribution: 123.69 miles, Transmission: 0.01 miles).			

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Jonathan Creek Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21157018	Jonathan Creek-Water Tank and Olive Creek Drive Ext.	0-2 Years	Not Funded	$475,000	Marshall		
WX21157006	Jonathan Creek Water District-Expansion	3-5 Years	Not Funded	$285,740	Marshall		
WX21157004	Jonathan Creek Water District-Expansion	3-5 Years	Not Funded	$226,148	Marshall		
WX21157044	Jonathan Creek-Phase III Expansion (Near KY-402)	3-5 Years	Not Funded	$200,000	Marshall		

System Summary for North Marshall Water District

PWSID	KY0790319	Treats Water	Yes, 2 plants with total capacity of 4.608 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 7 sources.
Employees	9	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$19.60 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,621
Residential Customers	5,621	Total Produced (MG)	439.639
Commercial Customers	238	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	422.691
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	3	Estimated Pct. Water Loss	4%

Total Distribution System Line Length = 239.62 miles (Distribution: 236.79 miles, Transmission: 2.83 miles).

MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for North Marshall Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21157029	Water Line and Booster Station Rehab and installation of Radio Read Meter	0-2 Years	Not Funded	$3,400,000	Marshall	8	2
WX21157011	North Marshall Water District- Line Replacement & New Tank	3-5 Years	Not Funded	$9,790,000	Marshall		
WX21157025	New Water Line and Booster Station	0-2 Years	Not Funded	$1,980,000	Marshall		
WX21157026	N. Marshall WD-Sharpe Community Water Main Extension	3-5 Years	Partially Funded	$382,000	Marshall		
WX21157035	City of Calvert City-KY 282 North Marshall Interconnect	3-5 Years	Not Funded	$60,000	Marshall		

Appendix A - Counties by Area Development District

County	ADD
Adair	LCADD
Allen	BRADD
Anderson	BGADD
Ballard	PUADD
Barren	BRADD
Bath	GWADD
Bell	CVADD
Boone	NKADD
Bourbon	BGADD
Boyd	FIVCO
Boyle	BGADD
Bracken	BTADD
Breathitt	KRADD
Breckinridge	LTADD
Bullitt	KIPDA
Butler	BRADD
Caldwell	PEADD
Calloway	PUADD
Campbell	NKADD
Carlisle	PUADD
Carroll	NKADD
Carter	FIVCO
Casey	LCADD
Christian	PEADD
Clark	BGADD
Clay	CVADD
Clinton	LCADD
Crittenden	PEADD
Cumberland	LCADD
Daviess	GRADD
Edmonson	BRADD
Elliott	FIVCO
Estill	BGADD
Fayette	BGADD
Fleming	BTADD
Floyd	BSADD
Franklin	BGADD
Fulton	PUADD
Gallatin	NKADD
Garrard	BGADD

County	ADD
Grant	NKADD
Graves	PUADD
Grayson	LTADD
Green	LCADD
Greenup	FIVCO
Hancock	GRADD
Hardin	LTADD
Harlan	CVADD
Harrison	BGADD
Hart	BRADD
Henderson	GRADD
Henry	KIPDA
Hickman	PUADD
Hopkins	PEADD
Jackson	CVADD
Jefferson	KIPDA
Jessamine	BGADD
Johnson	BSADD
Kenton	NKADD
Knott	KRADD
Knox	CVADD
Larue	LTADD
Laurel	CVADD
Lawrence	FIVCO
Lee	KRADD
Leslie	KRADD
Letcher	KRADD
Lewis	BTADD
Lincoln	BGADD
Livingston	PEADD
Logan	BRADD
Lyon	PEADD
McCracken	PUADD
McCreary	LCADD
McLean	GRADD
Madison	BGADD
Magoffin	BSADD
Marion	LTADD
Marshall	PUADD
Martin	BSADD

County	ADD
Mason	BTADD
Meade	LTADD
Menifee	GWADD
Mercer	BGADD
Metcalfe	BRADD
Monroe	BRADD
Montgomery	GWADD
Morgan	GWADD
Muhlenberg	PEADD
Nelson	LTADD
Nicholas	BGADD
Ohio	GRADD
Oldham	KIPDA
Owen	NKADD
Owsley	KRADD
Pendleton	NKADD
Perry	KRADD
Pike	BSADD
Powell	BGADD
Pulaski	LCADD
Robertson	BTADD
Rockcastle	CVADD
Rowan	GWADD
Russell	LCADD
Scott	BGADD
Shelby	KIPDA
Simpson	BRADD
Spencer	KIPDA
Taylor	LCADD
Todd	PEADD
Trigg	PEADD
Trimble	KIPDA
Union	GRADD
Warren	BRADD
Washington	LTADD
Wayne	LCADD
Webster	GRADD
Whitley	CVADD
Wolfe	KRADD
Woodford	BGADD