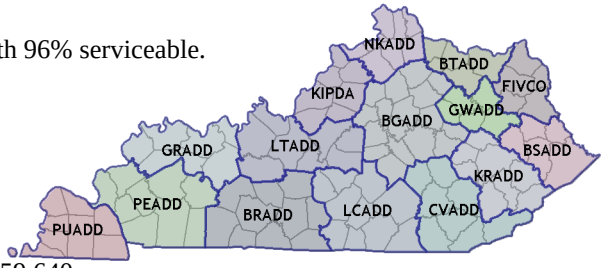
Kentucky



- 2010 census population of 4,339,367 (1,927,164 households) with 96% serviceable.
- Projected 2020 population of 4,672,754 (change of 333,387).
- 62,803 miles of existing water lines.
- 8 new water treatment plants proposed in the next 10 years.
- 2,360 miles of line extensions proposed in the next 10 years.
- 1,300 miles of line rehabilitation proposed in the next 10 years.
- 384 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,705,359,640.
- Estimated funding needs for projects from 6 to 10 years: $223,312,654.
- Average age of structures: water treatment plants is 37 years; water tanks is 27 years.
- Total number of interconnected systems is 417.
- 3,078 miles of asbestos concrete pipe currently in use.
- 13,175 miles of water lines less than 15 years old.
- 15,343 miles of water lines between 15 and 30 years old.
- 17,053 miles of water lines between 31 and 50 years old.
- 8,062 miles of water lines between 51 and 70 years old.
- 3,532 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	741,811	97%	$ 192,912,688
Barren River Area Development District	284,195	316,297	275,414	97%	$ 109,090,409
Big Sandy Area Development District	154,093	148,051	143,809	94%	$ 40,438,327
Buffalo Trace Area Development District	56,478	58,306	55,000	97%	$ 28,155,600
Cumberland Valley Area Development District	236,618	237,501	229,839	97%	$ 86,322,570
Five County Area Development District	137,884	139,098	131,579	95%	$ 57,178,923
Green River Area Development District	213,472	220,544	206,411	97%	$ 105,834,046
Gateway Area Development District	81,652	87,651	78,865	96%	$ 14,439,641
Kentuckiana Regional Planning and Development Agency	959,091	1,058,343	939,582	98%	$ 269,532,897
Kentucky River Area Development District	114,762	111,267	98,343	86%	$ 112,225,110
Lake Cumberland Area Development District	207,256	221,481	196,359	95%	$ 151,253,836
Lincoln Trail Area Development District	269,117	295,040	256,969	95%	$ 173,060,663
Northern Kentucky Area Development District	438,647	488,377	425,780	97%	$ 244,392,317
Pennyrile Area Development District	219,305	226,580	200,314	95%	$ 233,742,798
Purchase Area Development District	196,393	201,697	154,744	79%	$ 110,092,469
Demographic Totals	**4,339,367**	**4,672,754**	**4,134,819**	**96%**	**$ 1,928,672,294**

Area Development District	Average WTP Age (yrs)	Intercon-nected 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	44	57	525	1,229	3,004	2,009	905	1,215
Barren River Area Development District	37	42	179	1,172	1,274	2,792	1,613	20
Big Sandy Area Development District	34	13	58	1,637	833	34	3	0
Buffalo Trace Area Development District	35	17	114	511	820	285	134	35
Cumberland Valley Area Development District	36	37	28	902	1,835	468	318	44
Five County Area Development District	34	17	47	467	729	998	18	123
Green River Area Development District	35	30	182	654	1,389	1,541	245	249
Gateway Area Development District	41	30	29	613	542	763	142	12
Kentuckiana Regional Planning and Development Agency	20	14	184	54	124	427	1,073	412
Kentucky River Area Development District	24	15	44	1,221	682	438	15	0
Lake Cumberland Area Development District	39	20	56	1,158	2,267	1,898	128	164
Lincoln Trail Area Development District	47	26	101	1,590	496	1,047	1,382	71
Northern Kentucky Area Development District	39	24	45	692	804	1,561	215	265
Pennyrile Area Development District	43	55	844	1,017	386	1,970	1,319	531
Purchase Area Development District	35	20	642	258	158	822	552	391

Asset Condition Averages and Totals:	**37**	**417**	**3,078**	**13,175**	**15,343**	**17,053**	**8,062**	**3,532**

Kentucky Infrastructure Authority
February 19, 2016

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

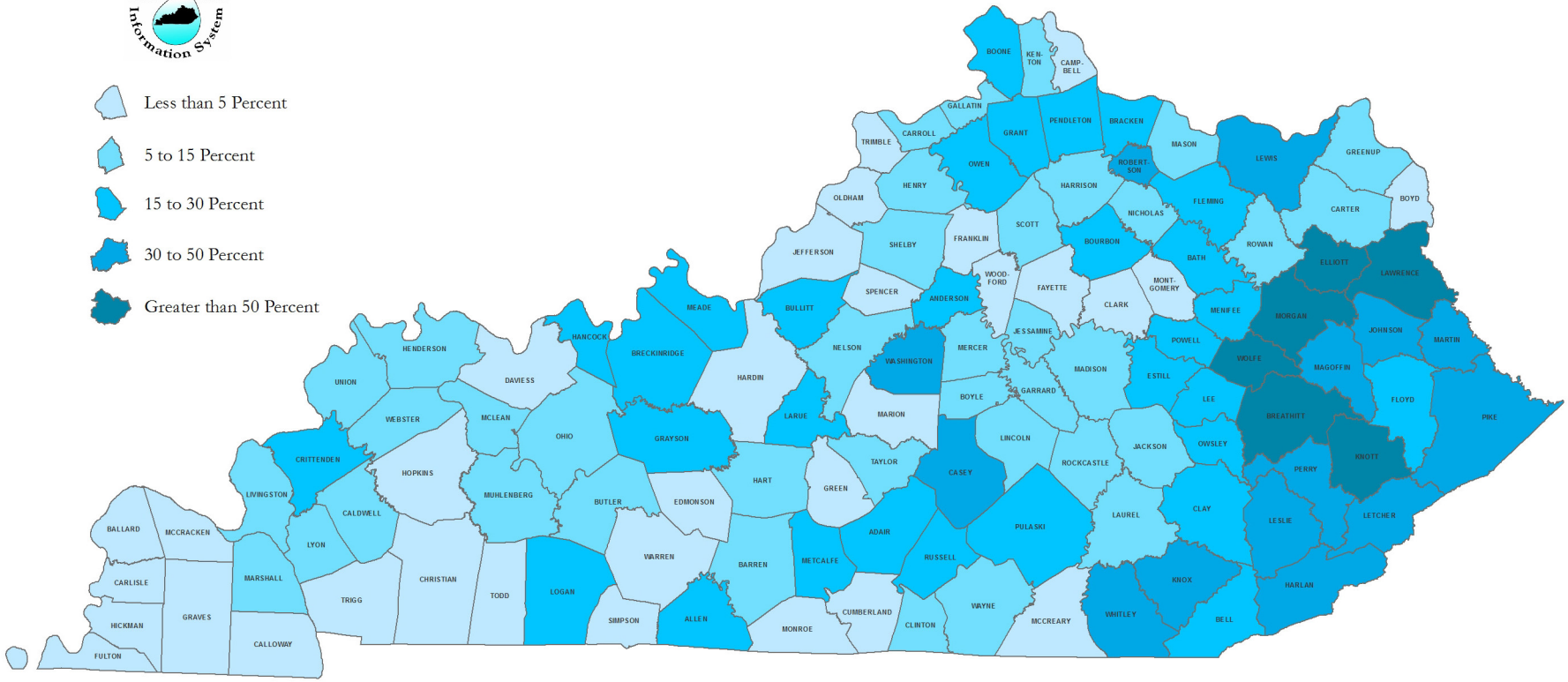
Prepared By:
Kentucky Infrastructure Authority

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
February 19, 2016

Percent of Households Serviceable by Public Water Systems in 2010

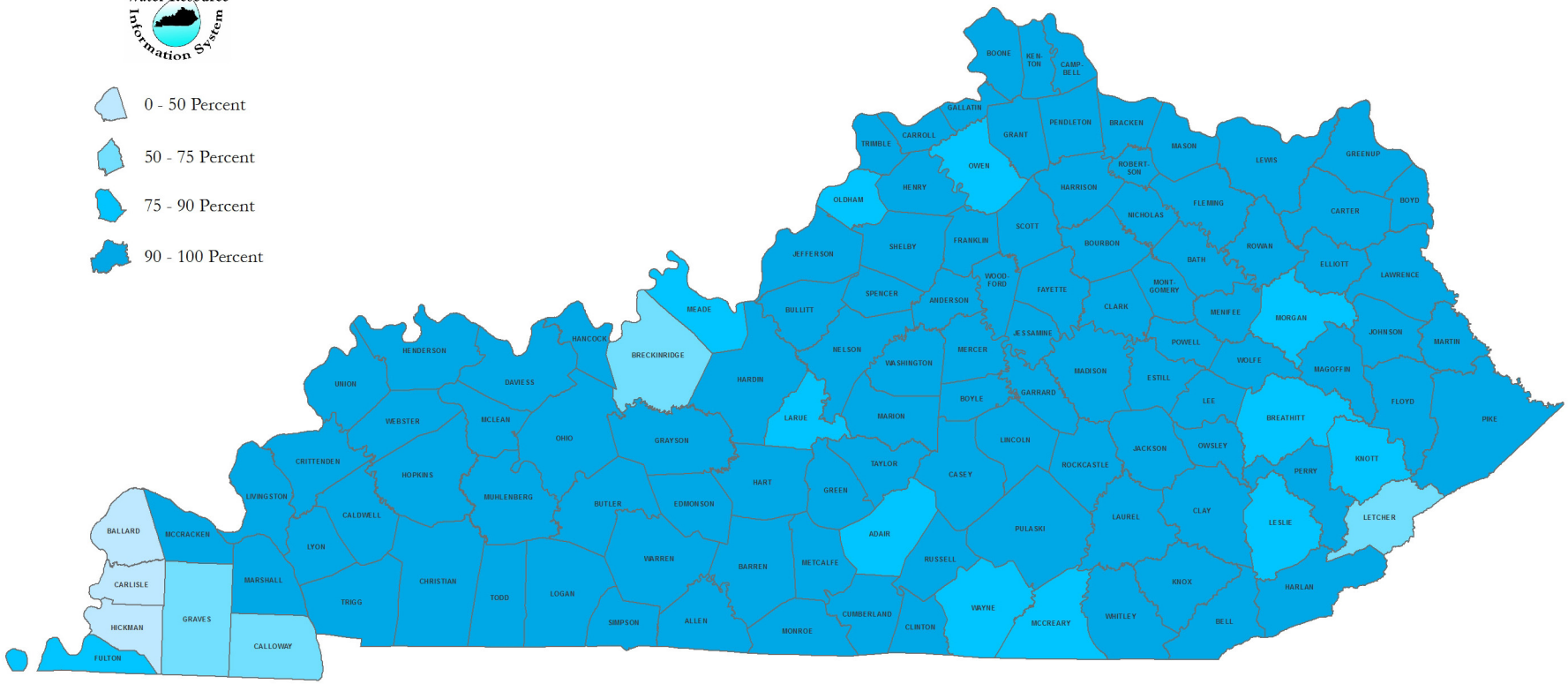
Prepared By:
Kentucky Infrastructure Authority

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

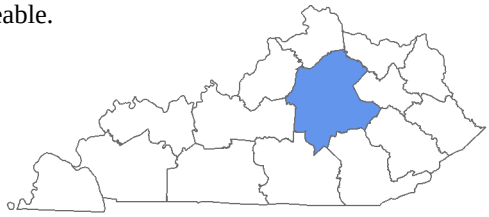
February, 2015

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).
- 8,754.09 miles of existing water lines.
- 71.00 miles of line extensions proposed in the next 10 years.
- 79.00 miles of line rehabilitation proposed in the next 10 years.
- 47.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $174,720,263.
- Estimated funding needs for projects from 6 to 10 years: $18,192,425.
- Average age of structures: water treatment plants is 44 years; water tanks is 30 years.
- Total number of interconnected systems is 57.
- 525 miles of asbestos concrete pipe currently in use.
- 1,229 miles of water lines less than 15 years old.
- 3,004 miles of water lines between 15 and 30 years old.
- 2,009 miles of water lines between 31 and 50 years old.
- 905 miles of water lines between 51 and 70 years old.
- 1,215 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 239 serviceable households will be added through the construction of 71.00 miles of water line extensions and approximately 152,959 instances of improved service through the rehabilitation of 79.00 miles of existing water lines and other appurtenances. 47.00 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%	$ 770,000
Bourbon	19,985	8,927	20,530	8,478	8,784	98%	$ 4,184,000
Boyle	28,432	12,312	29,048	11,782	12,264	100%	$ 13,550,410
Clark	35,613	15,706	37,985	15,800	15,486	99%	$ 34,716,255
Estill	14,672	6,865	14,359	6,115	6,703	98%	$ 7,098,410
Fayette	295,803	135,160	334,733	141,152	126,154	93%	$ 3,103,960
Franklin	49,285	23,164	50,777	21,761	22,996	99%	$ 35,788,000
Garrard	16,912	7,463	19,122	7,917	7,359	99%	$ 1,302,465
Harrison	18,846	8,208	19,640	8,006	8,149	99%	$ 3,261,274
Jessamine	48,586	19,331	58,928	22,184	19,288	100%	$ 23,233,600
Lincoln	24,742	10,819	26,170	10,762	10,570	98%	$ 10,702,664
Madison	82,916	35,043	95,333	38,093	34,819	99%	$ 29,263,429
Mercer	21,331	9,941	21,810	9,299	9,902	100%	$ 4,552,700
Nicholas	7,135	3,261	7,411	3,012	3,164	97%	$ 13,500,000
Powell	12,613	5,598	12,319	4,860	5,495	98%	$ 2,190,246
Scott	47,173	19,303	63,984	25,538	18,805	97%	-
Woodford	24,939	10,711	26,817	11,147	10,317	96%	$ 5,695,275
Totals	**770,404**	**340,939**	**862,521**	**355,488**	**329,361**	**97%**	**$ 192,912,688**

Kentucky Infrastructure Authority
February 19, 2016

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	14,769	6,331
KY0030660	South Anderson Water District	Anderson	6,343	2,654
KY0090287	Millersburg Municipal Water Works	Bourbon	937	479
KY0090322	North Middletown Water Department	Bourbon	1,051	450
KY0090343	Paris Water Works	Bourbon	12,261	5,546
KY0110097	Danville City Water Works	Boyle	23,400	10,362
KY0110345	Parksville Water District	Boyle	3,933	1,696
KY0250981	East Clark County Water District	Clark	6,169	2,669
KY0250473	Winchester Municipal Utilities	Clark	25,165	11,123
KY0330123	Estill County Water District #1	Estill	9,501	4,318
KY0330205	Irvine Municipal Utilities	Estill	4,512	2,220
KY0340250	Kentucky-American Water Company	Fayette	299,497	137,599
KY0370137	Elkhorn Water District	Franklin	1,473	624
KY0370128	Farmdale Water District	Franklin	6,206	2,446
KY0370143	Frankfort Plant Board	Franklin	36,552	18,002
KY0370346	Peaks Mill Water District	Franklin	2,872	1,251
KY0400151	Garrard County Water Association	Garrard	13,036	5,643
KY0400233	Lancaster Water Works	Garrard	3,935	1,839
KY0490096	Cynthiana Municipal Water Works	Harrison	6,634	3,073
KY0490179	Harrison County Water Association	Harrison	13,815	5,820
KY0570214	Jessamine County Water District #1	Jessamine	4,028	1,630
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	7,690	2,977
KY0570315	Nicholasville Utilities	Jessamine	31,464	12,905
KY0570010	Wilmore Water Works	Jessamine	6,403	2,211
KY0690089	Crab Orchard Water Works	Lincoln	1,214	575
KY0690203	Hustonville Water Works	Lincoln	4,323	1,894
KY0690278	McKinney Water District	Lincoln	4,251	1,831
KY0690417	Stanford Water Commission	Lincoln	7,870	3,359
KY0760030	Berea Municipal Utilities	Madison	9,972	4,131
KY0760672	Kirksville Water Association	Madison	4,327	1,804
KY0760224	Madison County Utilities District	Madison	24,991	10,384
KY0760370	Richmond Water, Gas & Sewer	Madison	31,580	13,695
KY0760407	Southern Madison Water District	Madison	11,365	4,732
KY0840048	Burgin Water Department	Mercer	1,041	467
KY0840180	Harrodsburg Municipal Water Department	Mercer	8,310	3,983
KY0840587	Lake Village Water Association	Mercer	4,355	2,094
KY0840321	North Mercer Water District	Mercer	9,772	4,116
KY0910065	Carlisle Water Department	Nicholas	2,059	1,065
KY0910314	Nicholas County Water District	Nicholas	3,480	1,512
KY0990074	Clay City Water System	Powell	1,638	748
KY0990357	Powells Valley Water District	Powell	5,676	2,555
KY0990418	Stanton Water Commission	Powell	5,395	2,316
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	32,988	13,652
KY1200283	Midway Municipal Water Works	Woodford	1,734	757
KY1200310	Northeast Woodford County Water District	Woodford	2,277	983

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	3,749	1,630
KY1200439	Versailles Municipal Water	Woodford	14,370	6,110
		Totals:	738,383	328,261

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21049015	Water Treatment Plant - 9.0 MGD	0-2 Years	Not Funded	$26,110,000	Clark	1	2
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
WX21151008	Standby Power Upgrade for Side Storage and College Hill Plant	0-2 Years	Not Funded	$2,546,700	Madison	3	1
WX21197007	City of Clay City - 150,000 Gallon Elevated Water Storage Tank	0-2 Years	Not Funded	$658,380	Powell	4	1
WX21065005	Irvine Water Treatment Plant Upgrade and Expansion	0-2 Years	Not Funded	$5,732,000	Estill	5	2
WX21239026	Versailles Raw Water Main Replacement	0-2 Years	Not Funded	$1,234,500	Woodford	6	3
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	$3,682,622	Jessamine	7	2
WX21097002	Cynthiana - Phase II Water System Improvements	0-2 Years	Partially Funded	$2,356,000	Harrison	8	2
WX21151040	Berea Utilities - Owsley Fork Reservior (Red Lick Creek MPS No. 1) Rehabilitation	0-2 Years	Partially Funded	$13,259,000	Madison	9	4
WX21017021	Paris Water Treatment Plant Improvements	0-2 Years	Not Funded	$1,500,000	Bourbon	10	5
WX21167029	Water Distribution Main Replacement 2015	0-2 Years	Not Funded	$2,887,200	Mercer	11	2
WX21137049	City of Crab Orchard - Deepwell Woods Road Water Line and J&V Water Line	0-2 Years	Not Funded	$443,700	Lincoln	12	1
WX21137047	Waynesburg Water Line Replacement (KY HWY 328)	0-2 Years	Not Funded	$85,000	Lincoln	13	2
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison	14	7
WX21079015	Lancaster - New Water Treatment Plant	0-2 Years	Fully Funded	$12,240,455	Garrard	15	6
WX21113041	Nicholasville – Jessamine South Elkhorn Water District Interconn	0-2 Years	Partially Funded	$663,000	Jessamine	16	1
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	17	6
WX21113037	Wilmore Elevated Storage Tank Rehabilitation	0-2 Years	Not Funded	$370,000	Jessamine	18	3
WX21073020	Green Wilson Road Water Line Upgrade	0-2 Years	Not Funded	$770,000	Franklin	19	5
WX21167017	Lake Village Water Association - Contract 14 Water Main West Zone Upgrades	0-2 Years	Not Funded	$1,100,000	Mercer	20	1
WX21239023	Woodford County Germany, Shore Acres, Foraker, Watts Ferry & Hippe Agee Project	3-5 Years	Not Funded	$1,254,000	Woodford	21	4
WX21151057	Kirksville Water Association - Welchwood / John Ballard WL Repla	3-5 Years	Not Funded	$284,600	Madison	22	8
WX21017012	City of Paris Creek Crossing Pipe Replacement Under Houston and Stoner Creeks.	0-2 Years	Not Funded	$294,000	Bourbon	23	1
WX21021010	Perryville Standpipe Replacement	0-2 Years	Not Funded	$1,300,000	Boyle	24	3
WX21021026	Danville - Corporate Drive Water Main Extension Project	0-2 Years	Partially Funded	$1,396,410	Boyle	25	4
WX21151056	Kirksville Water Association - Welchwood Master Meter Connection	0-2 Years	Not Funded	$189,500	Madison	26	3
WX21239015	South Woodford Water District - Cummins Ferry Water Line Replace	0-2 Years	Not Funded	$412,000	Woodford	27	6
WX21113034	Jessamine County Water District #1 - Carolyn Lane Water Line Upgrade	0-2 Years	Not Funded	$660,000	Jessamine	28	4
WX21097019	West End Water System Improvements	0-2 Years	Not Funded	$1,157,000	Harrison	29	4
WX21167030	Bay West Water Storage Tank Improvements	0-2 Years	Not Funded	$490,500	Mercer	30	3
WX21079020	Garrard County Water Association Extension 13	0-2 Years	Not Funded	$139,185	Garrard	31	5
WX21017023	Paris to Kentucky American Water System Connection	0-2 Years	Not Funded	$90,000	Bourbon	32	3

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239009	Sugar Hill Road Extension	0-2 Years	Not Funded	$123,400	Woodford	33	2
WX21151059	Whitt Road Water Line Replacement	0-2 Years	Not Funded	$165,400	Madison	34	5
			Total Cost:	**$89,753,752**			

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 400.05 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: $770,000.
- 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 7 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			
Farmdale Water District	1	$770,000	-	7	-	-	-
Totals:	**1**	**$770,000**	**-**	**7**	**-**	**-**	**-**

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	14,764	6,329
KY0030660	South Anderson Water District	Anderson	6,278	2,627
KY0370128	Farmdale Water District	Franklin	100	46
KY0840321	North Mercer Water District	Mercer	90	40
KY1060436	US 60 Water District	Shelby	125	59
		Totals:	21,357	9,101

Kentucky Infrastructure Authority
February 19, 2016

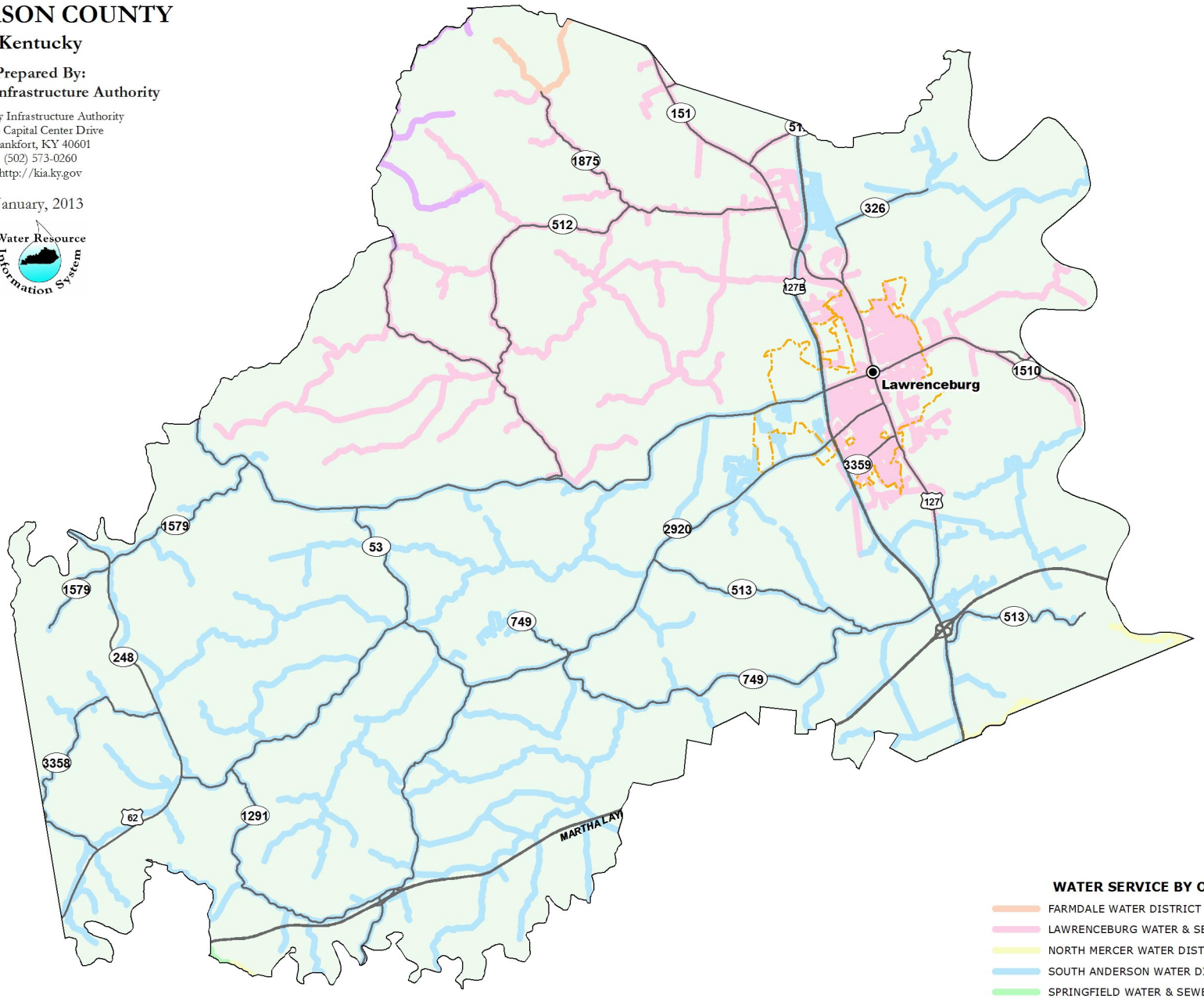
WATER SERVICE AREAS
ANDERSON COUNTY
Kentucky

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



WATER SERVICE BY OWNER

- FARMDALE WATER DISTRICT
- LAWRENCEBURG WATER & SEWER DEPARTMENT
- NORTH MERCER WATER DISTRICT
- SOUTH ANDERSON WATER DISTRICT
- SPRINGFIELD WATER & SEWER COMMISSION
- US 60 WATER DISTRICT

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	$23.04 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$23.04 per 4,000 gallons.	Total Connections	6,179
Residential Customers	5,826	Total Produced (MG)	804.095
Commercial Customers	340	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	388.590
Industrial Customers	12	Total Wholesale Sold (MG)	140.640
Wholesale Customers	1	Estimated Pct. Water Loss	34%
Total Distribution System Line Length = 166.60 miles (Distribution: 166.27 miles, Transmission: 0.33 miles).			

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

There are no immediate projects for Lawrenceburg Water & Sewer Department

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	$37.51 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	2,872
Residential Customers	2,745	Total Produced (MG)	-
Commercial Customers	60	Total Purchased (MG)	191.026
Institutional Customers	-	Total Inside Usage (MG)	135.465
Industrial Customers	-	Total Wholesale Sold (MG)	35.263
Wholesale Customers	1	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 222.58 miles (Distribution: 222.58 miles, Transmission: 0.00 miles).

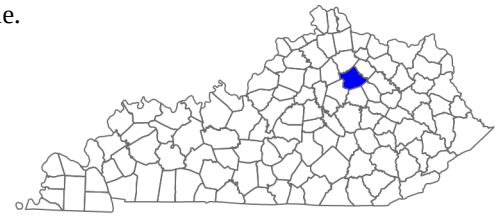
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1

Bourbon County

- 2010 census population of 19,985 (8,927 households) with 98% serviceable.
- Projected 2020 population of 20,530 (change of 545).
- Bourbon County has 371.12 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.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,884,000.
- 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 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 5,819 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			
City of Millersburg	1	$1,400,000	-	250	-	3.00	-
City of Paris	4	$2,384,000	-	5,563	-	-	-
Judy Water Association Inc	2	$400,000	-	6	-	1.00	-
Totals:	**7**	**$4,184,000**	**-**	**5,819**	**-**	**4.00**	**-**

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	Millersburg Municipal Water Works	Bourbon	922	474
KY0090322	North Middletown Water Department	Bourbon	1,046	449
KY0090343	Paris Water Works	Bourbon	12,257	5,544
KY0340250	Kentucky-American Water Company	Fayette	2,101	866
KY0490179	Harrison County Water Association	Harrison	1,646	725
KY0870147	Judy Water Association	Montgomery	1,600	700
KY0910314	Nicholas County Water District	Nicholas	64	26
		Totals:	19,636	8,784

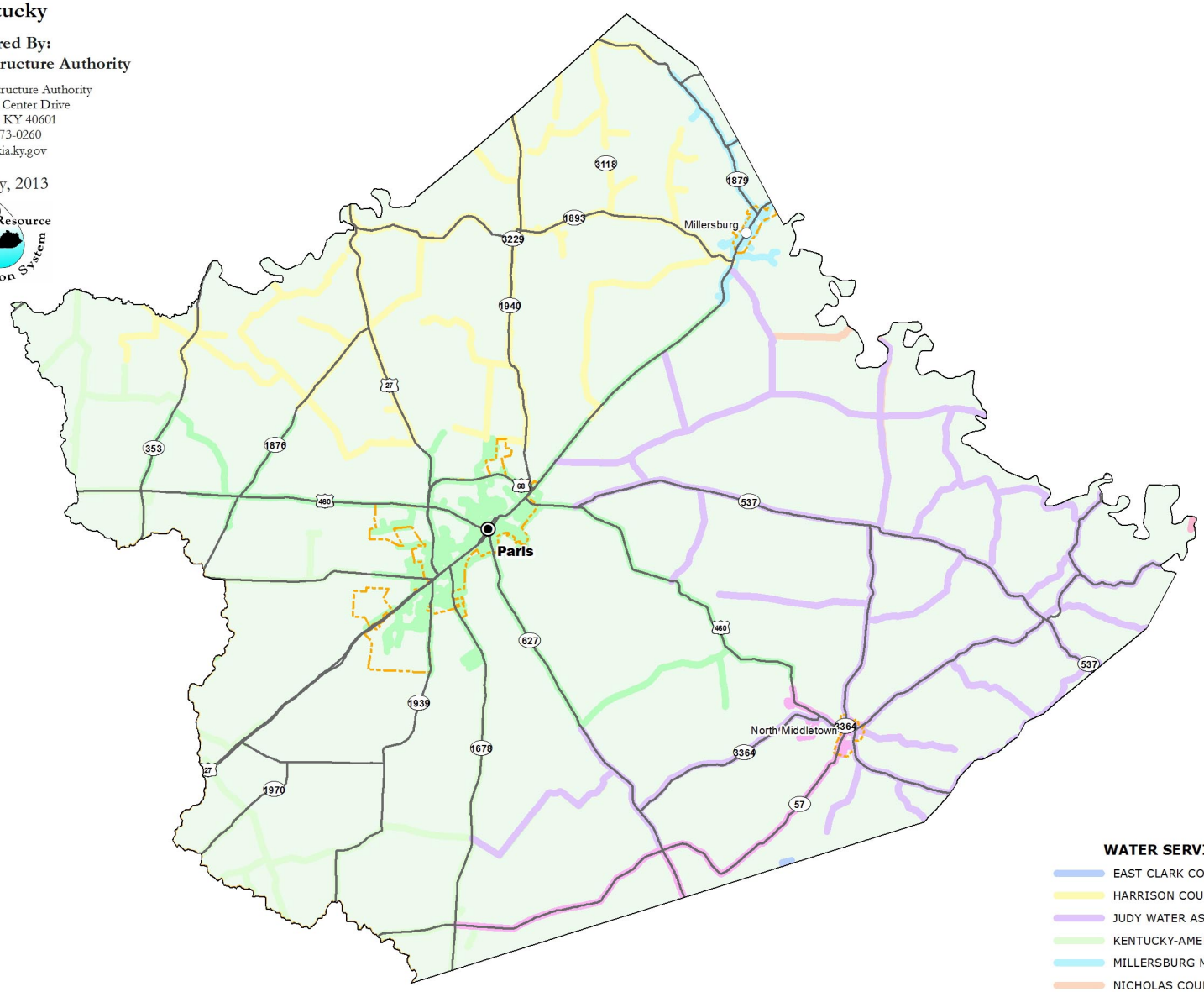
Kentucky Infrastructure Authority
February 19, 2016

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



System Summary for Millersburg Municipal Water Works

PWSID	KY0090287	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	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$46.60 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$46.60 per 4,000 gallons.	Total Connections	377
Residential Customers	338	Total Produced (MG)	39.055
Commercial Customers	6	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	23.977
Industrial Customers	-	Total Wholesale Sold (MG)	7.568
Wholesale Customers	2	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 14.32 miles (Distribution: 14.19 miles, Transmission: 0.13 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21017017	Millersburg Water System Upgrades	0-2 Years	Not Funded	$1,400,000	Bourbon		

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)	54.718
Institutional Customers	-	Total Inside Usage (MG)	0.130
Industrial Customers	-	Total Wholesale Sold (MG)	37.260
Wholesale Customers	1	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 22.57 miles (Distribution: 22.57 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 1 purchaser.
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	4,940
Residential Customers	4,395	Total Produced (MG)	688.452
Commercial Customers	545	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	665.167
Industrial Customers	-	Total Wholesale Sold (MG)	4.005
Wholesale Customers	1	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 113.00 miles (Distribution: 112.99 miles, Transmission: 0.01 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	10	5
WX21017012	City of Paris Creek Crossing Pipe Replacement Under Houston and Stoner Creeks.	0-2 Years	Not Funded	$294,000	Bourbon	23	1
WX21017023	Paris to Kentucky American Water System Connection	0-2 Years	Not Funded	$90,000	Bourbon	32	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 422.77 miles of existing water lines.
- 3.00 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: $13,550,410.
- 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 3,708 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	$6,496,410	-	-	3.00	-	-
City of Springfield	1	$250,000	-	-	-	-	-
Lake Village Water Association Inc	1	$1,100,000	-	27	-	1.00	-
Parksville Water District	9	$5,704,000	-	3,681	-	13.00	4.00
Totals:	**15**	**$13,550,410**	**-**	**3,708**	**3.00**	**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	22,975	10,168
KY0110345	Parksville Water District	Boyle	3,758	1,612
KY0400151	Garrard County Water Association	Garrard	24	11
KY0690203	Hustonville Water Works	Lincoln	247	101
KY0840587	Lake Village Water Association	Mercer	1,310	356
KY0840321	North Mercer Water District	Mercer	29	12
		Totals:	28,343	12,260

Kentucky Infrastructure Authority
February 19, 2016

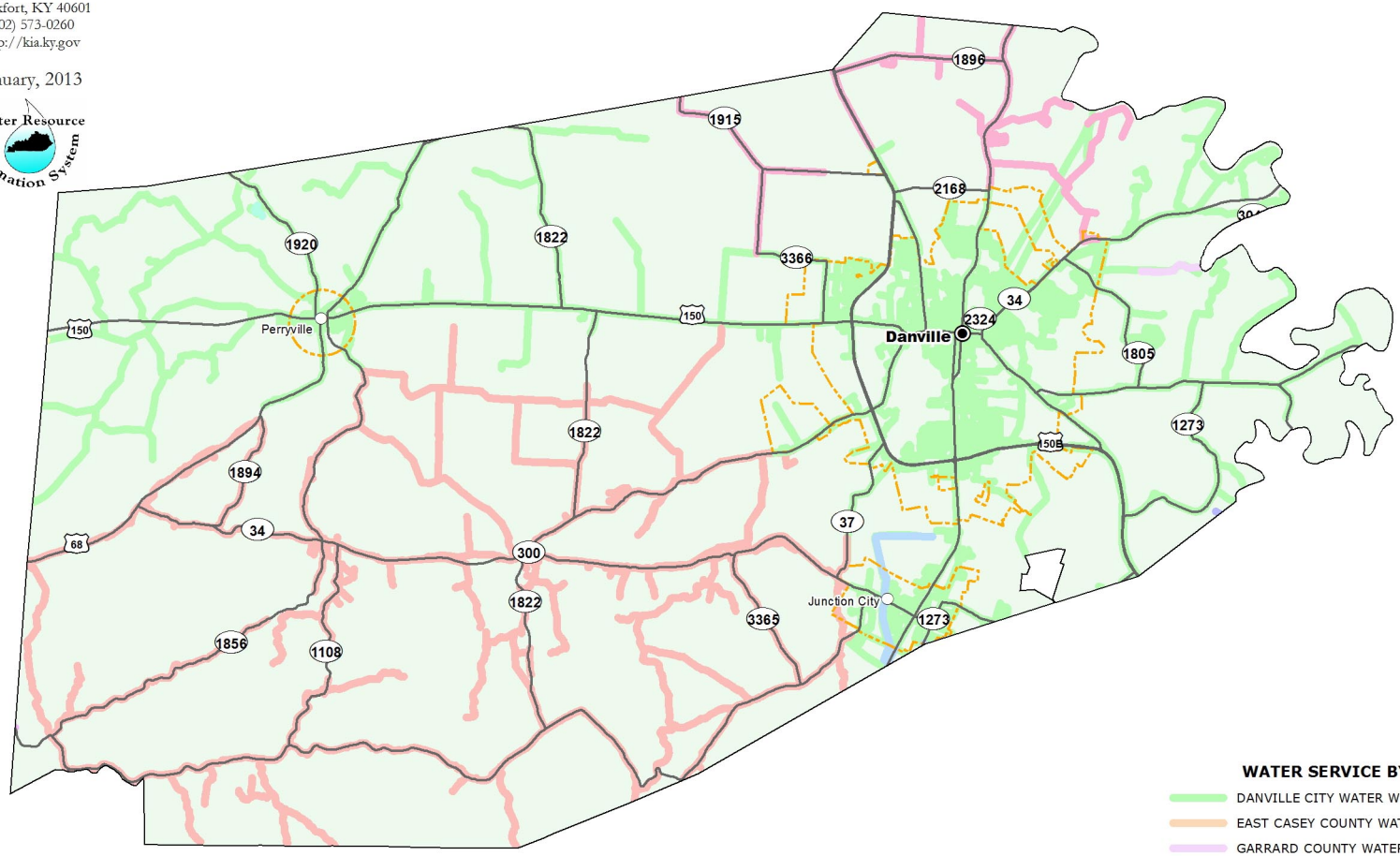
WATER SERVICE AREAS
BOYLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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WATER SERVICE BY OWNER

- DANVILLE CITY WATER WORKS
- EAST CASEY COUNTY WATER DISTRICT
- GARRARD COUNTY WATER ASSOCIATION
- HUSTONVILLE WATER WORKS
- LAKE VILLAGE WATER ASSOCIATION
- MARION COUNTY WATER DISTRICT
- NORTH MERCER WATER DISTRICT
- PARKSVILLE WATER DISTRICT
- PERRYVILLE BATTLEFIELD STATE HISTORIC SITE
- SPRINGFIELD WATER & SEWER COMMISSION
- STANFORD WATER COMMISSION

Boyle County (continued)

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	$12.00 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$23.00 per 4,000 gallons.	Total Connections	10,300
Residential Customers	10,172	Total Produced (MG)	1,974.650
Commercial Customers	933	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	887.274
Industrial Customers	16	Total Wholesale Sold (MG)	508.591
Wholesale Customers	5	Estimated Pct. Water Loss	29%
Total Distribution System Line Length = 278.61 miles (Distribution: 268.59 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	Perryville Standpipe Replacement	0-2 Years	Not Funded	$1,300,000	Boyle	24	3
WX21021026	Danville - Corporate Drive Water Main Extension Project	0-2 Years	Partially Funded	$1,396,410	Boyle	25	4
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		

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	$41.29 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	1,581
Residential Customers	1,570	Total Produced (MG)	-
Commercial Customers	10	Total Purchased (MG)	105.192
Institutional Customers	-	Total Inside Usage (MG)	80.125
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 127.47 miles (Distribution: 127.47 miles, Transmission: 0.00 miles).

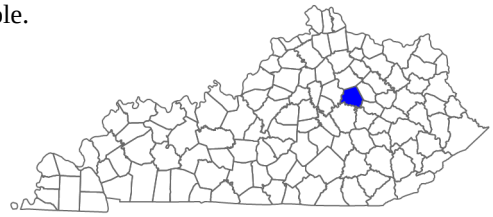
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21021029	PWD Forkland Area Tank Project	0-2 Years	Not Funded	$1,800,000	Boyle		
WX21021030	Parksville Water District - KY 34 Pump Station Replacement Project	0-2 Years	Not Funded	$1,410,000	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 449.19 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 2.00 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: $29,038,675.
- Estimated funding needs for projects from 6 to 10 years: $5,677,580.



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 14 serviceable households will be added through the construction of 6.00 miles of water line extensions and approximately 12,361 instances of improved service through the rehabilitation of 2.00 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			
East Clark County Water District	1	$633,060	-	36	-	1.00	-
Winchester Municipal Utilities Commission	7	$34,083,195	14	12,325	6.00	1.00	12.00
Totals:	**8**	**$34,716,255**	**14**	**12,361**	**6.00**	**2.00**	**12.00**

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	6,141	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:	35,153	15,481

Kentucky Infrastructure Authority
February 19, 2016

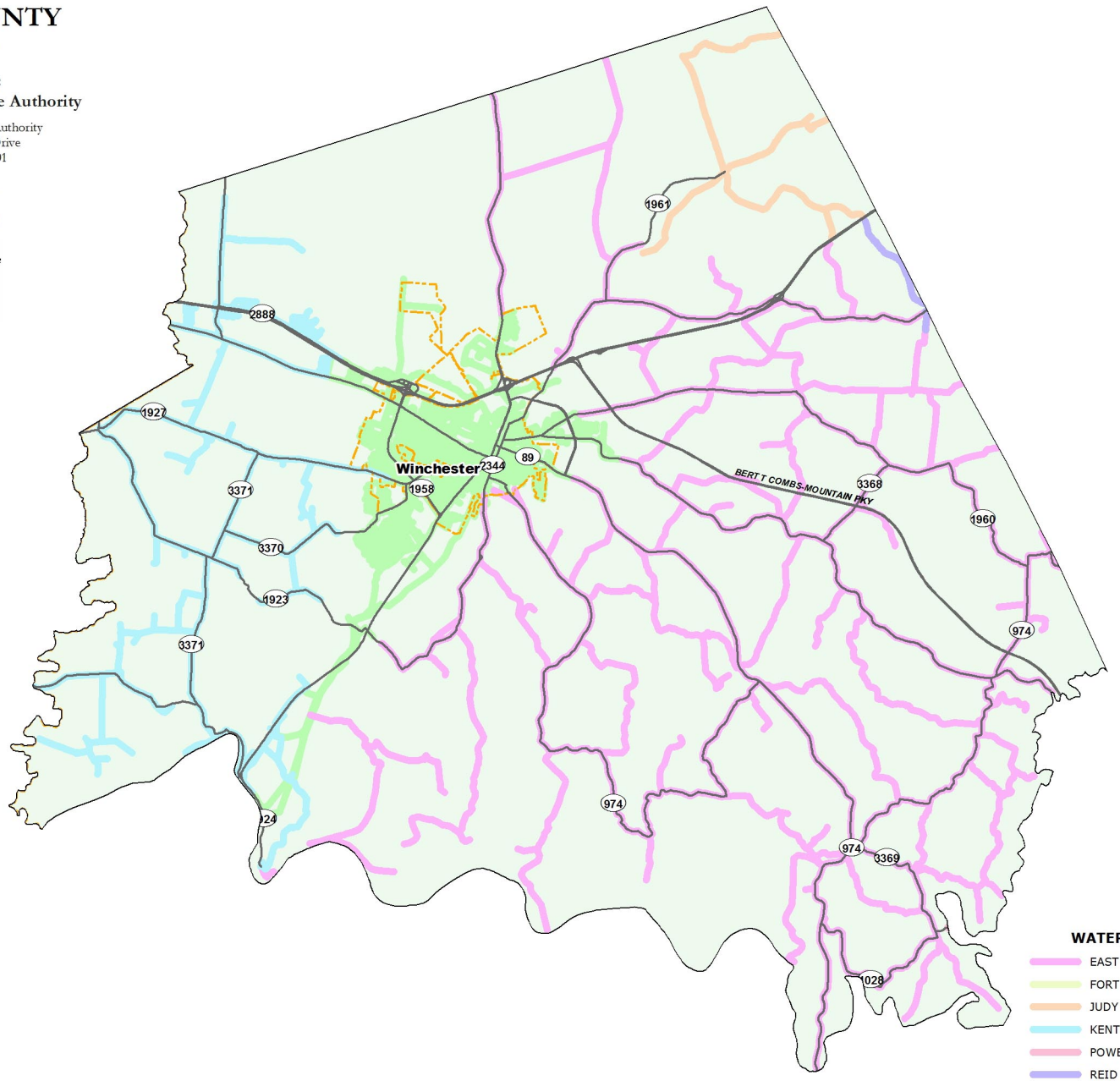
WATER SERVICE AREAS
CLARK COUNTY
Kentucky

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	$47.18 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	2,420
Residential Customers	2,401	Total Produced (MG)	-
Commercial Customers	19	Total Purchased (MG)	128.133
Institutional Customers	-	Total Inside Usage (MG)	111.738
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 202.39 miles (Distribution: 202.39 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
WX21049015	Water Treatment Plant - 9.0 MGD	0-2 Years	Not Funded	$26,110,000	Clark	1	2
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	$1,750,000	Clark		
WX21049019	East Clark County Water District Water Line and Pump Station Project	6-10 Years	Not Funded	$633,060	Clark		

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	10,801	Total Produced (MG)	1,480.000
Commercial Customers	849	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	850.000
Industrial Customers	60	Total Wholesale Sold (MG)	148.711
Wholesale Customers	2	Estimated Pct. Water Loss	33%

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
WX21049015	Water Treatment Plant - 9.0 MGD	0-2 Years	Not Funded	$26,110,000	Clark	1	2
WX21049009	Colby Road/Lexington Road Waterline Connector	6-10 Years	Not Funded	$3,795,000	Clark		
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	$1,750,000	Clark		
WX21049035	Veterans Highway Water Transmission	6-10 Years	Not Funded	$1,249,520	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		
WX21049037	Lisletown Road Water Line Extension	0-2 Years	Not Funded	$206,675	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 341.73 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.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,098,410.
- 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 3 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 5,791 instances of improved service through system wide upgrades. 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 Irvine	1	$5,732,000	-	5,791	-	-	4.00
Jackson County Water Association Inc	1	$1,366,410	3	-	-	-	-
Totals:	**2**	**$7,098,410**	**3**	**5,791**	**-**	**-**	**4.00**

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	9,419	4,273
KY0330205	Irvine Municipal Utilities	Estill	4,512	2,220
KY0550209	Jackson County Water Association Inc	Jackson	33	15
KY0990357	Powells Valley Water District	Powell	390	195
		Totals:	14,354	6,703

Kentucky Infrastructure Authority
February 19, 2016

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	$27.28 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	3,792
Residential Customers	3,641	Total Produced (MG)	-
Commercial Customers	131	Total Purchased (MG)	281.730
Institutional Customers	-	Total Inside Usage (MG)	187.376
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	33%

Total Distribution System Line Length = 282.38 miles (Distribution: 282.38 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
WX21065005	Irvine Water Treatment Plant Upgrade and Expansion	0-2 Years	Not Funded	$5,732,000	Estill	5	2
WX21137025	Eubank, Ky Water Meter Replacement Program	0-2 Years	Not Funded	$53,500	Lincoln		

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	$20.45 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$27.96 per 4,000 gallons.	Total Connections	2,552
Residential Customers	1,813	Total Produced (MG)	376.798
Commercial Customers	164	Total Purchased (MG)	-
Institutional Customers	3	Total Inside Usage (MG)	376.790
Industrial Customers	1	Total Wholesale Sold (MG)	281.249
Wholesale Customers	1	Estimated Pct. Water Loss	-75%

Total Distribution System Line Length = 49.04 miles (Distribution: 48.99 miles, Transmission: 0.05 miles).

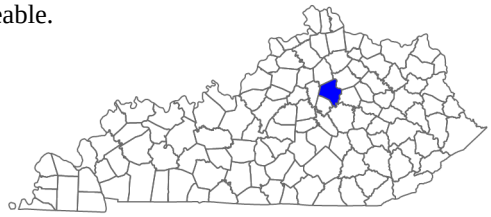
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21065005	Irvine Water Treatment Plant Upgrade and Expansion	0-2 Years	Not Funded	$5,732,000	Estill	5	2

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 1,215.34 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	271,905	125,606
KY0570214	Jessamine County Water District #1	Jessamine	73	29
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:	273,224	126,141

Kentucky Infrastructure Authority
February 19, 2016

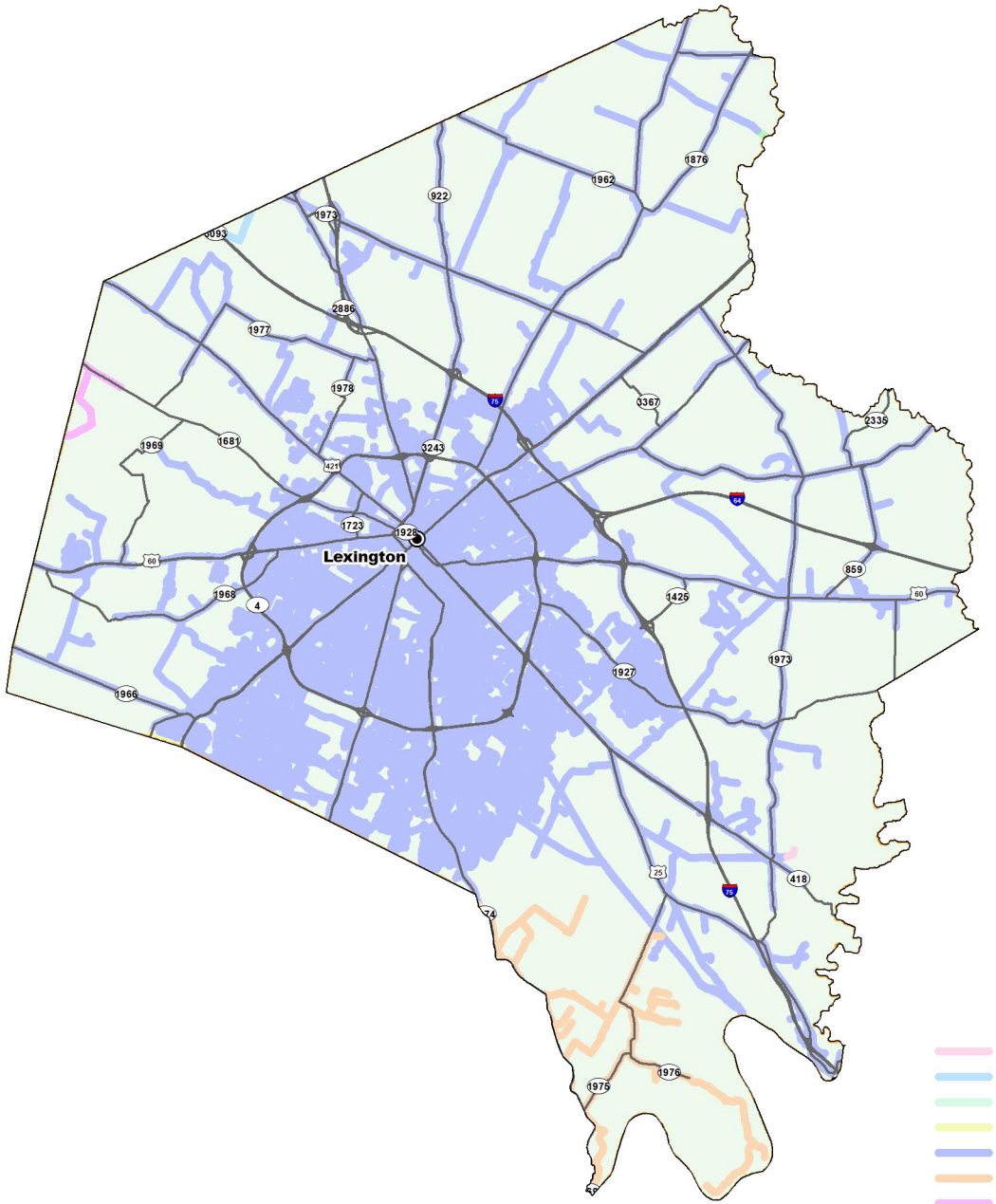
WATER SERVICE AREAS
FAYETTE COUNTY
Kentucky

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 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	127	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$33.69 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	124,114
Residential Customers	116,056	Total Produced (MG)	13,270.250
Commercial Customers	9,018	Total Purchased (MG)	20.711
Institutional Customers	557	Total Inside Usage (MG)	11,186.970
Industrial Customers	26	Total Wholesale Sold (MG)	379.364
Wholesale Customers	9	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 1,795.34 miles (Distribution: 1,748.63 miles, Transmission: 46.71 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		

Franklin County

- 2010 census population of 49,285 (23,164 households) with 99% serviceable.
- Projected 2020 population of 50,777 (change of 1,492).
- Franklin County has 567.31 miles of existing water lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 4.00 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: $35,788,000.
- 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 99 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 11,522 instances of improved service through the rehabilitation of 4.00 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			
Farmdale Water District	2	$1,438,000	-	2,605	-	3.00	-
Frankfort Electric & Water Plant Board	1	$4,000,000	-	8,900	-	-	-
Shelby County Fiscal Court	1	$30,200,000	-	-	-	-	6.00
US 60 Water District	2	$150,000	7	17	1.00	1.00	-
Totals:	**6**	**$35,788,000**	**7**	**11,522**	**1.00**	**4.00**	**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	1,469	623
KY0370128	Farmdale Water District	Franklin	6,085	2,392
KY0370143	Frankfort Plant Board	Franklin	35,247	17,366
KY0370346	Peaks Mill Water District	Franklin	2,744	1,181
KY1060324	North Shelby Water Company	Shelby	2,282	1,015
KY1060436	US 60 Water District	Shelby	963	416
		Totals:	48,790	22,993

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
FRANKLIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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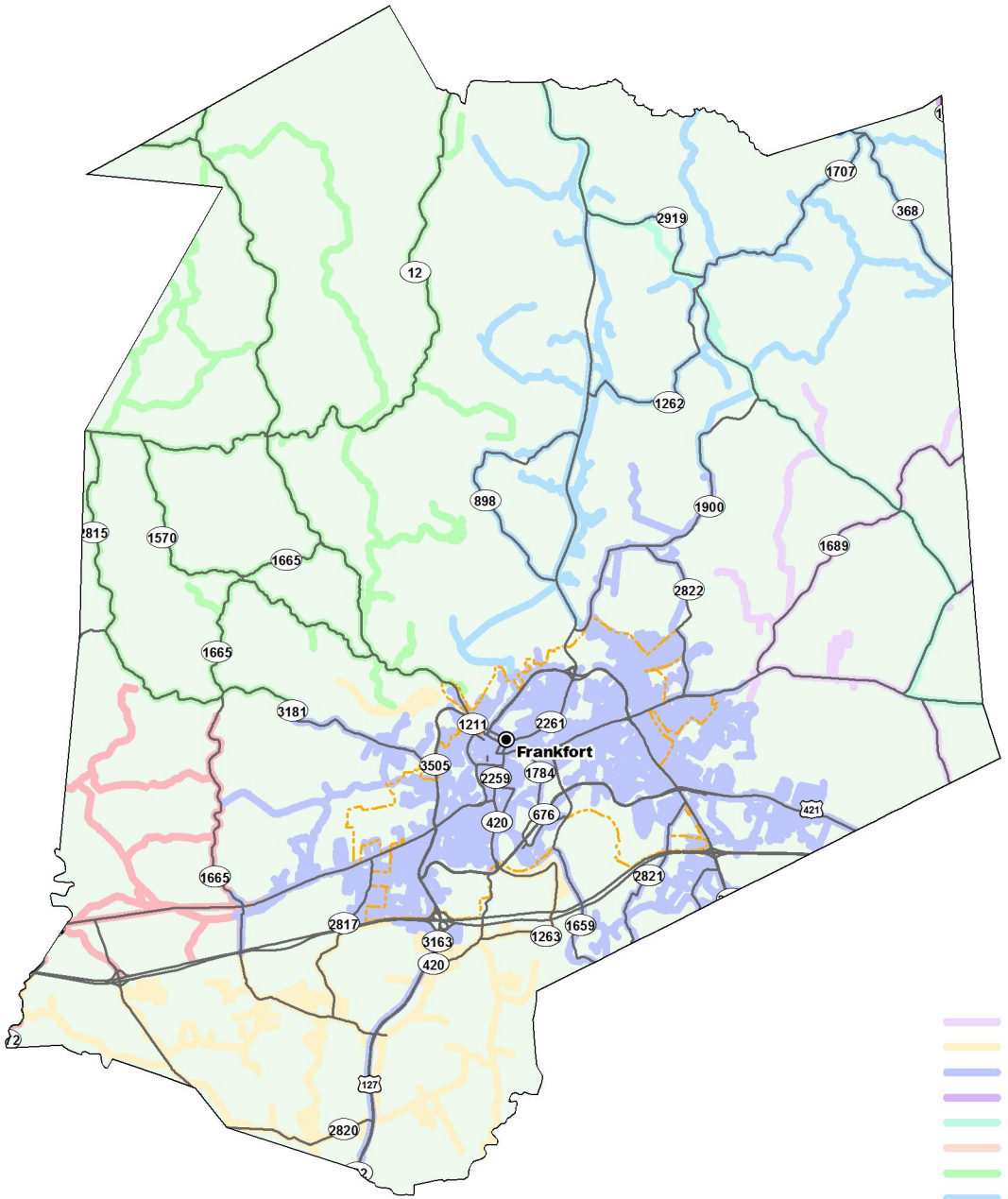
Water Resource Information System



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	$27.37 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	590
Residential Customers	582	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	65.161
Institutional Customers	-	Total Inside Usage (MG)	54.341
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 27.38 miles (Distribution: 27.38 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
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1

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	$26.60 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	2,650
Residential Customers	2,535	Total Produced (MG)	-
Commercial Customers	115	Total Purchased (MG)	225.824
Institutional Customers	-	Total Inside Usage (MG)	161.588
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 72.47 miles (Distribution: 72.47 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
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
WX21073020	Green Wilson Road Water Line Upgrade	0-2 Years	Not Funded	$770,000	Franklin	19	5
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	$25.00 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 16.000 MG.
Outside Mun. Cost	$31.96 per 4,000 gallons.	Total Connections	16,742
Residential Customers	13,492	Total Produced (MG)	2.928
Commercial Customers	2,250	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,236.298
Industrial Customers	-	Total Wholesale Sold (MG)	898.216
Wholesale Customers	8	Estimated Pct. Water Loss	-106953%

Total Distribution System Line Length = 336.80 miles (Distribution: 336.80 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
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
WX21239023	Woodford County Germany, Shore Acres, Foraker, Watts Ferry & Hippe Agee Project	3-5 Years	Not Funded	$1,254,000	Woodford	21	4
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby		
WX21239018	Frankfort Plant Board Buck Run Road Water Line Extension	0-2 Years	Not Funded	$106,000	Woodford		

System Summary for Imperial Mobile Home Park Water System

PWSID	KY0370607	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$30.83 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	
Residential Customers	551	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	5.640
Institutional Customers	-	Total Inside Usage (MG)	24.133
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-328%
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 Imperial Mobile Home Park Water System

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	$46.74 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	1,172
Residential Customers	1,165	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	92.696
Institutional Customers	-	Total Inside Usage (MG)	63.867
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 83.16 miles (Distribution: 83.16 miles, Transmission: 0.00 miles).			

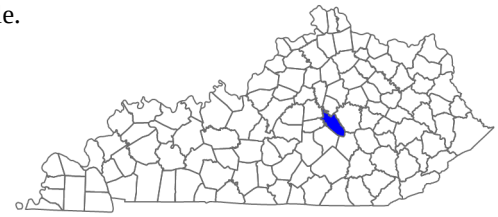
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
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 426.75 miles of existing water lines.
- 6.00 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: $1,302,465.
- 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 33 serviceable households will be added through the construction of 6.00 miles of water line extensions and approximately 3,910 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	3	$782,705	27	550	4.00	-	-
Totals:	**6**	**$1,302,465**	**33**	**3,910**	**6.00**	**-**	**-**

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	12,429	5,395
KY0400233	Lancaster Water Works	Garrard	3,935	1,839
KY0690089	Crab Orchard Water Works	Lincoln	147	59
KY0760672	Kirksville Water Association	Madison	26	12
KY0760407	Southern Madison Water District	Madison	41	17
KY1020891	Western Rockcastle Water Association	Rockcastle	80	37
		Totals:	16,658	7,359

Kentucky Infrastructure Authority
February 19, 2016

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GARRARD COUNTY
Kentucky

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Kentucky Infrastructure Authority

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

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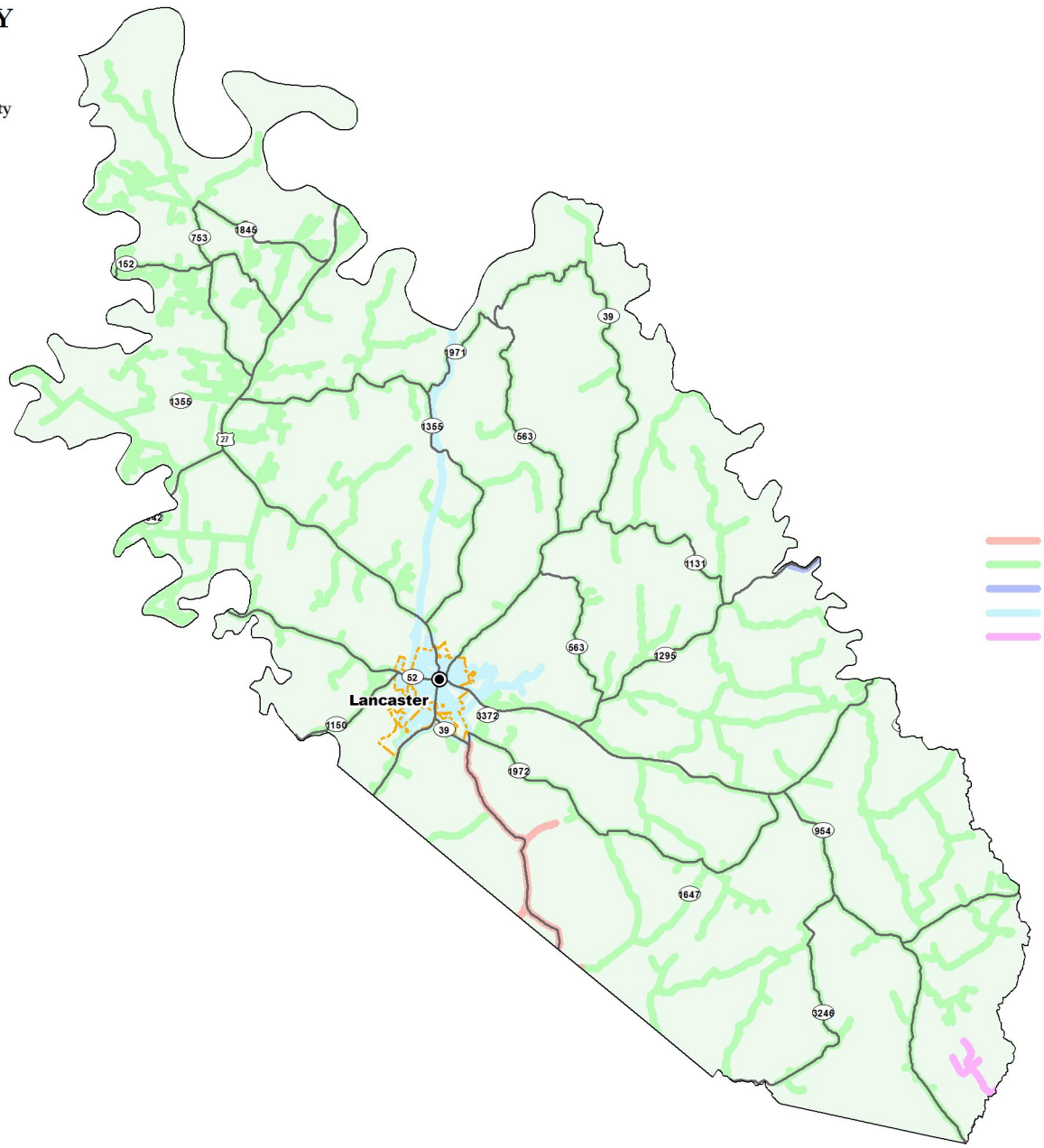


System Summary for Garrard County Water Association

PWSID	KY0400151	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$24.95 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	5,317
Residential Customers	5,401	Total Produced (MG)	-
Commercial Customers	91	Total Purchased (MG)	387.998
Institutional Customers	-	Total Inside Usage (MG)	295.144
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 383.64 miles (Distribution: 380.44 miles, Transmission: 3.20 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	17	6
WX21079020	Garrard County Water Association Extension 13	0-2 Years	Not Funded	$139,185	Garrard	31	5
WX21079023	GCWA - Copper Creek Booster Pump Station and Tank Replacement	0-2 Years	Not Funded	$472,820	Garrard		
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	$31.64 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,700
Residential Customers	1,539	Total Produced (MG)	472.869
Commercial Customers	176	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	189.200
Industrial Customers	-	Total Wholesale Sold (MG)	302.754
Wholesale Customers	2	Estimated Pct. Water Loss	-4%

Total Distribution System Line Length = 54.24 miles (Distribution: 35.92 miles, Transmission: 18.32 miles).

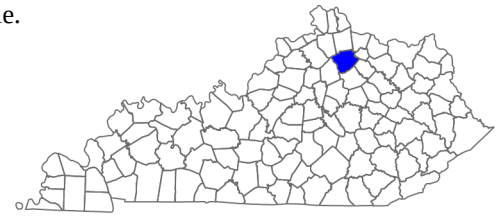
MG = Million Gallons.
MGD = Million Gallons per Day.

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	0-2 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 487.82 miles of existing water lines.
- 4.00 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: $3,261,274.
- 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 2 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 1,701 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	3	$2,635,774	2	501	4.00	5.00	-
Harrison County Water Association Inc	1	$625,500	-	1,200	-	-	-
Totals:	**4**	**$3,261,274**	**2**	**1,701**	**4.00**	**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	6,634	3,073
KY0490179	Harrison County Water Association	Harrison	11,727	4,904
KY0340250	Kentucky-American Water Company	Fayette	175	75
KY0410662	Corinth Water District	Grant	111	63
KY0810046	Buffalo Trail Water Association	Mason	55	28
		Totals:	18,702	8,143

Kentucky Infrastructure Authority
February 19, 2016

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HARRISON COUNTY
Kentucky

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1024 Capital Center Drive
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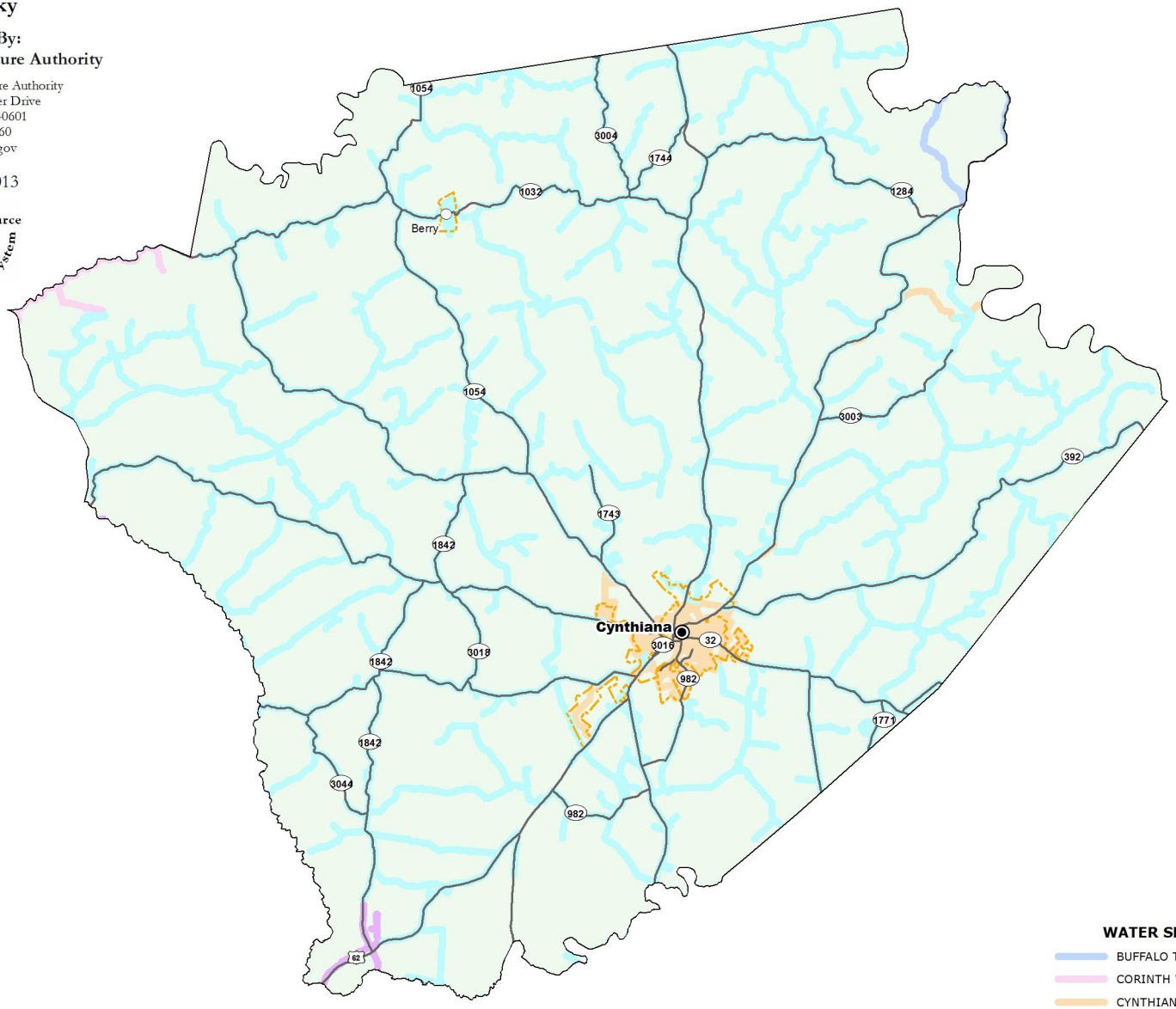


WATER SERVICE BY OWNER

- 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	2,682
Residential Customers	2,249	Total Produced (MG)	731.000
Commercial Customers	217	Total Purchased (MG)	-
Institutional Customers	28	Total Inside Usage (MG)	166.761
Industrial Customers	9	Total Wholesale Sold (MG)	370.822
Wholesale Customers	1	Estimated Pct. Water Loss	26%
Total Distribution System Line Length = 64.30 miles (Distribution: 48.42 miles, Transmission: 15.88 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	29	4
WX21097021	North West Water System Improvements	0-2 Years	Not Funded	$897,000	Harrison		
WX21097025	City of Cynthiana West By-Pass Water Main Extension Project	0-2 Years	Not Funded	$581,774	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	$29.21 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	5,681
Residential Customers	5,642	Total Produced (MG)	-
Commercial Customers	129	Total Purchased (MG)	416.826
Institutional Customers	-	Total Inside Usage (MG)	372.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 501.31 miles (Distribution: 501.31 miles, Transmission: 0.00 miles).

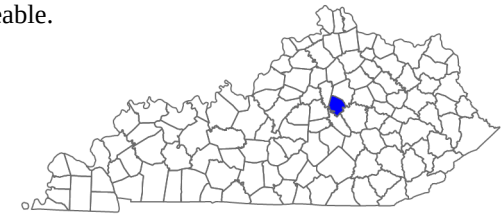
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21097024	Harrison County Water Association Kelat Tank Replacement	0-2 Years	Not Funded	$625,500	Harrison		

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 533.83 miles of existing water lines.
- 14.00 miles of line extensions proposed in the next 10 years.
- 10.00 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: $23,233,600.
- 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 21 serviceable households will be added through the construction of 14.00 miles of water line extensions and approximately 3,507 instances of improved service through the rehabilitation of 10.00 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 Lancaster	1	$153,000	-	-	-	-	-
City of Nicholasville	4	$11,603,600	-	-	6.00	-	4.00
City of Wilmore	1	$370,000	-	-	-	-	-
Jessamine County Fiscal Court	1	$997,000	19	469	3.00	1.00	-
Jessamine County Water District #1	9	$7,985,000	2	638	5.00	9.00	-
Jessamine-South Elkhorn Water District	2	$2,125,000	-	2,400	-	-	-
Totals:	**18**	**$23,233,600**	**21**	**3,507**	**14.00**	**10.00**	**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	3,955	1,601
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	7,229	2,812
KY0570315	Nicholasville Utilities	Jessamine	30,703	12,584
KY0570010	Wilmore Water Works	Jessamine	6,403	2,211
KY0340250	Kentucky-American Water Company	Fayette	183	78
		Totals:	48,473	19,286

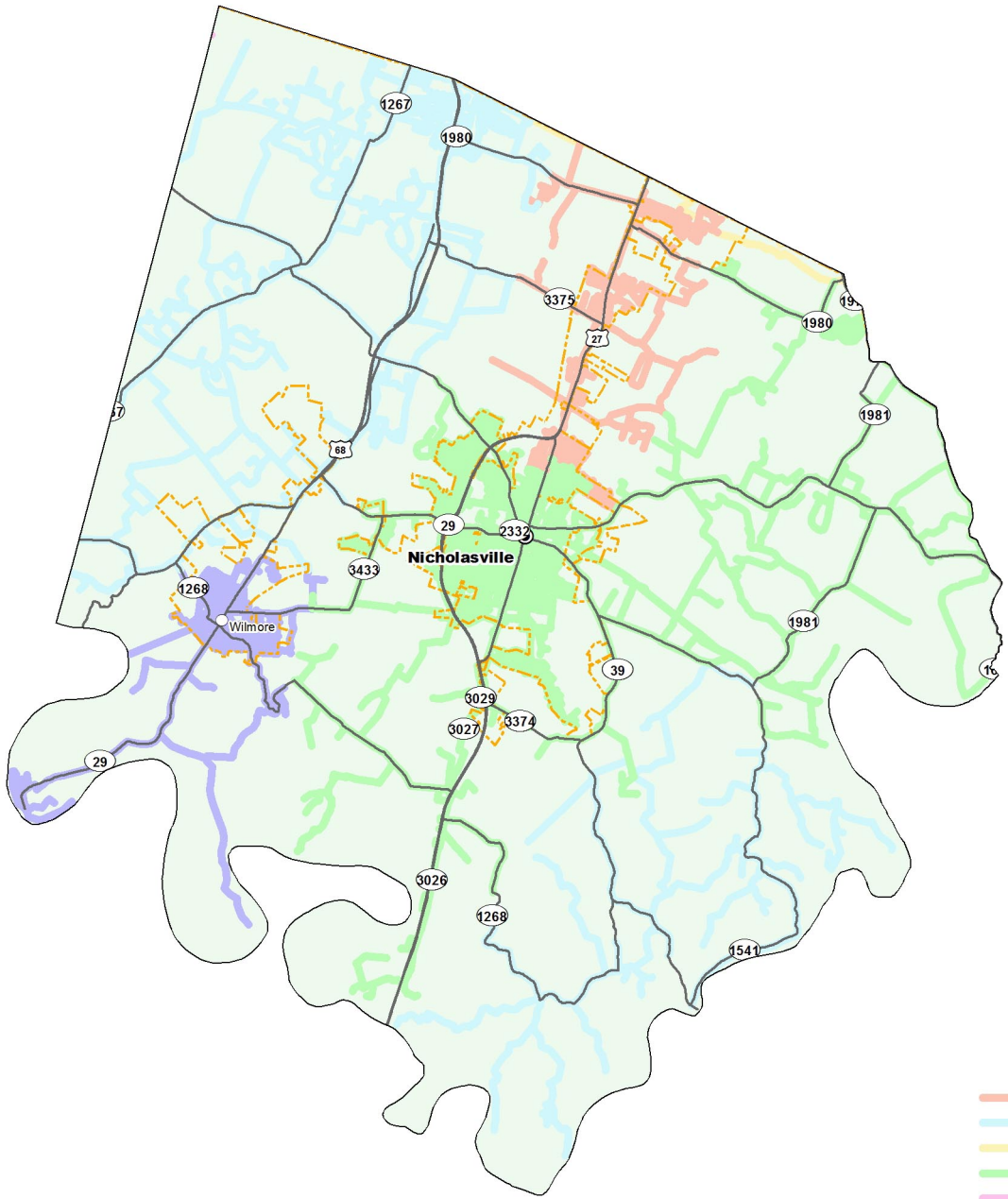
Kentucky Infrastructure Authority
February 19, 2016

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 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

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	$27.28 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,312
Residential Customers	1,738	Total Produced (MG)	-
Commercial Customers	574	Total Purchased (MG)	191.007
Institutional Customers	-	Total Inside Usage (MG)	16.570
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	91%

Total Distribution System Line Length = 50.62 miles (Distribution: 50.62 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
WX21113034	Jessamine County Water District #1 - Carolyn Lane Water Line Upgrade	0-2 Years	Not Funded	$660,000	Jessamine	28	4
WX21113012	Jessamine County Water District #1 - New Water Tank Project	0-2 Years	Partially Funded	$3,035,000	Jessamine		
WX21113010	Jessamine County Water District #1 - Water System Improvements	0-2 Years	Partially Funded	$1,350,000	Jessamine		
WX21113021	Jessamine Co. WD #1 - Ashgrove Pike Water System Improvements	0-2 Years	Not Funded	$625,000	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		
WX21113033	Jessamine County Water District #1 Sussex Estates Water Line Upgrade	0-2 Years	Not Funded	$475,000	Jessamine		
WX21113035	Jessamine County Water District #1 - Vincewood Water Line Upgrade	0-2 Years	Not Funded	$415,000	Jessamine		
WX21113022	Jessamine County Water District No. 1-SCADA System	0-2 Years	Not Funded	$235,000	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	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$42.50 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	2,795
Residential Customers	2,726	Total Produced (MG)	-
Commercial Customers	69	Total Purchased (MG)	221.078
Institutional Customers	-	Total Inside Usage (MG)	229.922
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-4%

Total Distribution System Line Length = 181.10 miles (Distribution: 181.10 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
WX21113041	Nicholasville – Jessamine South Elkhorn Water District Interconn	0-2 Years	Partially Funded	$663,000	Jessamine	16	1
WX21113016	Catnip Hill Pike 750,000 Gallon Elevated Storage Tank	0-2 Years	Partially Funded	$2,000,000	Jessamine		
WX21113031	Jessamine County - Wide Unserved Areas	0-2 Years	Not Funded	$997,000	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	$20.77 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$30.79 per 4,000 gallons.	Total Connections	13,463
Residential Customers	12,581	Total Produced (MG)	1,319.110
Commercial Customers	859	Total Purchased (MG)	31.340
Institutional Customers	-	Total Inside Usage (MG)	848.905
Industrial Customers	23	Total Wholesale Sold (MG)	214.257
Wholesale Customers	2	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 281.68 miles (Distribution: 276.79 miles, Transmission: 4.90 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	$3,682,622	Jessamine	7	2
WX21113041	Nicholasville – Jessamine South Elkhorn Water District Interconn	0-2 Years	Partially Funded	$663,000	Jessamine	16	1
WX21113028	Nicholasville 20" Backbone Water Main Extension	0-2 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		

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	No
Inside Mun. Cost	$22.41 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$36.70 per 4,000 gallons.	Total Connections	1,965
Residential Customers	1,892	Total Produced (MG)	188.700
Commercial Customers	73	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	112.070
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 47.01 miles (Distribution: 45.77 miles, Transmission: 1.25 miles).

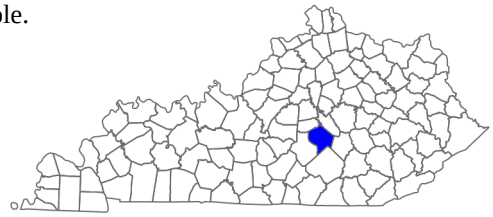
MG = Million Gallons.
MGD = Million Gallons per Day.

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	18	3
WX21113031	Jessamine County - Wide Unserved Areas	0-2 Years	Not Funded	$997,000	Jessamine		

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 577.16 miles of existing water lines.
- 19.00 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: $6,702,664.
- 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 64 serviceable households will be added through the construction of 19.00 miles of water line extensions and approximately 5,119 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 Crab Orchard	1	$443,700	-	27	2.00	-	-
City of Eubank	3	$712,500	-	1,015	-	-	-
City of Hustonville	1	$628,233	-	93	-	3.00	-
City of Stanford	2	$3,750,000	-	3,954	1.00	8.00	4.00
Lincoln County Fiscal Court	7	$555,000	59	13	11.00	1.00	-
McKinney Water District	1	$20,055	-	-	-	-	-
Stanford Water Commission	2	$4,066,000	-	17	-	-	-
Western Rockcastle Water Association Inc	1	$527,176	5	-	5.00	-	-
Totals:	**18**	**$10,702,664**	**64**	**5,119**	**19.00**	**12.00**	**4.00**

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	1,067	516
KY0690203	Hustonville Water Works	Lincoln	4,073	1,791
KY0690278	McKinney Water District	Lincoln	4,232	1,823
KY0690417	Stanford Water Commission	Lincoln	7,865	3,358
KY0110097	Danville City Water Works	Boyle	424	194
KY0110345	Parksville Water District	Boyle	94	43
KY0400151	Garrard County Water Association	Garrard	446	177
KY1000124	Eubank Water System	Pulaski	4,377	1,949
KY1000311	Southeastern Water Association	Pulaski	31	22
KY1020891	Western Rockcastle Water Association	Rockcastle	1,545	690
		Totals:	24,154	10,563

Kentucky Infrastructure Authority
February 19, 2016

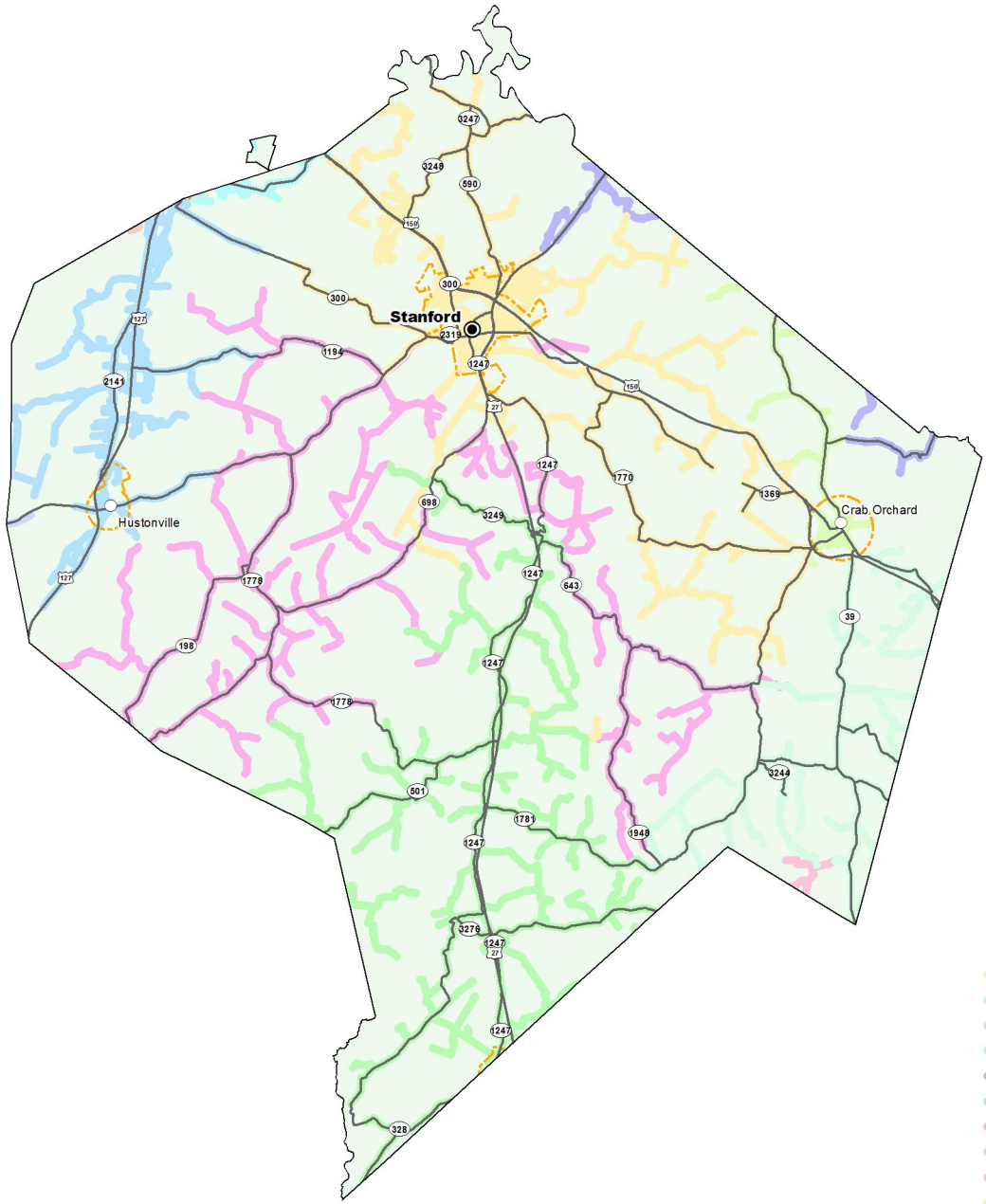
WATER SERVICE AREAS
LINCOLN COUNTY
Kentucky

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	$29.61 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$35.65 per 4,000 gallons.	Total Connections	568
Residential Customers	539	Total Produced (MG)	-
Commercial Customers	29	Total Purchased (MG)	31.756
Institutional Customers	-	Total Inside Usage (MG)	29.629
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%
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	12	1
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)	138.000
Institutional Customers	-	Total Inside Usage (MG)	83.501
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	39%

Total Distribution System Line Length = 73.70 miles (Distribution: 73.70 miles, Transmission: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21137050	City of Hustonville - Water System Improvements - Phase II	0-2 Years	Partially Funded	$628,233	Lincoln		

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	$36.52 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	2,196
Residential Customers	1,849	Total Produced (MG)	-
Commercial Customers	19	Total Purchased (MG)	129.578
Institutional Customers	-	Total Inside Usage (MG)	101.540
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	22%

Total Distribution System Line Length = 129.48 miles (Distribution: 127.37 miles, Transmission: 2.10 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
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	$20.46 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$23.31 per 4,000 gallons.	Total Connections	3,200
Residential Customers	3,179	Total Produced (MG)	386.535
Commercial Customers	239	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	188.310
Industrial Customers	5	Total Wholesale Sold (MG)	102.323
Wholesale Customers	2	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 169.06 miles (Distribution: 157.38 miles, Transmission: 11.68 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
WX21137007	Stanford Water Plant Expansion	6-10 Years	Not Funded	$4,000,000	Lincoln		
WX21137051	City of Stanford - Water System Upgrades	0-2 Years	Not Funded	$2,690,000	Lincoln		
WX21137014	City of Stanford - Danville Street System Improvement Project	0-2 Years	Not Funded	$1,060,000	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 99% serviceable.
- Projected 2020 population of 95,333 (change of 12,417).
- Madison County has 991.76 miles of existing water lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 11.00 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: $27,304,629.
- 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 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 71,784 instances of improved service through the rehabilitation of 11.00 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	7	$7,541,820	-	65,352	2.00	3.00	4.00
Kirksville Water Association	7	$1,711,041	-	1,178	-	5.00	1.00
Madison County Utilities District	4	$3,525,800	-	21	-	1.00	-
Southern Madison Water District	3	$2,545,768	-	633	3.00	2.00	-
Totals:	**23**	**$29,263,429**	**-**	**71,784**	**5.00**	**11.00**	**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	9,972	4,131
KY0760672	Kirksville Water Association	Madison	4,301	1,792
KY0760224	Madison County Utilities District	Madison	24,988	10,384
KY0760370	Richmond Water, Gas & Sewer	Madison	31,580	13,695
KY0760407	Southern Madison Water District	Madison	11,300	4,707
KY0330123	Estill County Water District #1	Estill	27	12
KY0400151	Garrard County Water Association	Garrard	137	60
KY0550209	Jackson County Water Association Inc	Jackson	50	21
		Totals:	82,355	34,802

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
MADISON COUNTY
Kentucky

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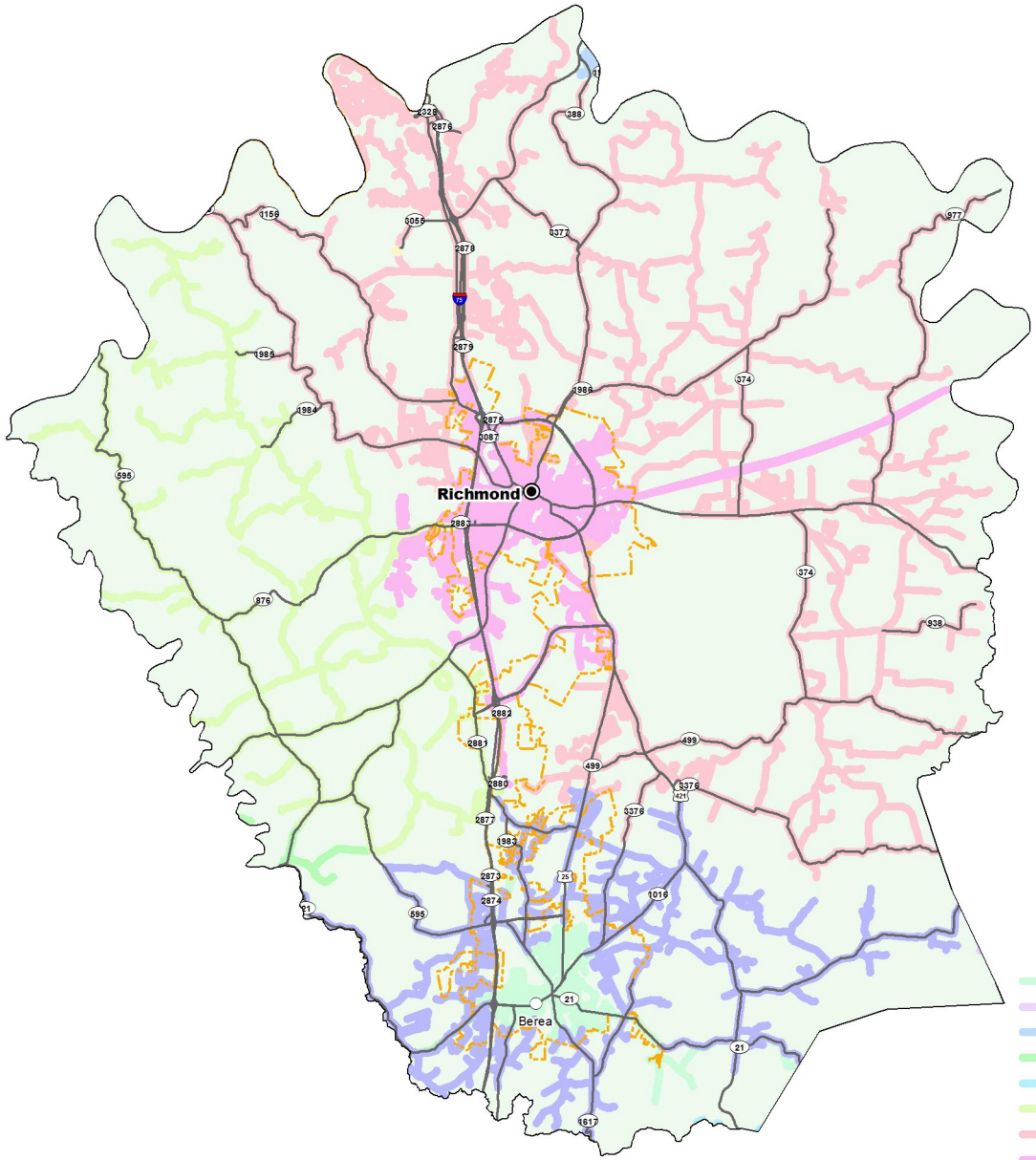
Water Resource Information System



WATER SERVICE BY OWNER

- 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	10	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$26.06 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$26.06 per 4,000 gallons.	Total Connections	4,078
Residential Customers	3,551	Total Produced (MG)	1,030.000
Commercial Customers	389	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	26.017
Industrial Customers	123	Total Wholesale Sold (MG)	379.064
Wholesale Customers	2	Estimated Pct. Water Loss	61%
Total Distribution System Line Length = 76.25 miles (Distribution: 65.28 miles, Transmission: 10.97 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
WX21151040	Berea Utilities - Owsley Fork Reservior (Red Lick Creek MPS No. 1) Rehabilitation	0-2 Years	Partially Funded	$13,259,000	Madison	9	4
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	17	6

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	$34.12 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	1,792
Residential Customers	1,730	Total Produced (MG)	-
Commercial Customers	60	Total Purchased (MG)	111.468
Institutional Customers	2	Total Inside Usage (MG)	92.290
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 120.37 miles (Distribution: 120.37 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
WX21151008	Standby Power Upgrade for Side Storage and College Hill Plant	0-2 Years	Not Funded	$2,546,700	Madison	3	1
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison	14	7
WX21151057	Kirksville Water Association - Welchwood / John Ballard WL Repla	3-5 Years	Not Funded	$284,600	Madison	22	8
WX21151056	Kirksville Water Association - Welchwood Master Meter Connection	0-2 Years	Not Funded	$189,500	Madison	26	3
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		
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		
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	$23.80 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	11,000
Residential Customers	9,488	Total Produced (MG)	-
Commercial Customers	623	Total Purchased (MG)	667.961
Institutional Customers	24	Total Inside Usage (MG)	467.529
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 418.84 miles (Distribution: 418.84 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
WX21151008	Standby Power Upgrade for Side Storage and College Hill Plant	0-2 Years	Not Funded	$2,546,700	Madison	3	1
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison	14	7
WX21151059	Whitt Road Water Line Replacement	0-2 Years	Not Funded	$165,400	Madison	34	5
WX21151024	Eastern 500,000 Gallon Tank - Madison County Utilities District	6-10 Years	Not Funded	$1,345,600	Madison		
WX21151022	Boonesboro 500,000 Gallon Elevated Tank Madison County Utilities District	3-5 Years	Not Funded	$1,284,500	Madison		
WX21151039	Madison County Utilities District - Radio Read Meters	0-2 Years	Not Funded	$730,300	Madison		
WX21151049	Mixing Systems for Two 5Mg Ground Storage Tanks	3-5 Years	Not Funded	$338,300	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	$16.88 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 14.000 MG.
Outside Mun. Cost	$23.07 per 4,000 gallons.	Total Connections	11,555
Residential Customers	10,390	Total Produced (MG)	2,674.524
Commercial Customers	1,126	Total Purchased (MG)	-
Institutional Customers	2	Total Inside Usage (MG)	-
Industrial Customers	26	Total Wholesale Sold (MG)	779.429
Wholesale Customers	2	Estimated Pct. Water Loss	71%

Total Distribution System Line Length = 209.48 miles (Distribution: 193.88 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
WX21151008	Standby Power Upgrade for Side Storage and College Hill Plant	0-2 Years	Not Funded	$2,546,700	Madison	3	1
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	$1,479,200	Madison	14	7
WX21151047	Richmond Main Street 10" Line Replacement	0-2 Years	Not Funded	$1,241,750	Madison		
WX21151045	Richmond Westover 8" Water Main Replacement	0-2 Years	Not Funded	$912,870	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		
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	$24.96 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	5,024
Residential Customers	4,922	Total Produced (MG)	-
Commercial Customers	98	Total Purchased (MG)	354.064
Institutional Customers	1	Total Inside Usage (MG)	239.092
Industrial Customers	2	Total Wholesale Sold (MG)	6.764
Wholesale Customers	1	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 158.34 miles (Distribution: 158.34 miles, Transmission: 0.00 miles).			

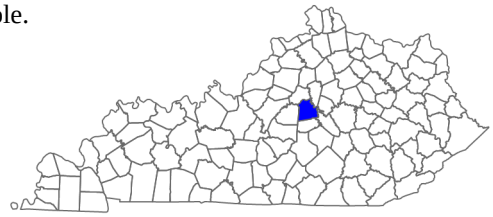
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	$680,000	Madison	17	6
WX21151003	I-75 and KY 595 Water Extension Project	3-5 Years	Not Funded	$1,982,768	Madison		
WX21151054	SMWD-Scaffold Cane Area Waterline Extension Project	0-2 Years	Partially Funded	$313,000	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 485.88 miles of existing water lines.
- There are no 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: $4,552,700.
- 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 3,050 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			
City of Harrodsburg	2	$3,377,700	-	436	-	5.00	-
Lake Village Water Association Inc	2	$1,175,000	-	2,614	-	6.00	-
Totals:	**4**	**$4,552,700**	**-**	**3,050**	**-**	**11.00**	**-**

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	8,310	3,983
KY0840587	Lake Village Water Association	Mercer	3,045	1,738
KY0840321	North Mercer Water District	Mercer	8,807	3,697
		Totals:	21,203	9,885

Kentucky Infrastructure Authority
February 19, 2016

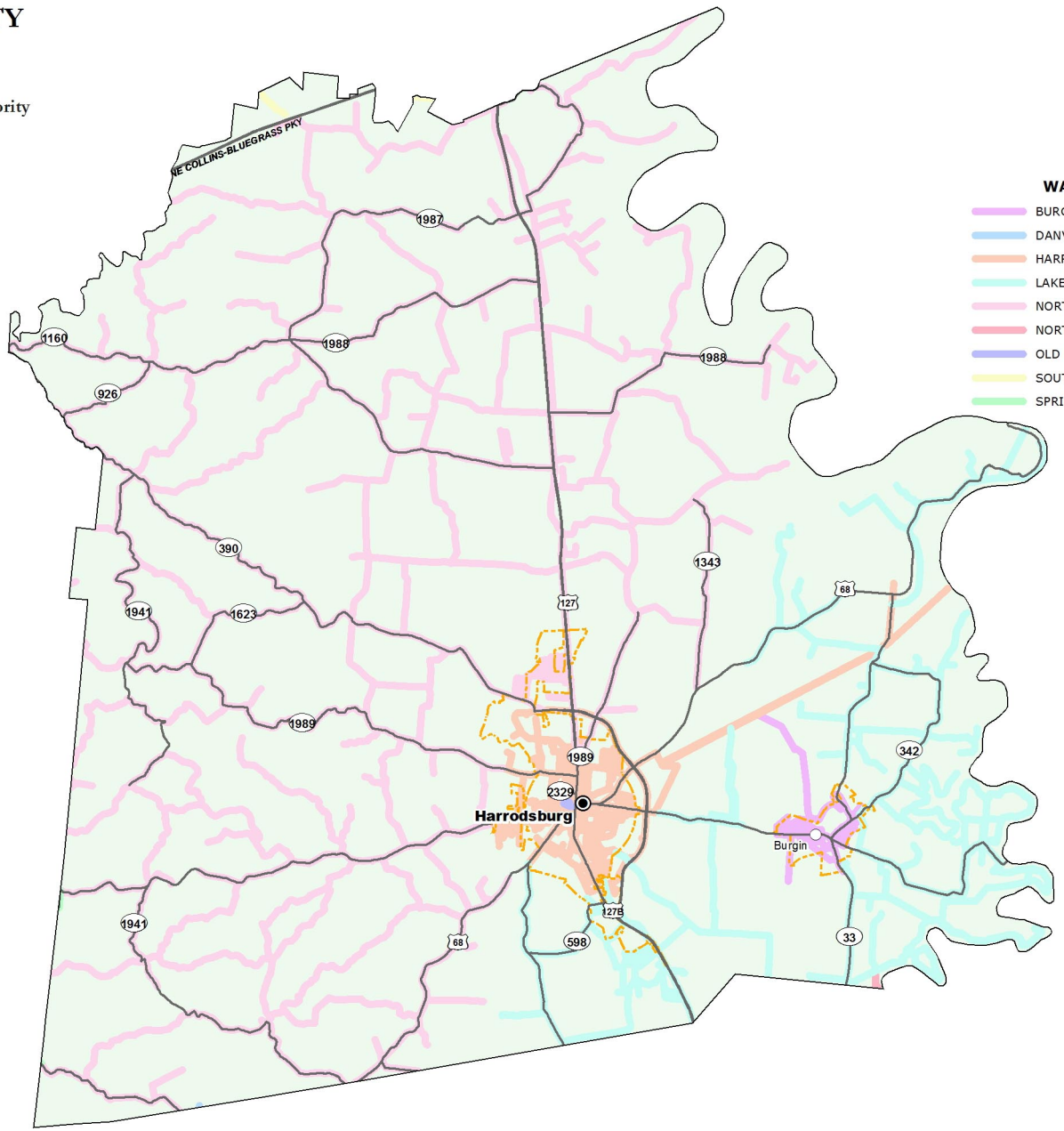
WATER SERVICE AREAS
MERCER COUNTY
Kentucky

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)	3.617
Institutional Customers	-	Total Inside Usage (MG)	24.627
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-581%

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	$22.37 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$22.37 per 4,000 gallons.	Total Connections	3,951
Residential Customers	3,014	Total Produced (MG)	1,115.217
Commercial Customers	241	Total Purchased (MG)	-
Institutional Customers	69	Total Inside Usage (MG)	784.285
Industrial Customers	22	Total Wholesale Sold (MG)	304.973
Wholesale Customers	3	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 81.78 miles (Distribution: 80.26 miles, Transmission: 1.52 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21167029	Water Distribution Main Replacement 2015	0-2 Years	Not Funded	$2,887,200	Mercer	11	2
WX21167030	Bay West Water Storage Tank Improvements	0-2 Years	Not Funded	$490,500	Mercer	30	3

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	$41.30 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	2,359
Residential Customers	2,326	Total Produced (MG)	-
Commercial Customers	33	Total Purchased (MG)	234.755
Institutional Customers	-	Total Inside Usage (MG)	45.743
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	81%

Total Distribution System Line Length = 127.53 miles (Distribution: 127.53 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	20	1
WX21167011	Lake Village Water Association - Water Master Plan	0-2 Years	Not Funded	$75,000	Mercer		

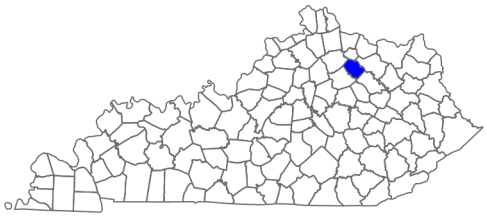
System Summary for North Mercer Water District

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	$37.06 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	4,296
Residential Customers	4,169	Total Produced (MG)	-
Commercial Customers	77	Total Purchased (MG)	275.263
Institutional Customers	50	Total Inside Usage (MG)	302.613
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-10%
Total Distribution System Line Length = 339.63 miles (Distribution: 339.40 miles, Transmission: 0.23 miles).			

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

There are no immediate projects for North Mercer Water District

Nicholas County



- 2010 census population of 7,135 (3,261 households) with 97% serviceable.
- Projected 2020 population of 7,411 (change of 276).
- Nicholas County has 284.85 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 97 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	2,059	1,065
KY0910314	Nicholas County Water District	Nicholas	3,410	1,482
KY0060392	Sharpsburg Water District	Bath	1,263	541
KY0910675	Western Fleming Water District	Fleming	40	23
KY0490179	Harrison County Water Association	Harrison	82	39
		Totals:	6,854	3,150

Kentucky Infrastructure Authority
February 19, 2016

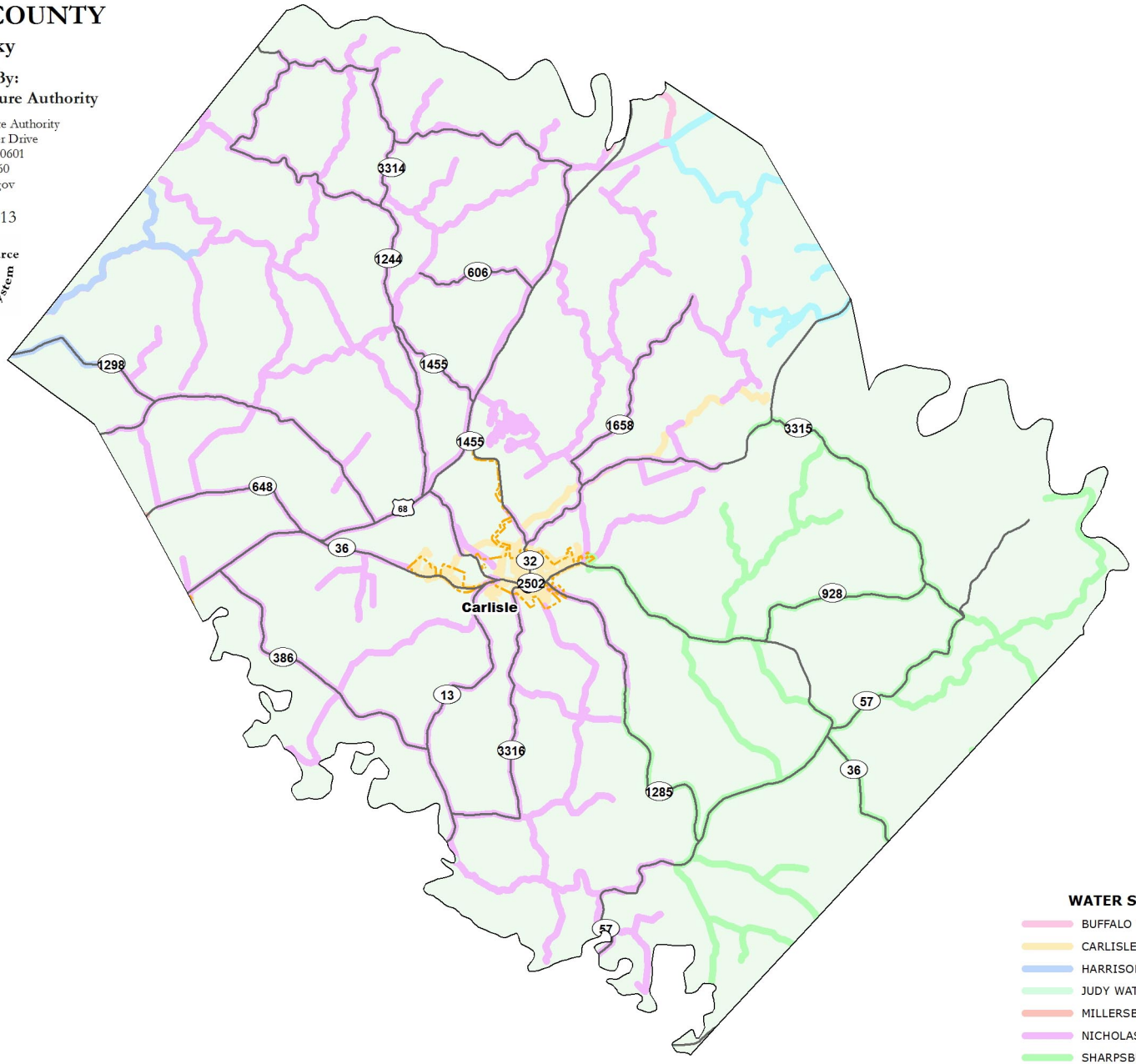
WATER SERVICE AREAS
NICHOLAS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

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	$22.24 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$28.89 per 4,000 gallons.	Total Connections	1,100
Residential Customers	915	Total Produced (MG)	130.000
Commercial Customers	78	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1.122
Industrial Customers	-	Total Wholesale Sold (MG)	52.344
Wholesale Customers	2	Estimated Pct. Water Loss	59%

Total Distribution System Line Length = 28.75 miles (Distribution: 18.18 miles, Transmission: 10.57 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		

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	2	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$33.42 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	1,532
Residential Customers	1,521	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	158.535
Institutional Customers	-	Total Inside Usage (MG)	68.624
Industrial Customers	-	Total Wholesale Sold (MG)	3.000
Wholesale Customers	1	Estimated Pct. Water Loss	55%

Total Distribution System Line Length = 186.94 miles (Distribution: 186.94 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 98% serviceable.
- Projected 2020 population of 12,319 (change of -294).
- Powell County has 277.54 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: $1,944,201.
- Estimated funding needs for projects from 6 to 10 years: $246,045.

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 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 11 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 9,678 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	$167,036	6	-	-	-	-
City of Clay City	1	$658,380	-	677	-	-	-
Levee Road Water Association Inc	1	$246,045	-	-	-	-	-
Powell County Fiscal Court	1	$107,055	3	-	-	-	-
Powell's Valley Water District	8	$1,011,730	2	9,001	-	1.00	-
Totals:	**12**	**$2,190,246**	**11**	**9,678**	**-**	**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	748
KY0990357	Powells Valley Water District	Powell	5,267	2,352
KY0990418	Stanton Water Commission	Powell	5,395	2,316
KY0330123	Estill County Water District #1	Estill	17	11
KY0870246	Levee Road Water Association, Inc	Montgomery	29	12
KY1190061	Campton Water System	Wolfe	76	44
		Totals:	12,422	5,483

Kentucky Infrastructure Authority
February 19, 2016

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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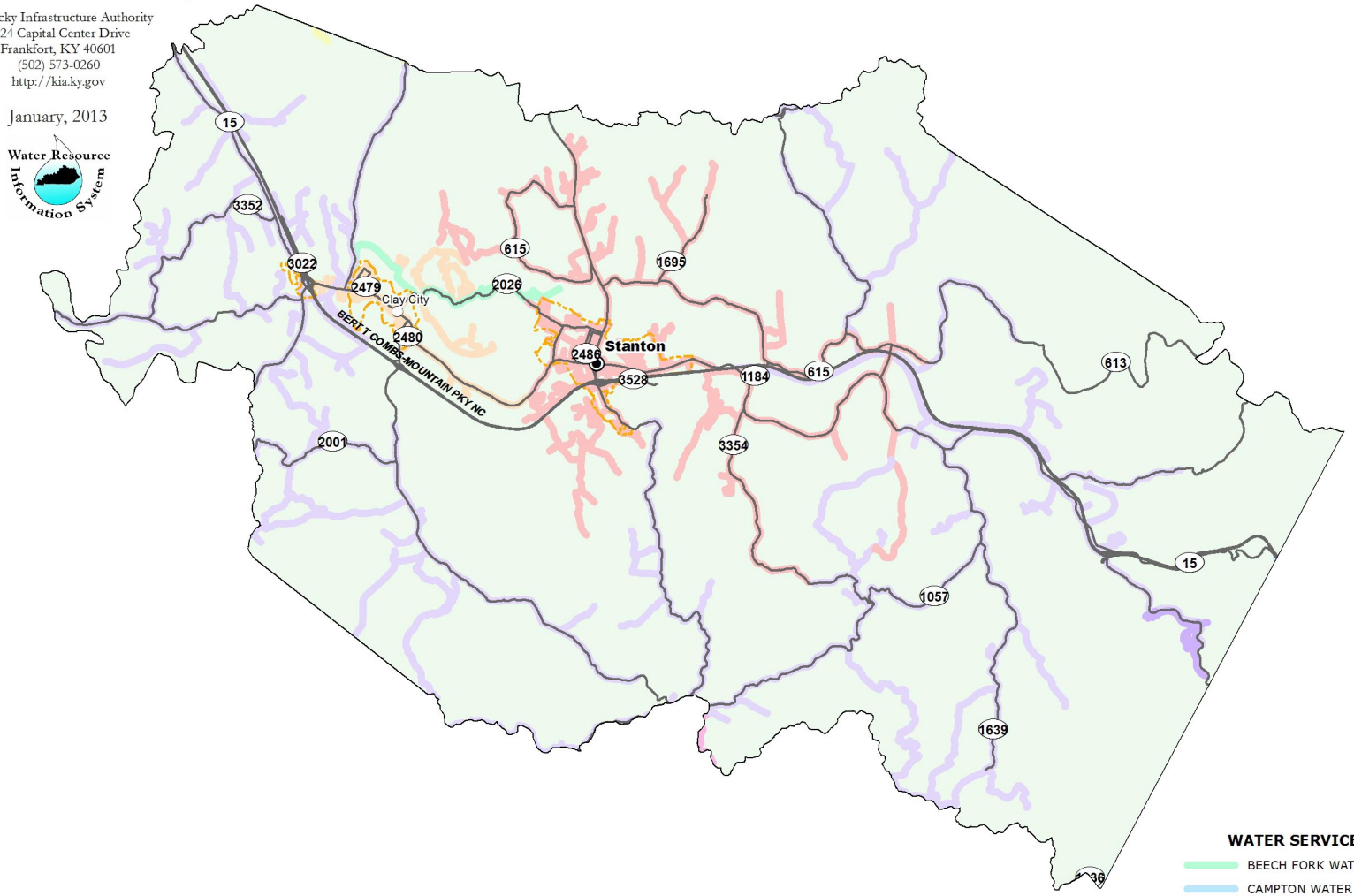


WATER SERVICE BY OWNER

- 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	$10.93 per 4,000 gallons.	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)	404.560
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	380.584
Wholesale Customers	3	Estimated Pct. Water Loss	6%
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	$29.78 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$39.89 per 4,000 gallons.	Total Connections	677
Residential Customers	617	Total Produced (MG)	-
Commercial Customers	55	Total Purchased (MG)	52.887
Institutional Customers	-	Total Inside Usage (MG)	31.438
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 20.48 miles (Distribution: 19.29 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
WX21197007	City of Clay City - 150,000 Gallon Elevated Water Storage Tank	0-2 Years	Not Funded	$658,380	Powell	4	1
WX21197017	CLAY CITY BUSINESS PARK WATER EXTENSION PROJECT	0-2 Years	Not Funded	$107,055	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	$39.34 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,250
Residential Customers	2,140	Total Produced (MG)	-
Commercial Customers	110	Total Purchased (MG)	132.161
Institutional Customers	-	Total Inside Usage (MG)	111.114
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 168.50 miles (Distribution: 168.50 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		
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		
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		

Powell County (continued)

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 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$27.38 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.80 per 4,000 gallons.	Total Connections	2,296
Residential Customers	2,089	Total Produced (MG)	-
Commercial Customers	205	Total Purchased (MG)	196.097
Institutional Customers	-	Total Inside Usage (MG)	120.822
Industrial Customers	-	Total Wholesale Sold (MG)	0.561
Wholesale Customers	1	Estimated Pct. Water Loss	38%
Total Distribution System Line Length = 87.31 miles (Distribution: 87.31 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Stanton Water Commission

Scott County

- 2010 census population of 47,173 (19,303 households) with 97% serviceable.
- Projected 2020 population of 63,984 (change of 16,811).
- Scott County has 597.39 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 97 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	32,903	13,618
KY0340250	Kentucky-American Water Company	Fayette	12,762	5,060
KY0490179	Harrison County Water Association	Harrison	255	119
		Totals:	45,920	18,797

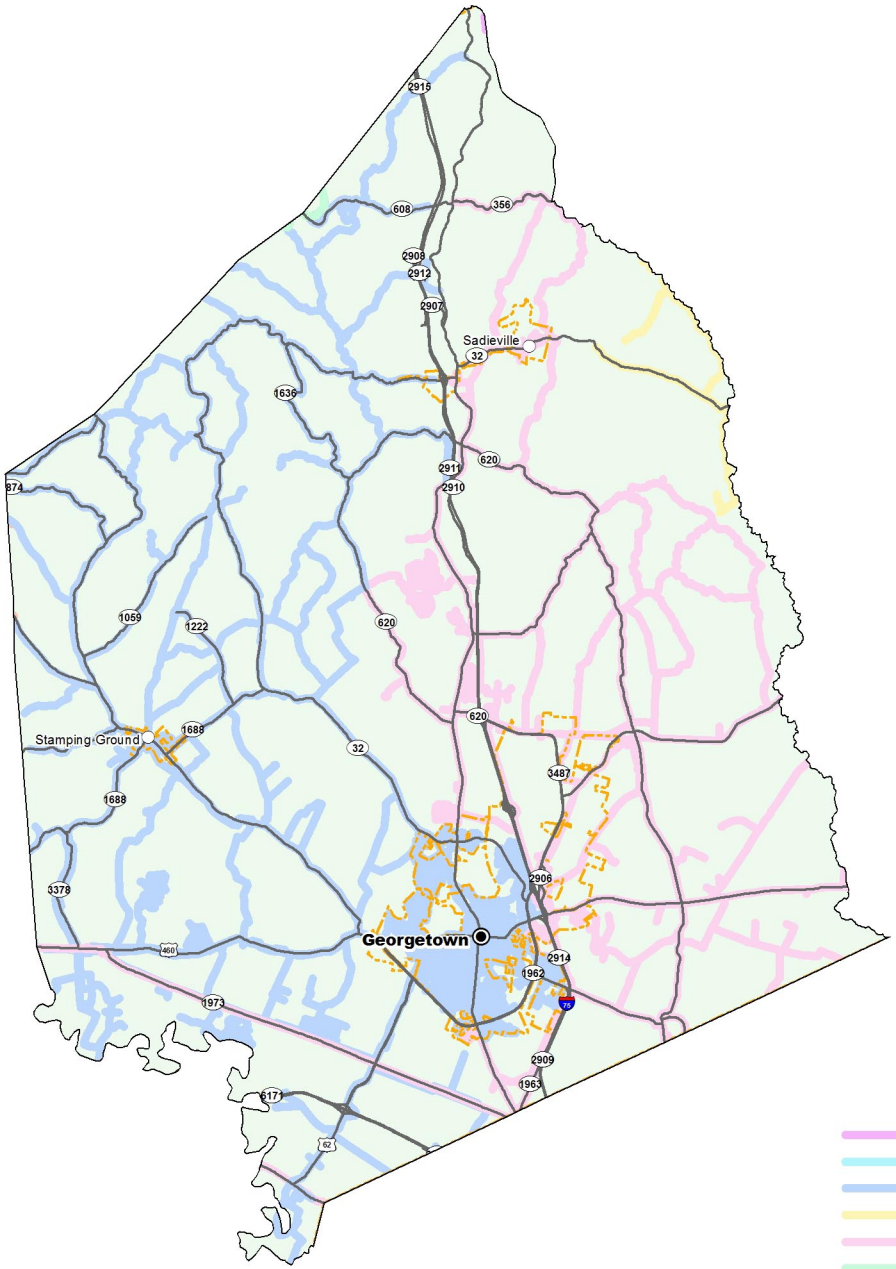
Kentucky Infrastructure Authority
February 19, 2016

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 SERVICE BY OWNER

- CORINTH WATER DISTRICT
- ELKHORN WATER DISTRICT
- GEORGETOWN MUNICIPAL WATER & SEWER SERVICE
- HARRISON COUNTY WATER ASSOCIATION
- KENTUCKY-AMERICAN WATER COMPANY
- KENTUCKY-AMERICAN WATER COMPANY - NORTHERN DIVISION
- PEAKS MILL WATER DISTRICT

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	56	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	$18.14 per 4,000 gallons.	Total Connections	12,912
Residential Customers	11,647	Total Produced (MG)	916.242
Commercial Customers	1,253	Total Purchased (MG)	123.829
Institutional Customers	-	Total Inside Usage (MG)	859.601
Industrial Customers	12	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 397.30 miles (Distribution: 396.54 miles, Transmission: 0.76 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 96% serviceable.
- Projected 2020 population of 26,817 (change of 1,878).
- Woodford County has 323.60 miles of existing water lines.
- 10.00 miles of 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: $5,695,275.
- 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 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 10.00 miles of water line extensions and approximately 11,847 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 Versailles	2	$2,811,125	-	11,762	-	-	1.00
Northeast Woodford County Water District	3	$398,150	2	50	1.00	1.00	-
South Woodford Water District	4	$1,126,000	-	35	1.00	3.00	1.00
Woodford County Fiscal Court	2	$1,360,000	52	-	8.00	-	-
Totals:	**11**	**$5,695,275**	**54**	**11,847**	**10.00**	**4.00**	**2.00**

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	1,734	757
KY1200310	Northeast Woodford County Water District	Woodford	2,207	945
KY1200411	South Woodford County Water District	Woodford	3,740	1,628
KY1200439	Versailles Municipal Water	Woodford	14,370	6,110
KY0340250	Kentucky-American Water Company	Fayette	501	205
KY0370143	Frankfort Plant Board	Franklin	1,302	635
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	46	18
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	52	19
		Totals:	23,952	10,317

Kentucky Infrastructure Authority
February 19, 2016

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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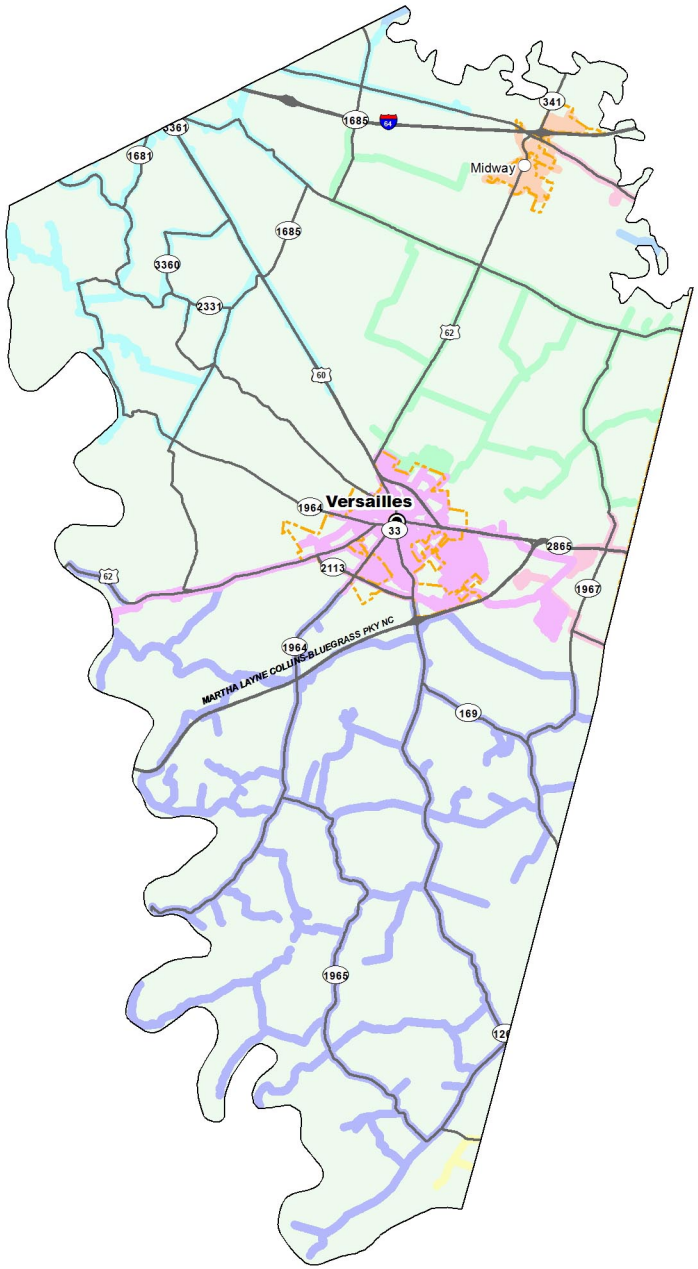
Water Resource Information System



WATER SERVICE BY OWNER

- FRANKFORT PLANT BOARD
- GEORGETOWN MUNICIPAL WATER & SEWER SERVICE
- JESSAMINE- SOUTH ELKHORN WATER DISTRICT
- KENTUCKY-AMERICAN WATER COMPANY
- MIDWAY MUNICIPAL WATER WORKS
- NORTHEAST WOODFORD COUNTY WATER DISTRICT
- SOUTH WOODFORD COUNTY WATER DISTRICT
- VERSAILLES MUNICIPAL WATER

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	740
Residential Customers	686	Total Produced (MG)	-
Commercial Customers	44	Total Purchased (MG)	61.682
Institutional Customers	-	Total Inside Usage (MG)	38.900
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%

Total Distribution System Line Length = 15.87 miles (Distribution: 15.87 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 1 provider.
Non-Municipal Cost	$21.20 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	995
Residential Customers	995	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	143.410
Institutional Customers	-	Total Inside Usage (MG)	153.037
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-7%

Total Distribution System Line Length = 47.42 miles (Distribution: 47.42 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
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
WX21239009	Sugar Hill Road Extension	0-2 Years	Not Funded	$123,400	Woodford	33	2
WX21239032	NE Woodford Co WD - Big Sink BPS Replacement	0-2 Years	Not Funded	$214,750	Woodford		
WX21239031	Northeast Woodford Water District-Old Frankfort Pike Reconstruct	0-2 Years	Not Funded	$60,000	Woodford		

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	$29.54 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	1,568
Residential Customers	1,547	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	173.704
Institutional Customers	-	Total Inside Usage (MG)	130.085
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 107.91 miles (Distribution: 107.91 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
WX21239026	Versailles Raw Water Main Replacement	0-2 Years	Not Funded	$1,234,500	Woodford	6	3
WX21239015	South Woodford Water District - Cummins Ferry Water Line Replace	0-2 Years	Not Funded	$412,000	Woodford	27	6
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

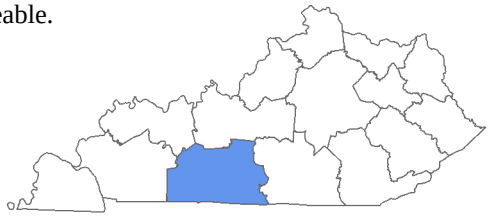
PWSID	KY1200439	Treats Water	Yes, 1 plant with total capacity of 10.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	12	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$20.77 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$24.44 per 4,000 gallons.	Total Connections	6,318
Residential Customers	5,576	Total Produced (MG)	1,101.910
Commercial Customers	733	Total Purchased (MG)	0.004
Institutional Customers	-	Total Inside Usage (MG)	327.000
Industrial Customers	7	Total Wholesale Sold (MG)	317.114
Wholesale Customers	2	Estimated Pct. Water Loss	42%
Total Distribution System Line Length = 94.88 miles (Distribution: 84.11 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
WX21239026	Versailles Raw Water Main Replacement	0-2 Years	Not Funded	$1,234,500	Woodford	6	3
WX21239030	Automatic Meter Reading (AMR) System	0-2 Years	Not Funded	$1,576,625	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).
- 6,764.95 miles of existing water lines.
- 114.00 miles of line extensions proposed in the next 10 years.
- 67.00 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: $96,002,209.
- Estimated funding needs for projects from 6 to 10 years: $13,088,200.
- Average age of structures: water treatment plants is 37 years; water tanks is 28 years.
- Total number of interconnected systems is 42.
- 179 miles of asbestos concrete pipe currently in use.
- 1,172 miles of water lines less than 15 years old.
- 1,274 miles of water lines between 15 and 30 years old.
- 2,792 miles of water lines between 31 and 50 years old.
- 1,613 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 785 serviceable households will be added through the construction of 114.00 miles of water line extensions and approximately 96,392 instances of improved service through the rehabilitation of 67.00 miles of existing water lines and other appurtenances. 12.00 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%	$ 3,701,480
Barren	42,173	19,188	46,361	19,245	19,114	100%	$ 11,808,000
Butler	12,690	5,877	12,544	5,178	5,658	96%	$ 8,161,590
Edmonson	12,161	6,467	12,628	5,283	6,380	99%	$ 3,920,343
Hart	18,199	8,559	18,690	7,604	8,447	99%	$ 20,172,023
Logan	26,835	12,339	27,382	11,301	12,143	98%	$ 6,396,502
Metcalfe	10,099	4,681	10,329	4,306	4,535	97%	$ 4,817,796
Monroe	10,963	5,204	10,405	4,423	5,102	98%	$ 7,014,200
Simpson	17,327	7,435	18,342	7,429	7,180	97%	$ 9,361,975
Warren	113,792	47,223	137,250	54,299	44,731	95%	$ 33,736,500
Totals	**284,195**	**126,280**	**316,297**	**128,239**	**122,385**	**97%**	**$ 109,090,409**

Kentucky Infrastructure Authority
February 19, 2016

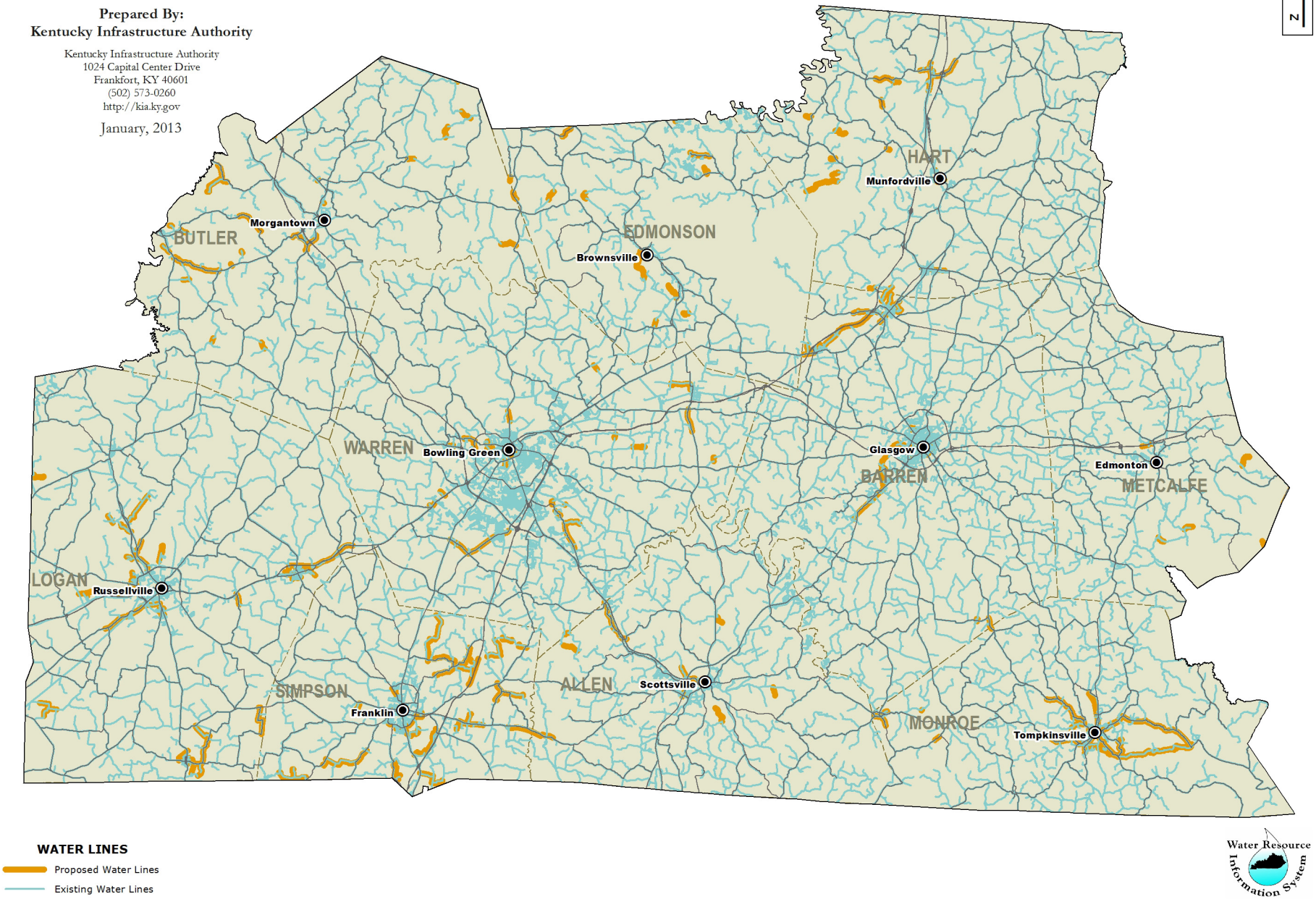
EXISTING & PROPOSED WATER LINES

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	6,138
KY0020386	Scottsville Water Department	Allen	5,115	2,444
KY0050490	Cave City Water System	Barren	2,676	1,313
KY0050344	Caveland Environmental Authority	Barren	590	282
KY0050929	Glasgow Water Company	Barren	36,746	16,708
KY0160052	Butler County Water System	Butler	10,678	4,920
KY0160294	Morgantown Utilities	Butler	2,202	1,015
KY0310706	Brownsville Municipal Water System	Edmonson	692	349
KY0310114	Edmonson County Water District	Edmonson	17,603	10,369
KY0500032	Bonnieville Water District	Hart	444	247
KY0500166	Green River Valley Water District	Hart	16,337	7,293
KY0500476	Horse Cave Water System	Hart	2,285	1,111
KY0500305	Munfordville Water Works	Hart	1,484	757
KY0710001	Adairville Water Works	Logan	912	441
KY0710012	Auburn Water Department	Logan	1,379	647
KY0710951	East Logan Water District	Logan	7,780	3,192
KY0710247	Lewisburg Water Works	Logan	2,482	1,202
KY0710318	North Logan Water District	Logan	1,396	618
KY0710378	Russellville Municipal Water System	Logan	7,170	3,448
KY0710707	South Logan Water Association	Logan	4,110	1,811
KY0850115	Edmonton Water Works	Metcalfe	7,191	3,316
KY0860141	Fountain Run Water District #1	Monroe	882	487
KY0860150	Monroe County Water District	Monroe	7,894	3,649
KY0860426	Tompkinsville Water Works	Monroe	2,404	1,204
KY1070144	Franklin Water Works	Simpson	10,457	4,592
KY1070398	Simpson County Water District	Simpson	6,693	2,795
KY1140038	Bowling Green Municipal Utilities	Warren	46,878	19,759
KY1140487	Warren County Water District	Warren	61,349	25,054
		Totals:	279,337	125,161

Project Rankings For Barren River Area Development District

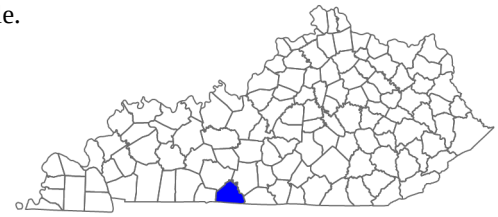
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21171045	Monroe County Water District - New Regional Water Treatment Plant and Water System Improvements	3-5 Years	Over Funded	$12,412,000	Monroe	1	1
WX21061027	Edmonson County Water District - Edmonson and Hart Extensions # 1	3-5 Years	Not Funded	$1,117,215	Edmonson	2	1
WX21227087	BGMU - Water Treatment Plant Expansion	0-2 Years	Not Funded	$39,500,000	Warren	3	1
WX21213028	City of Franklin - West Cedar St. Water Line	0-2 Years	Not Funded	$495,975	Simpson	4	1
WX21141020	City of Lewisburg - Radio Read Meter Purchase	0-2 Years	Not Funded	$220,000	Logan	5	1
WX21169032	Edmonton - Water Storage Tank Renovations/SCADA System - Phase II	3-5 Years	Not Funded	$800,000	Metcalfe	6	1
WX21003003	White Plains Tank Painting	3-5 Years	Not Funded	$350,000	Allen	7	1
WX21009032	Glasgow Water Improvement - 20 Inch Transmission Line to Haywood	3-5 Years	Not Funded	$4,500,000	Barren	8	1
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	$333,045	Hart	9	1
WX21031049	Butler County Water Line Extensions	0-2 Years	Not Funded	$134,300	Butler	10	1
WX21227053	WCWD - Morgantown Road Area Improvements	0-2 Years	Not Funded	$1,114,000	Warren	11	2
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21171013	Tompkinsville Downtown Water Line Replacement	3-5 Years	Not Funded	$500,000	Monroe	13	2
WX21009030	Caveland Environmental - Blair Road	3-5 Years	Not Funded	$198,000	Barren	14	2
WX21141056	East Logan Water District - Line Improvement Upgrades	3-5 Years	Not Funded	$3,070,000	Logan	15	2
WX21169025	Edmonton - Joe Fields and Lone Star Line Replacement	3-5 Years	Not Funded	$150,000	Metcalfe	16	2
WX21003001	Holland Road New Pump Station Project	0-2 Years	Not Funded	$1,334,180	Allen	17	2
WX21213027	City of Franklin - W. Madison St. Water Line Project	3-5 Years	Not Funded	$471,000	Simpson	18	3
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	$1,061,585	Edmonson	19	2
WX21031042	Morgantown - Water Plant Improvements	3-5 Years	Not Funded	$500,000	Butler	20	2
WX21099033	Bonnieville Waterline Improvement Project	3-5 Years	Not Funded	$2,040,100	Hart	21	3
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	0-2 Years	Not Funded	$2,000,000	Barren	22	3
WX21171037	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	3-5 Years	Not Funded	$123,000	Monroe	23	3
WX21141046	City of Russellville - Newtown 6 Inch Waterline Extension	0-2 Years	Not Funded	$500,000	Logan	24	3
WX21169030	Roy Grider Road Water Main Connection	3-5 Years	Not Funded	$97,971	Metcalfe	25	3
WX21213029	City of Franklin - Morgantown Rd Water Line	3-5 Years	Not Funded	$336,000	Simpson	26	5
WX21227050	BGMU - Alternative Water Study	3-5 Years	Partially Funded	$400,000	Warren	27	3
WX21003020	Water Line Extension to Sumitomo Plant	3-5 Years	Not Funded	$654,300	Allen	28	3
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	$176,000	Edmonson	29	3
WX21031046	BCWS - Pump Station Standby Power System	0-2 Years	Not Funded	$90,000	Butler	30	3
WX21213034	SCWD- Macedonia Road Fire Protection	3-5 Years	Not Funded	$120,000	Simpson	31	2
WX21099019	City of Munfordville - Water Line Improvements	3-5 Years	Fully Funded	$150,000	Hart	32	4
WX21141023	City of Auburn-Water Project #2	0-2 Years	Partially Funded	$370,926	Logan	33	4
WX21171029	Monroe County Water District Improvements - GPS Mapping System	3-5 Years	Not Funded	$150,000	Monroe	34	4

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009029	Westside Line Improvement - Glasgow	0-2 Years	Not Funded	$105,000	Barren	35	4
WX21169034	Martin Cemetery Road Water Main	3-5 Years	Not Funded	$55,370	Metcalfe	36	4
WX21227028	WCWD - Greenwood Pump Station #2	3-5 Years	Not Funded	$275,000	Warren	37	4
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank Demolition	3-5 Years	Not Funded	$350,000	Allen	38	4
WX21031039	Morgantown - Water Tank	0-2 Years	Fully Funded	$200,000	Butler	39	4
WX21009010	Glasgow Water Improvement	0-2 Years	Not Funded	$230,000	Barren	40	5
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	$977,075	Hart	41	5
WX21171046	New Water Line - KY 87 (South) - Long Hollow Road to Tennessee L	3-5 Years	Not Funded	$151,000	Monroe	42	5
WX21141027	Russellville Water Project #4	3-5 Years	Not Funded	$647,672	Logan	43	5
WX21213042	SCWD - Rural Fire Protection Project A	3-5 Years	Not Funded	$803,000	Simpson	44	4
WX21003012	City of Scottsville - WTP Emergency Generator Project	3-5 Years	Not Funded	$500,000	Allen	45	5
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	$2,000,000	Metcalfe	46	5
WX21031028	BCWS - Jetson Tank Replacement	3-5 Years	Not Funded	$550,000	Butler	47	5
WX21227066	BGMU - South Park Pump Station Emergency Generator	0-2 Years	Not Funded	$125,000	Warren	48	5
			Total Cost:	**$90,438,714**			

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 601.40 miles of existing water lines.
- 4.00 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: $3,424,480.
- 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 4.00 miles of water line extensions and approximately 2,125 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 Scottsville	5	$3,188,480	-	2,125	-	1.00	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:	**8**	**$3,701,480**	**12**	**2,125**	**4.00**	**1.00**	**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	6,137
KY0020386	Scottsville Water Department	Allen	5,115	2,444
KY0050929	Glasgow Water Company	Barren	132	147
KY0860141	Fountain Run Water District #1	Monroe	275	140
KY1070398	Simpson County Water District	Simpson	297	144
KY1140487	Warren County Water District	Warren	206	83
		Totals:	19,528	9,095

Kentucky Infrastructure Authority
February 19, 2016

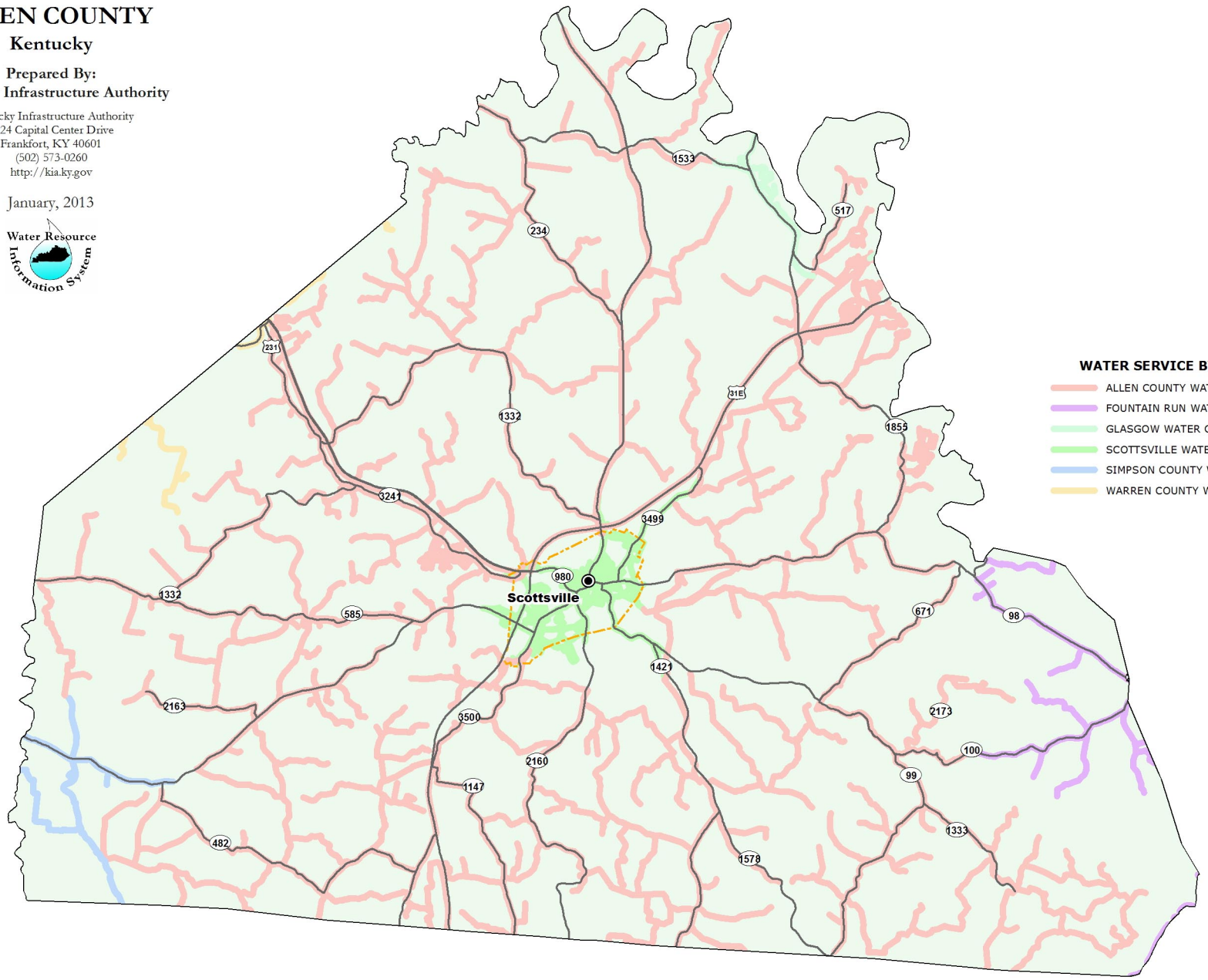
WATER SERVICE AREAS
ALLEN COUNTY
Kentucky

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	5,250
Residential Customers	4,936	Total Produced (MG)	-
Commercial Customers	313	Total Purchased (MG)	341.536
Institutional Customers	-	Total Inside Usage (MG)	313.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 474.01 miles (Distribution: 449.24 miles, Transmission: 24.77 miles).

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

There are no immediate projects for Allen County Water District

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	4	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, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$31.19 per 4,000 gallons.	Total Connections	2,329
Residential Customers	2,071	Total Produced (MG)	292.300
Commercial Customers	238	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	232.008
Industrial Customers	19	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 82.73 miles (Distribution: 68.99 miles, Transmission: 13.74 miles).

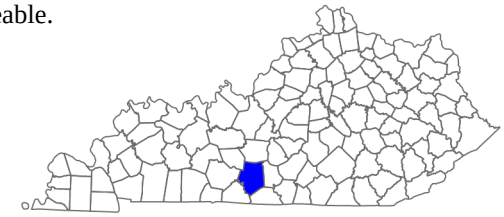
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21003003	White Plains Tank Painting	3-5 Years	Not Funded	$350,000	Allen	7	1
WX21003001	Holland Road New Pump Station Project	0-2 Years	Not Funded	$1,334,180	Allen	17	2
WX21003020	Water Line Extension to Sumitomo Plant	3-5 Years	Not Funded	$654,300	Allen	28	3
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank Demolition	3-5 Years	Not Funded	$350,000	Allen	38	4
WX21003012	City of Scottsville - WTP Emergency Generator Project	3-5 Years	Not Funded	$500,000	Allen	45	5

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 1,020.56 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.
- 8.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,808,000.
- 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 5,053 instances of improved service through the rehabilitation of 10.00 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			
Caveland Environmental Authority	6	$3,898,000	-	4,611	-	5.00	-
Glasgow Water and Sewer Commission	7	$7,210,000	-	442	-	5.00	8.00
Hart County Fiscal Court	1	$700,000	-	-	-	-	-
Totals:	**14**	**$11,808,000**	**-**	**5,053**	**-**	**10.00**	**8.00**

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
KY0050490	Cave City Water System	Barren	2,610	1,289
KY0050344	Caveland Environmental Authority	Barren	589	281
KY0050929	Glasgow Water Company	Barren	36,465	16,505
KY0500166	Green River Valley Water District	Hart	2,161	956
KY0850115	Edmonton Water Works	Metcalfe	30	12
KY0860141	Fountain Run Water District #1	Monroe	89	52
		Totals:	41,944	19,095

Kentucky Infrastructure Authority
February 19, 2016

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

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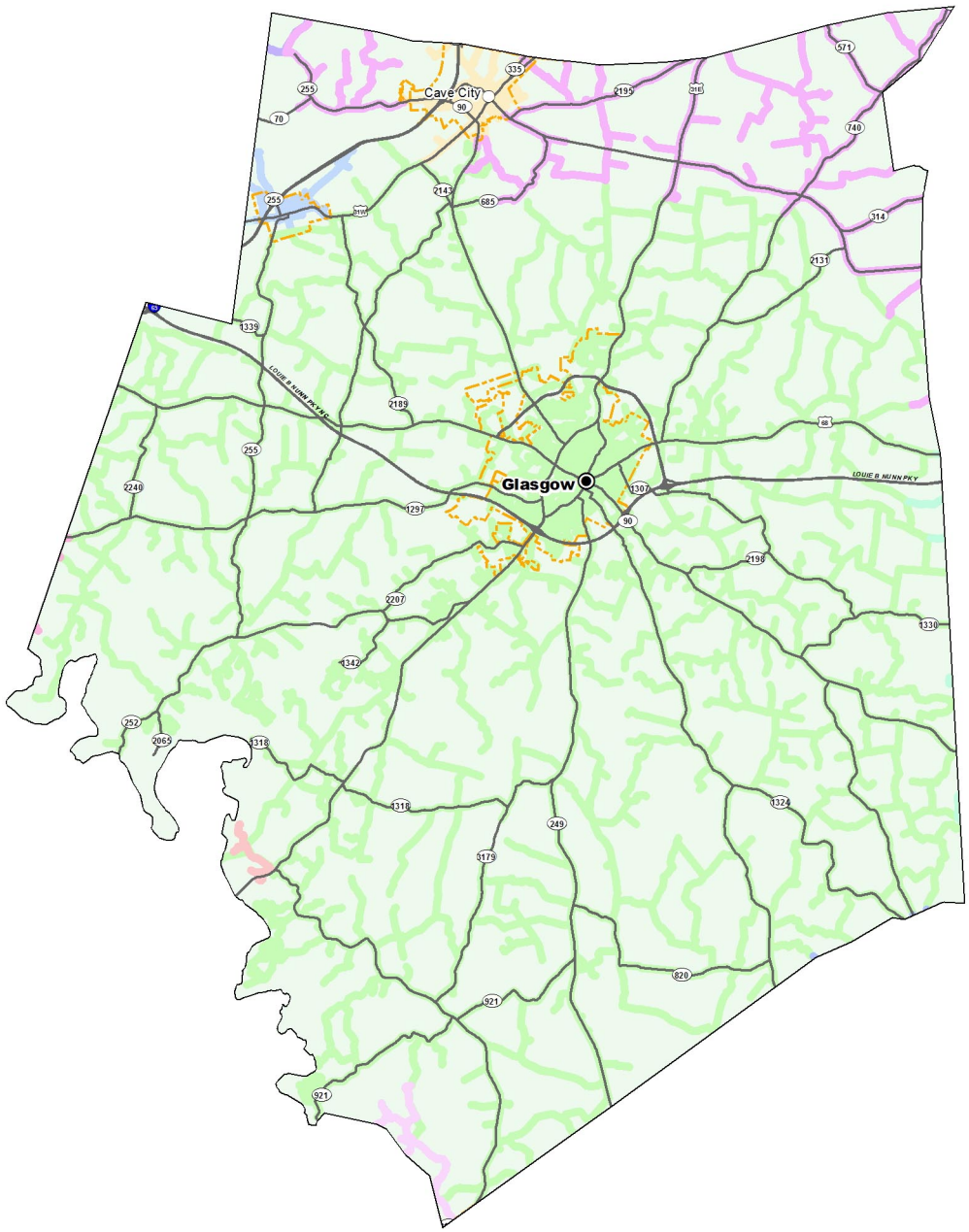


WATER SERVICE BY OWNER

- 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

System Summary for Cave City Water System

PWSID	KY0050490	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	16	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$24.96 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$24.96 per 4,000 gallons.	Total Connections	1,299
Residential Customers	1,249	Total Produced (MG)	-
Commercial Customers	50	Total Purchased (MG)	136.454
Institutional Customers	-	Total Inside Usage (MG)	95.850
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%
Total Distribution System Line Length = 33.50 miles (Distribution: 33.50 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Cave City Water System

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	13	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$21.93 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	292
Residential Customers	283	Total Produced (MG)	-
Commercial Customers	9	Total Purchased (MG)	32.246
Institutional Customers	-	Total Inside Usage (MG)	41.009
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-27%

Total Distribution System Line Length = 13.49 miles (Distribution: 13.49 miles, Transmission: 0.00 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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21009030	Caveland Environmental - Blair Road	3-5 Years	Not Funded	$198,000	Barren	14	2
WX21009034	Caveland Environmental - Cave City Water Lines	0-2 Years	Not Funded	$1,500,000	Barren		
WX21009036	Caveland Environmental - Park City Water Line #1	0-2 Years	Not Funded	$700,000	Barren		
WX21009035	Caveland Environmental - Cave City Water Line Replacement	3-5 Years	Not Funded	$600,000	Barren		
WX21009037	Caveland Environmental - Park City Water Lines #2	3-5 Years	Not Funded	$500,000	Barren		
WX21009023	Caveland Environmental Authority - Water Tank	0-2 Years	Not Funded	$400,000	Barren		
WX21009011	Glasgow Water Improvement	0-2 Years	Not Funded	$180,000	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	45	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 7 purchasers.
Inside Mun. Cost	$14.64 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$19.81 per 4,000 gallons.	Total Connections	17,612
Residential Customers	16,380	Total Produced (MG)	2,701.000
Commercial Customers	1,141	Total Purchased (MG)	0.840
Institutional Customers	-	Total Inside Usage (MG)	1,451.322
Industrial Customers	85	Total Wholesale Sold (MG)	663.058
Wholesale Customers	7	Estimated Pct. Water Loss	22%

Total Distribution System Line Length = 883.57 miles (Distribution: 883.40 miles, Transmission: 0.16 miles).

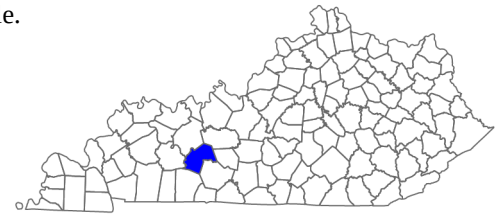
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21009032	Glasgow Water Improvement - 20 Inch Transmission Line to Haywood	3-5 Years	Not Funded	$4,500,000	Barren	8	1
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	0-2 Years	Not Funded	$2,000,000	Barren	22	3
WX21009029	Westside Line Improvement - Glasgow	0-2 Years	Not Funded	$105,000	Barren	35	4
WX21009010	Glasgow Water Improvement	0-2 Years	Not Funded	$230,000	Barren	40	5
WX21009033	Glasgow Water Improvement - 20 Inch Transmission Line Haywood to Grandview Ave	3-5 Years	Not Funded	$1,750,000	Barren		
WX21009028	Southside Line Improvement - Glasgow	0-2 Years	Not Funded	$120,000	Barren		
WX21009009	Glasgow Water Improvement	0-2 Years	Not Funded	$75,000	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 498.60 miles of existing water lines.
- 13.00 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: $7,293,590.
- 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 18 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 48 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	12	$5,567,300	16	48	12.00	8.00	-
City of Morgantown	1	$500,000	-	-	-	-	-
Edmonson County Water District	2	$2,094,290	2	-	1.00	-	-
Totals:	**15**	**$8,161,590**	**18**	**48**	**13.00**	**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	9,990	4,616
KY0160294	Morgantown Utilities	Butler	2,202	1,015
KY1140487	Warren County Water District	Warren	38	18
		Totals:	12,230	5,649

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
BUTLER 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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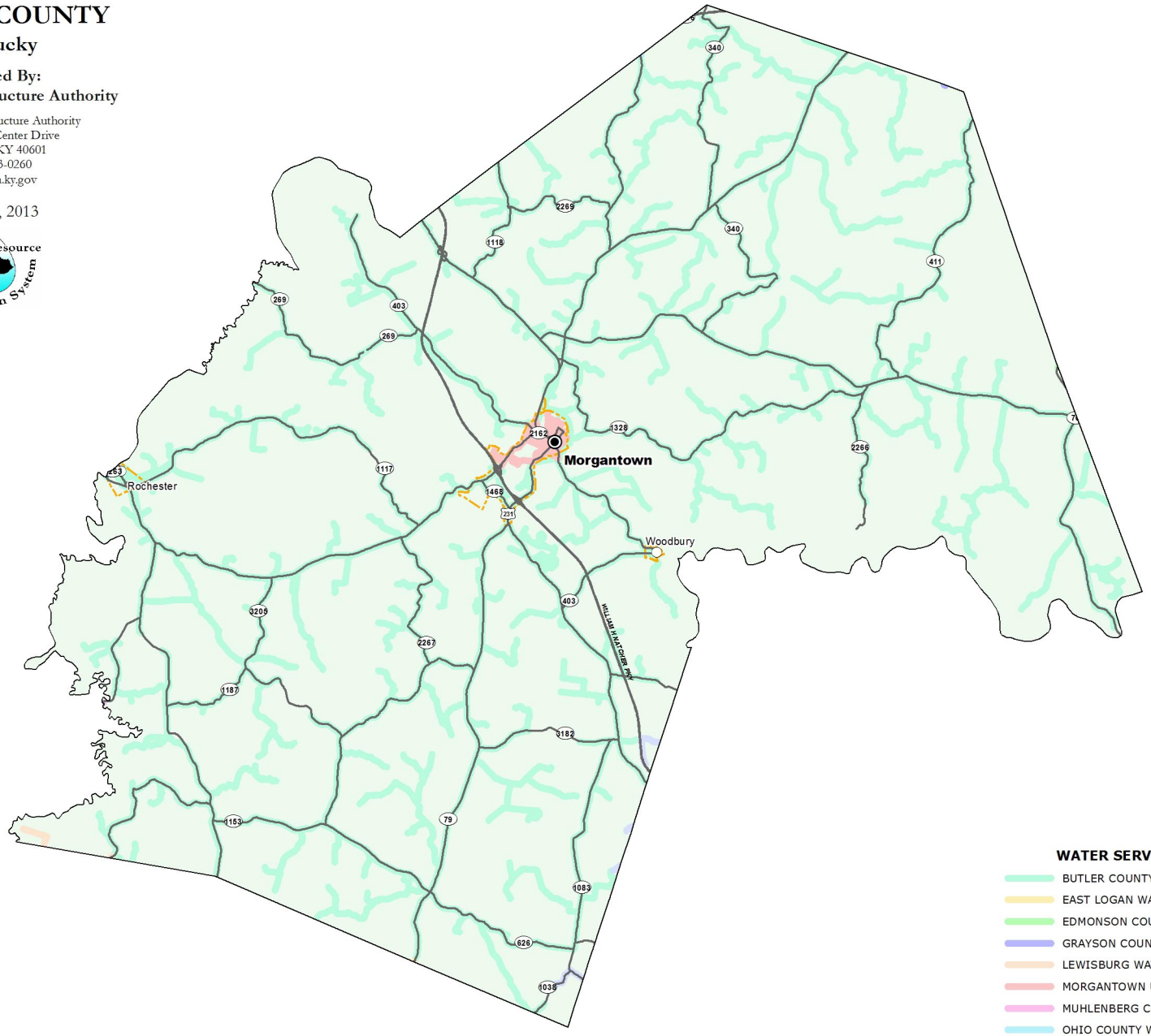
Water Resource Information System



WATER SERVICE BY OWNER

- 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	$26.78 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	4,781
Residential Customers	4,488	Total Produced (MG)	318.700
Commercial Customers	291	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	262.870
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	5	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 505.36 miles (Distribution: 504.25 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 Regional Water Commission	0-2 Years	Not Funded	$3,300,000	Ohio	2	1
WX21031049	Butler County Water Line Extensions	0-2 Years	Not Funded	$134,300	Butler	10	1
WX21031046	BCWS - Pump Station Standby Power System	0-2 Years	Not Funded	$90,000	Butler	30	3
WX21031028	BCWS - Jetson Tank Replacement	3-5 Years	Not Funded	$550,000	Butler	47	5
WX21183023	Ohio Co. Water Distrct/Butler Co. Water District Interconnection	0-2 Years	Not Funded	$400,000	Ohio		10
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		
WX21031026	BCWS - Rochester Tank Replacement	3-5 Years	Not Funded	$500,000	Butler		
WX21031029	BCWS - Hwy 70 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	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$32.64 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	875
Residential Customers	799	Total Produced (MG)	80.000
Commercial Customers	74	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	63.983
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 15.95 miles (Distribution: 15.83 miles, Transmission: 0.11 miles).

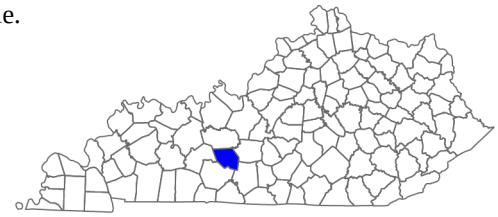
MG = Million Gallons.
MGD = Million Gallons per Day.

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 Regional Water Commission	0-2 Years	Not Funded	$3,300,000	Ohio	2	1
WX21031042	Morgantown - Water Plant Improvements	3-5 Years	Not Funded	$500,000	Butler	20	2

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 429.99 miles of existing water lines.
- 11.00 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: $3,920,343.
- 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 244 serviceable households will be added through the construction of 11.00 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			
City of Brownsville	1	$240,000	-	-	-	-	-
Edmonson County Water District	5	$3,680,343	244	75	11.00	2.00	-
Totals:	**6**	**$3,920,343**	**244**	**75**	**11.00**	**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	349
KY0310114	Edmonson County Water District	Edmonson	11,068	5,927
KY0050929	Glasgow Water Company	Barren	112	42
KY1140487	Warren County Water District	Warren	90	39
		Totals:	11,962	6,357

Kentucky Infrastructure Authority
February 19, 2016

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

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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	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$23.16 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	480
Residential Customers	389	Total Produced (MG)	-
Commercial Customers	86	Total Purchased (MG)	34.152
Institutional Customers	-	Total Inside Usage (MG)	24.168
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	29%

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 Brownsville Municipal Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21061026	City of Brownsville - Brownsville Water Tank Rehabilitation	3-5 Years	Not Funded	$240,000	Edmonson		

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	$26.00 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 18 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	-	Total Connections	10,009
Residential Customers	10,003	Total Produced (MG)	572.033
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	439.312
Industrial Customers	2	Total Wholesale Sold (MG)	34.152
Wholesale Customers	4	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 668.74 miles (Distribution: 668.50 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
WX21061027	Edmonson County Water District - Edmonson and Hart Extensions # 1	3-5 Years	Not Funded	$1,117,215	Edmonson	2	1
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	$1,061,585	Edmonson	19	2
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	$176,000	Edmonson	29	3
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	$977,075	Hart	41	5
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	$348,468	Grayson		

System Summary for Mammoth Cave

PWSID	KY0310940	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Federal Agency	Groundwater Source	No
Employees	16	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$28.66 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	1	Total Produced (MG)	-
Commercial Customers	54	Total Purchased (MG)	11.797
Institutional Customers	-	Total Inside Usage (MG)	8.360
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	29%

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 655.69 miles of existing water lines.
- 11.00 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: $20,172,023.
- 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 41 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 57,747 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			
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	-	106	-	2.00	-
City of Munfordville	1	$132,000	-	500	-	-	-
Edmonson County Water District	3	$3,155,875	10	11	11.00	1.00	-
Green River Valley Water District	4	$11,858,003	-	50,000	-	-	-
Hardin County Water District #2	1	$333,045	11	-	-	-	-
Hart County Fiscal Court	1	$700,000	-	6,807	-	-	-
Totals:	**14**	**$20,172,023**	**41**	**57,747**	**11.00**	**10.00**	**-**

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	444	247
KY0500166	Green River Valley Water District	Hart	9,628	4,278
KY0500476	Horse Cave Water System	Hart	2,285	1,111
KY0500305	Munfordville Water Works	Hart	1,484	757
KY0050490	Cave City Water System	Barren	66	24
KY0310114	Edmonson County Water District	Edmonson	3,325	1,711
KY0470175	Hardin County Water District #2	Hardin	732	318
		Totals:	17,964	8,446

Kentucky Infrastructure Authority
February 19, 2016

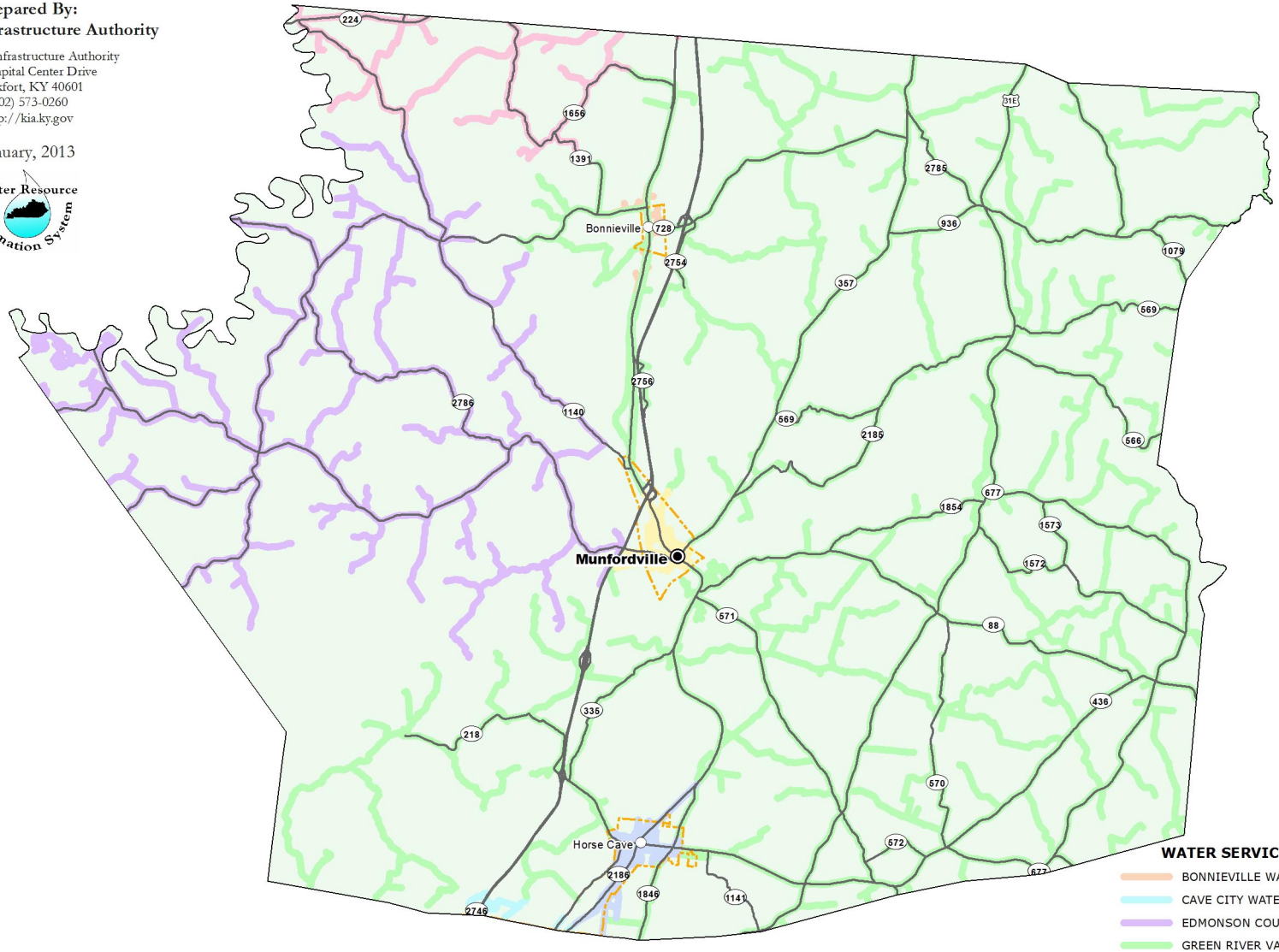
WATER SERVICE AREAS
HART COUNTY
Kentucky

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	$24.87 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	240
Residential Customers	233	Total Produced (MG)	-
Commercial Customers	6	Total Purchased (MG)	14.277
Institutional Customers	-	Total Inside Usage (MG)	12.040
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 8.36 miles (Distribution: 8.36 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
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	$333,045	Hart	9	1
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21099033	Bonnieville Waterline Improvement Project	3-5 Years	Not Funded	$2,040,100	Hart	21	3
WX21099025	Bonnieville - Water Line Improvements	3-5 Years	Not Funded	$805,000	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	23	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	6,807
Residential Customers	6,376	Total Produced (MG)	1,423.323
Commercial Customers	424	Total Purchased (MG)	0.235
Institutional Customers	-	Total Inside Usage (MG)	636.851
Industrial Customers	-	Total Wholesale Sold (MG)	628.346
Wholesale Customers	7	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 724.55 miles (Distribution: 713.20 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
WX21061027	Edmonson County Water District - Edmonson and Hart Extensions # 1	3-5 Years	Not Funded	$1,117,215	Edmonson	2	1
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	$977,075	Hart	41	5
WX21099031	GRVWD - Electronic Meter Read Upgrade	3-5 Years	Not Funded	$3,546,003	Hart		
WX21099028	Green River Valley Water District - 2010 Generators Purchase	0-2 Years	Not Funded	$700,000	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	$33.40 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	912
Residential Customers	777	Total Produced (MG)	-
Commercial Customers	129	Total Purchased (MG)	230.649
Institutional Customers	1	Total Inside Usage (MG)	240.944
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-4%

Total Distribution System Line Length = 34.31 miles (Distribution: 32.78 miles, Transmission: 1.53 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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21099024	Horse Cave - Water Line Improvements	3-5 Years	Not Funded	$950,000	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	$17.00 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	653
Residential Customers	550	Total Produced (MG)	-
Commercial Customers	101	Total Purchased (MG)	93.600
Institutional Customers	-	Total Inside Usage (MG)	47.964
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	49%

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

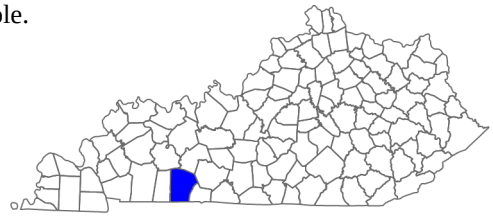
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21099036	City of Munfordville Water System Analysis	0-2 Years	Not Funded	$132,000	Hart		

Logan County

- 2010 census population of 26,835 (12,339 households) with 98% serviceable.
- Projected 2020 population of 27,382 (change of 547).
- Logan County has 850.57 miles of existing water lines.
- 7.00 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: $6,396,502.
- There are no projects planned from 6 to 10 years.



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 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 7.00 miles of water line extensions and approximately 1,181 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	-	12	1.00	1.00	-
City of Lewisburg	1	$220,000	-	1,033	-	-	-
City of Russellville	3	$2,081,502	1	113	6.00	3.00	-
East Logan Water District	1	$3,070,000	-	23	-	1.00	-
Totals:	**8**	**$6,396,502**	**1**	**1,181**	**7.00**	**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	912	441
KY0710012	Auburn Water Department	Logan	1,379	647
KY0710951	East Logan Water District	Logan	7,775	3,191
KY0710247	Lewisburg Water Works	Logan	2,474	1,196
KY0710318	North Logan Water District	Logan	1,396	618
KY0710378	Russellville Municipal Water System	Logan	7,165	3,446
KY0710707	South Logan Water Association	Logan	4,100	1,806
KY0890302	Muhlenberg County Water District #1	Muhlenberg	157	68
KY1070398	Simpson County Water District	Simpson	94	36
KY1100944	Todd County Water District	Todd	741	590
KY1140487	Warren County Water District	Warren	242	98
		Totals:	26,435	12,137

Kentucky Infrastructure Authority
February 19, 2016

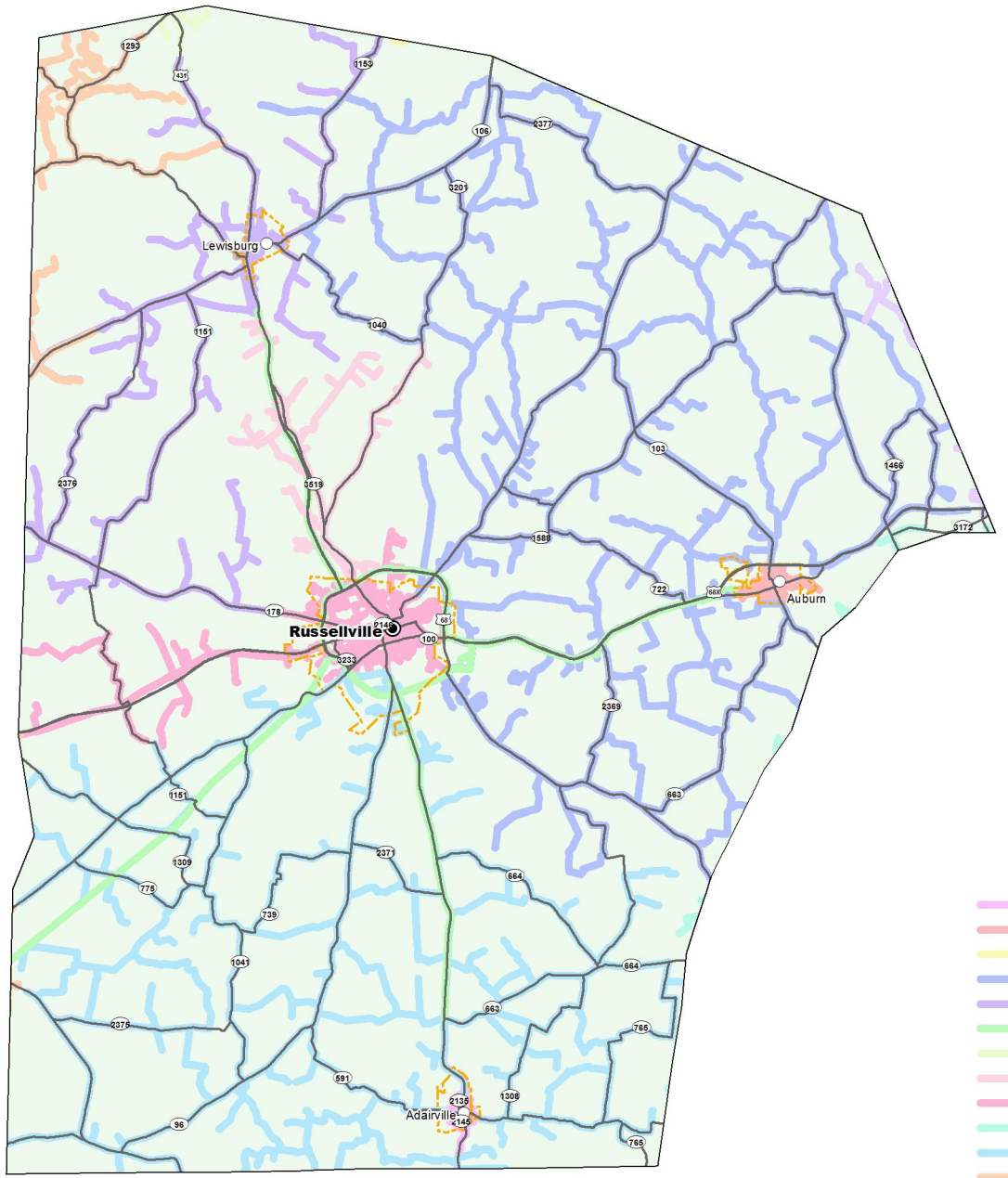
WATER SERVICE AREAS
LOGAN COUNTY
Kentucky

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	4	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	379
Residential Customers	349	Total Produced (MG)	-
Commercial Customers	29	Total Purchased (MG)	24.172
Institutional Customers	-	Total Inside Usage (MG)	22.823
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 11.70 miles (Distribution: 11.70 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
WX21141003	Adairville - 200,000 Gallon Water Tank Construction	0-2 Years	Not Funded	$525,000	Logan		
WX21141002	Adairville - Water Distribution Line to Industrial Park	3-5 Years	Not Funded	$475,000	Logan		
WX21141001	Adairville - Water Line Ext to F. Hills Subdivision	0-2 Years	Not Funded	$25,000	Logan		

Logan County (continued)

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	2	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	684
Residential Customers	633	Total Produced (MG)	-
Commercial Customers	47	Total Purchased (MG)	42.192
Institutional Customers	-	Total Inside Usage (MG)	38.342
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 15.05 miles (Distribution: 14.97 miles, Transmission: 0.08 miles).

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

There are no immediate projects for Auburn Water Department

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	2,960
Residential Customers	2,928	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	186.352
Institutional Customers	-	Total Inside Usage (MG)	155.633
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 280.28 miles (Distribution: 274.34 miles, Transmission: 5.94 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	15	2

Logan County (continued)

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	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$31.47 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$46.32 per 4,000 gallons.	Total Connections	1,024
Residential Customers	993	Total Produced (MG)	-
Commercial Customers	38	Total Purchased (MG)	57.829
Institutional Customers	-	Total Inside Usage (MG)	68.479
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-18%

Total Distribution System Line Length = 91.69 miles (Distribution: 91.69 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
WX21141020	City of Lewisburg - Radio Read Meter Purchase	0-2 Years	Not Funded	$220,000	Logan	5	1

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	1	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	559
Residential Customers	546	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	54.584
Institutional Customers	-	Total Inside Usage (MG)	56.036
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-3%

Total Distribution System Line Length = 35.39 miles (Distribution: 35.39 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
WX21141046	City of Russellville - Newtown 6 Inch Waterline Extension	0-2 Years	Not Funded	$500,000	Logan	24	3
WX21141027	Russellville Water Project #4	3-5 Years	Not Funded	$647,672	Logan	43	5
WX21141025	Russellville Water Project 2	0-2 Years	Not Funded	$933,830	Logan		

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	99	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	3,221
Residential Customers	2,586	Total Produced (MG)	-
Commercial Customers	498	Total Purchased (MG)	296.281
Institutional Customers	127	Total Inside Usage (MG)	166.640
Industrial Customers	10	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	44%

Total Distribution System Line Length = 100.55 miles (Distribution: 100.55 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
WX21141025	Russellville Water Project 2	0-2 Years	Not Funded	$933,830	Logan		

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	1,652
Residential Customers	1,598	Total Produced (MG)	-
Commercial Customers	54	Total Purchased (MG)	156.468
Institutional Customers	-	Total Inside Usage (MG)	114.993
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	27%

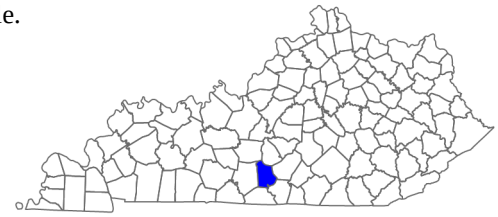
Total Distribution System Line Length = 221.87 miles (Distribution: 221.87 miles, Transmission: 0.00 miles).

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

There are no immediate projects for South Logan Water Association

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 436.21 miles of existing water lines.
- 3.00 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: $2,817,796.
- 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 25 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 17 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 Edmonton	9	$3,308,796	24	17	3.00	2.00	-
Cumberland County Water District	1	$1,509,000	1	-	-	-	-
Totals:	**10**	**$4,817,796**	**25**	**17**	**3.00**	**2.00**	**-**

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	7,154	3,299
KY0290271	Cumberland County Water District	Cumberland	82	36
KY0440167	Green-Taylor Water District	Green	472	247
KY0500166	Green River Valley Water District	Hart	2,022	920
KY0860150	Monroe County Water District	Monroe	59	25
		Totals:	9,789	4,527

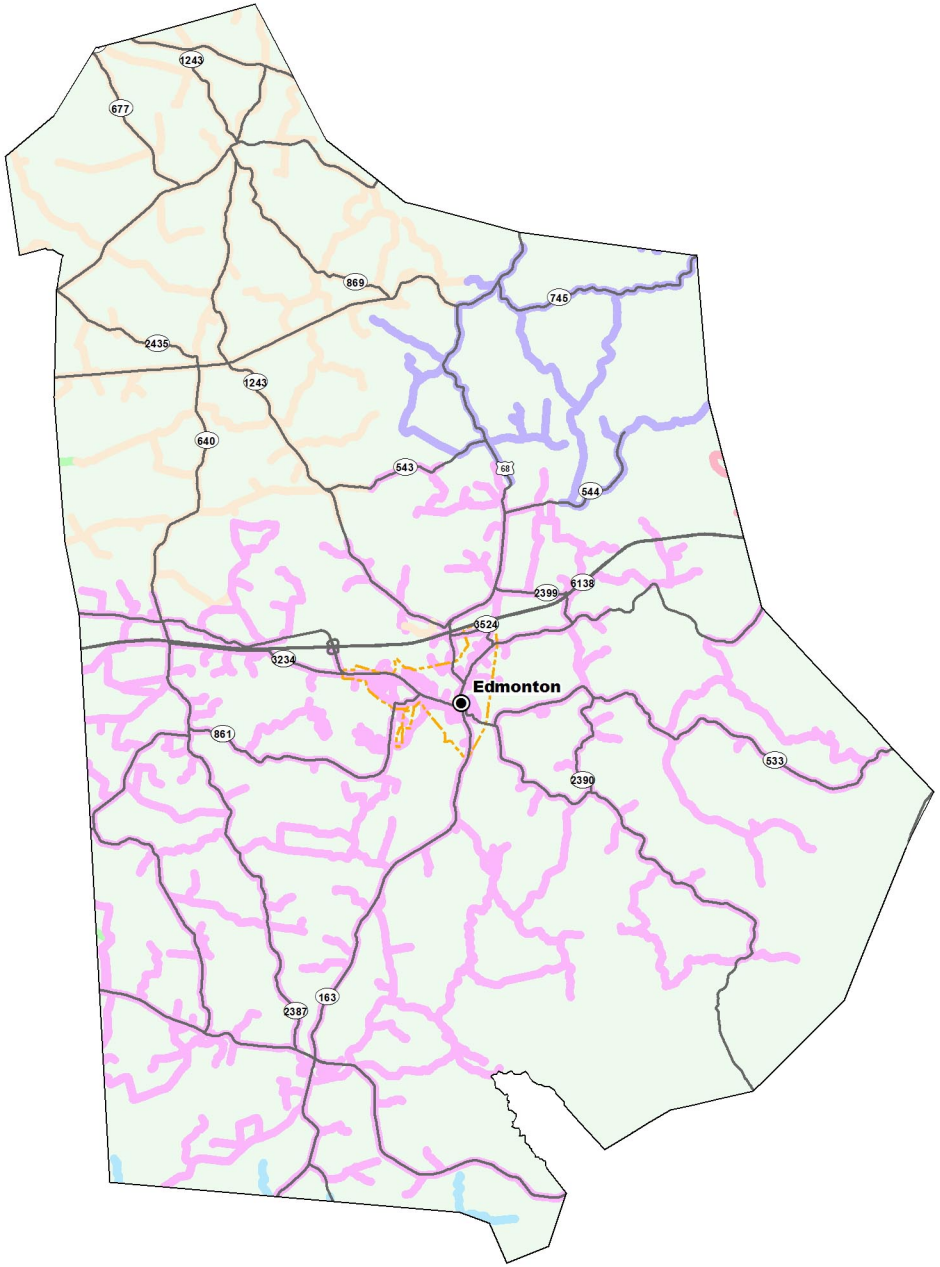
Kentucky Infrastructure Authority
February 19, 2016

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	13	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	3,090
Residential Customers	2,842	Total Produced (MG)	-
Commercial Customers	241	Total Purchased (MG)	248.732
Institutional Customers	-	Total Inside Usage (MG)	158.416
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	36%

Total Distribution System Line Length = 286.49 miles (Distribution: 286.49 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
WX21169032	Edmonton - Water Storage Tank Renovations/SCADA System - Phase II	3-5 Years	Not Funded	$800,000	Metcalfe	6	1
WX21169025	Edmonton - Joe Fields and Lone Star Line Replacement	3-5 Years	Not Funded	$150,000	Metcalfe	16	2
WX21169030	Roy Grider Road Water Main Connection	3-5 Years	Not Funded	$97,971	Metcalfe	25	3
WX21169034	Martin Cemetery Road Water Main	3-5 Years	Not Funded	$55,370	Metcalfe	36	4
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	$2,000,000	Metcalfe	46	5
WX21169035	Peckerwood Road Water Main Connection	3-5 Years	Not Funded	$89,835	Metcalfe		
WX21169033	Highway 90 East Water Main Extension	3-5 Years	Not Funded	$61,020	Metcalfe		
WX21169022	Edmonton - A. Smith Rd Extension	3-5 Years	Not Funded	$32,000	Metcalfe		
WX21169036	Phase 1 Water Main Connection to Monroe County Water District	3-5 Years	Not Funded	$22,600	Metcalfe		

Monroe County

- 2010 census population of 10,963 (5,204 households) with 98% serviceable.
- Projected 2020 population of 10,405 (change of -558).
- Monroe County has 527.00 miles of existing water lines.
- 12.00 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: $5,894,000.
- 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 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 368 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 10,016 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 Tompkinsville	3	$4,150,000	-	253	-	3.00	-
Fountain Run Water District #1	6	$769,000	8	2,432	-	2.00	-
Monroe County Water District	5	$2,095,200	360	7,331	12.00	16.00	-
Totals:	**14**	**$7,014,200**	**368**	**10,016**	**12.00**	**21.00**	**-**

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	518	295
KY0860150	Monroe County Water District	Monroe	7,784	3,596
KY0860426	Tompkinsville Water Works	Monroe	2,404	1,204
		Totals:	10,706	5,095

Kentucky Infrastructure Authority
February 19, 2016

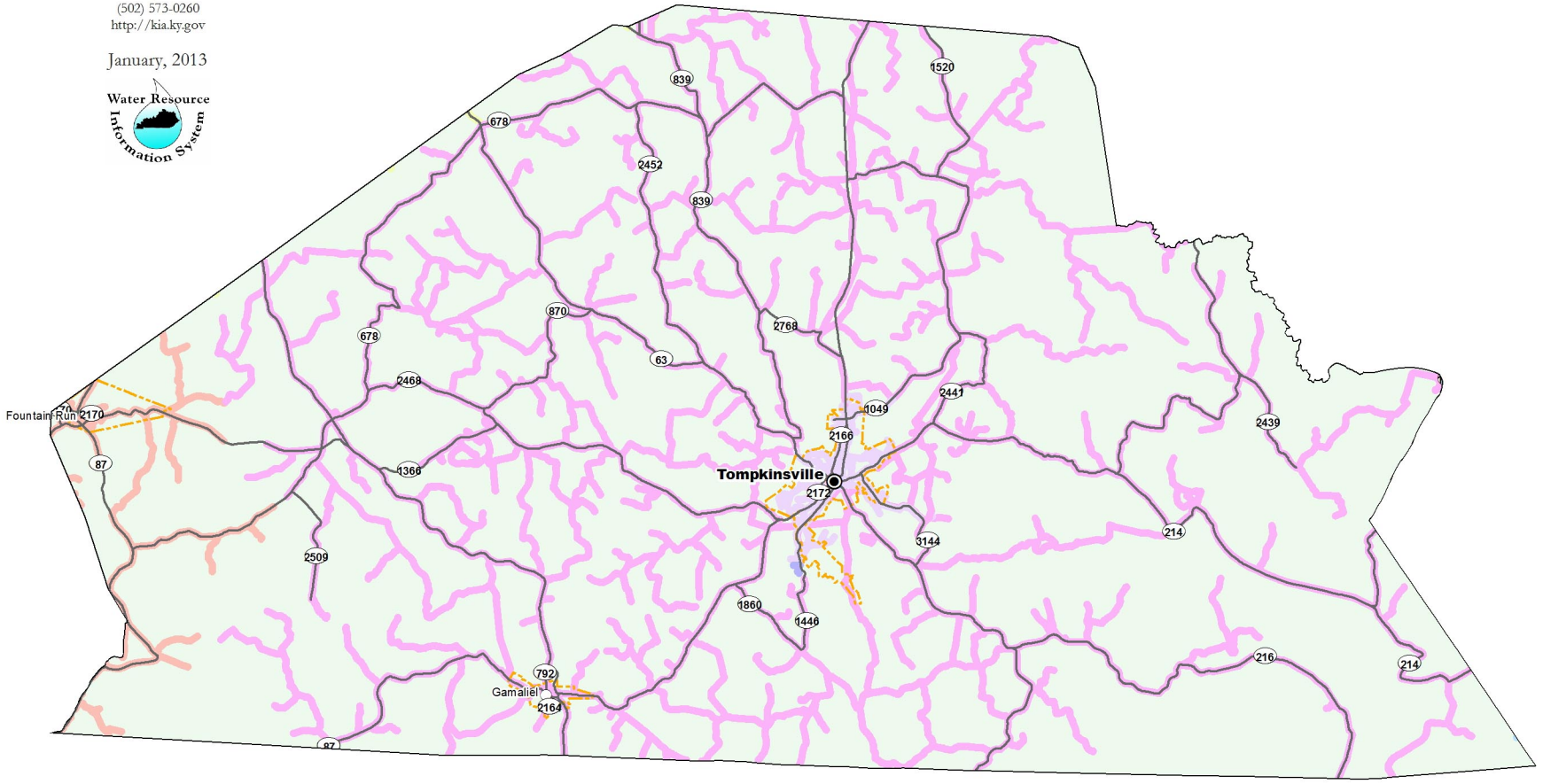
WATER SERVICE AREAS
MONROE COUNTY
Kentucky

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	523
Residential Customers	454	Total Produced (MG)	-
Commercial Customers	69	Total Purchased (MG)	43.309
Institutional Customers	-	Total Inside Usage (MG)	42.110
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%

Total Distribution System Line Length = 58.84 miles (Distribution: 57.55 miles, Transmission: 1.29 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
WX21171037	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	3-5 Years	Not Funded	$123,000	Monroe	23	3
WX21171046	New Water Line - KY 87 (South) - Long Hollow Road to Tennessee L	3-5 Years	Not Funded	$151,000	Monroe	42	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		
WX21171031	Fountain Run Water District #1 Improvements - Purchase of GPS Mapping System	6-10 Years	Not Funded	$50,000	Monroe		
WX21171043	Fountain Run Water District #1 - Fire Hydrant Replacement	6-10 Years	Not Funded	$41,000	Monroe		

System Summary for Monroe County Water District

PWSID	KY0860150	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	$32.55 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	3,437
Residential Customers	3,235	Total Produced (MG)	-
Commercial Customers	200	Total Purchased (MG)	268.000
Institutional Customers	-	Total Inside Usage (MG)	232.331
Industrial Customers	-	Total Wholesale Sold (MG)	0.840
Wholesale Customers	2	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 477.74 miles (Distribution: 466.14 miles, Transmission: 11.61 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
WX21171029	Monroe County Water District Improvements - GPS Mapping System	3-5 Years	Not Funded	$150,000	Monroe	34	4
WX21171011	Monroe County Water Improvement - Water Line Upgrades	6-10 Years	Partially Funded	$625,200	Monroe		
WX21171039	Monroe County Water District Improvements - Water Storage Tanks	3-5 Years	Not Funded	$200,000	Monroe		
WX21171024	Monroe County Water District Improvements - Old Mulkey Pump Station	3-5 Years	Not Funded	$40,000	Monroe		
WX21169036	Phase 1 Water Main Connection to Monroe County Water District	3-5 Years	Not Funded	$22,600	Metcalfe		

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	7	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$19.95 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$19.95 per 4,000 gallons.	Total Connections	1,144
Residential Customers	891	Total Produced (MG)	535.455
Commercial Customers	202	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	205.001
Industrial Customers	48	Total Wholesale Sold (MG)	268.000
Wholesale Customers	1	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 33.52 miles (Distribution: 31.51 miles, Transmission: 2.01 miles).

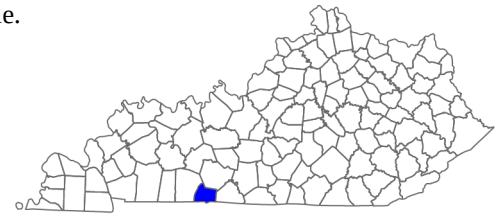
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21171013	Tompkinsville Downtown Water Line Replacement	3-5 Years	Not Funded	$500,000	Monroe	13	2
WX21171015	Tompkinsville Water Treatment Plant Improvement - Basin, Clearwell, Chemical Feed	3-5 Years	Not Funded	$3,500,000	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 468.24 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.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,802,975.
- 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 25 serviceable households will be added through the construction of 41.00 miles of water line extensions and approximately 2,230 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			
City of Franklin	5	$2,387,975	-	611	-	4.00	-
Simpson County Fiscal Court	1	$618,000	3	-	3.00	-	-
Simpson County Water District	11	$6,356,000	22	1,619	38.00	4.00	-
Totals:	**17**	**$9,361,975**	**25**	**2,230**	**41.00**	**8.00**	**-**

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	10,457	4,592
KY1070398	Simpson County Water District	Simpson	6,218	2,580
		Totals:	16,675	7,172

Kentucky Infrastructure Authority
February 19, 2016

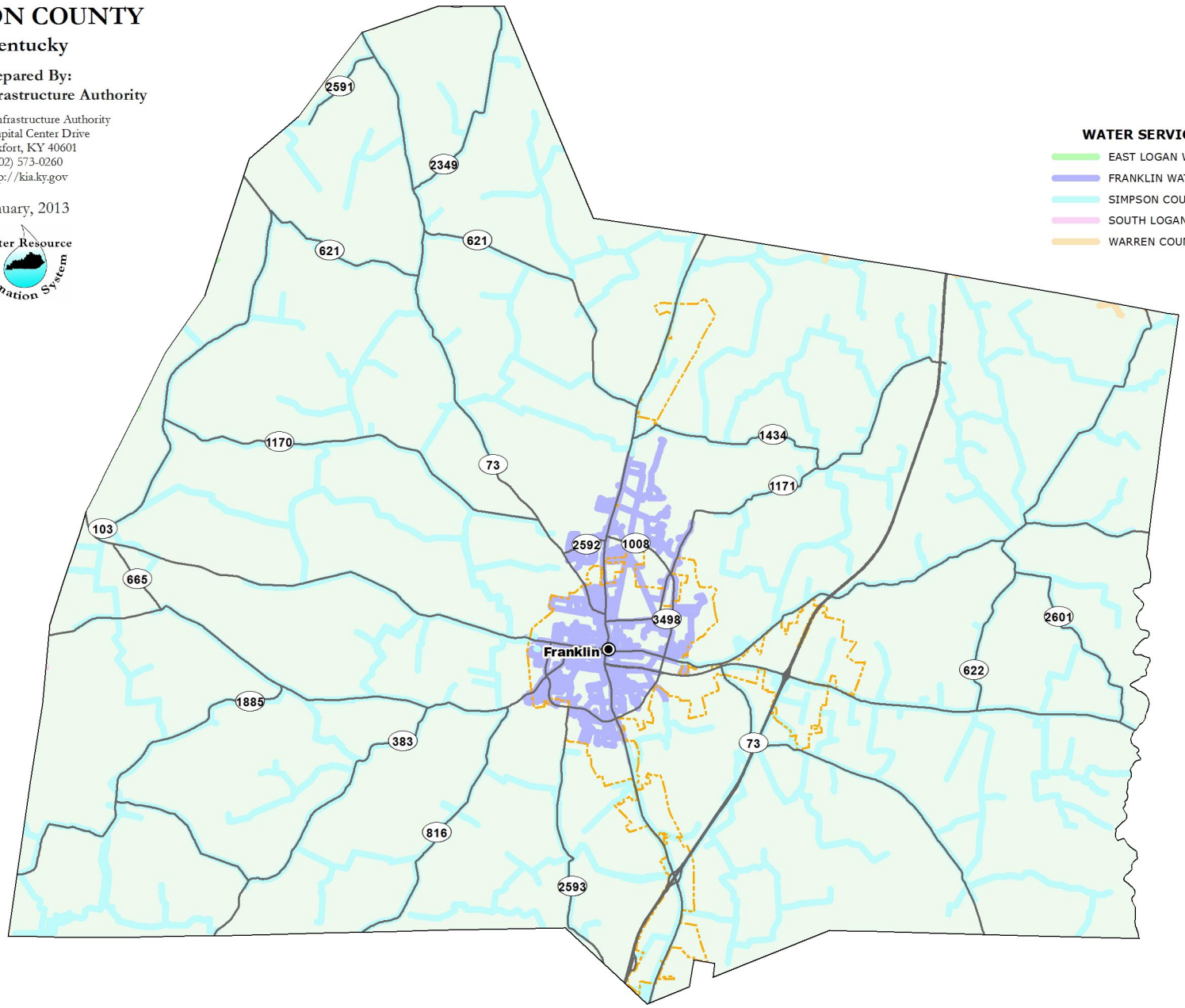
WATER SERVICE AREAS
SIMPSON COUNTY
Kentucky

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	11	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$24.64 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$36.92 per 4,000 gallons.	Total Connections	4,257
Residential Customers	3,772	Total Produced (MG)	550.000
Commercial Customers	484	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	472.232
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	14%

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
WX21213028	City of Franklin - West Cedar St. Water Line	0-2 Years	Not Funded	$495,975	Simpson	4	1
WX21213027	City of Franklin - W. Madison St. Water Line Project	3-5 Years	Not Funded	$471,000	Simpson	18	3
WX21213029	City of Franklin - Morgantown Rd Water Line	3-5 Years	Not Funded	$336,000	Simpson	26	5
WX21213004	City of Franklin - 2-Inch Galvanized Lines Replacement Project	3-5 Years	Not Funded	$600,000	Simpson		
WX21213033	City of Franklin - Williamsburg Park Pressure Zone	0-2 Years	Not Funded	$485,000	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	$26.91 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	3,379
Residential Customers	3,040	Total Produced (MG)	-
Commercial Customers	338	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	307.678
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	

Total Distribution System Line Length = 400.91 miles (Distribution: 336.00 miles, Transmission: 64.90 miles).

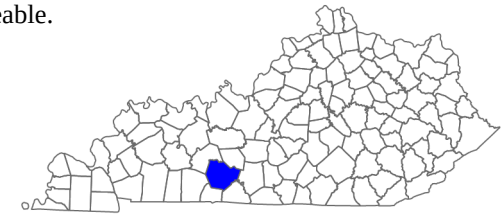
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21213034	SCWD- Macedonia Road Fire Protection	3-5 Years	Not Funded	$120,000	Simpson	31	2
WX21213042	SCWD - Rural Fire Protection Project A	3-5 Years	Not Funded	$803,000	Simpson	44	4
WX21213017	SCWD - Neosheo Tank	6-10 Years	Not Funded	$1,100,000	Simpson		
WX21213023	SCWD - Northeast Transmission Upgrade	0-2 Years	Not Funded	$900,000	Simpson		
WX21213043	SCWD - Rural Fire Protection Project B	0-2 Years	Not Funded	$826,000	Simpson		
WX21213022	SCWD - Hwy 31W South Transmission Upgrade	3-5 Years	Not Funded	$795,000	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		

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 1,276.69 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: $26,472,500.
- 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 12.00 miles of water line extensions and approximately 17,900 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	13	$22,635,000	-	-	-	-	-
City of Bowling Green	2	$1,729,500	-	5,900	-	-	-
Warren County Water District	13	$9,372,000	51	12,000	12.00	-	3.00
Totals:	**28**	**$33,736,500**	**51**	**17,900**	**12.00**	**-**	**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	46,878	19,759
KY1140487	Warren County Water District	Warren	60,736	24,803
KY0310114	Edmonson County Water District	Edmonson	302	124
KY1070398	Simpson County Water District	Simpson	84	35
		Totals:	108,000	44,721

Kentucky Infrastructure Authority
February 19, 2016

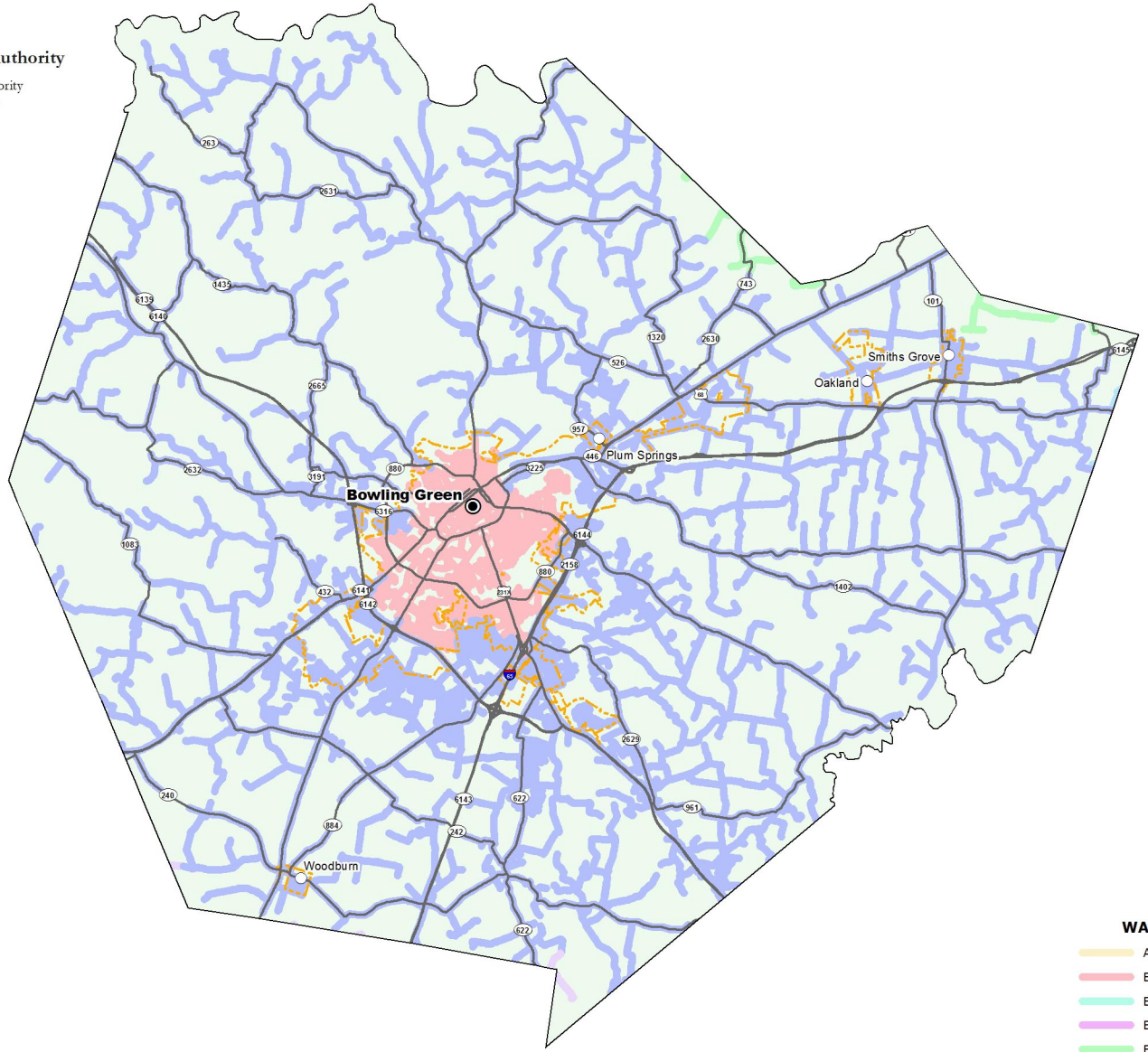
WATER SERVICE AREAS
WARREN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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	31	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$16.78 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 10.000 MG.
Outside Mun. Cost	$23.51 per 4,000 gallons.	Total Connections	19,075
Residential Customers	14,744	Total Produced (MG)	5,647.200
Commercial Customers	3,000	Total Purchased (MG)	-
Institutional Customers	10	Total Inside Usage (MG)	2,037.009
Industrial Customers	300	Total Wholesale Sold (MG)	2,587.400
Wholesale Customers	1	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 174.03 miles (Distribution: 173.94 miles, Transmission: 0.09 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
WX21227050	BGMU - Alternative Water Study	3-5 Years	Partially Funded	$400,000	Warren	27	3
WX21227066	BGMU - South Park Pump Station Emergency Generator	0-2 Years	Not Funded	$125,000	Warren	48	5
WX21227044	BGMU - New Southcentral 2.0 Million Gallon Tank (Highland Tank)	3-5 Years	Not Funded	$12,000,000	Warren		
WX21227086	Property Acquisitions and Facility Modifications Project	0-2 Years	Not Funded	$4,000,000	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		
WX21227075	BGMU - Water Treatment Plant - Low Service No. 5 Pump Replacement	3-5 Years	Not Funded	$588,500	Warren		
WX21227072	BGMU - Painting Two Elevated Water Tanks	0-2 Years	Not Funded	$500,000	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		
WX21227045	BGMU - Install Check Valve System In 3 Tanks	0-2 Years	Not Funded	$225,000	Warren		
WX21227068	BGMU - Red, White and Blue Pump Station Emergency Generator	0-2 Years	Not Funded	$145,000	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	48	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$16.70 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$17.98 per 4,000 gallons.	Storage Capacity	Yes, 28 tanks with total capacity of 11.000 MG.
Outside Mun. Cost	-	Total Connections	26,618
Residential Customers	24,735	Total Produced (MG)	-
Commercial Customers	1,880	Total Purchased (MG)	2,587.400
Institutional Customers	-	Total Inside Usage (MG)	2,412.465
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	3	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 1,108.17 miles (Distribution: 1,094.02 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
WX21227053	WCWD - Morgantown Road Area Improvements	0-2 Years	Not Funded	$1,114,000	Warren	11	2
WX21227028	WCWD - Greenwood Pump Station #2	3-5 Years	Not Funded	$275,000	Warren	37	4
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		
WX21227060	WCWD - Kelly Vance Pump Station Upgrade	6-10 Years	Not Funded	$835,000	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 94% serviceable.
- Projected 2020 population of 148,051 (change of -6,042).
- 2,467.11 miles of existing water lines.
- 57.00 miles of line extensions proposed in the next 10 years.
- 35.00 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: $38,928,327.
- Estimated funding needs for projects from 6 to 10 years: $1,510,000.
- Average age of structures: water treatment plants is 34 years; water tanks is 23 years.
- Total number of interconnected systems is 13.
- 58 miles of asbestos concrete pipe currently in use.
- 1,637 miles of water lines less than 15 years old.
- 833 miles of water lines between 15 and 30 years old.
- 34 miles of water lines between 31 and 50 years old.
- 3 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 94 percent of the district's households based on 2010 census counts. Over the next ten years approximately 277 serviceable households will be added through the construction of 57.00 miles of water line extensions and approximately 73,661 instances of improved service through the rehabilitation of 35.00 miles of existing water lines and other appurtenances.

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	17,465	96%	$ 15,147,068
Johnson	23,356	10,624	23,265	9,647	10,145	96%	$ 133,322
Magoffin	13,333	5,950	13,587	5,696	5,683	96%	$ 4,691,593
Martin	12,929	5,164	12,055	4,410	5,014	97%	$ 5,843,350
Pike	65,024	30,304	61,991	26,357	27,576	91%	$ 14,622,994
Totals	**154,093**	**70,217**	**148,051**	**61,704**	**65,883**	**94%**	**$ 40,438,327**

Kentucky Infrastructure Authority
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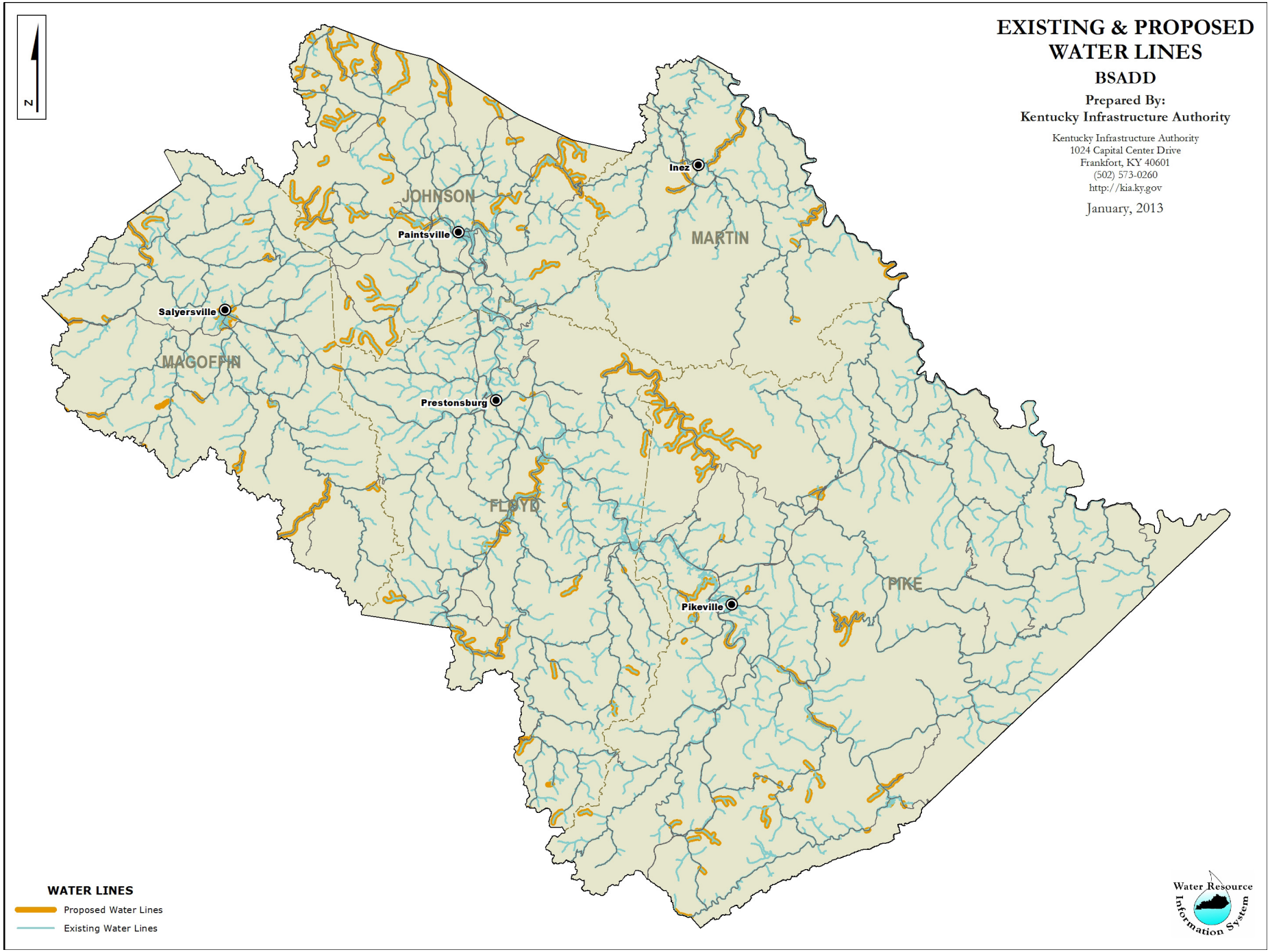


EXISTING & PROPOSED WATER LINES

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	657	379
KY0360358	Prestonsburg City's Utilities Commission	Floyd	18,073	8,226
KY0360026	Southern Water & Sewer District	Floyd	19,791	9,112
KY0360463	Wheelwright Utilities Commission	Floyd	953	397
KY0580340	Paintsville Utilities Commission	Johnson	21,809	9,942
KY0770525	Magoffin County Water District	Magoffin	10,638	4,751
KY0770566	Salyersville Water Works	Magoffin	2,256	1,006
KY0800273	Martin County Water District	Martin	11,698	5,034
KY0980350	City of Pikeville	Pike	9,105	4,162
KY0980120	Elkhorn City Water Department	Pike	1,429	715
KY0980575	Mountain Water District	Pike	48,163	22,481
		Totals:	144,572	66,205

Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21195024	City of Pikeville By-pass Waterline Extension	0-2 Years	Not Funded	$225,000	Pike	1	4
WX21159007	Water Treatment Plant Clarifier Rehab	0-2 Years	Not Funded	$1,011,600	Martin	2	2
WX21195027	Water Loss Prevention Program Phase I – Contract #1	0-2 Years	Not Funded	$1,500,000	Pike	3	1
WX21195028	Water Loss Prevention Program Phase I – Contract #2	0-2 Years	Not Funded	$1,500,000	Pike	4	2
WX21195030	Interconnect with MWD	0-2 Years	Not Funded	$315,000	Pike	5	9
WX21195009	City of Elkhorn City - Water Improvements - Radio Read Meters	0-2 Years	Not Funded	$605,000	Pike	6	5
WX21071008	Southern Water - Mink Branch Tank Replacement	0-2 Years	Not Funded	$550,000	Floyd	7	1
WX21195010	Steel Bridge Water Line Replacement	0-2 Years	Not Funded	$270,000	Pike	8	3
WX21159009	Water Intake Upgrades	0-2 Years	Not Funded	$2,223,420	Martin	9	3
WX21153013	Salyersville Church Street Storage Tank	0-2 Years	Not Funded	$700,982	Magoffin	10	1
WX21159006	Martin County Rehab Aging Infrastructure/Radio Reads	0-2 Years	Not Funded	$3,599,900	Martin	11	1
WX21115015	Miscellaneous Water Line Extensions - Phase 3	0-2 Years	Not Funded	$118,322	Johnson	12	1
WX21195021	Greasy Creek Booster Pump Station	0-2 Years	Not Funded	$500,000	Pike	13	7
WX21153012	Salyersville Water Aging Water Main Phase III	0-2 Years	Not Funded	$1,600,000	Magoffin	14	4
WX21071730	SWSD - Lackey to Wayland Water Line Replacement	3-5 Years	Not Funded	$1,350,000	Floyd	15	2
WX21115018	Hydrology Model for System	0-2 Years	Not Funded	$15,000	Johnson	16	2
WX21153023	Magoffin County Water District - Radio Telemetry System	0-2 Years	Not Funded	$644,000	Magoffin	17	5
WX21153019	Magoffin Industrial Park	0-2 Years	Not Funded	$431,300	Magoffin	18	2
WX21195029	Radio Read Meter Replacement Project - Phase I	0-2 Years	Not Funded	$1,100,000	Pike	19	6
WX21153029	Magoffin - KY 542/Sandbottom Water Line Extension	3-5 Years	Not Funded	$1,097,811	Magoffin	20	3
WX21195740	MWD-Various Waterline Extensions	3-5 Years	Not Funded	$675,000	Pike	21	10
WX21195007	City of Elkhorn City John Moore's Branch Water Line Extension	0-2 Years	Not Funded	$2,750,000	Pike	22	8
WX21115019	Route 172 Waterline Upgrade	3-5 Years	Unknown	$0	Johnson	23	3
			Total Cost:	**$22,782,335**			

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 607.55 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 17.00 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: $15,147,068.
- 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 75 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 7,713 instances of improved service through the rehabilitation of 17.00 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 Prestonsburg	1	$3,624,000	-	6,923	-	1.00	-
Floyd County Fiscal Court	1	$355,900	-	-	-	-	-
Knott County Water & Sewer District	1	$4,084,500	-	-	1.00	-	-
Southern Water & Sewer District	5	$5,210,109	75	435	15.00	16.00	-
Wheelwright Utilities Commission	1	$1,872,559	-	355	-	-	-
Totals:	**9**	**$15,147,068**	**75**	**7,713**	**16.00**	**17.00**	**-**

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	657	379
KY0360358	Prestonsburg City's Utilities Commission	Floyd	16,854	7,705
KY0360026	Southern Water & Sewer District	Floyd	18,742	8,644
KY0360463	Wheelwright Utilities Commission	Floyd	953	397
KY0580340	Paintsville Utilities Commission	Johnson	46	20
KY0770525	Magoffin County Water District	Magoffin	166	69
KY0980575	Mountain Water District	Pike	46	19
		Totals:	37,464	17,233

Kentucky Infrastructure Authority
February 19, 2016

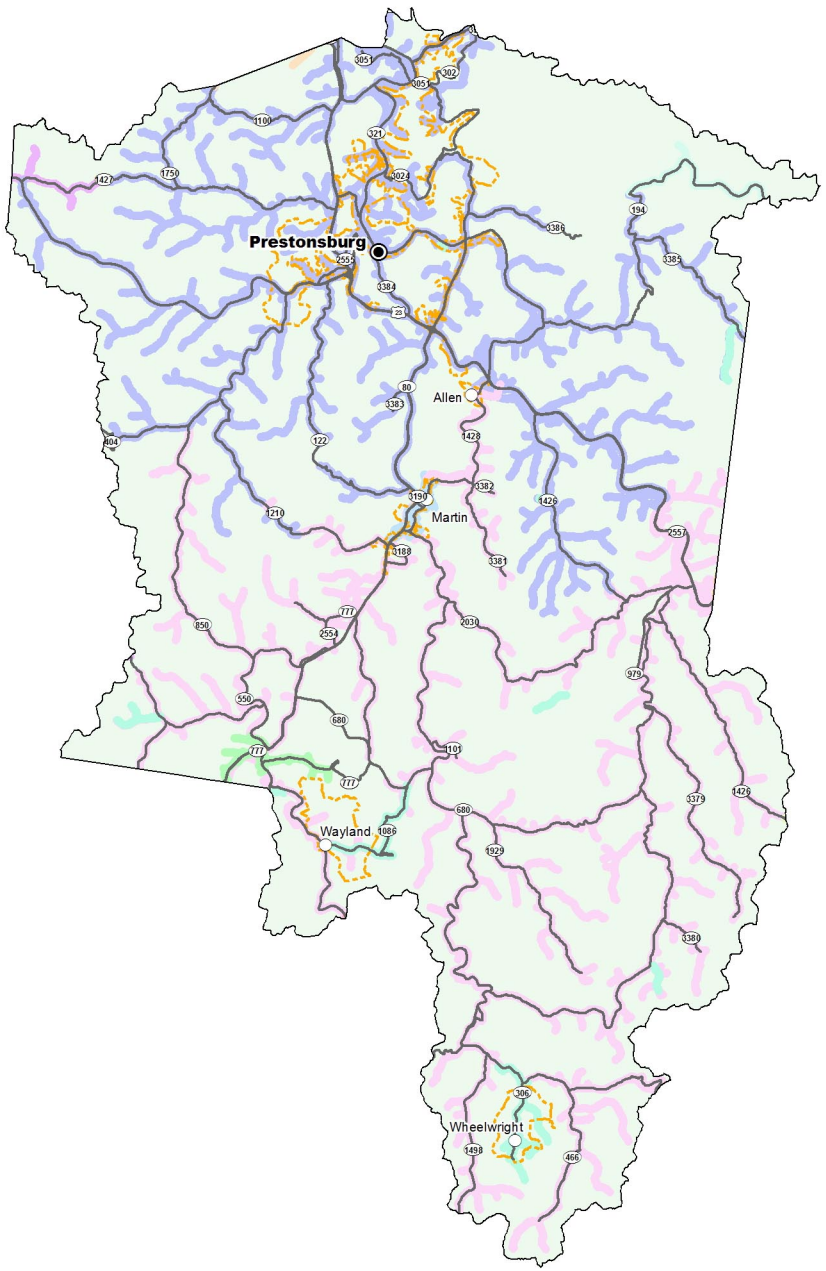
WATER SERVICE AREAS
FLOYD COUNTY
Kentucky

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	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$47.52 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	330
Residential Customers	274	Total Produced (MG)	-
Commercial Customers	56	Total Purchased (MG)	40.000
Institutional Customers	-	Total Inside Usage (MG)	18.228
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	54%
Total Distribution System Line Length = 9.46 miles (Distribution: 9.46 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Martin Water Works

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	19	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$24.28 per 4,000 gallons.	Storage Capacity	Yes, 26 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$31.27 per 4,000 gallons.	Total Connections	7,768
Residential Customers	6,923	Total Produced (MG)	973.000
Commercial Customers	869	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	770.000
Industrial Customers	-	Total Wholesale Sold (MG)	100.000
Wholesale Customers	4	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 310.14 miles (Distribution: 310.10 miles, Transmission: 0.04 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Prestonsburg City's Utilities Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21071223	PCUC-Modifications to Existing Water Treatment Plant	0-2 Years	Not Funded	$3,624,000	Floyd		

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	25	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$41.40 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 37 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	7,080
Residential Customers	6,998	Total Produced (MG)	612.000
Commercial Customers	81	Total Purchased (MG)	240.000
Institutional Customers	-	Total Inside Usage (MG)	575.000
Industrial Customers	-	Total Wholesale Sold (MG)	72.000
Wholesale Customers	1	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 305.59 miles (Distribution: 305.59 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
WX21071008	Southern Water - Mink Branch Tank Replacement	0-2 Years	Not Funded	$550,000	Floyd	7	1
WX21071730	SWSD - Lackey to Wayland Water Line Replacement	3-5 Years	Not Funded	$1,350,000	Floyd	15	2
WX21071731	Southern Water & Sewer District – Water Meter Change Out Program	3-5 Years	Not Funded	$1,329,400	Floyd		
WX21071006	Southern Water and Sewer District Various Line Extensions	3-5 Years	Not Funded	$1,223,050	Floyd		
WX21071007	Southern Water - Water Treatment Plant Improvements	0-2 Years	Not Funded	$757,659	Floyd		
WX21071002	Knott County Water & Sewer District (KCWSD) and Southern Water & Sewer District (SWSD) Interconnect Project	0-2 Years	Not Funded	$355,900	Floyd		

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	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
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	355
Residential Customers	343	Total Produced (MG)	65.000
Commercial Customers	12	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	49.800
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%

Total Distribution System Line Length = 8.32 miles (Distribution: 8.23 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	$1,872,559	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 405.26 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: $133,322.
- 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 and approximately 8,349 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			
Paintsville Utility Commission	2	$133,322	75	8,349	4.00	-	-
Totals:	**2**	**$133,322**	**75**	**8,349**	**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	21,096	9,616
KY0100944	Big Sandy Water District	Boyd	43	19
KY0360358	Prestonsburg City's Utilities Commission	Floyd	1,099	471
KY0800273	Martin County Water District	Martin	49	22
KY0880594	Morgan County Water District	Morgan	27	12
		Totals:	22,314	10,140

Kentucky Infrastructure Authority
February 19, 2016

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

January, 2013

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, 2 plants with total capacity of 7.000 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	38	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$23.25 per 4,000 gallons.	Storage Capacity	Yes, 15 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$31.60 per 4,000 gallons.	Total Connections	9,093
Residential Customers	8,349	Total Produced (MG)	1,030.000
Commercial Customers	743	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	971.510
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 407.79 miles (Distribution: 407.13 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	12	1
WX21115018	Hydrology Model for System	0-2 Years	Not Funded	$15,000	Johnson	16	2

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 351.27 miles of existing water lines.
- 15.00 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: $4,691,593.
- 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 27 serviceable households will be added through the construction of 15.00 miles of water line extensions and approximately 5,159 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 Salyersville	1	$700,982	-	862	-	-	-
Magoffin County Water District	4	$2,390,611	27	3,435	12.00	-	-
Salyersville Water Works	1	$1,600,000	-	862	3.00	-	-
Totals:	**6**	**$4,691,593**	**27**	**5,159**	**15.00**	**-**	**-**

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	10,449	4,672
KY0770566	Salyersville Water Works	Magoffin	2,253	1,004
		Totals:	12,702	5,676

Kentucky Infrastructure Authority
February 19, 2016

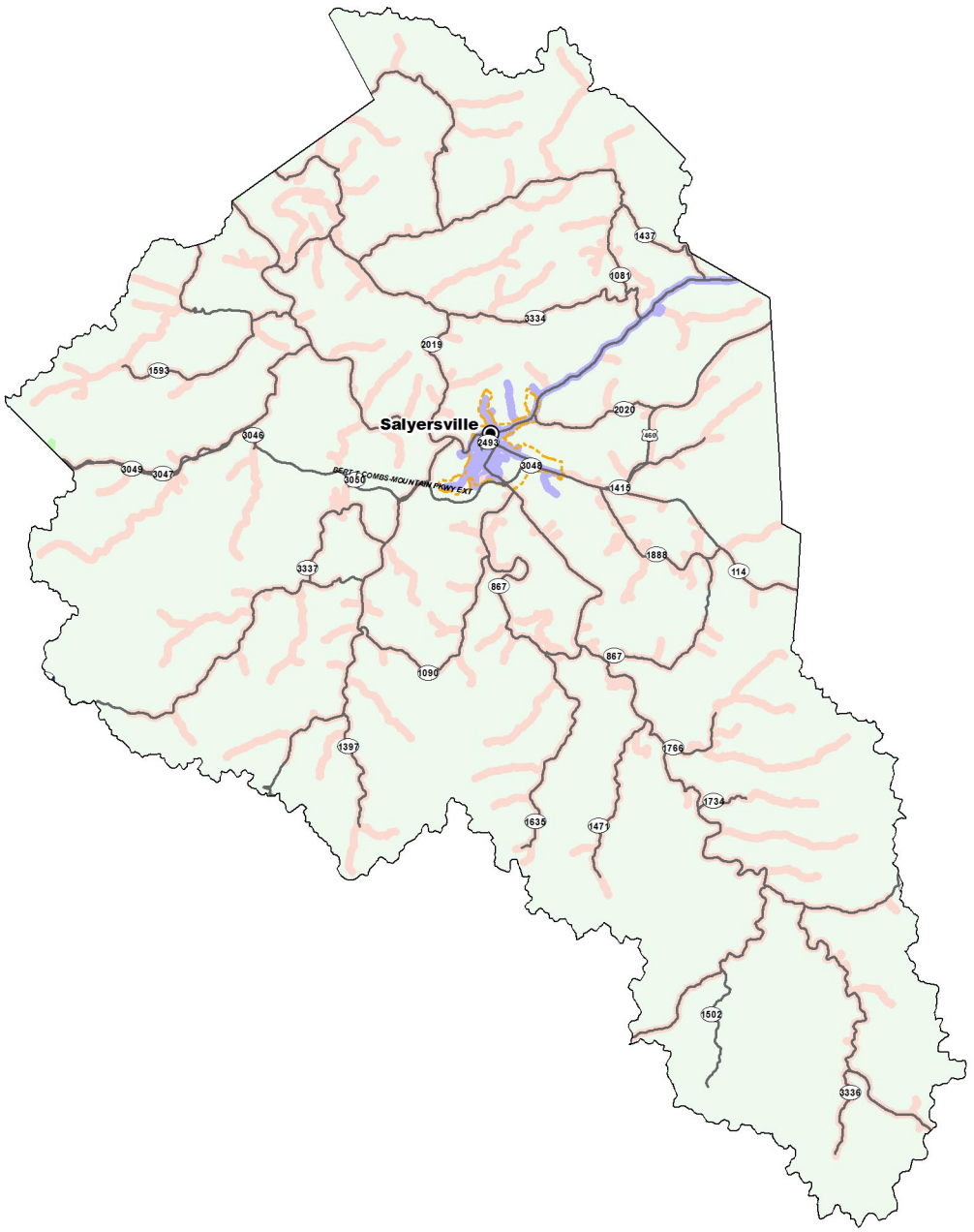
WATER SERVICE AREAS
MAGOFFIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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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 2 providers.
Non-Municipal Cost	$28.20 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	3,522
Residential Customers	3,442	Total Produced (MG)	-
Commercial Customers	80	Total Purchased (MG)	200.000
Institutional Customers	-	Total Inside Usage (MG)	179.875
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 326.74 miles (Distribution: 326.74 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
WX21153023	Magoffin County Water District - Radio Telemetry System	0-2 Years	Not Funded	$644,000	Magoffin	17	5
WX21153019	Magoffin Industrial Park	0-2 Years	Not Funded	$431,300	Magoffin	18	2
WX21153029	Magoffin - KY 542/Sandbottom Water Line Extension	3-5 Years	Not Funded	$1,097,811	Magoffin	20	3
WX21153028	Magoffin - Emergency Tie-In Bloomington to Grape Creek Along Us	3-5 Years	Not Funded	$217,500	Magoffin		
WX21153032	Magoffin County Waterline Extension to Sand Bottom	6-10 Years	Not Funded	$89,700	Magoffin		

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	12	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$19.80 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$19.80 per 4,000 gallons.	Total Connections	1,048
Residential Customers	862	Total Produced (MG)	273.750
Commercial Customers	184	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	25.500
Industrial Customers	1	Total Wholesale Sold (MG)	200.000
Wholesale Customers	1	Estimated Pct. Water Loss	18%
Total Distribution System Line Length = 29.41 miles (Distribution: 25.86 miles, Transmission: 3.56 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
WX21153013	Salyersville Church Street Storage Tank	0-2 Years	Not Funded	$700,982	Magoffin	10	1
WX21153012	Salyersville Water Aging Water Main Phase III	0-2 Years	Not Funded	$1,600,000	Magoffin	14	4

Martin County

- 2010 census population of 12,929 (5,164 households) with 97% serviceable.
- Projected 2020 population of 12,055 (change of -874).
- Martin County has 223.67 miles of existing water lines.
- 2.00 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: $5,843,350.
- 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 97 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 2.00 miles of water line extensions and approximately 6,670 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			
Martin County Water District	3	$5,843,350	10	6,670	2.00	18.00	-
Totals:	**3**	**$5,843,350**	**10**	**6,670**	**2.00**	**18.00**	**-**

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	11,646	5,012
		Totals:	11,646	5,012

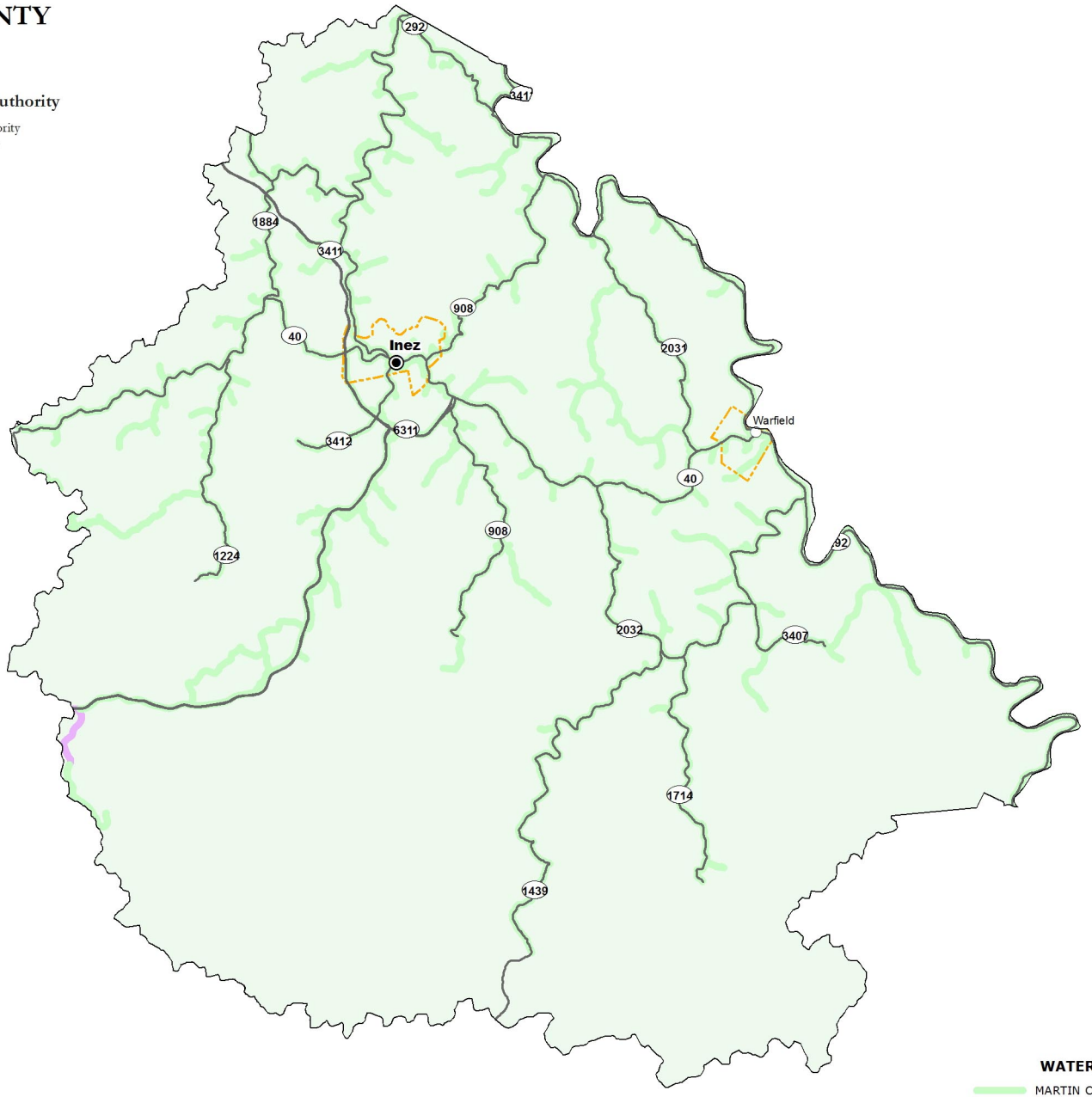
Kentucky Infrastructure Authority
February 19, 2016

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	$39.90 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	3,608
Residential Customers	3,335	Total Produced (MG)	650.000
Commercial Customers	265	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	575.000
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 224.80 miles (Distribution: 219.14 miles, Transmission: 5.65 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
WX21159007	Water Treatment Plant Clarifier Rehab	0-2 Years	Not Funded	$1,011,600	Martin	2	2
WX21159009	Water Intake Upgrades	0-2 Years	Not Funded	$2,223,420	Martin	9	3
WX21159006	Martin County Rehab Aging Infrastructure/Radio Reads	0-2 Years	Not Funded	$3,599,900	Martin	11	1
WX21159008	Martin County Water District - KY 645 Development Area Water System Extension	0-2 Years	Not Funded	$1,231,850	Martin		

Pike County

- 2010 census population of 65,024 (30,304 households) with 91% serviceable.
- Projected 2020 population of 61,991 (change of -3,033).
- Pike County has 879.36 miles of existing water lines.
- 20.00 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: $13,112,994.
- 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 91 percent of the county's households based on 2010 census counts. Over the next ten years approximately 90 serviceable households will be added through the construction of 20.00 miles of water line extensions and approximately 45,770 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 Elkhorn City	4	$3,940,000	25	1,548	2.00	-	-
City of Pikeville	1	$225,000	-	4,000	6.00	-	-
Mountain Water District	9	$10,457,994	65	40,222	12.00	-	-
Totals:	**14**	**$14,622,994**	**90**	**45,770**	**20.00**	**-**	**-**

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	9,099	4,160
KY0980120	Elkhorn City Water Department	Pike	1,429	715
KY0980575	Mountain Water District	Pike	48,115	22,462
KY0360358	Prestonsburg City's Utilities Commission	Floyd	120	50
KY0360026	Southern Water & Sewer District	Floyd	240	103
KY0670213	Jenkins Water System	Letcher	183	85
		Totals:	59,186	27,575

Kentucky Infrastructure Authority
February 19, 2016

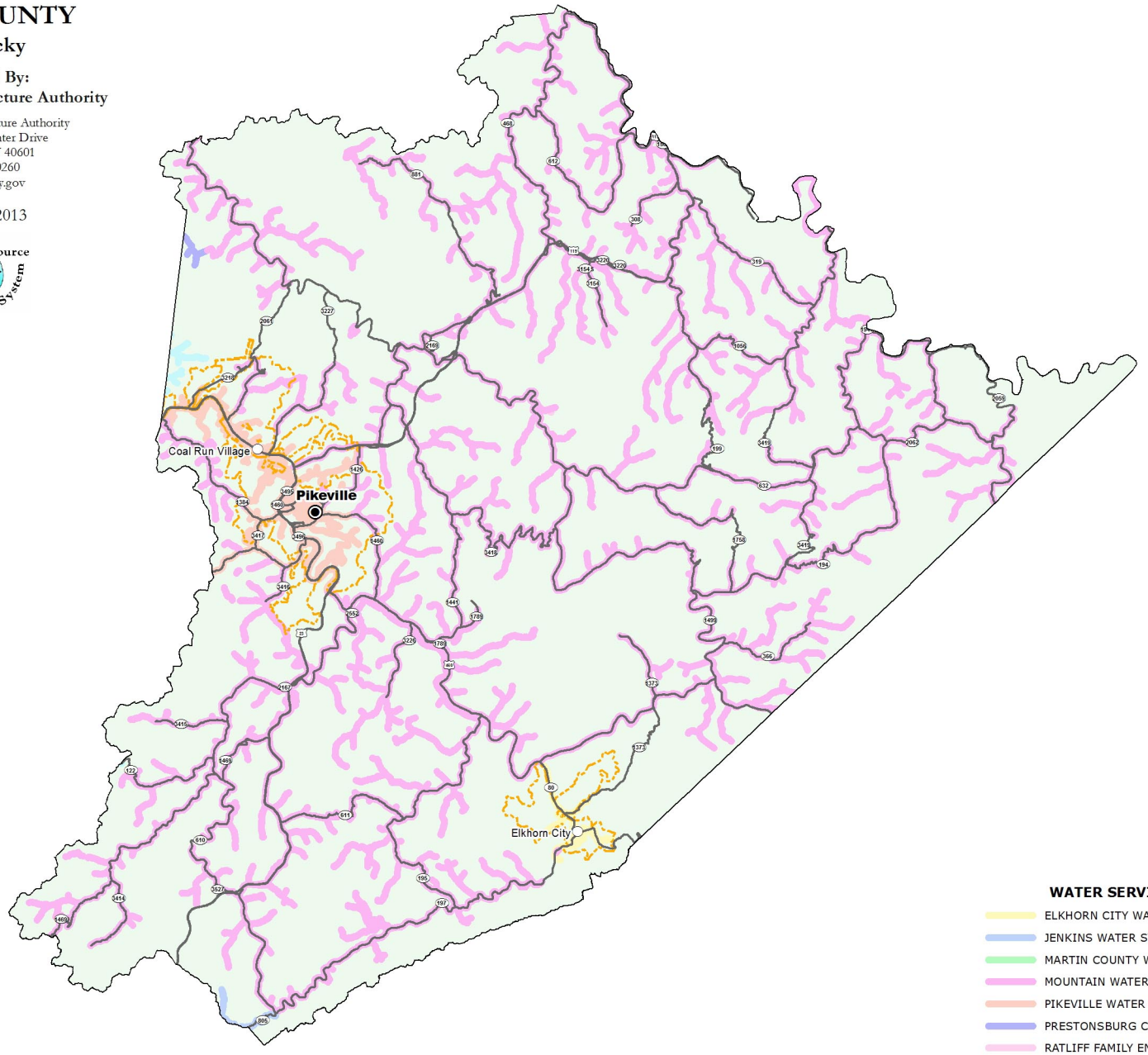
WATER SERVICE AREAS
PIKE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

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, 14 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$35.10 per 4,000 gallons.	Total Connections	4,625
Residential Customers	3,970	Total Produced (MG)	1,293.215
Commercial Customers	653	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	523.728
Industrial Customers	-	Total Wholesale Sold (MG)	643.903
Wholesale Customers	2	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 97.51 miles (Distribution: 97.40 miles, Transmission: 0.11 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
WX21195024	City of Pikeville By-pass Waterline Extension	0-2 Years	Not Funded	$225,000	Pike	1	4

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	$30.50 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$34.04 per 4,000 gallons.	Total Connections	567
Residential Customers	516	Total Produced (MG)	-
Commercial Customers	51	Total Purchased (MG)	65.000
Institutional Customers	-	Total Inside Usage (MG)	38.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	42%

Total Distribution System Line Length = 18.63 miles (Distribution: 18.42 miles, Transmission: 0.20 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
WX21195030	Interconnect with MWD	0-2 Years	Not Funded	$315,000	Pike	5	9
WX21195009	City of Elkhorn City - Water Improvements - Radio Read Meters	0-2 Years	Not Funded	$605,000	Pike	6	5
WX21195010	Steel Bridge Water Line Replacement	0-2 Years	Not Funded	$270,000	Pike	8	3
WX21195007	City of Elkhorn City John Moore's Branch Water Line Extension	0-2 Years	Not Funded	$2,750,000	Pike	22	8

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	2	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$34.04 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 101 tanks with total capacity of 7.000 MG.
Outside Mun. Cost	-	Total Connections	17,029
Residential Customers	16,066	Total Produced (MG)	948.705
Commercial Customers	592	Total Purchased (MG)	730.113
Institutional Customers	150	Total Inside Usage (MG)	951.862
Industrial Customers	2	Total Wholesale Sold (MG)	65.000
Wholesale Customers	3	Estimated Pct. Water Loss	39%

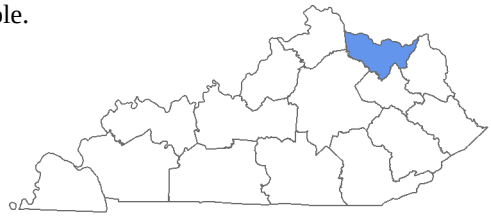
Total Distribution System Line Length = 759.86 miles (Distribution: 758.34 miles, Transmission: 1.52 miles).

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
WX21195027	Water Loss Prevention Program Phase I – Contract #1	0-2 Years	Not Funded	$1,500,000	Pike	3	1
WX21195028	Water Loss Prevention Program Phase I – Contract #2	0-2 Years	Not Funded	$1,500,000	Pike	4	2
WX21195021	Greasy Creek Booster Pump Station	0-2 Years	Not Funded	$500,000	Pike	13	7
WX21195029	Radio Read Meter Replacement Project - Phase I	0-2 Years	Not Funded	$1,100,000	Pike	19	6
WX21195740	MWD-Various Waterline Extensions	3-5 Years	Not Funded	$675,000	Pike	21	10
WX21195023	MWD - Ridgeline Road Section 3 Upper Pompey	0-2 Years	Partially Funded	$1,855,000	Pike		
WX21195738	MWD - Scott Fork Phase 1	6-10 Years	Not Funded	$1,510,000	Pike		
WX21195031	Phelps Pump Stations Relocation Project	0-2 Years	Not Funded	$1,067,994	Pike		
WX21195017	MWD-System Wide Tank Rehabilitation	0-2 Years	Partially Funded	$750,000	Pike		

Buffalo Trace Area Development District (BTADD)



- 2010 census population of 56,478 (26,144 households) with 97% serviceable.
- Projected 2020 population of 58,306 (change of 1,828).
- 1,779.13 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 90.00 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: $22,817,100.
- Estimated funding needs for projects from 6 to 10 years: $5,338,500.
- Average age of structures: water treatment plants is 35 years; water tanks is 22 years.
- Total number of interconnected systems is 17.
- 114 miles of asbestos concrete pipe currently in use.
- 511 miles of water lines less than 15 years old.
- 820 miles of water lines between 15 and 30 years old.
- 285 miles of water lines between 31 and 50 years old.
- 134 miles of water lines between 51 and 70 years old.
- 35 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 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 148 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 27,861 instances of improved service through the rehabilitation of 90.00 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	3,796	99%	$ 6,224,600
Fleming	14,348	6,623	14,880	6,231	6,513	98%	$ 9,731,000
Lewis	13,870	6,481	13,899	5,717	6,208	96%	$ 4,518,500
Mason	17,490	8,105	18,419	7,608	7,808	96%	$ 5,996,500
Robertson	2,282	1,095	2,364	965	1,089	100%	$ 1,685,000
Totals	**56,478**	**26,144**	**58,306**	**24,059**	**25,414**	**97%**	**$ 28,155,600**

Kentucky Infrastructure Authority
February 19, 2016

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

January, 2013

Community Water Systems in Buffalo Trace Area Development District County

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

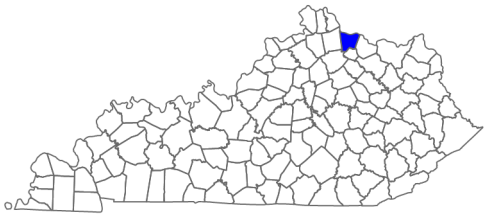
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0120013	Augusta Regional WTP	Bracken	1,169	573
KY0120039	Bracken County Water District	Bracken	6,067	2,700
KY0120044	Brooksville Water	Bracken	655	297
KY0350133	Fleming County Water Association	Fleming	9,458	4,167
KY0350134	Flemingsburg Water	Fleming	2,920	1,496
KY0910675	Western Fleming Water District	Fleming	2,888	1,309
KY0680153	Garrison Water	Lewis	2,818	1,252
KY0680438	Vanceburg Water	Lewis	6,358	3,029
KY0810046	Buffalo Trail Water Association	Mason	3,430	1,603
KY0810275	Maysville Water	Mason	11,248	5,395
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	4,964	2,242
KY0810460	Western Mason Water District	Mason	2,184	953
KY1010297	Mount Olivet Water	Robertson	442	211
		Totals:	54,601	25,227

Project Rankings For Buffalo Trace Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21161042	Sardis Elevated Tank	0-2 Years	Not Funded	$640,000	Mason	1	1
WX21135007	Garrison Quincy Water District-Phase 4	0-2 Years	Not Funded	$2,500,000	Lewis	2	1
WX21069034	Flemingsburg Water - East Water Street Water Line Replacement	3-5 Years	Not Funded	$215,000	Fleming	3	1
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	4	1
WX21069039	WFWD Planning and Design for AC Line Replacement	0-2 Years	Not Funded	$300,000	Fleming	5	2
WX21023042	BCWD-County Roads Without Water	3-5 Years	Not Funded	$279,000	Bracken	6	2
WX21161037	WMWD-Augusta Dover Road Water Line Upgrade	3-5 Years	Not Funded	$572,500	Mason	7	2
WX21135021	Vanceburg School Tank Rehab	3-5 Years	Not Funded	$269,000	Lewis	8	2
WX21201014	Mt. Olivet Water Upgrade-KY 617/KY 165 S	6-10 Years	Not Funded	$370,000	Robertson	9	1
WX21201016	BTWA-KY1029 From Ogden Ridge to KY 165	6-10 Years	Not Funded	$400,000	Robertson	10	2
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	11	3
WX21069032	Western Fleming-Planning & Design & Phase 1 AC Replacement	0-2 Years	Not Funded	$4,300,000	Fleming	12	3
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	3-5 Years	Not Funded	$600,000	Lewis	13	3
WX21161024	Mayslick Tank	3-5 Years	Not Funded	$1,400,000	Mason	14	3
WX21201013	BTWA-Scattered Lines	6-10 Years	Not Funded	$365,000	Robertson	15	3
WX21023034	BCWD-Phase V-Roads Without Water & Upgrades	6-10 Years	Not Funded	$549,500	Bracken	16	4
WX21161013	Maysville Utility Telemetry/Security Improvements	6-10 Years	Not Funded	$150,000	Mason	17	4
WX21201010	BTWA - KY 1029 & Gayles Gorge	6-10 Years	Not Funded	$550,000	Robertson	18	4
WX21069040	Greater Fleming Well	3-5 Years	Not Funded	$555,000	Fleming	19	5
WX21161034	BTWA-Sardis Upgrade	3-5 Years	Not Funded	$150,000	Mason	20	5
WX21023047	Augusta Water Treatment Plant Improvements	3-5 Years	Not Funded	$225,000	Bracken	21	5
WX21069028	Phase 3-Asbestos Cement Water Line Replacement-KY 111 (Poplar Plains Rd)	0-2 Years	Not Funded	$276,736	Fleming	22	4
			Total Cost:	**$16,046,736**			

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 315.23 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 42.00 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: $4,425,100.
- Estimated funding needs for projects from 6 to 10 years: $1,799,500.



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 20 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 6,500 instances of improved service through the rehabilitation of 42.00 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			
Bracken County Water District	7	$3,547,100	19	2,469	4.00	37.00	-
City of Augusta	3	$1,605,000	1	3,716	-	-	-
City of Brooksville	1	$500,000	-	300	-	3.00	-
Western Mason Water District	1	$572,500	-	15	-	2.00	-
Totals:	**12**	**$6,224,600**	**20**	**6,500**	**4.00**	**42.00**	**-**

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	1,169	573
KY0120039	Bracken County Water District	Bracken	5,973	2,643
KY0120044	Brooksville Water	Bracken	655	297
KY0810046	Buffalo Trail Water Association	Mason	213	108
KY0810460	Western Mason Water District	Mason	403	173
		Totals:	8,413	3,794

Kentucky Infrastructure Authority
February 19, 2016

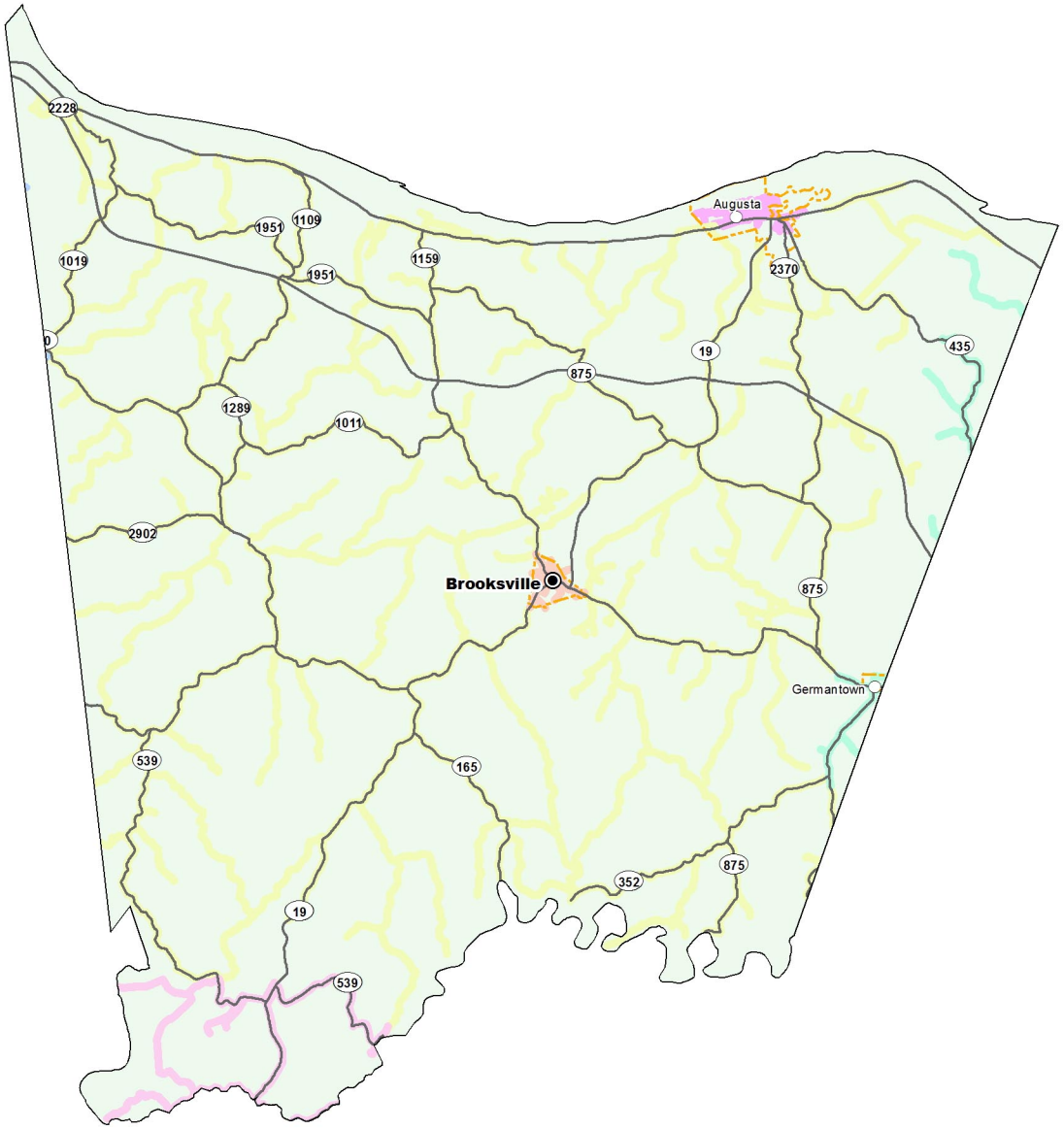
WATER SERVICE AREAS
BRACKEN COUNTY
Kentucky

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	7	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	566
Residential Customers	517	Total Produced (MG)	247.757
Commercial Customers	41	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	38.009
Industrial Customers	5	Total Wholesale Sold (MG)	161.720
Wholesale Customers	1	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 9.61 miles (Distribution: 8.85 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
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	$80,000	Bracken	4	1
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	11	3

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 1 provider.
Non-Municipal Cost	$45.47 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	2,449
Residential Customers	2,426	Total Produced (MG)	-
Commercial Customers	20	Total Purchased (MG)	161.720
Institutional Customers	-	Total Inside Usage (MG)	122.640
Industrial Customers	-	Total Wholesale Sold (MG)	19.872
Wholesale Customers	2	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 276.86 miles (Distribution: 276.86 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
WX21023042	BCWD-County Roads Without Water	3-5 Years	Not Funded	$279,000	Bracken	6	2
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	$1,300,000	Bracken	11	3
WX21023034	BCWD-Phase V-Roads Without Water & Upgrades	6-10 Years	Not Funded	$549,500	Bracken	16	4
WX21023044	BCWD-Shofstall Road	0-2 Years	Not Funded	$400,000	Bracken		8
WX21023033	BCWD - Shofstall to Locust Creek & Old 19	6-10 Years	Not Funded	$750,000	Bracken		9
WX21023025	Bracken Co Water District - Asbsetos Cement Water Line Replacement	3-5 Years	Not Funded	$977,000	Bracken		12
WX21023048	Bracken County Water District Interconnect	0-2 Years	Not Funded	$91,600	Bracken		

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	$37.00 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	320
Residential Customers	258	Total Produced (MG)	-
Commercial Customers	62	Total Purchased (MG)	19.176
Institutional Customers	-	Total Inside Usage (MG)	17.003
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 5.41 miles (Distribution: 5.41 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	11	3
WX21023032	Brooksville Improvements	6-10 Years	Not Funded	$500,000	Bracken		10

Fleming County

- 2010 census population of 14,348 (6,623 households) with 98% serviceable.
- Projected 2020 population of 14,880 (change of 532).
- Fleming County has 492.91 miles of existing water lines.
- 6.00 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: $9,381,000.
- Estimated funding needs for projects from 6 to 10 years: $350,000.

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 98 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 6.00 miles of water line extensions and approximately 4,257 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	3	$1,090,000	-	1,447	3.00	-	-
Fleming County Water Association Inc	1	$501,000	-	1,000	2.00	-	-
Rowan Water Inc	1	$600,000	-	-	-	-	-
Western Fleming County Water District	4	$7,540,000	38	1,810	1.00	18.00	-
Totals:	**9**	**$9,731,000**	**38**	**4,257**	**6.00**	**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	8,191	3,654
KY0350134	Flemingsburg Water	Fleming	2,920	1,496
KY0910675	Western Fleming Water District	Fleming	2,842	1,284
KY1030375	Rowan Water, Inc	Rowan	121	56
		Totals:	14,074	6,490

Kentucky Infrastructure Authority
February 19, 2016

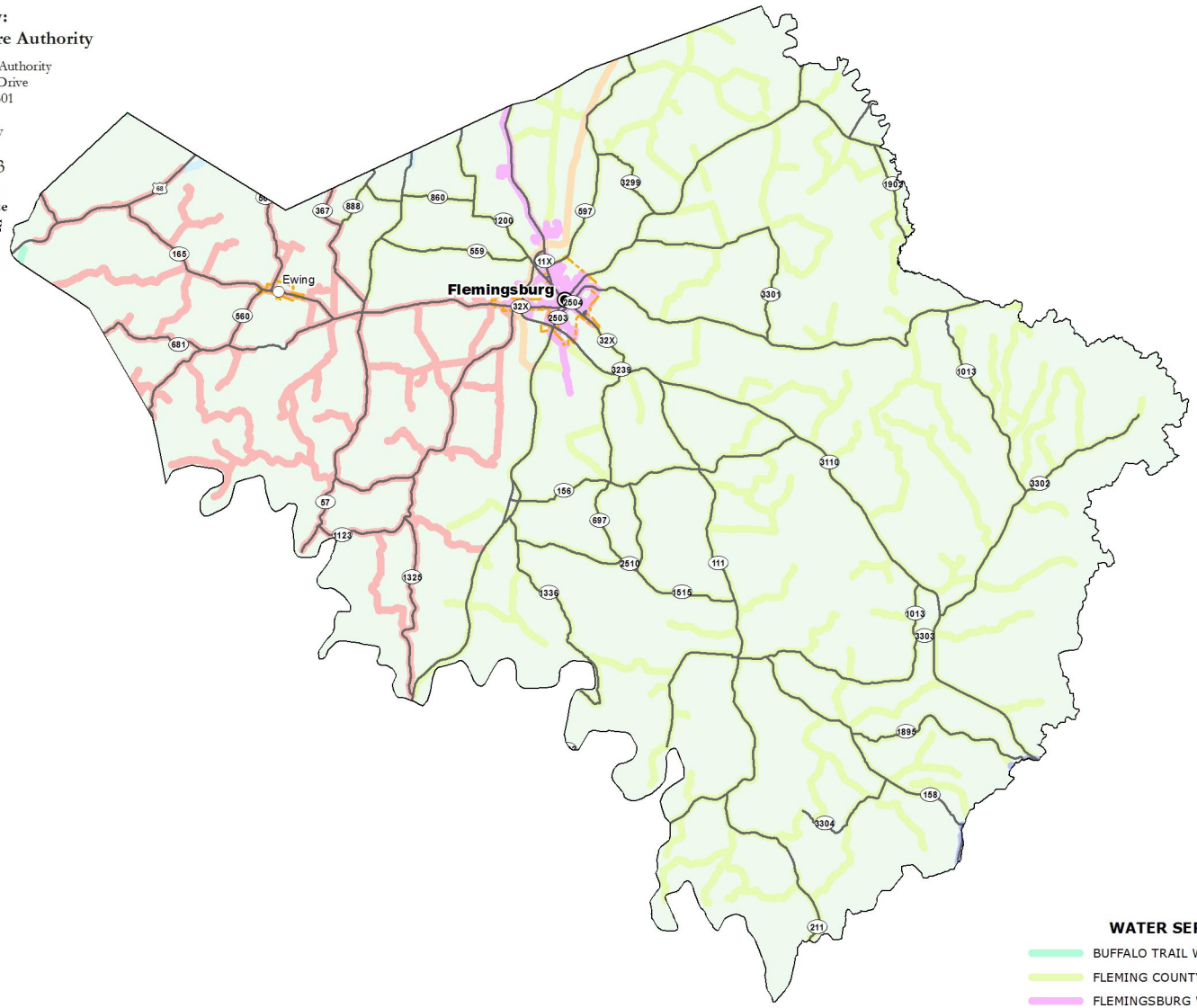
WATER SERVICE AREAS
FLEMING COUNTY
Kentucky

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	4,010
Residential Customers	3,174	Total Produced (MG)	-
Commercial Customers	574	Total Purchased (MG)	293.785
Institutional Customers	-	Total Inside Usage (MG)	280.369
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 378.77 miles (Distribution: 378.77 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	3-5 Years	Not Funded	$555,000	Fleming	19	5
WX21069028	Phase 3-Asbestos Cement Water Line Replacement-KY 111 (Poplar Plains Rd)	0-2 Years	Not Funded	$276,736	Fleming	22	4
WX21069022	FCWA 12" Bypass Water Line	3-5 Years	Not Funded	$501,000	Fleming		8

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	$35.02 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$45.98 per 4,000 gallons.	Total Connections	1,837
Residential Customers	1,591	Total Produced (MG)	16.173
Commercial Customers	226	Total Purchased (MG)	171.563
Institutional Customers	-	Total Inside Usage (MG)	149.456
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 34.37 miles (Distribution: 29.27 miles, Transmission: 5.10 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
WX21069034	Flemingsburg Water - East Water Street Water Line Replacement	3-5 Years	Not Funded	$215,000	Fleming	3	1
WX21069040	Greater Fleming Well	3-5 Years	Not Funded	$555,000	Fleming	19	5
WX21069037	Phase 2 - Flemingsburg Bypass Water Line Extension	0-2 Years	Not Funded	$525,000	Fleming		10
WX21069018	Flemingsburg Automatic Read Meters	6-10 Years	Not Funded	$350,000	Fleming		

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	
Residential Customers	-	Total Produced (MG)	514.600
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	7.000
Industrial Customers	-	Total Wholesale Sold (MG)	492.088
Wholesale Customers	4	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 20.95 miles (Distribution: 0.00 miles, Transmission: 20.95 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	3-5 Years	Not Funded	$555,000	Fleming	19	5

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, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,499
Residential Customers	1,475	Total Produced (MG)	371.232
Commercial Customers	18	Total Purchased (MG)	36.320
Institutional Customers	-	Total Inside Usage (MG)	121.217
Industrial Customers	-	Total Wholesale Sold (MG)	275.556
Wholesale Customers	2	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 135.63 miles (Distribution: 135.44 miles, Transmission: 0.19 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
WX21069032	Western Fleming-Planning & Design & Phase 1 AC Replacement	0-2 Years	Not Funded	$4,300,000	Fleming	12	3
WX21069040	Greater Fleming Well	3-5 Years	Not Funded	$555,000	Fleming	19	5
WX21069030	WFWD-Nepton Rd & Connector Rd	3-5 Years	Not Funded	$40,000	Fleming		6
WX21069035	WFWD-Office	3-5 Years	Not Funded	$200,000	Fleming		7
WX21069038	Western Fleming Water District-Phase 2 AC Line Replacement	3-5 Years	Not Funded	$3,000,000	Fleming		9

Lewis County

- 2010 census population of 13,870 (6,481 households) with 96% serviceable.
- Projected 2020 population of 13,899 (change of 29).
- Lewis County has 468.18 miles of existing water lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 2.00 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: $4,518,500.
- 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 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 89 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 426 instances of improved service through the rehabilitation of 2.00 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	2	$594,500	14	-	2.00	-	1.00
Garrison-Quincy-Ky-O-Heights Water District	2	$3,100,000	75	426	3.00	2.00	-
Greater Fleming Regional Water Commission	1	$555,000	-	-	-	-	-
Vanceburg Electric Plant Board	1	$269,000	-	-	-	-	-
Totals:	**6**	**$4,518,500**	**89**	**426**	**5.00**	**2.00**	**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	2,818	1,252
KY0680438	Vanceburg Water	Lewis	6,311	3,007
KY0220555	Rattlesnake Ridge Water District	Carter	95	43
KY0350133	Fleming County Water Association	Fleming	722	309
KY0450410	City of South Shore	Greenup	367	185
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	3,028	1,412
		Totals:	13,341	6,208

Kentucky Infrastructure Authority
February 19, 2016

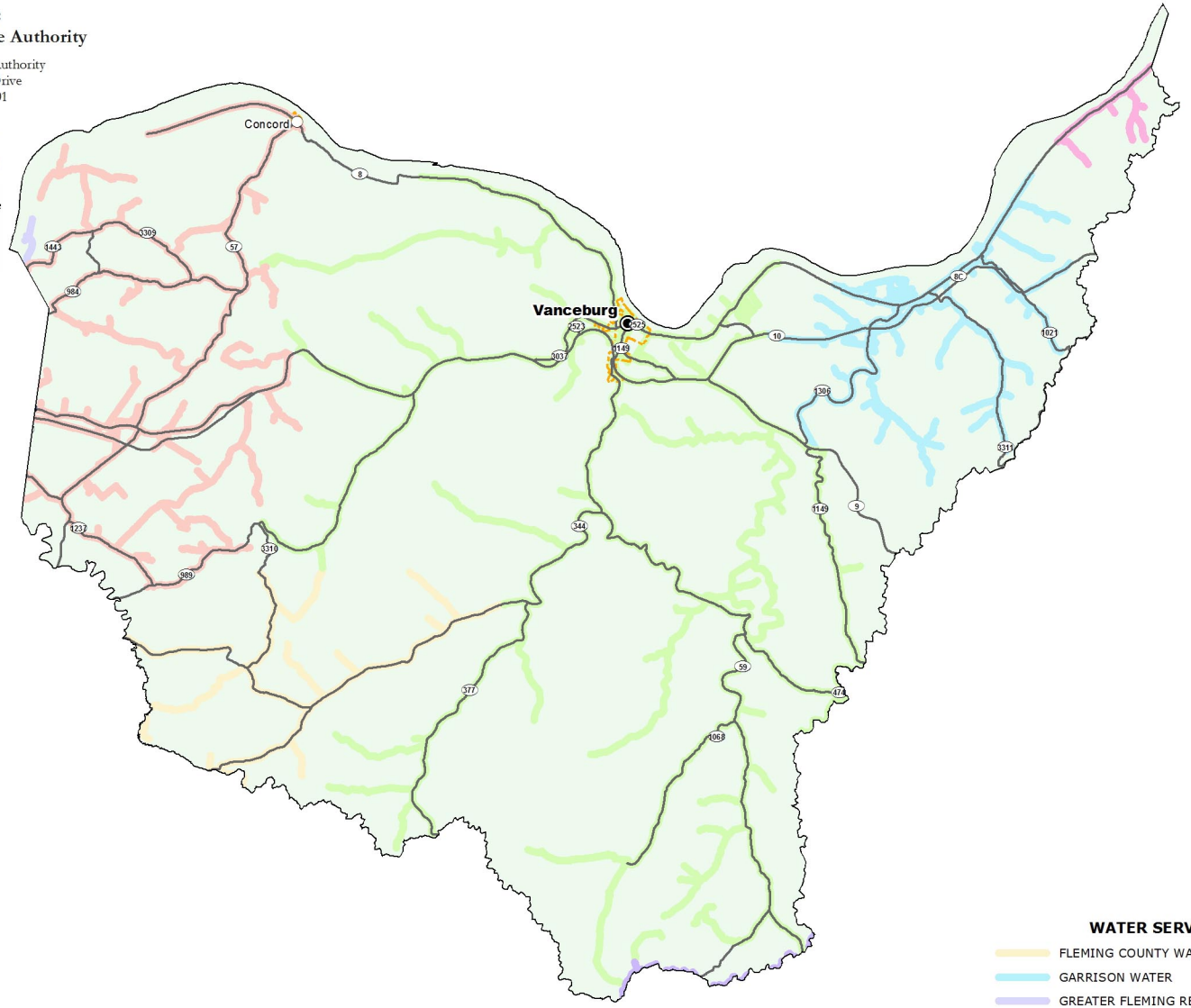
WATER SERVICE AREAS
LEWIS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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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	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,042
Residential Customers	1,000	Total Produced (MG)	55.429
Commercial Customers	40	Total Purchased (MG)	16.849
Institutional Customers	-	Total Inside Usage (MG)	48.475
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%
Total Distribution System Line Length = 75.91 miles (Distribution: 75.86 miles, Transmission: 0.05 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
WX21135007	Garrison Quincy Water District-Phase 4	0-2 Years	Not Funded	$2,500,000	Lewis	2	1
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	3-5 Years	Not Funded	$600,000	Lewis	13	3
WX21089070	COSS: Interconnect with Garrison Water	0-2 Years	Not Funded	$94,500	Greenup		

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	$24.19 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$32.52 per 4,000 gallons.	Total Connections	2,583
Residential Customers	2,451	Total Produced (MG)	303.254
Commercial Customers	122	Total Purchased (MG)	0.084
Institutional Customers	-	Total Inside Usage (MG)	149.946
Industrial Customers	8	Total Wholesale Sold (MG)	16.849
Wholesale Customers	2	Estimated Pct. Water Loss	45%

Total Distribution System Line Length = 236.00 miles (Distribution: 226.91 miles, Transmission: 9.09 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
WX21135021	Vanceburg School Tank Rehab	3-5 Years	Not Funded	$269,000	Lewis	8	2

Mason County

- 2010 census population of 17,490 (8,105 households) with 96% serviceable.
- Projected 2020 population of 18,419 (change of 929).
- Mason County has 364.20 miles of existing water lines.
- There are no 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: $4,492,500.
- Estimated funding needs for projects from 6 to 10 years: $1,504,000.

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 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 16,347 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			
Buffalo Trail Water Association Inc	6	$2,110,000	-	1,535	-	9.00	-
Maysville Utility Commission	4	$1,655,000	-	13,232	-	-	-
Western Lewis-Rectorville Water & Gas District	1	$1,450,000	-	1,500	-	-	-
Western Mason Water District	2	$781,500	-	80	-	4.00	-
Totals:	**13**	**$5,996,500**	**-**	**16,347**	**-**	**13.00**	**-**

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	1,304	577
KY0810275	Maysville Water	Mason	11,236	5,391
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	1,936	830
KY0810460	Western Mason Water District	Mason	1,781	780
KY0120039	Bracken County Water District	Bracken	45	30
KY0350133	Fleming County Water Association	Fleming	533	199
		Totals:	16,835	7,807

Kentucky Infrastructure Authority
February 19, 2016

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

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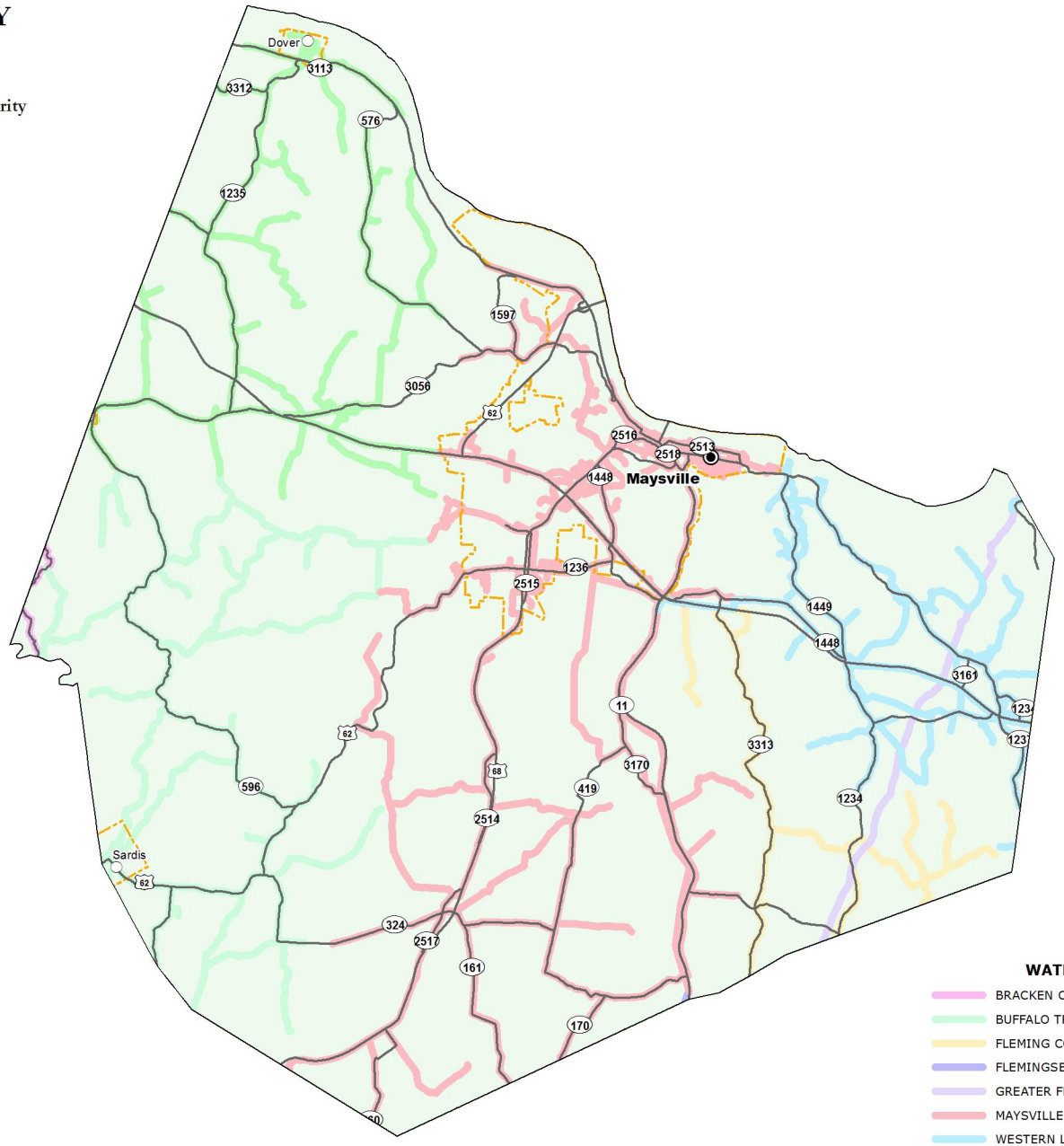
Water Resource Information System



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	1,441
Residential Customers	1,434	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	143.818
Institutional Customers	-	Total Inside Usage (MG)	97.052
Industrial Customers	-	Total Wholesale Sold (MG)	14.967
Wholesale Customers	2	Estimated Pct. Water Loss	22%

Total Distribution System Line Length = 205.51 miles (Distribution: 205.51 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
WX21161042	Sardis Elevated Tank	0-2 Years	Not Funded	$640,000	Mason	1	1
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	15	3
WX21161034	BTWA-Sardis Upgrade	3-5 Years	Not Funded	$150,000	Mason	20	5
WX21161038	BTWA - Old Sardis Pike	6-10 Years	Not Funded	$200,000	Mason		6
WX21161033	BTWA-Happy Ridge Upgrade	3-5 Years	Not Funded	$205,000	Mason		7

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	23	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$23.28 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$29.10 per 4,000 gallons.	Total Connections	5,117
Residential Customers	4,128	Total Produced (MG)	717.800
Commercial Customers	457	Total Purchased (MG)	-
Institutional Customers	504	Total Inside Usage (MG)	524.404
Industrial Customers	24	Total Wholesale Sold (MG)	45.816
Wholesale Customers	4	Estimated Pct. Water Loss	21%
Total Distribution System Line Length = 149.17 miles (Distribution: 142.21 miles, Transmission: 6.96 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	3-5 Years	Not Funded	$1,400,000	Mason	14	3
WX21161013	Maysville Utility Telemetry/Security Improvements	6-10 Years	Not Funded	$150,000	Mason	17	4
WX21161035	Maysville Plant Upgrade	6-10 Years	Not Funded	$30,000	Mason		9
WX21161029	Washington Pressure Zone Upgrade	3-5 Years	Not Funded	$75,000	Mason		10

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, 6 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,224
Residential Customers	2,041	Total Produced (MG)	112.229
Commercial Customers	202	Total Purchased (MG)	31.087
Institutional Customers	-	Total Inside Usage (MG)	126.284
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 167.73 miles (Distribution: 167.57 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
WX21201010	BTWA - KY 1029 & Gayles Gorge	6-10 Years	Not Funded	$550,000	Robertson	18	4
WX21069040	Greater Fleming Well	3-5 Years	Not Funded	$555,000	Fleming	19	5
WX21161022	WLRWD - Office Tank	3-5 Years	Not Funded	$1,450,000	Mason		11

System Summary for Western Mason Water District

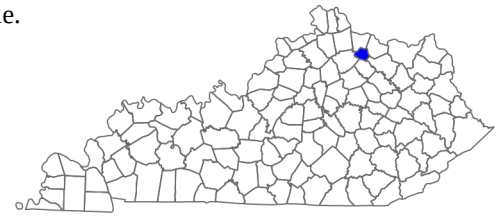
PWSID	KY0810460	Treats Water	Yes, 1 plant with total capacity of 0.720 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 2 sources.
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$35.50 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,028
Residential Customers	1,008	Total Produced (MG)	81.733
Commercial Customers	19	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	78.493
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	4%
Total Distribution System Line Length = 69.92 miles (Distribution: 69.50 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-Augusta Dover Road Water Line Upgrade	3-5 Years	Not Funded	$572,500	Mason	7	2
WX21161036	WMWD-Walton Pike Water Line Upgrade	6-10 Years	Not Funded	$209,000	Mason		8
WX21023048	Bracken County Water District Interconnect	0-2 Years	Not Funded	$91,600	Bracken		

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 138.61 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	442	211
KY0810046	Buffalo Trail Water Association	Mason	1,825	874
		Totals:	2,267	1,085

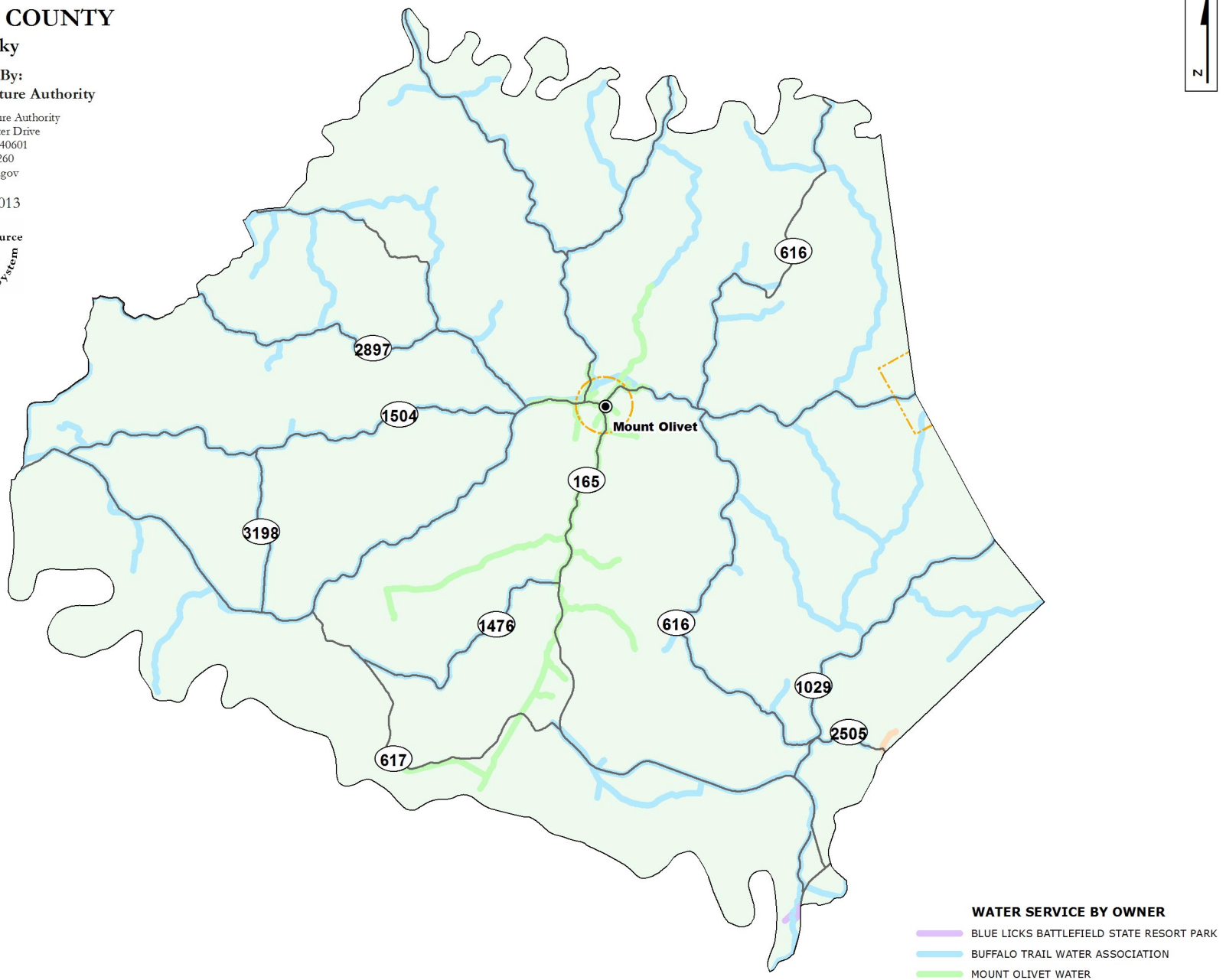
Kentucky Infrastructure Authority
February 19, 2016

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	245
Residential Customers	245	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	14.950
Institutional Customers	-	Total Inside Usage (MG)	13.730
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

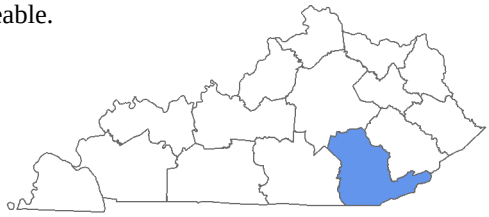
Total Distribution System Line Length = 19.29 miles (Distribution: 19.29 miles, Transmission: 0.00 miles).

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	9	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).
- 4,541.62 miles of existing water lines.
- 128.00 miles of line extensions proposed in the next 10 years.
- 57.00 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: $74,444,622.
- Estimated funding needs for projects from 6 to 10 years: $11,877,948.
- Average age of structures: water treatment plants is 36 years; water tanks is 26 years.
- Total number of interconnected systems is 37.
- 28 miles of asbestos concrete pipe currently in use.
- 902 miles of water lines less than 15 years old.
- 1,835 miles of water lines between 15 and 30 years old.
- 468 miles of water lines between 31 and 50 years old.
- 318 miles of water lines between 51 and 70 years old.
- 44 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 9,517 serviceable households will be added through the construction of 128.00 miles of water line extensions and approximately 175,808 instances of improved service through the rehabilitation of 57.00 miles of existing water lines and other appurtenances. 48.00 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	12,853	98%	$ 13,964,921
Clay	21,730	8,875	20,289	7,421	8,355	94%	$ 10,145,200
Harlan	29,278	13,513	26,099	10,856	12,949	96%	$ 6,533,074
Jackson	13,494	6,523	13,771	5,961	6,103	94%	$ 9,021,410
Knox	31,883	14,485	32,132	13,362	14,143	98%	$ 8,038,500
Laurel	58,849	25,446	64,713	26,415	25,254	99%	$ 21,694,502
Rockcastle	17,056	7,703	17,593	7,308	7,432	97%	$ 8,419,476
Whitley	35,637	15,166	35,256	14,048	14,677	97%	$ 8,505,487
Totals	**236,618**	**104,865**	**237,501**	**97,085**	**101,766**	**97%**	**$ 86,322,570**

Kentucky Infrastructure Authority
February 19, 2016

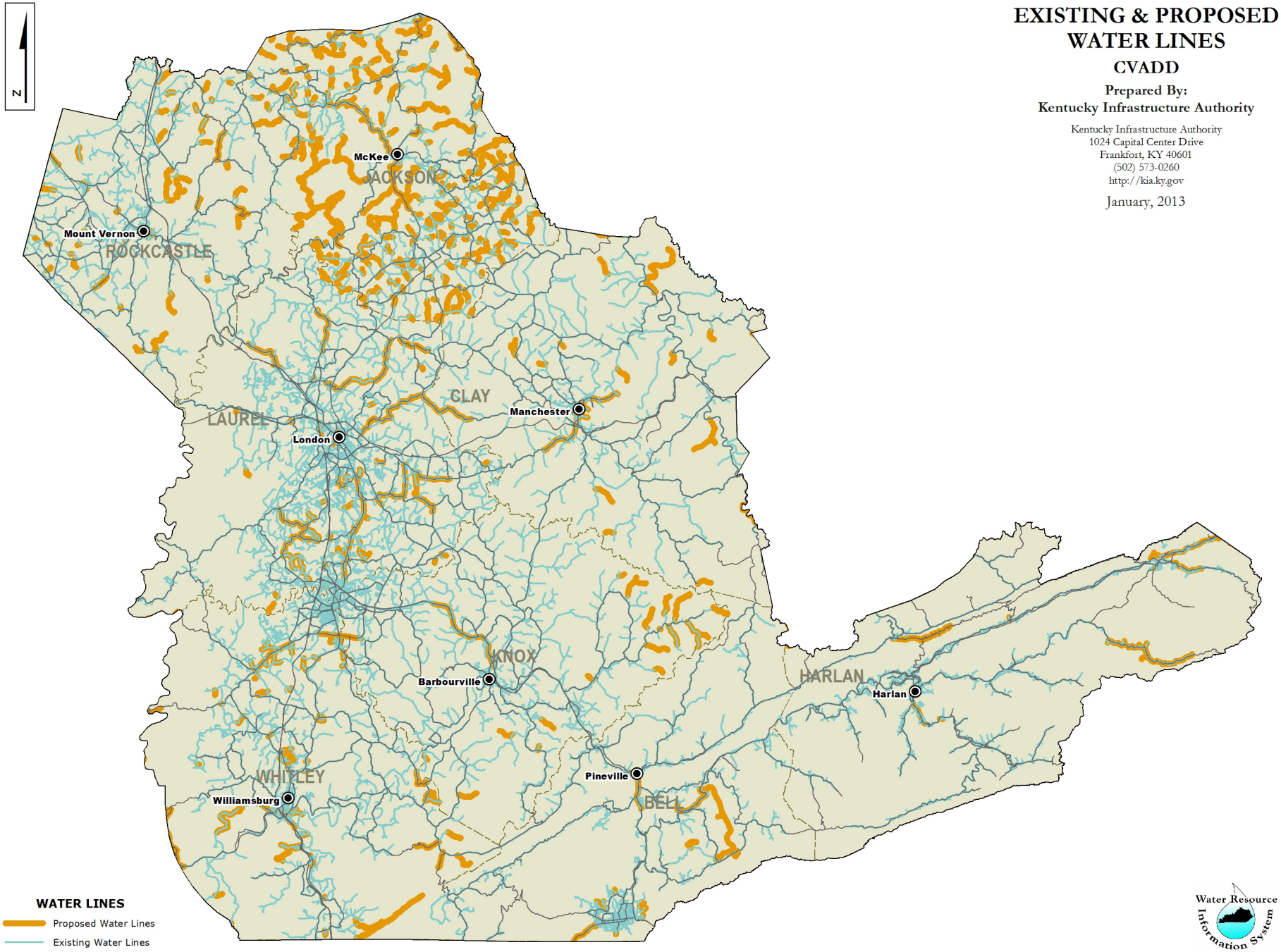
EXISTING & PROPOSED WATER LINES

CVADD

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013



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
KY0070353	Pineville Water System	Bell	15,609	7,060
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0260737	Manchester Water Works	Clay	13,187	5,701
KY0260266	North Manchester Water Association Inc	Clay	6,657	2,282
KY0480265	BMUD - Ages/Coxton	Harlan	1,010	445
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	790	369
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	758	398
KY0480262	City of Lynch	Harlan	825	490
KY0483458	Coap, Inc.	Harlan	73	31
KY0480092	Cumberland Municipal Water Works	Harlan	3,551	1,724
KY0480125	Evarts Municipal Water Plant	Harlan	3,425	1,403
KY0480178	Harlan Municipal Water Works	Harlan	4,281	2,048
KY0550784	City of McKee	Jackson	845	447
KY0550209	Jackson County Water Association Inc	Jackson	11,651	5,534
KY0610016	Barbourville Utility Commission	Knox	15,840	7,071
KY0610110	Knox County Utility Commission	Knox	7,849	3,768
KY0630797	East Laurel Water District	Laurel	12,976	5,487
KY0630238	Laurel Water District #2	Laurel	14,699	6,161
KY0630255	London Utility Commission	Laurel	9,130	4,144
KY0630451	West Laurel Water Association	Laurel	12,286	5,284
KY0630477	Wood Creek Water District	Laurel	11,746	5,130
KY1020889	City of Brodhead	Rockcastle	1,510	679
KY1020299	City of Mount Vernon	Rockcastle	4,404	2,026
KY1020288	Eastern Rockcastle County Water Association	Rockcastle	1,592	782
KY1020253	Livingston Municpal Water Works	Rockcastle	385	198
KY1020891	Western Rockcastle Water Association	Rockcastle	10,657	4,702
KY1180085	Corbin Utilities Commission	Whitley	14,916	6,849
KY1180093	Cumberland Falls Highway Water District	Whitley	8,953	3,717
KY1180468	Whitley County Water District	Whitley	11,139	4,792
KY1183728	Whitley County Water District - 92 West	Whitley	460	198
KY1180471	Williamsburg Municipal WTP	Whitley	5,105	1,917
		Totals:	231,704	102,625

Project Rankings For Cumberland Valley Area Development District

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	1	1
WX21013918	Pineville: WTP Expansion Project	3-5 Years	Partially Funded	$4,076,623	Bell	2	1
WX21095003	Cumberland Water System Improvements	3-5 Years	Not Funded	$1,664,000	Harlan	3	2
WX21121004	Barbourville - Wal-Mart Tank Replacement	0-2 Years	Not Funded	$666,000	Knox	4	2
WX21203006	Brodhead: Waterline Replacement and Upgrade	3-5 Years	Not Funded	$1,136,000	Rockcastle	5	4
WX21109003	Jackson County Water Association - Water Line Extensions	3-5 Years	Not Funded	$1,366,410	Jackson	6	2
WX21121537	Knox: Water Line Extension In Whitley County	0-2 Years	Partially Funded	$709,260	Whitley	7	2
WX21235403	CFHWD Water - New Line Extension Project	0-2 Years	Fully Funded	$933,000	Whitley	8	3
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	$2,777,500	Knox	9	5
WX21051005	Water Tank Project	0-2 Years	Not Funded	$1,700,000	Clay	10	1
WX21121006	Barbourville - KY 1527 Waterline Replacement	0-2 Years	Not Funded	$279,250	Knox	11	1
WX21235005	Upper Lot Mud Creek Road Water Line Extension	0-2 Years	Not Funded	$450,000	Whitley	12	4
WX21121009	Water Extension to Grace Community Health Facility	0-2 Years	Not Funded	$85,750	Knox	13	3
WX21013001	Brownies Creek/Cubbage Waterline Rehab Phase 2	3-5 Years	Not Funded	$548,350	Bell	14	2
WX21051010	New Water Meters	0-2 Years	Not Funded	$62,000	Clay	15	2
WX21125007	Bakersfield Subdivision Water Line Upgrade Project	3-5 Years	Not Funded	$179,693	Laurel	16	2
WX21109002	Downtown Water Storage Tank Replacement	3-5 Years	Not Funded	$1,825,000	Jackson	17	1
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	$1,000,000	Clay	18	4
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	$3,000,000	Knox	19	4
WX21109005	Water Treatment Plant Improvements	0-2 Years	Not Funded	$530,000	Jackson	20	3
WX21125003	West 5th Street/College Street Waterline Replacement - Phase 1	0-2 Years	Not Funded	$127,658	Laurel	21	3
WX21125012	Hawk Creek Water Line Replacement	3-5 Years	Not Funded	$917,674	Laurel	22	1
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	$100,000	Whitley	23	1
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	$1,854,948	Bell	24	4
WX21095009	Raw Water Meters	0-2 Years	Not Funded	$7,285	Harlan	25	5
WX21203005	Mount Vernon - Phase #3 - Water Treatment Plant Improvements	3-5 Years	Not Funded	$800,000	Rockcastle	26	3
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	$900,000	Clay	27	5
WX21210139	Pmria- Waterline Ext. to Proposed Industrial Park	0-2 Years	Not Funded	$6,500,000	Bell	28	3
WX21051007	Raw Water Pump Replacement - Goose Creek Intake Phase II	3-5 Years	Not Funded	$50,000	Clay	29	3
WX21125009	Meadowlane Subdivision Water Line Extension Project	3-5 Years	Not Funded	$198,662	Laurel	30	4
WX21125013	Hammock-Foly-SR1223 Loop Lines Project	3-5 Years	Not Funded	$195,164	Laurel	31	5
WX21095002	City of Benham - Water Tank Repair/Replacement	0-2 Years	Partially Funded	$929,120	Harlan	32	3
WX21203009	Eastern Rockcastle - Meter Replacement and Radio Read Meters	0-2 Years	Not Funded	$35,800	Rockcastle	33	2
WX21125014	HWY 552 and Robinson Creek Road Loop Lines Project	3-5 Years	Not Funded	$221,517	Laurel	34	7

Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203534	Livingston Ky - Water System Debt Reduction	6-10 Years	Not Funded	$52,500	Rockcastle	35	1
WX21095666	City of Cumberland Water Treatment Plant Upgrades (Was WX21095662)	0-2 Years	Not Funded	$1,750,000	Harlan	36	4
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	0-2 Years	Not Funded	$526,700	Clay	37	6
WX21235803	Williamsburg - Phase III Water System Improvements	6-10 Years	Not Funded	$3,250,000	Whitley	38	5
WX21125553	Water System Extension Project	3-5 Years	Not Funded	$310,000	Laurel	39	6
			Total Cost:	**$42,108,514**			

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 404.34 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.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,124,973.
- 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 16.00 miles of water line extensions and approximately 1,251 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			
Bell County Fiscal Court	1	$6,500,000	1	-	15.00	-	-
City of Pineville	2	$1,533,350	-	35	1.00	2.00	-
Pineville Utility Commission	2	$5,931,571	-	1,216	-	3.00	-
Totals:	**5**	**$13,964,921**	**1**	**1,251**	**16.00**	**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
KY0070353	Pineville Water System	Bell	15,380	6,958
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0610110	Knox County Utility Commission	Knox	355	158
		Totals:	27,757	12,842

Kentucky Infrastructure Authority
February 19, 2016

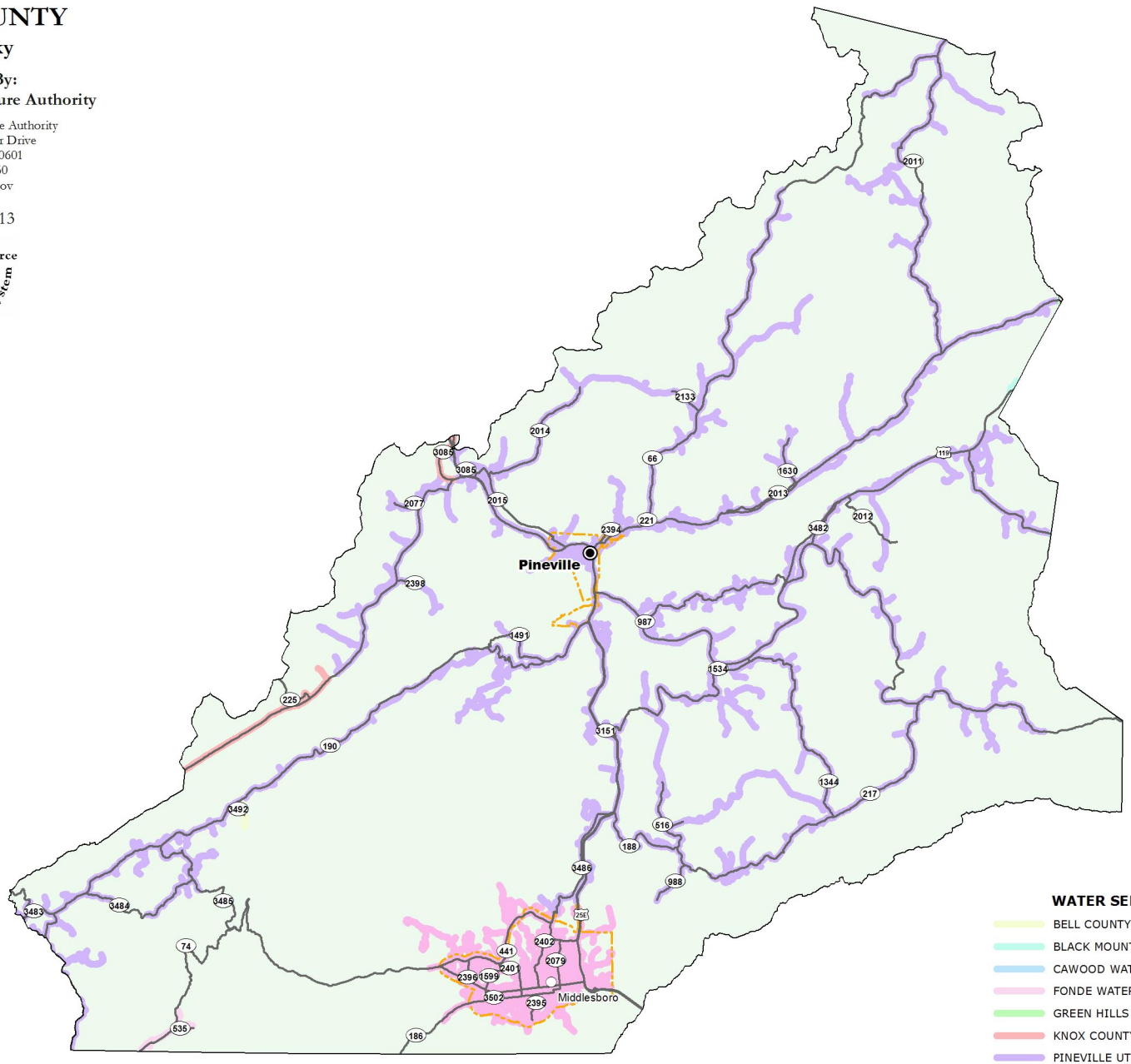
WATER SERVICE AREAS
BELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

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	17
Residential Customers	350	Total Produced (MG)	17.008
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	16.884
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	1%
Total Distribution System Line Length = 0.63 miles (Distribution: 0.63 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 Kettle Island Water System

PWSID	KY0070325	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Private Non-Profit	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 Kettle Island Water System

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	22	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	$47.45 per 4,000 gallons.	Total Connections	
Residential Customers	28	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	0.800
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	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 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	22	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	5,330
Residential Customers	5,006	Total Produced (MG)	916.690
Commercial Customers	321	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	664.346
Industrial Customers	-	Total Wholesale Sold (MG)	58.310
Wholesale Customers	3	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 312.34 miles (Distribution: 312.34 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
WX21013918	Pineville: WTP Expansion Project	3-5 Years	Partially Funded	$4,076,623	Bell	2	1
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	$1,854,948	Bell	24	4
WX21210139	Pmria- Waterline Ext. to Proposed Industrial Park	0-2 Years	Not Funded	$6,500,000	Bell	28	3

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	$21.00 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	6,101
Residential Customers	5,262	Total Produced (MG)	423.683
Commercial Customers	801	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	406.581
Industrial Customers	27	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	4%

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 479.98 miles of existing water lines.
- 8.00 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: $6,690,700.
- 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 8.00 miles of water line extensions and approximately 15,351 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 Booneville	1	$252,000	1	-	-	-	-
City of Manchester	6	$6,204,500	3,281	14,328	-	19.00	-
Clay County Fiscal Court	1	$900,000	50	-	7.00	-	-
East Laurel Water District	1	$2,200,000	-	-	-	-	4.00
North Manchester Water Association Inc	2	$588,700	15	1,023	1.00	2.00	-
Totals:	**11**	**$10,145,200**	**3,347**	**15,351**	**8.00**	**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	13,162	5,687
KY0260266	North Manchester Water Association Inc	Clay	6,629	2,267
KY0550209	Jackson County Water Association Inc	Jackson	30	15
KY0630797	East Laurel Water District	Laurel	795	356
KY0660204	Hyden Leslie Co Water District	Leslie	30	19
KY0950036	Booneville Water and Sewer	Owsley	22	11
		Totals:	20,668	8,355

Kentucky Infrastructure Authority
February 19, 2016

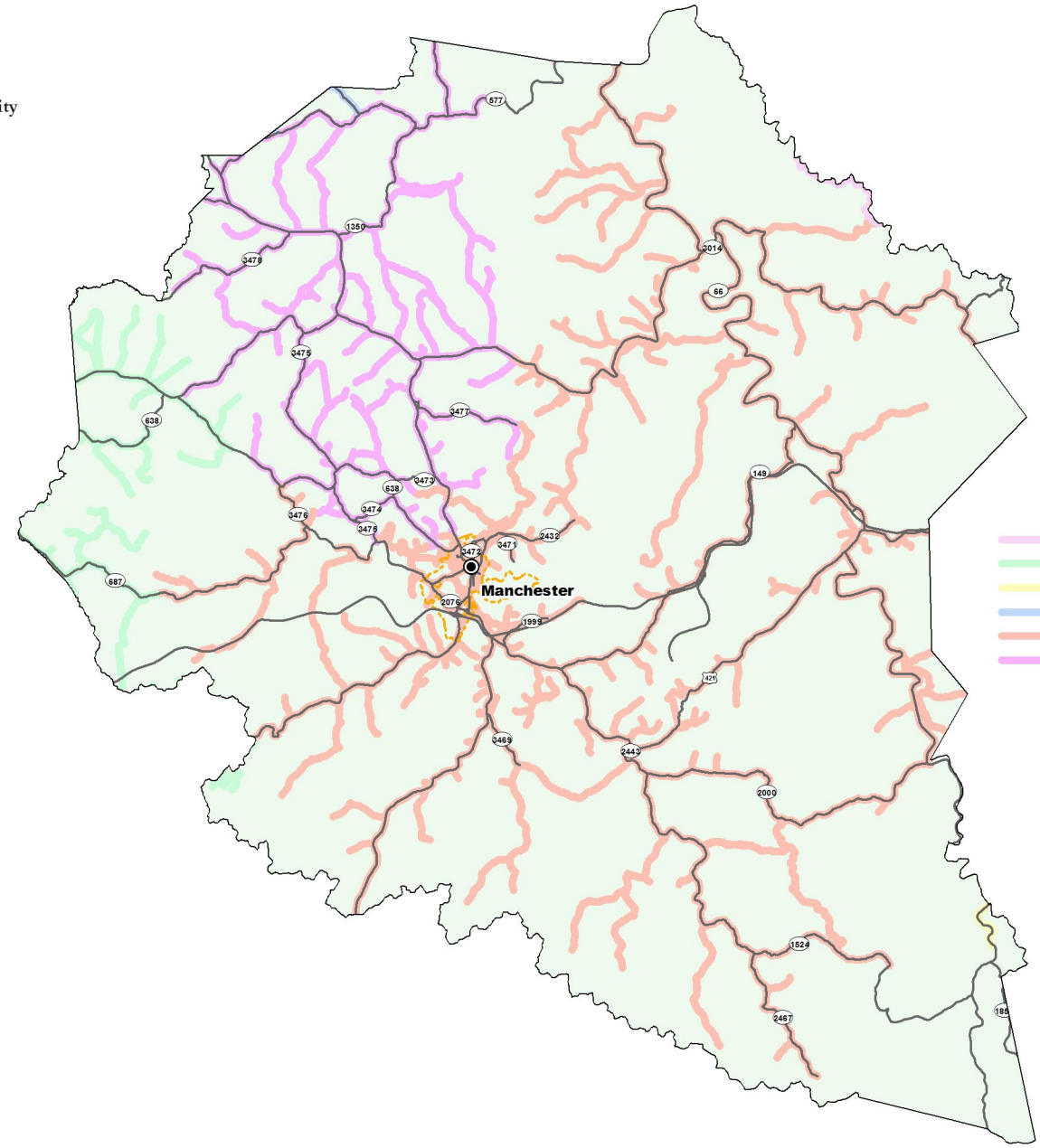
WATER SERVICE AREAS
CLAY COUNTY
Kentucky

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

- 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

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	26	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	$18.10 per 4,000 gallons.	Total Connections	4,424
Residential Customers	4,187	Total Produced (MG)	693.500
Commercial Customers	236	Total Purchased (MG)	17.396
Institutional Customers	-	Total Inside Usage (MG)	366.052
Industrial Customers	-	Total Wholesale Sold (MG)	153.309
Wholesale Customers	1	Estimated Pct. Water Loss	27%

Total Distribution System Line Length = 321.97 miles (Distribution: 316.89 miles, Transmission: 5.09 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	10	1
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	$1,000,000	Clay	18	4
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	$900,000	Clay	27	5
WX21051007	Raw Water Pump Replacement - Goose Creek Intake Phase II	3-5 Years	Not Funded	$50,000	Clay	29	3
WX21051004	High Service Line Replacement	6-10 Years	Not Funded	$1,510,000	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		
WX21051002	Horse Creek Asbestos Water Line Replacement	6-10 Years	Not Funded	$680,000	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	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$30.44 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	1,922
Residential Customers	1,922	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	153.309
Institutional Customers	-	Total Inside Usage (MG)	102.287
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%

Total Distribution System Line Length = 117.31 miles (Distribution: 117.31 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
WX21051010	New Water Meters	0-2 Years	Not Funded	$62,000	Clay	15	2
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	$900,000	Clay	27	5
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	0-2 Years	Not Funded	$526,700	Clay	37	6

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 433.79 miles of existing water lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 2.00 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: $6,533,074.
- 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 35 serviceable households will be added through the construction of 2.00 miles of water line extensions and approximately 11,481 instances of improved service through the rehabilitation of 2.00 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 Cumberland	4	$4,858,139	-	7,414	-	2.00	2.00
City of Evarts	2	$625,000	-	2,854	-	-	-
City of Lynch	3	$899,935	-	1,213	-	-	-
Green Hills Water District	1	$150,000	35	-	2.00	-	-
Totals:	**10**	**$6,533,074**	**35**	**11,481**	**2.00**	**2.00**	**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	1,010	445
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	790	369
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	758	398
KY0480262	City of Lynch	Harlan	825	490
KY0483458	Coap, Inc.	Harlan	73	31
KY0480092	Cumberland Municipal Water Works	Harlan	3,479	1,694
KY0480125	Evarts Municipal Water Plant	Harlan	3,425	1,403
KY0480178	Harlan Municipal Water Works	Harlan	4,281	2,048
		Totals:	27,997	12,934

Kentucky Infrastructure Authority
February 19, 2016

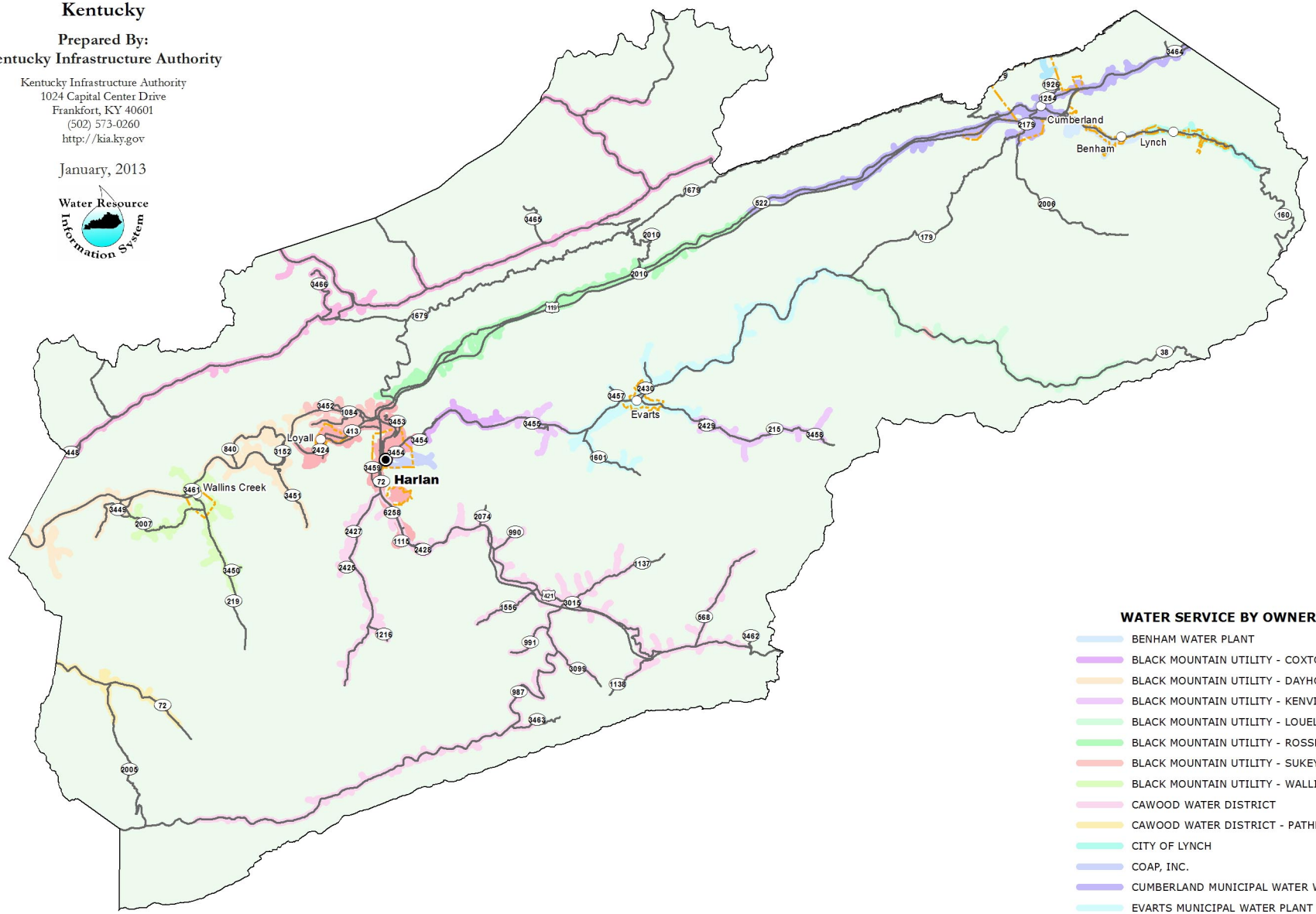
WATER SERVICE AREAS
HARLAN COUNTY
Kentucky

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	2	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$36.76 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	120
Residential Customers	120	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	27.424
Institutional Customers	-	Total Inside Usage (MG)	11.213
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	59%

Total Distribution System Line Length = 13.36 miles (Distribution: 13.36 miles, Transmission: 0.00 miles).

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

There are no immediate projects for BMUD - Ages/Coxton

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	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$36.76 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	649
Residential Customers	649	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	76.180
Institutional Customers	-	Total Inside Usage (MG)	65.234
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

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

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

There are no immediate projects for BMUD - Dayhoit

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	$42.32 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	503
Residential Customers	534	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	39.484
Institutional Customers	-	Total Inside Usage (MG)	32.561
Industrial Customers	-	Total Wholesale Sold (MG)	3.085
Wholesale Customers	1	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 45.67 miles (Distribution: 45.55 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
WX21133031	Pine Mountain Water Study	3-5 Years	Not Funded	$125,000	Letcher		10
WX21095604	Green Hills: Expansion Project	3-5 Years	Not Funded	$150,000	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	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$30.27 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	379
Residential Customers	379	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	14.851
Institutional Customers	-	Total Inside Usage (MG)	22.338
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-50%

Total Distribution System Line Length = 8.66 miles (Distribution: 8.66 miles, Transmission: 0.00 miles).

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

There are no immediate projects for BMUD - Kenvir

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	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$30.27 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	185
Residential Customers	182	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	7.917
Institutional Customers	-	Total Inside Usage (MG)	9.940
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-26%

Total Distribution System Line Length = 12.79 miles (Distribution: 12.79 miles, Transmission: 0.00 miles).

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

There are no immediate projects for BMUD - Louellen

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	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$36.76 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	615
Residential Customers	615	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	48.726
Institutional Customers	-	Total Inside Usage (MG)	42.586
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 38.95 miles (Distribution: 38.95 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for BMUD - Rosspoint

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	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$36.76 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	246
Residential Customers	245	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	37.673
Institutional Customers	-	Total Inside Usage (MG)	31.814
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 12.73 miles (Distribution: 12.73 miles, Transmission: 0.00 miles).

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

There are no immediate projects for BMUD - Sukey Ridge

System Summary for BMUD - Wallins

PWSID	KY0480572	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 1 source.
Employees	9	Wholesale Purchaser	No
Non-Municipal Cost	$36.76 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	676
Residential Customers	676	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	44.120
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	

Total Distribution System Line Length = 19.71 miles (Distribution: 19.42 miles, Transmission: 0.28 miles).

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

There are no immediate projects for BMUD - Wallins

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	7	Wholesale Purchaser	No
Non-Municipal Cost	$34.40 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	1,469
Residential Customers	1,459	Total Produced (MG)	153.170
Commercial Customers	10	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	92.729
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	39%

Total Distribution System Line Length = 85.40 miles (Distribution: 85.40 miles, Transmission: 0.00 miles).

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

There are no immediate projects for Cawood Water District

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	10	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$41.61 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	152
Residential Customers	152	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	7.031
Institutional Customers	-	Total Inside Usage (MG)	6.424
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

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	$37.61 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$37.61 per 4,000 gallons.	Total Connections	356
Residential Customers	330	Total Produced (MG)	38.857
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	15.584
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	60%

Total Distribution System Line Length = 9.23 miles (Distribution: 9.23 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	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$44.90 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	323
Residential Customers	317	Total Produced (MG)	77.719
Commercial Customers	6	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	73.606
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 9.88 miles (Distribution: 8.45 miles, Transmission: 1.43 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	1	1
WX21095009	Raw Water Meters	0-2 Years	Not Funded	$7,285	Harlan	25	5
WX21095638	City of Lynch - Water Treatment Plant Rehabilitation	3-5 Years	Partially Funded	$500,000	Harlan		
WX21095006	Tri-Cities Interconnect Phase 2	0-2 Years	Not Funded	$470,330	Harlan		

System Summary for Coap, Inc.

PWSID	KY0483458	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Private Non-Profit	Groundwater Source	No
Employees	-	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	11
Residential Customers	12	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	0.457
Institutional Customers	-	Total Inside Usage (MG)	0.495
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-8%

Total Distribution System Line Length = 2.25 miles (Distribution: 2.25 miles, Transmission: 0.00 miles).

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

There are no immediate projects for Coap, Inc.

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	1,189
Residential Customers	957	Total Produced (MG)	191.136
Commercial Customers	101	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	63.190
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	67%

Total Distribution System Line Length = 48.07 miles (Distribution: 48.07 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	3	2
WX21095666	City of Cumberland Water Treatment Plant Upgrades (Was WX21095662)	0-2 Years	Not Funded	$1,750,000	Harlan	36	4
WX21095670	City of Cumberland 10 Inch Waterline Upgrade	0-2 Years	Not Funded	$973,809	Harlan		
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	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$25.50 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$30.75 per 4,000 gallons.	Total Connections	1,053
Residential Customers	1,040	Total Produced (MG)	198.018
Commercial Customers	10	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	121.889
Industrial Customers	-	Total Wholesale Sold (MG)	37.276
Wholesale Customers	3	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 37.71 miles (Distribution: 37.71 miles, Transmission: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21095004	Raw Water/WTP Rehab	3-5 Years	Not Funded	$350,000	Harlan		
WX21095642	Raw Water Suppily Line for Evarts Water Plant	0-2 Years	Not Funded	$275,000	Harlan		

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	12	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 5 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	2,014
Residential Customers	1,706	Total Produced (MG)	378.049
Commercial Customers	303	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	118.899
Industrial Customers	-	Total Wholesale Sold (MG)	175.952
Wholesale Customers	5	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 45.06 miles (Distribution: 44.75 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 443.23 miles of existing water lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 1.00 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: $9,021,410.
- 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 98 serviceable households will be added through the construction of 22.00 miles of water line extensions and approximately 3,008 instances of improved service through the rehabilitation of 1.00 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 McKee	2	$2,355,000	-	591	1.00	-	-
Jackson County Water Association Inc	2	$6,666,410	98	2,417	21.00	1.00	8.00
Totals:	**4**	**$9,021,410**	**98**	**3,008**	**22.00**	**1.00**	**8.00**

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	845	447
KY0550209	Jackson County Water Association Inc	Jackson	11,461	5,441
KY0260266	North Manchester Water Association Inc	Clay	28	15
KY0630477	Wood Creek Water District	Laurel	136	64
KY0950036	Booneville Water and Sewer	Owsley	65	34
KY1020288	Eastern Rockcastle County Water Association	Rockcastle	184	96
		Totals:	12,719	6,097

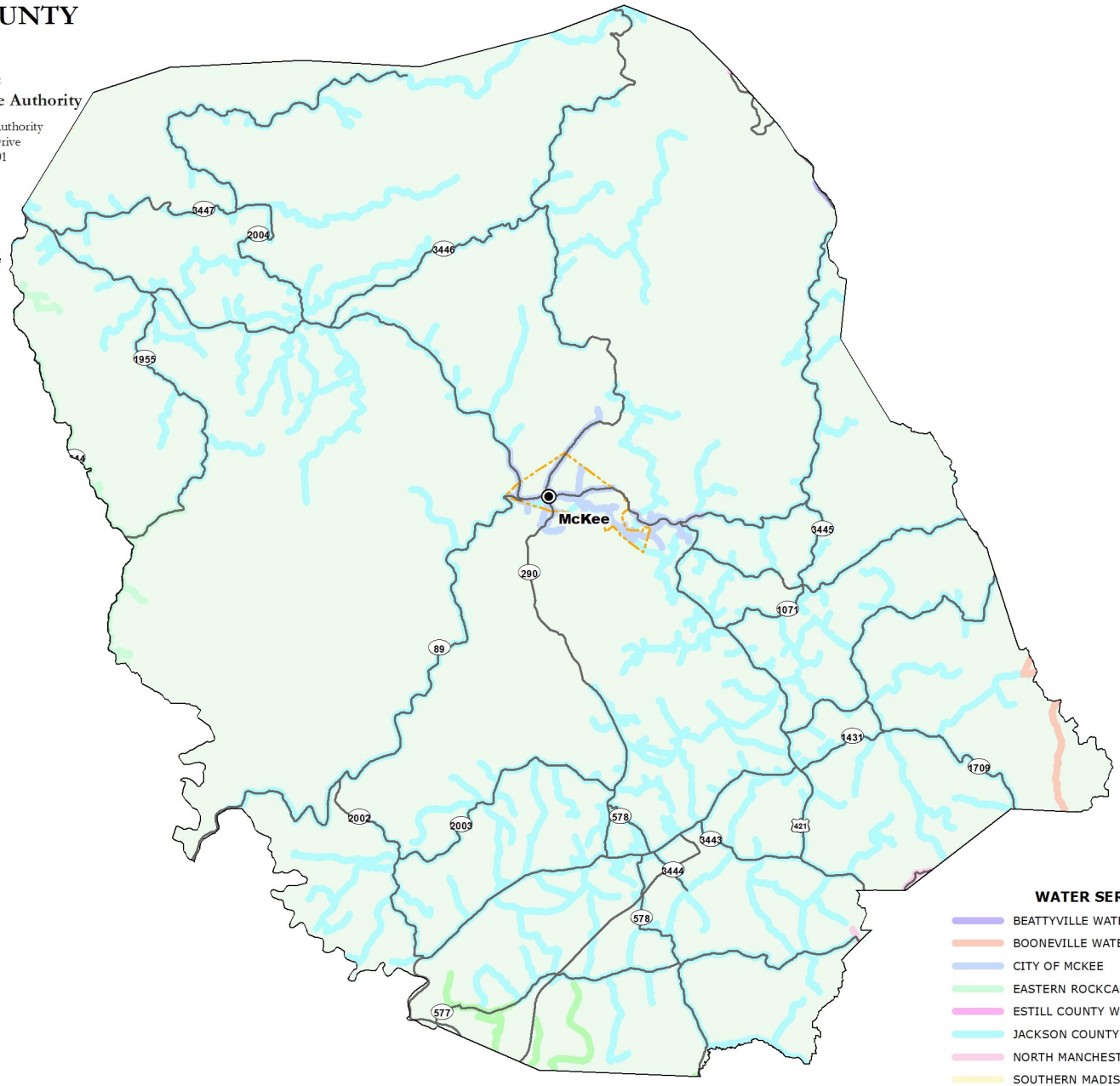
Kentucky Infrastructure Authority
February 19, 2016

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 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	4	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	341
Residential Customers	267	Total Produced (MG)	53.098
Commercial Customers	74	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	18.959
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	64%
Total Distribution System Line Length = 17.85 miles (Distribution: 17.60 miles, Transmission: 0.25 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	17	1
WX21109005	Water Treatment Plant Improvements	0-2 Years	Not Funded	$530,000	Jackson	20	3

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	$39.80 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	5,404
Residential Customers	5,169	Total Produced (MG)	370.516
Commercial Customers	220	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	277.006
Industrial Customers	11	Total Wholesale Sold (MG)	28.854
Wholesale Customers	4	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 411.48 miles (Distribution: 396.34 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
WX21109003	Jackson County Water Association - Water Line Extensions	3-5 Years	Not Funded	$1,366,410	Jackson	6	2
WX21109722	Jackson County Water Association – Transmission Main from McKee to Sandgap and Morill Water Line Improvements	0-2 Years	Not Funded	$5,300,000	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 584.65 miles of existing water lines.
- 41.00 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: $6,808,500.
- 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 41 serviceable households will be added through the construction of 41.00 miles of water line extensions and approximately 300 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			
Barbourville Utility Commission	3	$3,945,250	-	300	-	3.00	-
City of Corbin	2	$1,065,750	-	-	1.00	-	-
Knox County Fiscal Court	1	$2,777,500	40	-	40.00	-	-
Knox County Utility Commission	1	$250,000	1	-	-	-	-
Totals:	**7**	**$8,038,500**	**41**	**300**	**41.00**	**3.00**	**-**

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	67	29
		Totals:	31,117	14,133

Kentucky Infrastructure Authority
February 19, 2016

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KNOX COUNTY
Kentucky

Prepared By:
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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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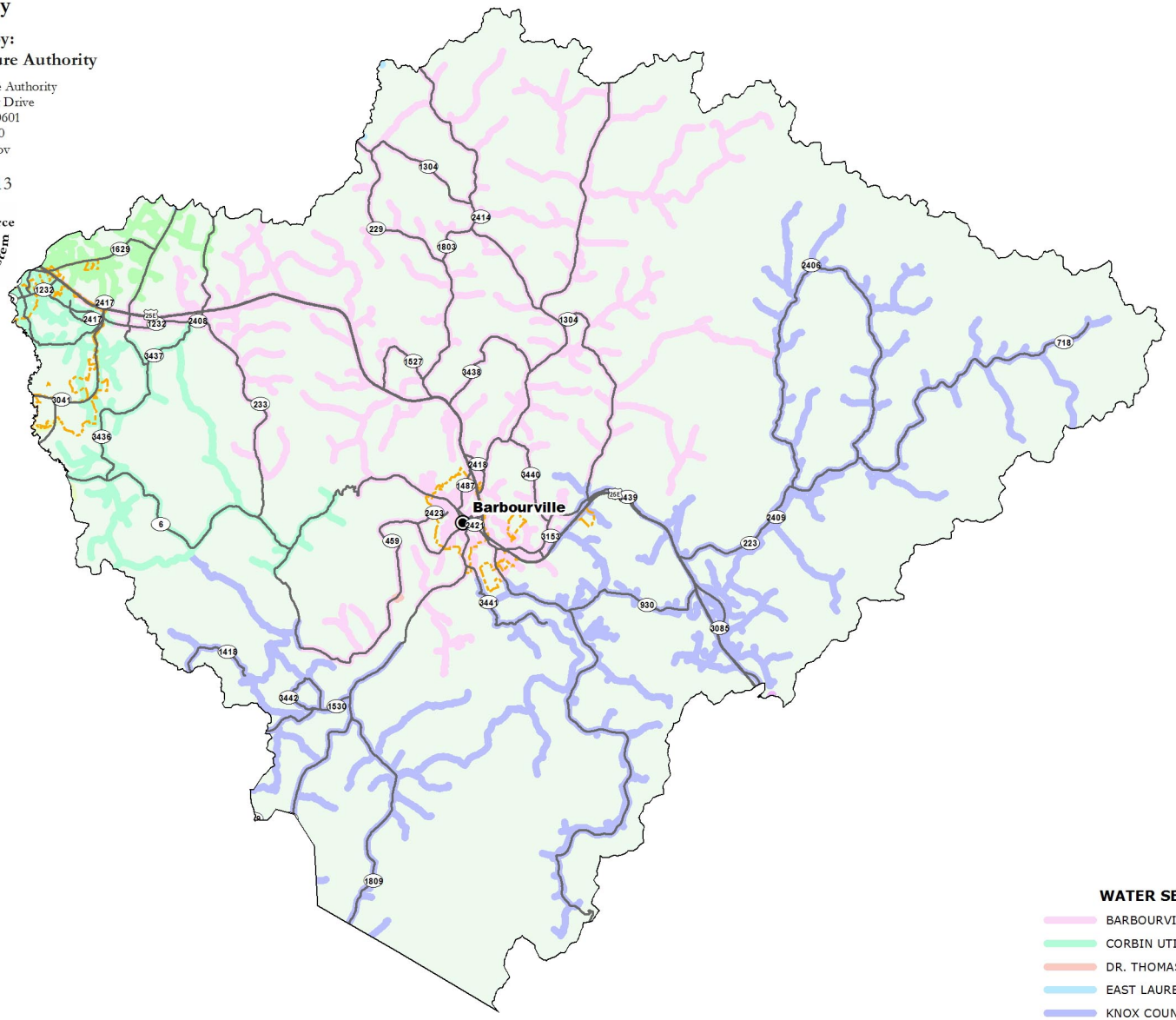
Water Resource Information System



WATER SERVICE BY OWNER

- 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	24	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$21.21 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$28.68 per 4,000 gallons.	Total Connections	6,311
Residential Customers	5,728	Total Produced (MG)	657.121
Commercial Customers	582	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	408.454
Industrial Customers	-	Total Wholesale Sold (MG)	5.712
Wholesale Customers	1	Estimated Pct. Water Loss	37%

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
WX21121004	Barbourville - Wal-Mart Tank Replacement	0-2 Years	Not Funded	$666,000	Knox	4	2
WX21121006	Barbourville - KY 1527 Waterline Replacement	0-2 Years	Not Funded	$279,250	Knox	11	1
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	$3,000,000	Knox	19	4

Knox County (continued)

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	9	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$33.73 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	2,818
Residential Customers	2,712	Total Produced (MG)	100.601
Commercial Customers	54	Total Purchased (MG)	95.367
Institutional Customers	-	Total Inside Usage (MG)	169.967
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 230.60 miles (Distribution: 230.60 miles, Transmission: 0.00 miles).

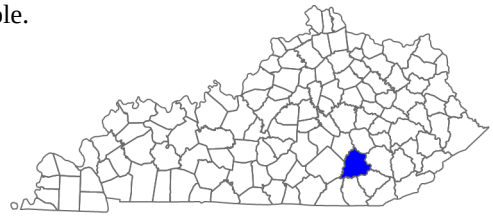
MG = Million Gallons.
MGD = Million Gallons per Day.

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	7	2
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	$2,777,500	Knox	9	5
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	$3,000,000	Knox	19	4
WX21121550	Rehab of The Water Treatment Plant	6-10 Years	Not Funded	$250,000	Knox		

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 1,056.44 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- 34.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $21,623,502.
- 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 5,897 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 136,490 instances of improved service through the rehabilitation of 10.00 miles of existing water lines and other appurtenances. 34.00 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	6	$1,330,036	5,872	10,270	4.00	2.00	-
London Utility Commission	1	$127,658	-	40	-	1.00	-
West Laurel Water Association Inc	7	$4,715,608	10	27,080	6.00	-	3.00
Wood Creek Water District	8	$7,410,000	5	47,300	1.00	-	15.00
Totals:	**29**	**$21,694,502**	**5,897**	**136,490**	**13.00**	**10.00**	**34.00**

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	12,165	5,125
KY0630238	Laurel Water District #2	Laurel	12,298	5,202
KY0630255	London Utility Commission	Laurel	9,130	4,144
KY0630451	West Laurel Water Association	Laurel	12,285	5,284
KY0630477	Wood Creek Water District	Laurel	11,610	5,066
KY1180085	Corbin Utilities Commission	Whitley	870	400
		Totals:	58,358	25,221

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
LAUREL 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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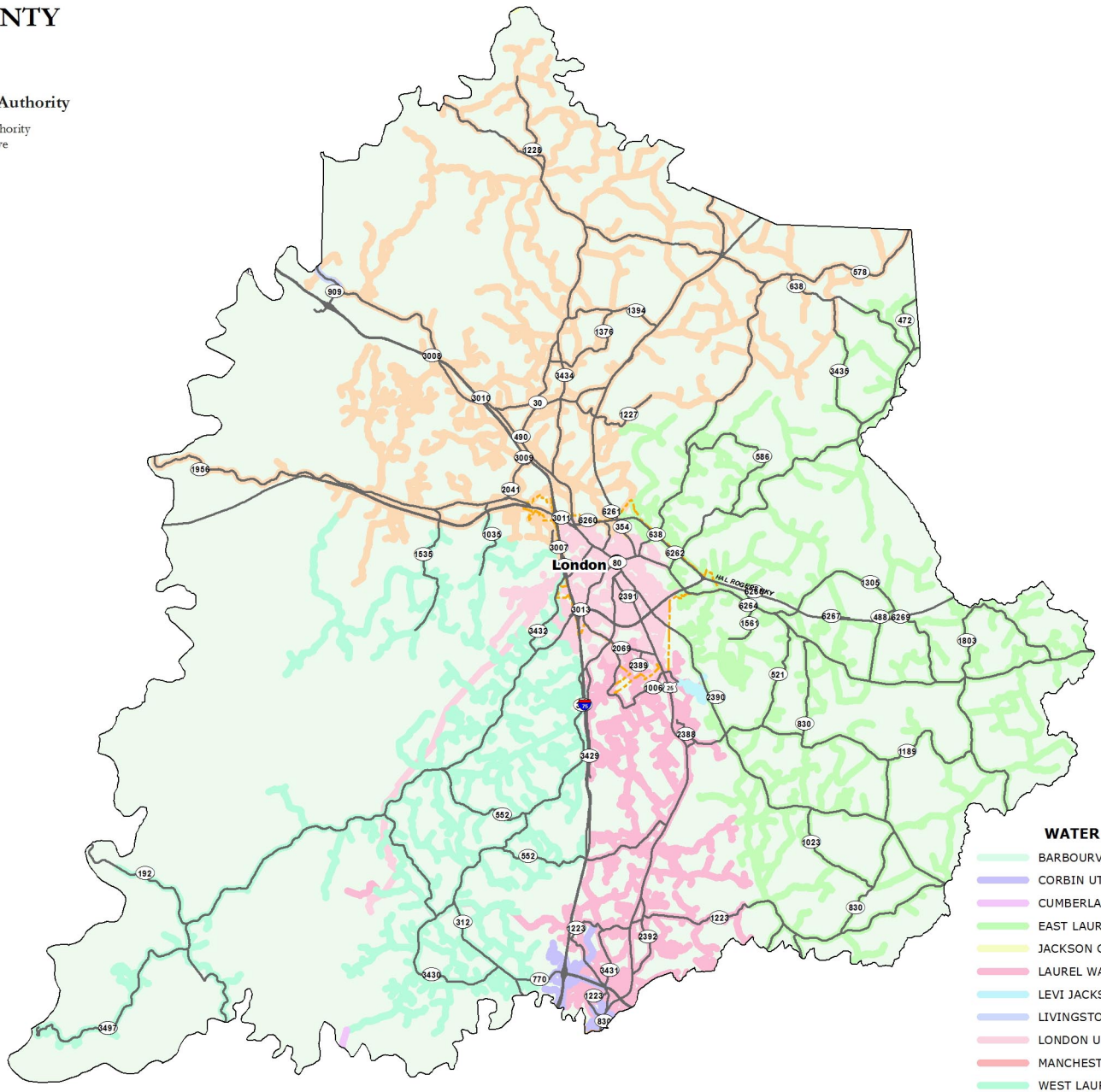
Water Resource Information System



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	$35.03 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	5,449
Residential Customers	5,197	Total Produced (MG)	-
Commercial Customers	251	Total Purchased (MG)	450.545
Institutional Customers	-	Total Inside Usage (MG)	360.899
Industrial Customers	-	Total Wholesale Sold (MG)	17.396
Wholesale Customers	1	Estimated Pct. Water Loss	16%

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	16	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$22.49 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	5,939
Residential Customers	5,586	Total Produced (MG)	532.971
Commercial Customers	344	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	449.639
Industrial Customers	9	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 194.78 miles (Distribution: 187.50 miles, Transmission: 7.28 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
WX21125007	Bakersfield Subdivision Water Line Upgrade Project	3-5 Years	Not Funded	$179,693	Laurel	16	2
WX21125009	Meadowlane Subdivision Water Line Extension Project	3-5 Years	Not Funded	$198,662	Laurel	30	4
WX21125013	Hammock-Foly-SR1223 Loop Lines Project	3-5 Years	Not Funded	$195,164	Laurel	31	5
WX21125014	HWY 552 and Robinson Creek Road Loop Lines Project	3-5 Years	Not Funded	$221,517	Laurel	34	7
WX21125553	Water System Extension Project	3-5 Years	Not Funded	$310,000	Laurel	39	6
WX21125578	LCWD #2 WTP & Raw Water Pump Emergency Generators Project	3-5 Years	Not Funded	$225,000	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	32	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$16.40 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$24.58 per 4,000 gallons.	Total Connections	4,572
Residential Customers	3,483	Total Produced (MG)	630.048
Commercial Customers	1,052	Total Purchased (MG)	-
Institutional Customers	36	Total Inside Usage (MG)	469.721
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 105.75 miles (Distribution: 94.15 miles, Transmission: 11.60 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	21	3

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	$32.35 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	5,068
Residential Customers	4,947	Total Produced (MG)	-
Commercial Customers	120	Total Purchased (MG)	354.105
Institutional Customers	-	Total Inside Usage (MG)	266.136
Industrial Customers	-	Total Wholesale Sold (MG)	29.962
Wholesale Customers	1	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 219.74 miles (Distribution: 219.11 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		
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	35	Wholesale Purchaser	No
Non-Municipal Cost	$33.85 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	5,242
Residential Customers	4,855	Total Produced (MG)	1,469.888
Commercial Customers	384	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	362.605
Industrial Customers	-	Total Wholesale Sold (MG)	825.011
Wholesale Customers	3	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 300.80 miles (Distribution: 293.99 miles, Transmission: 6.81 miles).			

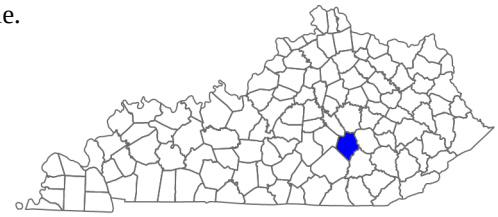
MG = Million Gallons.
MGD = Million Gallons per Day.

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
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		
WX21125565	Wood Creek Water District - Generators	3-5 Years	Not Funded	$1,400,000	Laurel		
WX21125542	Wood Creek Water District - Watershed Protection Project #1	3-5 Years	Partially Funded	$1,250,000	Laurel		
WX21125525	Wood Creek Water District Sys Improvements #5	3-5 Years	Not Funded	$570,000	Laurel		
WX21125477	Wood Creek Water District - Watershed Protection Project #7	3-5 Years	Not Funded	$310,000	Laurel		
WX21125478	Wood Creek Water District - Watershed Protection Project #8	3-5 Years	Not Funded	$130,000	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 470.73 miles of existing water lines.
- 13.00 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: $8,366,976.
- Estimated funding needs for projects from 6 to 10 years: $52,500.



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 19 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 3,052 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	1	$800,000	-	2,001	-	-	-
Eastern Rockcastle Water Association Inc	1	$35,800	-	-	-	-	-
Jackson County Water Association Inc	1	$5,300,000	-	8	-	1.00	-
Western Rockcastle Water Association Inc	2	$1,095,176	19	525	13.00	1.00	-
Totals:	**7**	**$8,419,476**	**19**	**3,052**	**13.00**	**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	1,510	679
KY1020299	City of Mount Vernon	Rockcastle	4,404	2,026
KY1020288	Eastern Rockcastle County Water Association	Rockcastle	1,400	683
KY1020253	Livingston Municpal Water Works	Rockcastle	383	196
KY1020891	Western Rockcastle Water Association	Rockcastle	8,679	3,805
KY0550209	Jackson County Water Association Inc	Jackson	65	35
		Totals:	16,441	7,424

Kentucky Infrastructure Authority
February 19, 2016

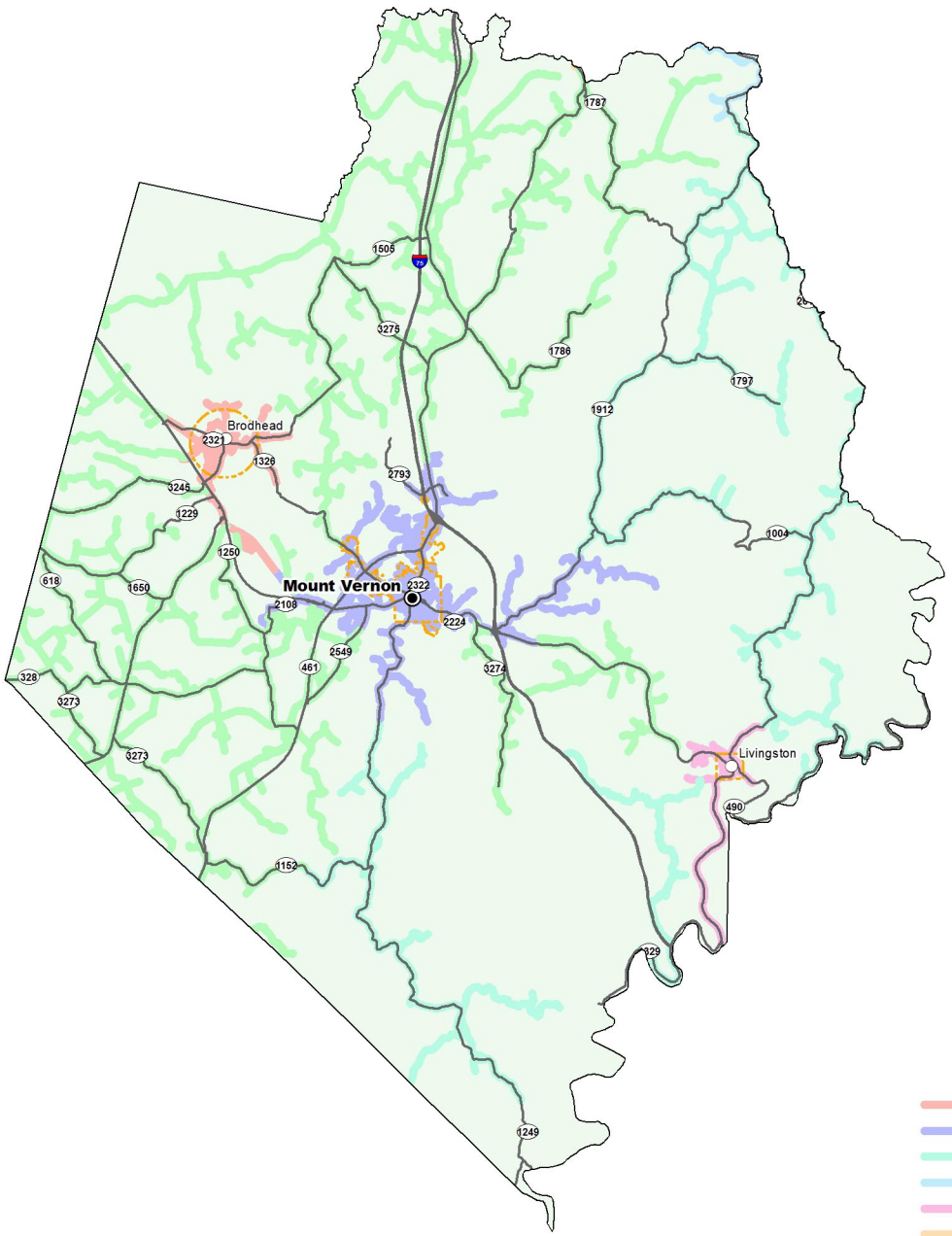
WATER SERVICE AREAS
ROCKCASTLE COUNTY
Kentucky

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	3	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	531
Residential Customers	514	Total Produced (MG)	-
Commercial Customers	15	Total Purchased (MG)	46.557
Institutional Customers	-	Total Inside Usage (MG)	39.790
Industrial Customers	1	Total Wholesale Sold (MG)	6.796
Wholesale Customers	1	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 19.09 miles (Distribution: 19.09 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	5	4

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	$18.22 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$22.56 per 4,000 gallons.	Total Connections	2,202
Residential Customers	1,876	Total Produced (MG)	656.774
Commercial Customers	291	Total Purchased (MG)	-
Institutional Customers	24	Total Inside Usage (MG)	134.655
Industrial Customers	11	Total Wholesale Sold (MG)	317.173
Wholesale Customers	3	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 80.71 miles (Distribution: 80.35 miles, Transmission: 0.36 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
WX21203005	Mount Vernon - Phase #3 - Water Treatment Plant Improvements	3-5 Years	Not Funded	$800,000	Rockcastle	26	3

System Summary for Eastern Rockcastle County Water Association

PWSID	KY1020288	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$44.54 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	611
Residential Customers	611	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	40.584
Institutional Customers	-	Total Inside Usage (MG)	18.986
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	53%

Total Distribution System Line Length = 100.84 miles (Distribution: 100.77 miles, Transmission: 0.07 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Eastern Rockcastle 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	17	6
WX21203009	Eastern Rockcastle - Meter Replacement and Radio Read Meters	0-2 Years	Not Funded	$35,800	Rockcastle	33	2

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	168
Residential Customers	168	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	20.361
Institutional Customers	-	Total Inside Usage (MG)	8.321
Industrial Customers	-	Total Wholesale Sold (MG)	2.917
Wholesale Customers	1	Estimated Pct. Water Loss	45%
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
WX21203534	Livingston Ky - Water System Debt Reduction	6-10 Years	Not Funded	$52,500	Rockcastle	35	1
WX21203538	City of Livingston - Wood Creek Water Connection	3-5 Years	Not Funded	$1,096,000	Laurel		

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	10	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	3,809
Residential Customers	3,786	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	264.881
Institutional Customers	-	Total Inside Usage (MG)	211.984
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 337.43 miles (Distribution: 337.43 miles, Transmission: 0.00 miles).

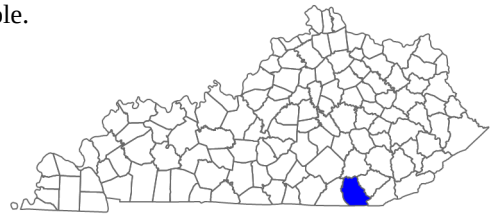
MG = Million Gallons.
MGD = Million Gallons per Day.

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	$568,000	Rockcastle		
WX21203554	Western Rockcastle Water Line Extensions & Improvements	0-2 Years	Partially Funded	$527,176	Rockcastle		

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 668.46 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: $4,275,487.
- 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 79 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 4,875 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 Corbin	1	$980,000	1	10	2.00	-	-
City of Williamsburg	2	$3,350,000	-	4,650	-	-	-
Knox County Utility Commission	1	$709,260	50	-	5.00	-	-
McCreary County Water District	2	$2,078,727	4	4	2.00	1.00	-
Whitley County Water District	2	$1,387,500	24	211	4.00	11.00	-
Totals:	**8**	**$8,505,487**	**79**	**4,875**	**13.00**	**12.00**	**-**

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	8,120	3,671
KY1180093	Cumberland Falls Highway Water District	Whitley	8,953	3,717
KY1180468	Whitley County Water District	Whitley	11,072	4,763
KY1183728	Whitley County Water District - 92 West	Whitley	453	193
KY1180471	Williamsburg Municipal WTP	Whitley	5,105	1,917
KY0070353	Pineville Water System	Bell	227	101
KY0610110	Knox County Utility Commission	Knox	607	314
		Totals:	34,537	14,676

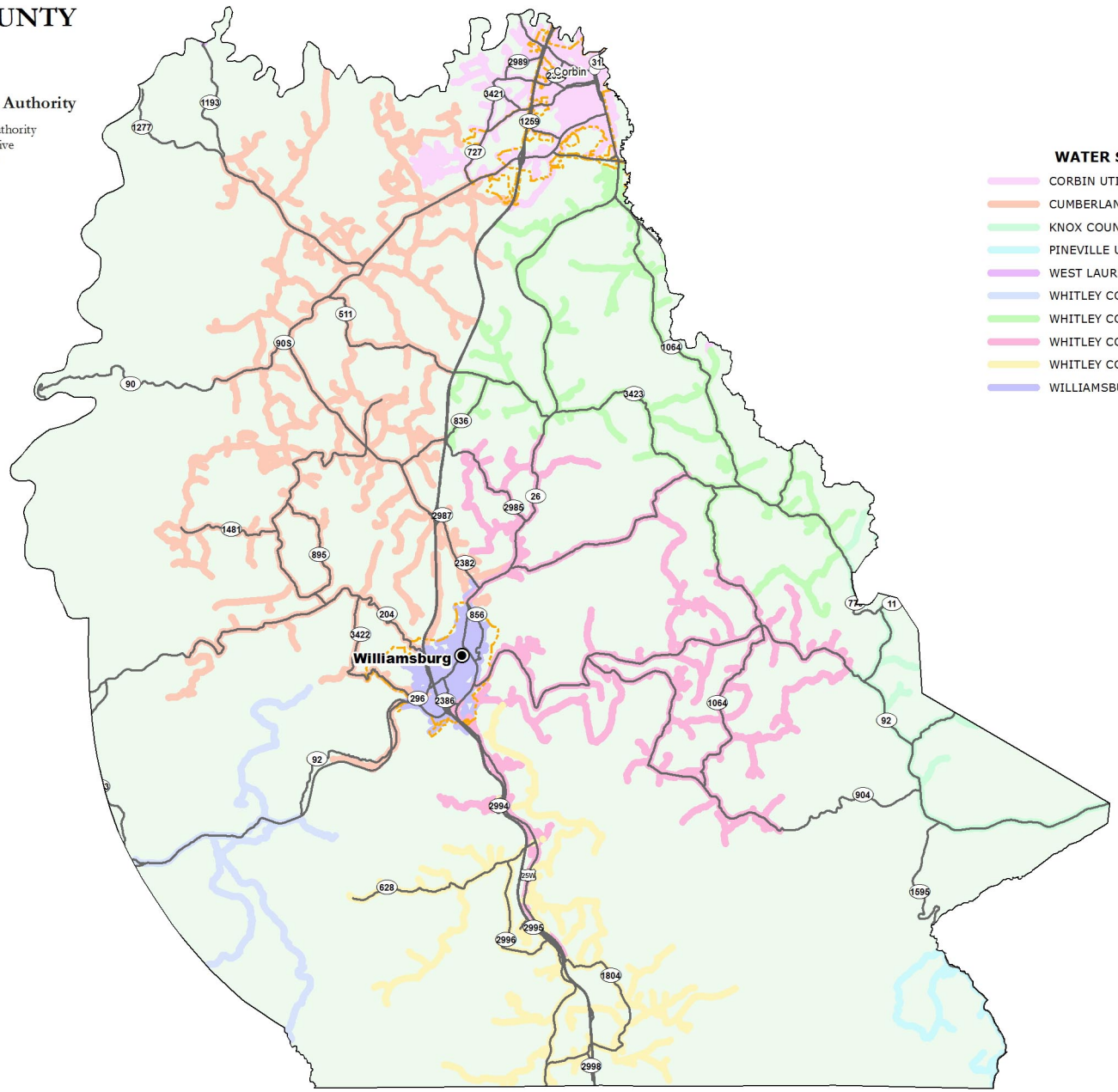
Kentucky Infrastructure Authority
February 19, 2016

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



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	$11.42 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$19.45 per 4,000 gallons.	Total Connections	6,420
Residential Customers	5,424	Total Produced (MG)	969.483
Commercial Customers	990	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	584.606
Industrial Customers	6	Total Wholesale Sold (MG)	319.706
Wholesale Customers	3	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 183.69 miles (Distribution: 182.23 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
WX21121009	Water Extension to Grace Community Health Facility	0-2 Years	Not Funded	$85,750	Knox	13	3
WX21121724	Corbin By-Pass (KY 3041) Water Line Extension	6-10 Years	Not Funded	$980,000	Whitley		

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	7	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	3,205
Residential Customers	3,114	Total Produced (MG)	-
Commercial Customers	56	Total Purchased (MG)	247.463
Institutional Customers	31	Total Inside Usage (MG)	209.231
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 190.29 miles (Distribution: 189.17 miles, Transmission: 1.13 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	23	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	8	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$40.97 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	935
Residential Customers	3,714	Total Produced (MG)	-
Commercial Customers	132	Total Purchased (MG)	91.451
Institutional Customers	8	Total Inside Usage (MG)	153.984
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-68%
Total Distribution System Line Length = 280.90 miles (Distribution: 280.61 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
WX21235005	Upper Lot Mud Creek Road Water Line Extension	0-2 Years	Not Funded	$450,000	Whitley	12	4
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	$100,000	Whitley	23	1
WX21235434	Whitley County: Water System Improvements	3-5 Years	Partially Funded	$937,500	Whitley		

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	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$40.97 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	122
Residential Customers	122	Total Produced (MG)	-
Commercial Customers	1	Total Purchased (MG)	5.600
Institutional Customers	-	Total Inside Usage (MG)	5.665
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-1%

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	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$21.64 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$36.00 per 4,000 gallons.	Total Connections	1,793
Residential Customers	1,566	Total Produced (MG)	425.395
Commercial Customers	206	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	164.115
Industrial Customers	1	Total Wholesale Sold (MG)	67.106
Wholesale Customers	2	Estimated Pct. Water Loss	46%
Total Distribution System Line Length = 46.29 miles (Distribution: 45.89 miles, Transmission: 0.40 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	23	1
WX21235803	Williamsburg - Phase III Water System Improvements	6-10 Years	Not Funded	$3,250,000	Whitley	38	5

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).
- 2,419.00 miles of existing water lines.
- 59.00 miles of line extensions proposed in the next 10 years.
- 22.00 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: $56,942,523.
- Estimated funding needs for projects from 6 to 10 years: $236,400.
- Average age of structures: water treatment plants is 34 years; water tanks is 28 years.
- Total number of interconnected systems is 17.
- 47 miles of asbestos concrete pipe currently in use.
- 467 miles of water lines less than 15 years old.
- 729 miles of water lines between 15 and 30 years old.
- 998 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 1,816 serviceable households will be added through the construction of 59.00 miles of water line extensions and approximately 94,421 instances of improved service through the rehabilitation of 22.00 miles of existing water lines and other appurtenances. 11.00 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%	$ 7,200,475
Carter	27,720	12,311	28,459	11,508	11,591	94%	$ 9,099,000
Elliott	7,852	3,371	8,078	3,011	3,108	92%	$ 1,500,000
Greenup	36,910	16,330	36,923	15,046	15,125	93%	$ 36,569,448
Lawrence	15,860	7,286	16,192	6,647	6,604	91%	$ 2,810,000
Totals	**137,884**	**61,101**	**139,098**	**56,252**	**58,168**	**95%**	**$ 57,178,923**

Kentucky Infrastructure Authority
February 19, 2016

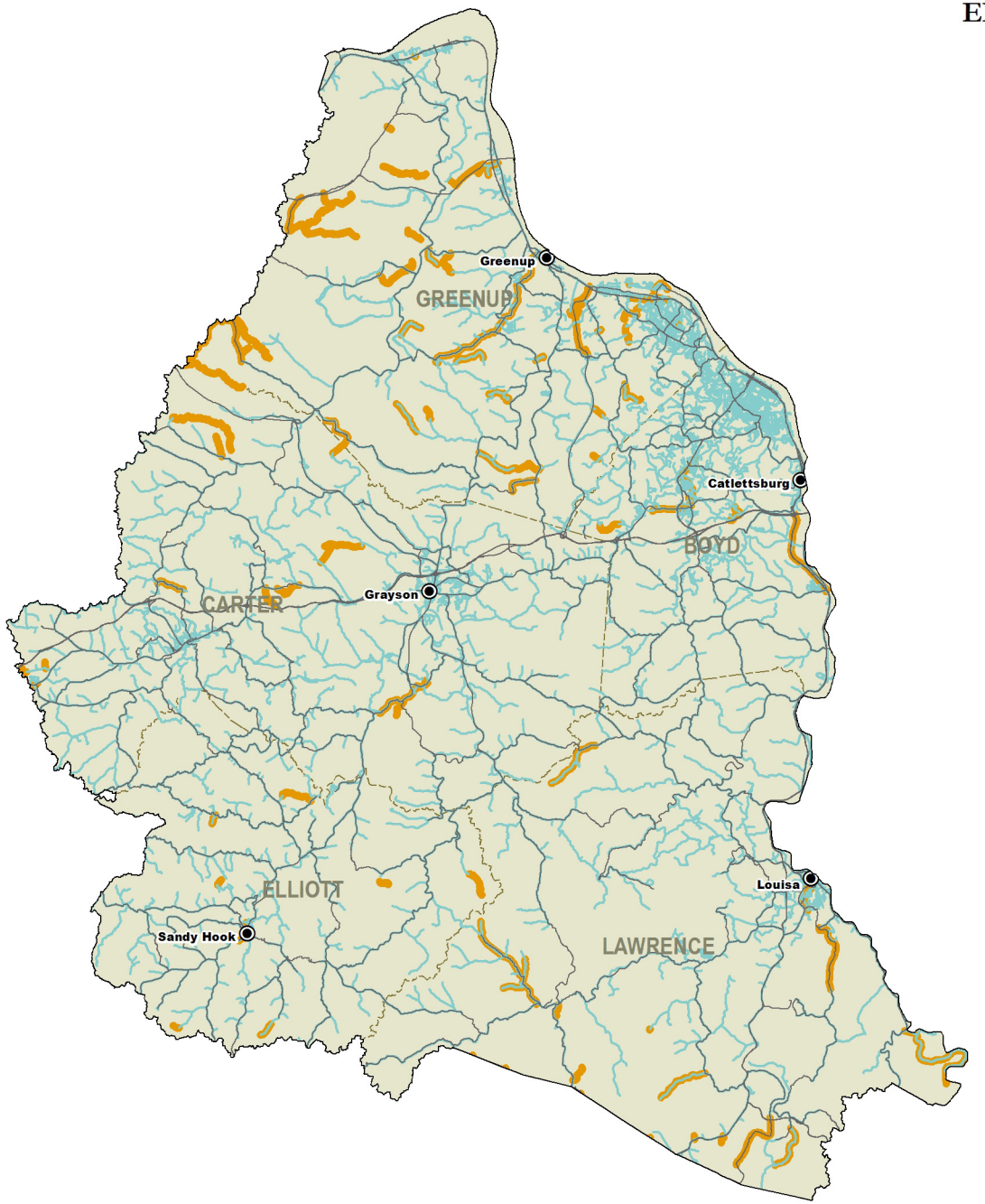
EXISTING & PROPOSED WATER LINES

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	13,720	5,935
KY0100064	Cannonsburg Water District	Boyd	8,953	3,715
KY0100011	City of Ashland	Boyd	35,811	16,135
KY0100004	Overland Development Inc. - Lockwood Estates	Boyd	278	108
KY0220335	City of Olive Hill	Carter	4,964	2,338
KY0220164	Grayson Utility Commission	Carter	10,817	4,588
KY0220555	Rattlesnake Ridge Water District	Carter	11,396	5,191
KY0320383	Sandy Hook Water District	Elliott	3,722	1,514
KY0450132	City of Flatwoods	Greenup	8,030	3,553
KY0450169	City of Greenup	Greenup	10,299	4,478
KY0450365	City of Raceland	Greenup	3,185	1,446
KY0450376	City of Russell	Greenup	4,893	2,141
KY0450410	City of South Shore	Greenup	4,615	2,180
KY0450478	City of Worthington	Greenup	1,613	684
KY0450479	City of Wurtland	Greenup	1,476	632
KY0640257	City of Louisa	Lawrence	5,476	2,474
		Totals:	129,248	57,112

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089013	Greenup: New Water Intake Structure	3-5 Years	Partially Funded	$4,900,000	Greenup	1	2
WX21089090	City of Russell 500,000 Gallon Water Tank	0-2 Years	Not Funded	$1,000,000	Greenup	2	1
WX21019047	Ashland: Debord Hill Water Tank Upgrade	0-2 Years	Not Funded	$900,000	Boyd	3	1
WX21043028	RRWD: Carter County Line Extensions	3-5 Years	Not Funded	$1,500,000	Carter	4	1
WX21127021	Downtown Water Rehab Project	0-2 Years	Not Funded	$700,000	Lawrence	5	2
WX21089011	Russell: New Water Treatment Plant	0-2 Years	Not Funded	$16,000,000	Greenup	6	5
WX21019050	Boyd and Lawrence County Regional Water Treatment Plant - Feasibility Study	0-2 Years	Not Funded	$10,000	Boyd	7	2
WX21043042	Olive Hill: New Backwash Pump at WTP	0-2 Years	Not Funded	$85,000	Carter	8	2
WX21063008	Well Rehabilitation	3-5 Years	Not Funded	$258,000	Elliott	9	1
WX21089005	Worthington: Clean out Wells to Increase Output	6-10 Years	Not Funded	$71,400	Greenup	10	3
WX21127006	Louisa WTP Water Intake Improvements Phase 2	3-5 Years	Not Funded	$1,385,000	Lawrence	11	1
WX21089089	City of South Shore Water System Improvement Project	0-2 Years	Not Funded	$1,546,000	Greenup	12	7
WX21127022	Kentucky 645 Water Extension Project	0-2 Years	Unknown	$0	Lawrence	13	3
WX21043037	Grayson: WTP Flocculation & Clarification System	0-2 Years	Not Funded	$2,638,000	Carter	14	3
WX21089091	City of Flatwoods New 250,000 Gallon Water Storage Tank	0-2 Years	Not Funded	$700,000	Greenup	15	4
WX21043041	Olive Hill: Replace Downtown Area Water Line	3-5 Years	Not Funded	$883,000	Carter	16	4
WX21043038	Grayson: WTP Emergency Power Generators	0-2 Years	Not Funded	$333,000	Carter	17	5
WX21019040	CWD: Waterline Loop for Fair Ground Road	0-2 Years	Not Funded	$50,000	Boyd	18	3
WX21089061	Raceland: Relocate RR Water Main to Corkey Lane	0-2 Years	Not Funded	$236,100	Greenup	19	6
WX21089077	Greenup: Downtown Greenup Water System Upgrades	0-2 Years	Not Funded	$1,500,000	Greenup	20	8
WX21089075	South Shore: Killen Hollow Water Tank Upgrade with Line Extensions	0-2 Years	Not Funded	$500,000	Greenup	21	21
WX21089092	City of Flatwoods New Interconnect Project	3-5 Years	Unknown	$0	Greenup	22	11
WX21043043	Olive Hill: New Road Hill Waterline Rehab Project	3-5 Years	Not Funded	$300,000	Carter	23	6
WX21043027	Olive Hill: Pressure Upgrade for Charlie Branch & Last Resort	3-5 Years	Not Funded	$20,000	Carter	24	7
WX21089072	Worthington: Valve Replacement Project Systemwide	3-5 Years	Not Funded	$20,800	Greenup	25	9
WX21089065	Raceland: Leak Detection Survey for Water Loss Abatement	0-2 Years	Not Funded	$19,488	Greenup	26	10
WX21089023	Wurtland: Isolation Valves for Entire Water Distribution System	0-2 Years	Fully Funded	$30,000	Greenup	27	12
WX21089093	City of Flatwoods Water Tank Rehab Project	3-5 Years	Unknown	$0	Greenup	28	13
WX21089053	Raceland: System Loop along US 23 from Caroline Rd to Buckenham	0-2 Years	Not Funded	$395,500	Greenup	29	14
WX21089095	City of Worthington New 100,000 Gallon Water Tank	0-2 Years	Unknown	$0	Greenup	30	15
WX21089049	Raceland: Chlorine Booster Stations and Telemetry System	0-2 Years	Not Funded	$125,000	Greenup	31	17
WX21089097	City of Russell Downtown Water Main Upgrade Project	0-2 Years	Unknown	$0	Greenup	32	19
WX21089041	Worthington: Calumet Causeway Water Project	0-2 Years	Not Funded	$55,000	Greenup	33	20
WX21089024	Wurtland: Adena Water Tank Security	0-2 Years	Not Funded	$15,000	Greenup	34	16

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089040	Worthington: Worthington Ave & Prospect Ave Loop	0-2 Years	Not Funded	$110,000	Greenup	35	18
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	$50,000	Greenup	36	22
			Total Cost:	**$36,336,288**			

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 547.73 miles of existing water lines.
- There are no 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: $7,200,475.
- 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 40,181 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			
Big Sandy Water District	1	$725,000	-	3	-	-	-
Cannonsburg Water District	8	$5,170,475	-	30,178	-	8.00	1.00
City of Ashland	2	$1,305,000	-	10,000	-	-	-
Totals:	**11**	**$7,200,475**	**-**	**40,181**	**-**	**8.00**	**1.00**

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	4,549	1,832
KY0100064	Cannonsburg Water District	Boyd	8,492	3,519
KY0100011	City of Ashland	Boyd	35,687	16,082
KY0100004	Overland Development Inc. - Lockwood Estates	Boyd	278	108
KY0450376	City of Russell	Greenup	401	188
		Totals:	49,407	21,729

Kentucky Infrastructure Authority
February 19, 2016

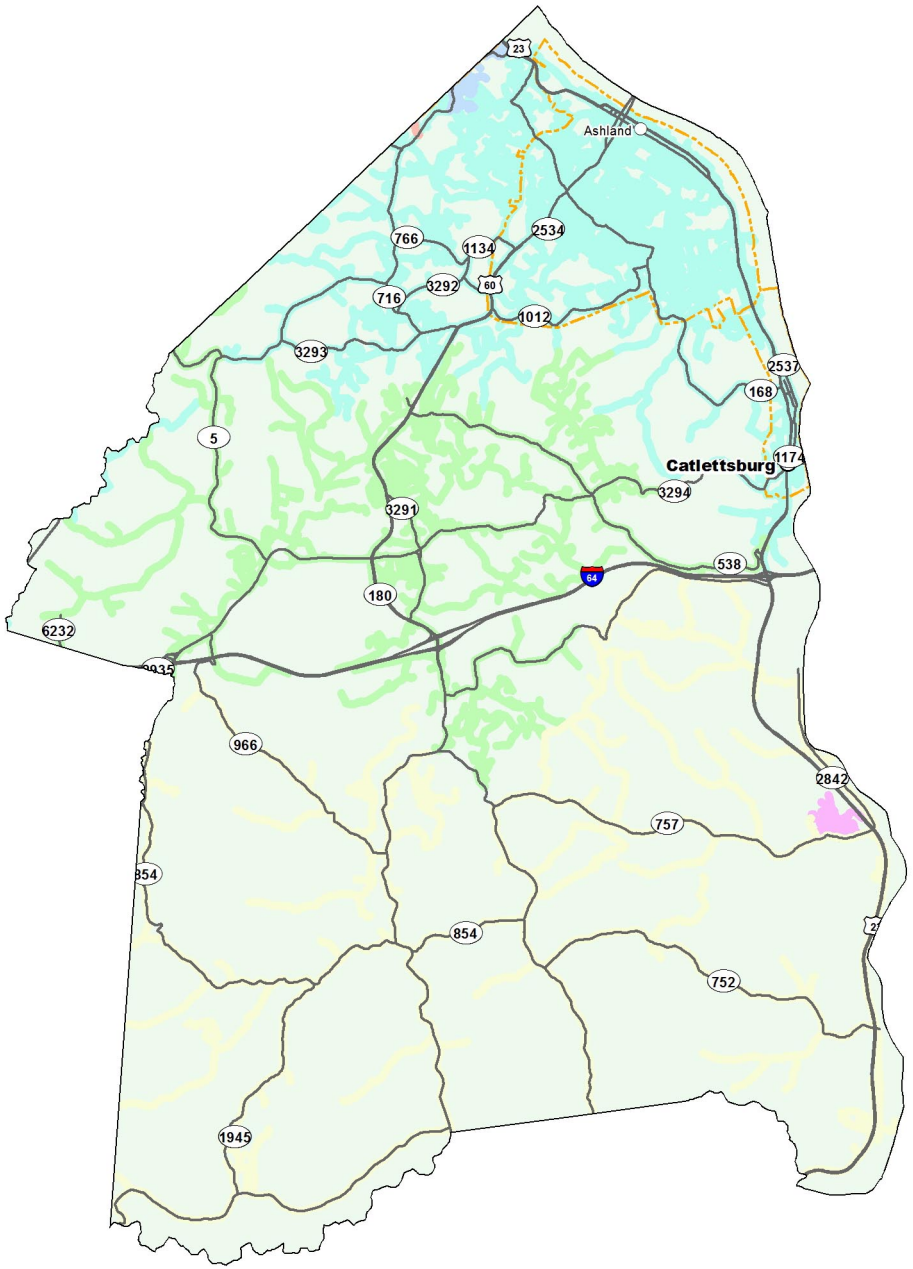
WATER SERVICE AREAS
BOYD COUNTY
Kentucky

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 4 providers.
Non-Municipal Cost	$42.63 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 10 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,652
Residential Customers	4,458	Total Produced (MG)	-
Commercial Customers	55	Total Purchased (MG)	358.712
Institutional Customers	-	Total Inside Usage (MG)	238.394
Industrial Customers	30	Total Wholesale Sold (MG)	9.725
Wholesale Customers	2	Estimated Pct. Water Loss	31%

Total Distribution System Line Length = 419.49 miles (Distribution: 419.49 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
WX21019050	Boyd and Lawrence County Regional Water Treatment Plant - Feasibility Study	0-2 Years	Not Funded	$10,000	Boyd	7	2
WX21127023	Scattered Site Water Service Line Replacement Project	0-2 Years	Not Funded	$725,000	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	9	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$41.25 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	3,476
Residential Customers	3,275	Total Produced (MG)	-
Commercial Customers	243	Total Purchased (MG)	412.766
Institutional Customers	-	Total Inside Usage (MG)	249.026
Industrial Customers	-	Total Wholesale Sold (MG)	53.285
Wholesale Customers	1	Estimated Pct. Water Loss	27%

Total Distribution System Line Length = 163.42 miles (Distribution: 158.49 miles, Transmission: 4.93 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21019050	Boyd and Lawrence County Regional Water Treatment Plant - Feasibility Study	0-2 Years	Not Funded	$10,000	Boyd	7	2
WX21019040	CWD: Waterline Loop for Fair Ground Road	0-2 Years	Not Funded	$50,000	Boyd	18	3
WX21019043	CWD: Existing Water System Improvements	0-2 Years	Not Funded	$2,085,475	Boyd		
WX21019037	CWD: Replacement of Asbestos Cement Tx Waterline to the Princes	0-2 Years	Not Funded	$2,000,000	Boyd		
WX21019039	Cannonsburg WD: Refurbish The Tarpin Ridge and Princess Water T	3-5 Years	Not Funded	$500,000	Boyd		
WX21019046	CWD: Water Loss Mitigation	3-5 Years	Not Funded	$300,000	Boyd		
WX21019011	CWD: Stream Crossing Repair and Booster Pump Station	0-2 Years	Not Funded	$125,000	Boyd		
WX21089035	CWD: Culp Creek and Wanda Lane Waterline Extensions	0-2 Years	Not Funded	$112,000	Greenup		
WX21019026	Cannonsburg WD: Tarpin Ridge Phase 2	0-2 Years	Not Funded	$100,000	Boyd		

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	$25.14 per 4,000 gallons.	Storage Capacity	Yes, 12 tanks with total capacity of 13.000 MG.
Outside Mun. Cost	$38.90 per 4,000 gallons.	Total Connections	14,065
Residential Customers	11,974	Total Produced (MG)	3,294.435
Commercial Customers	2,091	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,505.700
Industrial Customers	-	Total Wholesale Sold (MG)	506.723
Wholesale Customers	3	Estimated Pct. Water Loss	39%

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
WX21019047	Ashland: Debord Hill Water Tank Upgrade	0-2 Years	Not Funded	$900,000	Boyd	3	1
WX21019042	Ashland: Radio Read Meter Equipment Purchase	3-5 Years	Not Funded	$405,000	Boyd		

System Summary for Overland Development Inc. - Lockwood Estates

PWSID	KY0100004	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$45.18 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	111
Residential Customers	111	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	6.605
Institutional Customers	-	Total Inside Usage (MG)	5.760
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 4.84 miles (Distribution: 4.84 miles, Transmission: 0.00 miles).

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

There are no immediate projects for Overland Development Inc. - Lockwood Estates

Carter County

- 2010 census population of 27,720 (12,311 households) with 94% serviceable.
- Projected 2020 population of 28,459 (change of 739).
- Carter County has 623.25 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: $8,934,000.
- Estimated funding needs for projects from 6 to 10 years: $165,000.

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 94 percent of the county's households based on 2010 census counts. Over the next ten years approximately 110 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 16,999 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 Olive Hill	5	$1,813,000	32	2,999	2.00	2.00	-
Garrison-Quincy-Ky-O-Heights Water District	1	$2,500,000	19	-	2.00	-	-
Grayson Utility Commission	5	$3,286,000	15	14,000	1.00	-	-
Rattlesnake Ridge Water District	1	$1,500,000	44	-	7.00	-	-
Totals:	**12**	**$9,099,000**	**110**	**16,999**	**12.00**	**2.00**	**-**

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	4,964	2,338
KY0220164	Grayson Utility Commission	Carter	10,448	4,434
KY0220555	Rattlesnake Ridge Water District	Carter	6,761	3,067
KY0100944	Big Sandy Water District	Boyd	1,968	844
KY0680438	Vanceburg Water	Lewis	45	22
KY1030375	Rowan Water, Inc	Rowan	1,927	878
		Totals:	26,113	11,583

Kentucky Infrastructure Authority
February 19, 2016

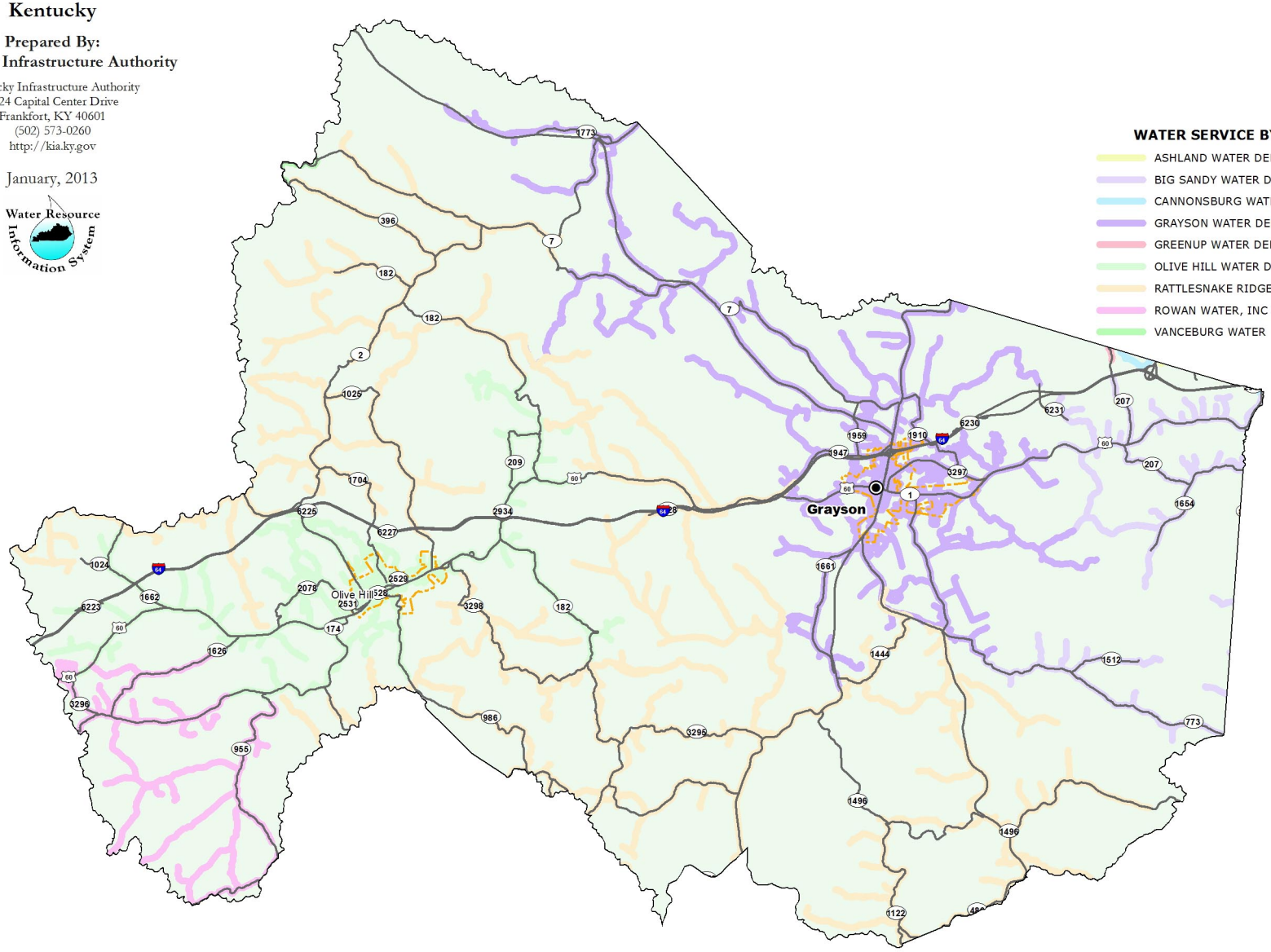
WATER SERVICE AREAS
CARTER COUNTY
Kentucky

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	12	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	2,278
Residential Customers	2,104	Total Produced (MG)	288.479
Commercial Customers	174	Total Purchased (MG)	4.516
Institutional Customers	-	Total Inside Usage (MG)	222.408
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 102.24 miles (Distribution: 102.24 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
WX21043042	Olive Hill: New Backwash Pump at WTP	0-2 Years	Not Funded	$85,000	Carter	8	2
WX21043041	Olive Hill: Replace Downtown Area Water Line	3-5 Years	Not Funded	$883,000	Carter	16	4
WX21043043	Olive Hill: New Road Hill Waterline Rehab Project	3-5 Years	Not Funded	$300,000	Carter	23	6
WX21043027	Olive Hill: Pressure Upgrade for Charlie Branch & Last Resort	3-5 Years	Not Funded	$20,000	Carter	24	7
WX21043025	Olive Hill: Line Extensions and Upgrades	0-2 Years	Partially Funded	$525,000	Carter		

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	10	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$35.90 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$46.32 per 4,000 gallons.	Total Connections	4,276
Residential Customers	2,736	Total Produced (MG)	609.235
Commercial Customers	1,410	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	591.741
Industrial Customers	2	Total Wholesale Sold (MG)	2.070
Wholesale Customers	1	Estimated Pct. Water Loss	3%

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	0-2 Years	Not Funded	$2,638,000	Carter	14	3
WX21043038	Grayson: WTP Emergency Power Generators	0-2 Years	Not Funded	$333,000	Carter	17	5
WX21043040	Grayson: Keyhoe Water Line Extension Phase 2	3-5 Years	Not Funded	$150,000	Carter		
WX21043011	Grayson: In-Line Chlorinator Booster Stations	6-10 Years	Not Funded	$90,000	Carter		
WX21043010	Grayson: Fire Hydrant Upgrade	6-10 Years	Not Funded	$75,000	Carter		

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	$55.26 per 4,000 gallons.	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 11 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,019
Residential Customers	4,004	Total Produced (MG)	473.083
Commercial Customers	9	Total Purchased (MG)	2.070
Institutional Customers	-	Total Inside Usage (MG)	398.793
Industrial Customers	-	Total Wholesale Sold (MG)	7.028
Wholesale Customers	3	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 455.12 miles (Distribution: 455.12 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	RRWD: Carter County Line Extensions	3-5 Years	Not Funded	$1,500,000	Carter	4	1

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.
- 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: $1,500,000.
- 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.

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	$1,500,000	-	-	-	-	-
Totals:	**1**	**$1,500,000**	**-**	**-**	**-**	**-**	**-**

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	3,439	1,359
KY0220555	Rattlesnake Ridge Water District	Carter	3,289	1,448
KY1030375	Rowan Water, Inc	Rowan	585	301
		Totals:	7,313	3,108

Kentucky Infrastructure Authority
February 19, 2016

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	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$42.80 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	1,198
Residential Customers	1,280	Total Produced (MG)	79.600
Commercial Customers	104	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	79.582
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 113.57 miles (Distribution: 108.96 miles, Transmission: 4.61 miles).			

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

There are no immediate projects for Sandy Hook Water District

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 550.65 miles of existing water lines.
- 47.00 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: $36,498,048.
- Estimated funding needs for projects from 6 to 10 years: $71,400.

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 1,706 serviceable households will be added through the construction of 47.00 miles of water line extensions and approximately 33,395 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			
Cannonsburg Water District	1	$112,000	11	-	1.00	-	-
City of Flatwoods	3	$2,025,000	-	6,264	-	1.00	-
City of Greenup	9	$9,416,260	80	7,662	30.00	-	8.00
City of Raceland	9	$1,850,988	1,443	3,820	3.00	1.00	1.00
City of Russell	4	$17,976,000	-	9,096	-	-	-
City of South Shore	2	$2,046,000	90	2,169	2.00	-	-
City of Worthington	4	$257,200	-	2,230	-	-	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	-	-
Greenup County Fiscal Court	1	$71,000	-	1,500	-	-	-
Totals:	**37**	**$36,569,448**	**1,706**	**33,395**	**47.00**	**2.00**	**10.00**

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	8,028	3,551
KY0450169	City of Greenup	Greenup	10,277	4,466
KY0450365	City of Raceland	Greenup	3,185	1,446
KY0450376	City of Russell	Greenup	4,492	1,953
KY0450410	City of South Shore	Greenup	4,248	1,995
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	124	53
KY0220164	Grayson Utility Commission	Carter	369	154
		Totals:	34,261	15,125

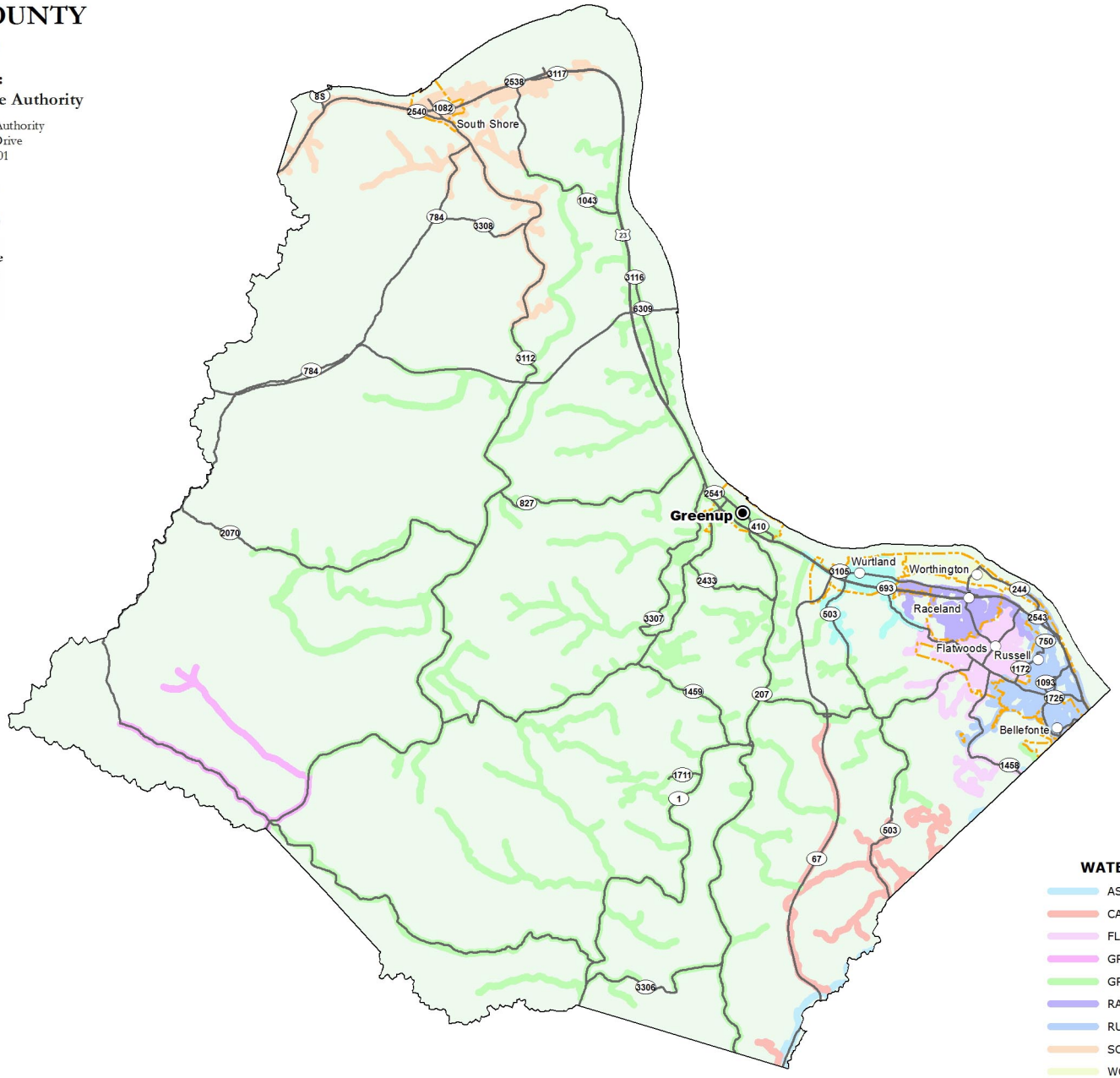
Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
GREENUP 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 Flatwoods

PWSID	KY0450132	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	Yes, to 2 purchasers.
Inside Mun. Cost	$21.42 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.52 per 4,000 gallons.	Total Connections	3,197
Residential Customers	3,021	Total Produced (MG)	-
Commercial Customers	174	Total Purchased (MG)	269.420
Institutional Customers	-	Total Inside Usage (MG)	160.500
Industrial Customers	-	Total Wholesale Sold (MG)	25.390
Wholesale Customers	2	Estimated Pct. Water Loss	31%
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
WX21089091	City of Flatwoods New 250,000 Gallon Water Storage Tank	0-2 Years	Not Funded	$700,000	Greenup	15	4
WX21089074	Flatwoods: Radio Read Meter Project	0-2 Years	Partially Funded	$1,000,000	Greenup		
WX21089064	Flatwoods: Jones Street Waterline Upgrade	0-2 Years	Partially Funded	$325,000	Greenup		

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	8	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$47.26 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$57.91 per 4,000 gallons.	Total Connections	4,099
Residential Customers	4,075	Total Produced (MG)	352.000
Commercial Customers	18	Total Purchased (MG)	5.209
Institutional Customers	-	Total Inside Usage (MG)	212.984
Industrial Customers	6	Total Wholesale Sold (MG)	6.381
Wholesale Customers	1	Estimated Pct. Water Loss	39%

Total Distribution System Line Length = 301.38 miles (Distribution: 301.31 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
WX21089013	Greenup: New Water Intake Structure	3-5 Years	Partially Funded	$4,900,000	Greenup	1	2
WX21089042	Greenup: Water Treatment Plant Upgrades	3-5 Years	Not Funded	$919,000	Greenup		
WX21089046	Greenup: AA Highway System Loop	0-2 Years	Not Funded	$919,000	Greenup		
WX21089071	Greenup: Argillite Water Tank Replacement	0-2 Years	Not Funded	$750,000	Greenup		
WX21089047	Greenup: Industrial Parkway System Loop	0-2 Years	Not Funded	$600,000	Greenup		
WX21089081	Greenup: Phase 9 Waterline Extensions and System Improvements	0-2 Years	Not Funded	$598,260	Greenup		
WX21089058	Greenup: Rt 2 Raccoon Creek Waterline Extension	0-2 Years	Not Funded	$585,000	Greenup		
WX21089020	Greenup: Upper Hog Branch Road	3-5 Years	Not Funded	$125,000	Greenup		
WX21089048	GCFC: New Pump Station for Greenup Water System	3-5 Years	Not Funded	$71,000	Greenup		
WX21089044	Greenup: Lloyd Fire Hydrant Project	0-2 Years	Not Funded	$20,000	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	6	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	1,380
Residential Customers	1,380	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	109.674
Institutional Customers	-	Total Inside Usage (MG)	57.108
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	48%

Total Distribution System Line Length = 25.90 miles (Distribution: 25.90 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
WX21089061	Raceland: Relocate RR Water Main to Corkey Lane	0-2 Years	Not Funded	$236,100	Greenup	19	6
WX21089065	Raceland: Leak Detection Survey for Water Loss Abatement	0-2 Years	Not Funded	$19,488	Greenup	26	10
WX21089053	Raceland: System Loop along US 23 from Caroline Rd to Buckenham	0-2 Years	Not Funded	$395,500	Greenup	29	14
WX21089049	Raceland: Chlorine Booster Stations and Telemetry System	0-2 Years	Not Funded	$125,000	Greenup	31	17
WX21089063	Raceland: Water Meter Replacement Project	0-2 Years	Not Funded	$369,900	Greenup		
WX21089032	Raceland: Phase 10 West Raceland Water Tank	0-2 Years	Not Funded	$325,000	Greenup		
WX21089030	Raceland: Phase 8 Caroline Road System Loop & Extension to Race Track Hill	0-2 Years	Not Funded	$165,000	Greenup		
WX21089031	Raceland: Phase 9 System Loop Along US23 From Pond Run to Caroline Road	0-2 Years	Not Funded	$150,000	Greenup		
WX21089073	Raceland: Caroline Road Waterline Extension	0-2 Years	Not Funded	$65,000	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	12	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$25.95 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$27.45 per 4,000 gallons.	Total Connections	3,630
Residential Customers	3,397	Total Produced (MG)	532.439
Commercial Customers	233	Total Purchased (MG)	5.930
Institutional Customers	-	Total Inside Usage (MG)	191.051
Industrial Customers	2	Total Wholesale Sold (MG)	286.030
Wholesale Customers	2	Estimated Pct. Water Loss	11%
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
WX21089090	City of Russell 500,000 Gallon Water Tank	0-2 Years	Not Funded	$1,000,000	Greenup	2	1
WX21089011	Russell: New Water Treatment Plant	0-2 Years	Not Funded	$16,000,000	Greenup	6	5
WX21089068	Russell: Construct New 500,000 Gallon Water Tank	3-5 Years	Not Funded	$836,000	Greenup		
WX21089079	Russell: Upgrade 2 Pump Stations	0-2 Years	Not Funded	$140,000	Greenup		

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	2	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$29.84 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$29.84 per 4,000 gallons.	Total Connections	2,040
Residential Customers	1,861	Total Produced (MG)	162.305
Commercial Customers	179	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	115.095
Industrial Customers	-	Total Wholesale Sold (MG)	5.209
Wholesale Customers	1	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 57.81 miles (Distribution: 57.32 miles, Transmission: 0.49 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
WX21089089	City of South Shore Water System Improvement Project	0-2 Years	Not Funded	$1,546,000	Greenup	12	7
WX21089075	South Shore: Killen Hollow Water Tank Upgrade with Line Extensions	0-2 Years	Not Funded	$500,000	Greenup	21	21
WX21089088	South Shore: Radio Read Meter Project	3-5 Years	Not Funded	$667,750	Greenup		
WX21089085	South Shore: Maloneton Water Tank Booster Pumping Station	3-5 Years	Not Funded	$398,400	Greenup		
WX21089086	South Shore: Lower White Oak Rd and Flat Hollow Rd Water Line	3-5 Years	Not Funded	$346,000	Greenup		
WX21089070	COSS: Interconnect with Garrison Water	0-2 Years	Not Funded	$94,500	Greenup		
WX21089087	South Shore: Laughlin and Morton Hill Water Tanks Telemetry Sys	3-5 Years	Not Funded	$66,980	Greenup		
WX21089066	GCFC: McKell Library Water	3-5 Years	Not Funded	$25,000	Greenup		

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	6	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	$28.94 per 4,000 gallons.	Total Connections	646
Residential Customers	643	Total Produced (MG)	48.114
Commercial Customers	3	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	36.986
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 10.55 miles (Distribution: 10.41 miles, Transmission: 0.14 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
WX21089005	Worthington: Clean out Wells to Increase Output	6-10 Years	Not Funded	$71,400	Greenup	10	3
WX21089072	Worthington: Valve Replacement Project Systemwide	3-5 Years	Not Funded	$20,800	Greenup	25	9
WX21089041	Worthington: Calumet Causeway Water Project	0-2 Years	Not Funded	$55,000	Greenup	33	20
WX21089040	Worthington: Worthington Ave & Prospect Ave Loop	0-2 Years	Not Funded	$110,000	Greenup	35	18

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	$36.98 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$46.98 per 4,000 gallons.	Total Connections	584
Residential Customers	568	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	29.854
Institutional Customers	-	Total Inside Usage (MG)	19.934
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%

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
WX21089024	Wurtland: Adena Water Tank Security	0-2 Years	Not Funded	$15,000	Greenup	34	16
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	$50,000	Greenup	36	22
WX21089062	Wurtland: Radio Read Meters	3-5 Years	Not Funded	$150,000	Greenup		

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 422.37 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: $2,810,000.
- There are no projects planned from 6 to 10 years.

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 3,846 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			
Big Sandy Water District	1	$725,000	-	700	-	2.00	-
City of Louisa	1	$700,000	-	600	-	8.00	-
Louisa Water and Sewer Commission	1	$1,385,000	-	2,546	-	-	-
Totals:	**3**	**$2,810,000**	**-**	**3,846**	**-**	**10.00**	**-**

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	5,476	2,474
KY0100944	Big Sandy Water District	Boyd	7,160	3,240
KY0220555	Rattlesnake Ridge Water District	Carter	1,153	588
KY0580340	Paintsville Utilities Commission	Johnson	655	302
		Totals:	14,444	6,604

Kentucky Infrastructure Authority
February 19, 2016

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

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	15	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	2,700
Residential Customers	2,514	Total Produced (MG)	524.756
Commercial Customers	184	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	167.427
Industrial Customers	-	Total Wholesale Sold (MG)	93.281
Wholesale Customers	1	Estimated Pct. Water Loss	50%

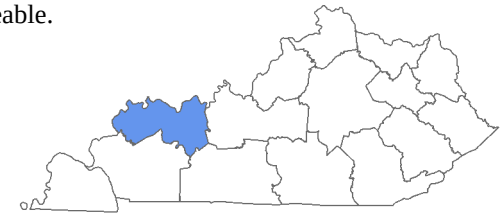
Total Distribution System Line Length = 79.96 miles (Distribution: 75.24 miles, Transmission: 4.72 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21127021	Downtown Water Rehab Project	0-2 Years	Not Funded	$700,000	Lawrence	5	2
WX21127006	Louisa WTP Water Intake Improvements Phase 2	3-5 Years	Not Funded	$1,385,000	Lawrence	11	1

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).
- 4,042.49 miles of existing water lines.
- 124.00 miles of line extensions proposed in the next 10 years.
- 83.00 miles of line rehabilitation proposed in the next 10 years.
- 53.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $89,327,935.
- Estimated funding needs for projects from 6 to 10 years: $16,506,111.
- Average age of structures: water treatment plants is 35 years; water tanks is 28 years.
- Total number of interconnected systems is 30.
- 182 miles of asbestos concrete pipe currently in use.
- 654 miles of water lines less than 15 years old.
- 1,389 miles of water lines between 15 and 30 years old.
- 1,541 miles of water lines between 31 and 50 years old.
- 245 miles of water lines between 51 and 70 years old.
- 249 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 930 serviceable households will be added through the construction of 124.00 miles of water line extensions and approximately 127,081 instances of improved service through the rehabilitation of 83.00 miles of existing water lines and other appurtenances. 53.00 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	39,706	96%	$ 3,844,758
Hancock	8,565	3,734	8,843	3,502	3,689	99%	$ 4,944,646
Henderson	46,250	20,320	47,600	19,851	20,069	99%	$ 43,974,575
McLean	9,531	4,264	9,271	3,821	4,082	96%	$ 28,971,447
Ohio	23,842	10,219	24,781	9,786	9,888	97%	$ 2,639,250
Union	15,007	6,141	14,436	5,463	5,958	97%	$ 7,008,381
Webster	13,621	5,936	13,399	5,292	5,733	97%	$ 14,450,989
Totals	**213,472**	**92,066**	**220,544**	**89,593**	**89,125**	**97%**	**$ 105,834,046**

Kentucky Infrastructure Authority
February 19, 2016

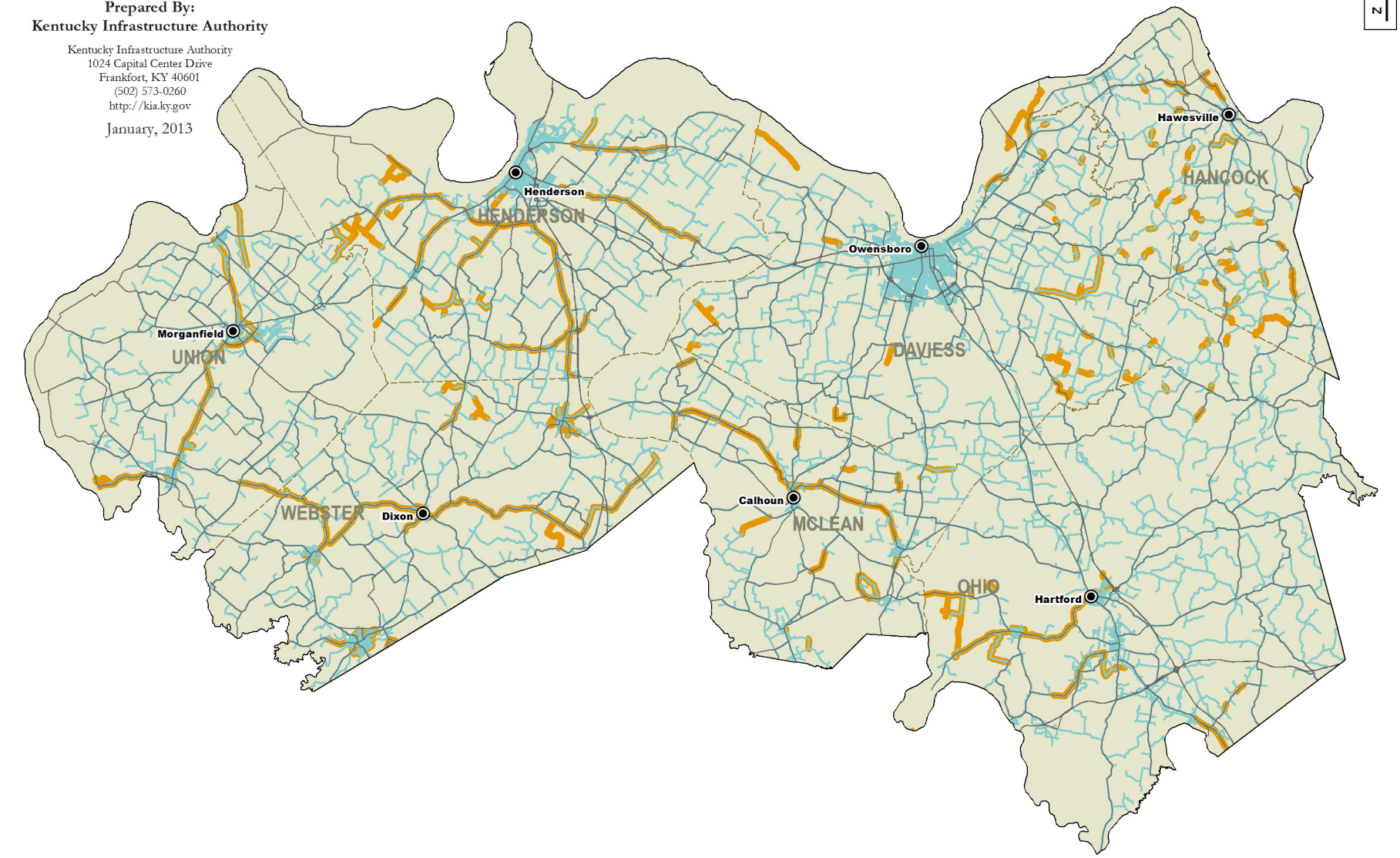
EXISTING & PROPOSED WATER LINES

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

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	11,129	4,521
KY0300336	Owensboro Municipal Utilities	Daviess	58,408	26,473
KY0300387	Southeast Daviess County Water District	Daviess	11,608	4,534
KY0300450	West Daviess County Water District	Daviess	10,746	4,262
KY0300467	Whitesville Water Works	Daviess	3,494	1,325
KY0460182	Hawesville Water Works	Hancock	2,747	1,191
KY0460248	Lewisport Municipal Water Works	Hancock	2,605	1,170
KY0510189	Henderson County Water District	Henderson	16,027	6,469
KY0510188	Henderson Water Utility - North	Henderson	30,089	13,756
KY0750529	Beech Grove Water Association	McLean	1,136	498
KY0750055	Calhoun Water Works	McLean	976	491
KY0750207	Island Water Department	McLean	1,038	464
KY0750252	Livermore Water Works	McLean	1,411	673
KY0300320	North McLean County Water District	McLean	2,924	1,214
KY0750907	Sacramento Water Works	McLean	1,824	823
KY0920025	Beaver Dam Municipal Water & Sewer System	Ohio	3,595	1,527
KY0920070	Centertown Water System	Ohio	1,139	478
KY0920136	Fordsville Water Works	Ohio	928	427
KY0920181	Hartford Municipal Water Works	Ohio	2,704	1,166
KY0920332	Ohio County Water District	Ohio	14,779	6,308
KY1130293	Morganfield Water Works	Union	5,545	1,907
KY1130422	Sturgis Water Works	Union	2,506	1,217
KY1130433	Union County Water District	Union	5,377	2,309
KY1130434	Uniontown Water & Sewer Department	Union	1,141	522
KY1170073	Clay Water Works	Webster	1,287	557
KY1170104	Dixon Water Department	Webster	657	232
KY1170361	Providence Water Works	Webster	3,598	1,779
KY1170388	Sebree Water Department	Webster	1,660	626
KY1170400	Slaughters Water Works	Webster	584	248
KY1170995	Webster County Water District	Webster	5,235	2,209
		Totals:	206,897	89,376

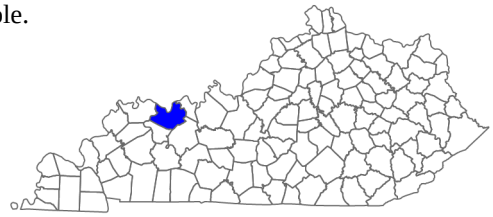
Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21091056	Hawesville/Lewisport Emergency Interconnection	3-5 Years	Not Funded	$76,500	Hancock	1	1
WX21183038	Rochester Dam Regional Water Commission	0-2 Years	Not Funded	$3,300,000	Ohio	2	1
WX21233009	Webster County Water District Water Tank Maintenance/ Mixing System	3-5 Years	Not Funded	$500,000	Webster	3	1
WX21233090	Hwy 132 - Hwy 109 S. Water Line Replacement and West Elm Replace	3-5 Years	Not Funded	$84,000	Webster	4	2
WX21225047	Morganfield Raw Water Main Replacement	0-2 Years	Not Funded	$4,703,950	Union	5	1
WX21233023	Dixon Water Line Upgrade	0-2 Years	Not Funded	$165,000	Webster	6	3
WX21059032	Sawmill Road Water Line Extension	6-10 Years	Not Funded	$51,300	Daviess	7	1
WX21059026	Yelvington Grandview Road Water Line	3-5 Years	Not Funded	$14,178	Daviess	8	2
WX21059031	Ward Road Water Line Upgrade	3-5 Years	Not Funded	$197,675	Daviess	9	3
WX21059045	Jack Hinton Road Water Main Project	3-5 Years	Not Funded	$499,280	Daviess	10	4
WX21149059	Pack Schoolhouse Road	0-2 Years	Not Funded	$427,000	McLean	11	1
WX21233102	Reworking Mt. Pleasant to Dixon Pumpstation	0-2 Years	Not Funded	$80,000	Webster	12	4
WX21101001	North System Improvements	3-5 Years	Not Funded	$2,100,000	Henderson	13	1
WX21059030	Morgantown Road Water Line Loop	3-5 Years	Not Funded	$72,500	Daviess	14	5
WX21149066	Highway 539 Booster Pump Station	0-2 Years	Not Funded	$158,400	McLean	15	2
WX21183036	Rehab Sunnydale Pump Station	6-10 Years	Not Funded	$25,000	Ohio	16	2
WX21149058	Sacramento Water Meter Replacement	3-5 Years	Not Funded	$150,000	McLean	17	5
WX21091082	Hawesville Water Treatment Plant Upgrade	3-5 Years	Not Funded	$300,000	Hancock	18	2
WX21091062	Windward Heights Water Line Rehab	6-10 Years	Not Funded	$400,000	Hancock	19	3
WX21091075	Lewisport/EDCWA Emergency Interconnect	3-5 Years	Not Funded	$41,000	Hancock	20	4
WX21183013	Hartford Water System Improvements	3-5 Years	Not Funded	$1,342,000	Ohio	21	3
WX21233095	Providence Line Extension	6-10 Years	Not Funded	$1,000,000	Webster	22	5
WX21101108	US 41 South A/C Main Replacement	0-2 Years	Not Funded	$1,403,820	Henderson	23	3
WX21225044	Highway 130 Water Main Replacement Project	0-2 Years	Not Funded	$116,370	Union	24	2
WX21149005	Beech Grove Water System Storage Tank Addition	0-2 Years	Not Funded	$1,305,650	McLean	25	3
WX21101109	Hwy 416 W Main Replacement	0-2 Years	Not Funded	$1,720,440	Henderson	26	4
WX21101110	Hwy 351 Main Replacement	0-2 Years	Not Funded	$2,329,156	Henderson	27	5
WX21149022	431 Tank Project	0-2 Years	Partially Funded	$1,488,000	McLean	28	4
WX21183033	Fordsville Water Loss Project	0-2 Years	Not Funded	$246,550	Ohio	29	4
WX21101116	Henderson Riverport Infrastructure Extension, Water Line	0-2 Years	Not Funded	$66,788	Henderson	30	2
WX21183021	Oak Wood Drive Water Main Replacement	6-10 Years	Not Funded	$132,000	Ohio	31	5
WX21091058	Hawesville Generator Project	11-20 Years	Not Funded	$150,000	Hancock	32	5
WX21225046	Uniontown Water Tanks and Repair Project	6-10 Years	Not Funded	$200,000	Union	33	3
WX21225045	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	$450,000	Union	34	4
WX21225026	Uniontown Valve Upgrades	6-10 Years	Not Funded	$131,311	Union	35	5

Total Cost:	**$25,427,868**			

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 1,029.59 miles of existing water lines.
- 33.00 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: $3,741,458.
- Estimated funding needs for projects from 6 to 10 years: $103,300.



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 109 serviceable households will be added through the construction of 33.00 miles of water line extensions and approximately 9,167 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			
City of Whitesville	4	$373,475	39	1,355	3.00	-	-
Daviess County Fiscal Court	17	$873,403	47	-	22.00	-	-
East Daviess County Water Association Inc	5	$1,255,880	23	7,130	8.00	6.00	-
McLean County Fiscal Court	1	$400,000	-	12	-	-	-
Owensboro Municipal Utilities	2	$600,000	-	170	-	1.00	-
Southeast Daviess County Water District	2	$342,000	-	500	-	2.00	-
Totals:	**31**	**$3,844,758**	**109**	**9,167**	**33.00**	**9.00**	**-**

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	6,592	2,587
KY0300336	Owensboro Municipal Utilities	Daviess	58,408	26,473
KY0300387	Southeast Daviess County Water District	Daviess	11,608	4,534
KY0300450	West Daviess County Water District	Daviess	10,686	4,238
KY0300467	Whitesville Water Works	Daviess	3,351	1,270
KY0750529	Beech Grove Water Association	McLean	123	45
KY0300320	North McLean County Water District	McLean	136	56
KY0920332	Ohio County Water District	Ohio	1,294	503
		Totals:	92,198	39,706

Kentucky Infrastructure Authority
February 19, 2016

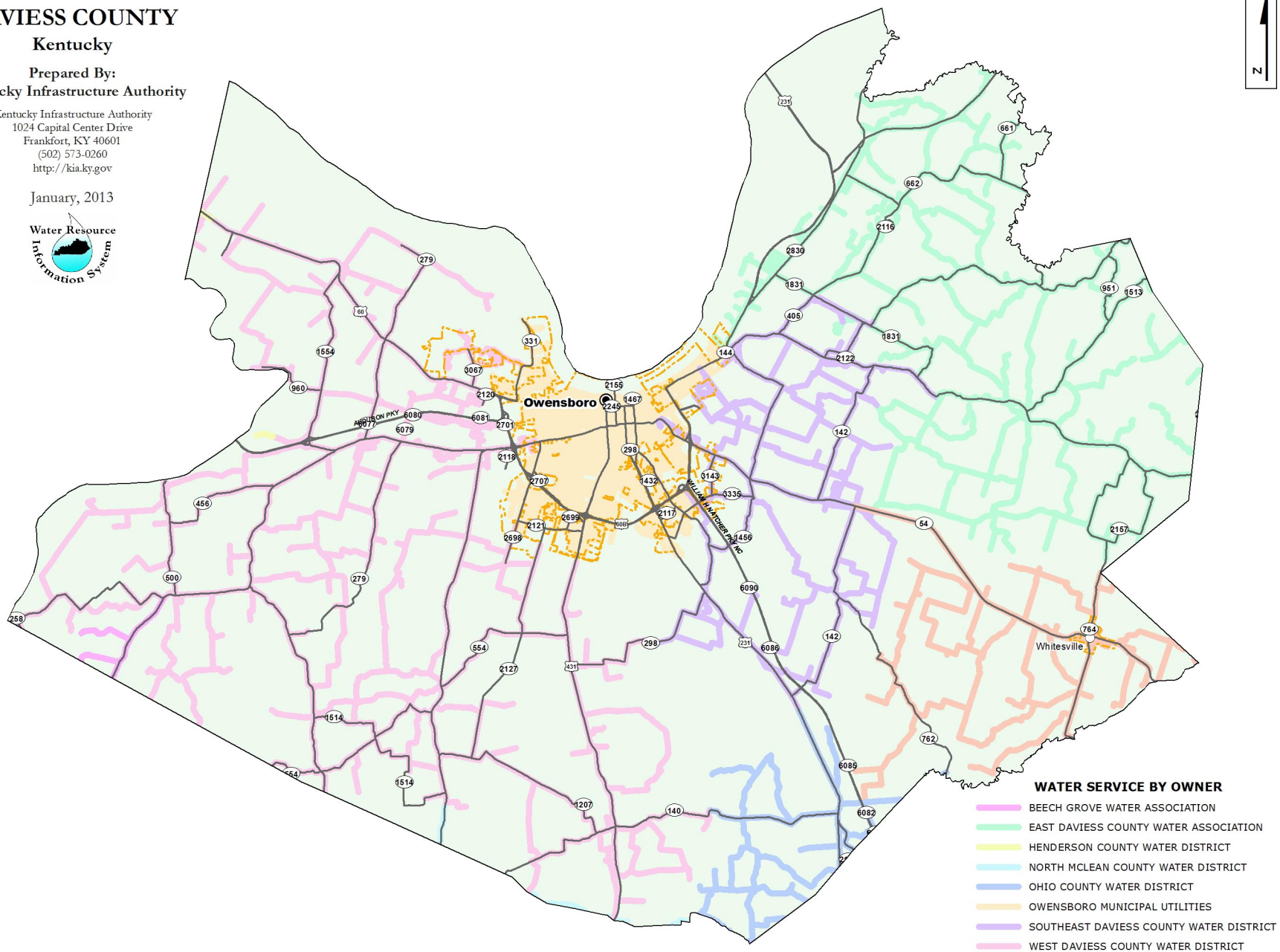
WATER SERVICE AREAS
DAVIESS COUNTY
Kentucky

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	$25.39 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	4,419
Residential Customers	4,355	Total Produced (MG)	-
Commercial Customers	55	Total Purchased (MG)	305,521,600.000
Institutional Customers	-	Total Inside Usage (MG)	270.760
Industrial Customers	14	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	100%

Total Distribution System Line Length = 430.35 miles (Distribution: 424.03 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
WX21059026	Yelvington Grandview Road Water Line	3-5 Years	Not Funded	$14,178	Daviess	8	2
WX21059045	Jack Hinton Road Water Main Project	3-5 Years	Not Funded	$499,280	Daviess	10	4
WX21183036	Rehab Sunnydale Pump Station	6-10 Years	Not Funded	$25,000	Ohio	16	2
WX21091075	Lewisport/EDCWA Emergency Interconnect	3-5 Years	Not Funded	$41,000	Hancock	20	4
WX21091074	EDCWA Meter Replacement Project (Hancock)	3-5 Years	Not Funded	$251,200	Hancock		6
WX21183022	EDCWA Small Main Connections	0-2 Years	Not Funded	$153,000	Ohio		6
WX21183027	EDCWA Meter Replacement	0-2 Years	Not Funded	$120,000	Ohio		7
WX21091091	Rehab Highway 1389 Pump Station	6-10 Years	Not Funded	$69,000	Hancock		7
WX21059027	EDCWA Scattered Water Line Extension #2	3-5 Years	Not Funded	$325,400	Daviess		8
WX21183037	Rehab Friendship Pump Station	3-5 Years	Not Funded	$20,700	Ohio		8
WX21091012	East Daviess County/Hancock County Line Extension Tie-Ins	3-5 Years	Not Funded	$440,000	Hancock		10
WX21059050	Grandview Road Water Line	3-5 Years	Not Funded	$57,975	Daviess		10
WX21059051	Highway 334 Line Extension	3-5 Years	Not Funded	$17,033	Daviess		11
WX21091092	Yakel Pump Station Rehab Project	3-5 Years	Not Funded	$20,700	Hancock		14
WX21091085	Mount Eden Fire Protection Project	3-5 Years	Not Funded	$75,000	Hancock		15
WX21059046	East Daviess County Water Association Generator Project	3-5 Years	Not Funded	$60,000	Daviess		21
WX21091093	Bates Hollow Pump Station Rehab Project	6-10 Years	Not Funded	$69,000	Hancock		22
WX21059048	New Cut Road Water Line	0-2 Years	Partially Funded	$52,521	Daviess		26

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, 38 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	25,300
Residential Customers	23,280	Total Produced (MG)	4,592.000
Commercial Customers	1,484	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	3,051.000
Industrial Customers	-	Total Wholesale Sold (MG)	305,522,640.000
Wholesale Customers	3	Estimated Pct. Water Loss	-6653334%

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
WX21059043	OMU Small Main Replacement Program 2009	3-5 Years	Not Funded	$300,000	Daviess		18
WX21059044	OMU Small Main Replacement Program 2009 Phase II	3-5 Years	Not Funded	$300,000	Daviess		19

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	6,734
Residential Customers	6,490	Total Produced (MG)	-
Commercial Customers	244	Total Purchased (MG)	615.000
Institutional Customers	-	Total Inside Usage (MG)	471.000
Industrial Customers	-	Total Wholesale Sold (MG)	93.000
Wholesale Customers	1	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 112.41 miles (Distribution: 112.41 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		14
WX21059066	Daniels Lane Line Upgrade	3-5 Years	Not Funded	$312,000	Daviess		17

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	4,909
Residential Customers	4,667	Total Produced (MG)	-
Commercial Customers	131	Total Purchased (MG)	425.000
Institutional Customers	-	Total Inside Usage (MG)	345.000
Industrial Customers	-	Total Wholesale Sold (MG)	8.600
Wholesale Customers	2	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 271.99 miles (Distribution: 271.13 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
WX21059056	Lee Rudy Road Extension	3-5 Years	Not Funded	$37,500	Daviess		12
WX21059004	Hall School Road Project	0-2 Years	Partially Funded	$46,420	Daviess		22
WX21059039	Laketown Road Waterline Extension	3-5 Years	Partially Funded	$132,000	Daviess		25
WX21059053	McCarty Road/Smock Road Water Lines	0-2 Years	Partially Funded	$91,032	Daviess		27
WX21059054	Greenback Road	0-2 Years	Partially Funded	$55,500	Daviess		28
WX21059059	Fitts Road Water Line	0-2 Years	Partially Funded	$53,000	Daviess		29

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	$24.38 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$27.05 per 4,000 gallons.	Total Connections	1,342
Residential Customers	1,316	Total Produced (MG)	-
Commercial Customers	25	Total Purchased (MG)	93.000
Institutional Customers	-	Total Inside Usage (MG)	81.953
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 78.12 miles (Distribution: 77.12 miles, Transmission: 1.00 miles).

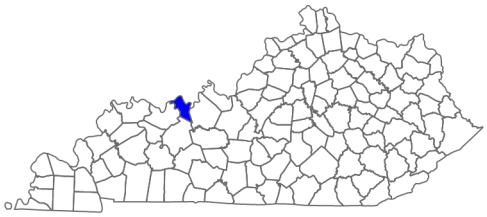
MG = Million Gallons.
MGD = Million Gallons per Day.

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	7	1
WX21059031	Ward Road Water Line Upgrade	3-5 Years	Not Funded	$197,675	Daviess	9	3
WX21059030	Morgantown Road Water Line Loop	3-5 Years	Not Funded	$72,500	Daviess	14	5
WX21059065	Melba Lane Extension	3-5 Years	Not Funded	$87,840	Daviess		13
WX21059062	Boston-Laffoon Road Water Line	3-5 Years	Not Funded	$23,800	Daviess		15
WX21059064	Little Hickory Road Water Line	0-2 Years	Not Funded	$61,400	Daviess		16
WX21059041	Whitesville Equipment Purchase	6-10 Years	Not Funded	$52,000	Daviess		20
WX21059028	Oklahoma Lafoon Road Water Line Extension	0-2 Years	Partially Funded	$36,400	Daviess		24
WX21059061	KY 762 Extension	0-2 Years	Partially Funded	$57,000	Daviess		30
WX21059063	Texas Gas Road Extension	0-2 Years	Partially Funded	$27,525	Daviess		31
WX21059072	Poplar Spur Water Line Extension	0-2 Years	Partially Funded	$20,000	Daviess		32

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 306.49 miles of existing water lines.
- 25.00 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: $4,236,646.
- Estimated funding needs for projects from 6 to 10 years: $708,000.



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 25.00 miles of water line extensions and approximately 11,721 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 Hawesville	4	$870,000	-	2,525	-	2.00	-
City of Lewisport	4	$666,481	-	3,175	2.00	1.00	-
East Daviess County Water Association Inc	5	$924,100	8	3,815	18.00	-	-
Hancock County Fiscal Court	7	$2,484,065	32	2,206	5.00	-	-
Totals:	**20**	**$4,944,646**	**40**	**11,721**	**25.00**	**3.00**	**-**

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	2,736	1,185
KY0460248	Lewisport Municipal Water Works	Hancock	2,605	1,170
KY0300109	East Daviess County Water Association	Daviess	3,123	1,334
		Totals:	8,464	3,689

Kentucky Infrastructure Authority
February 19, 2016

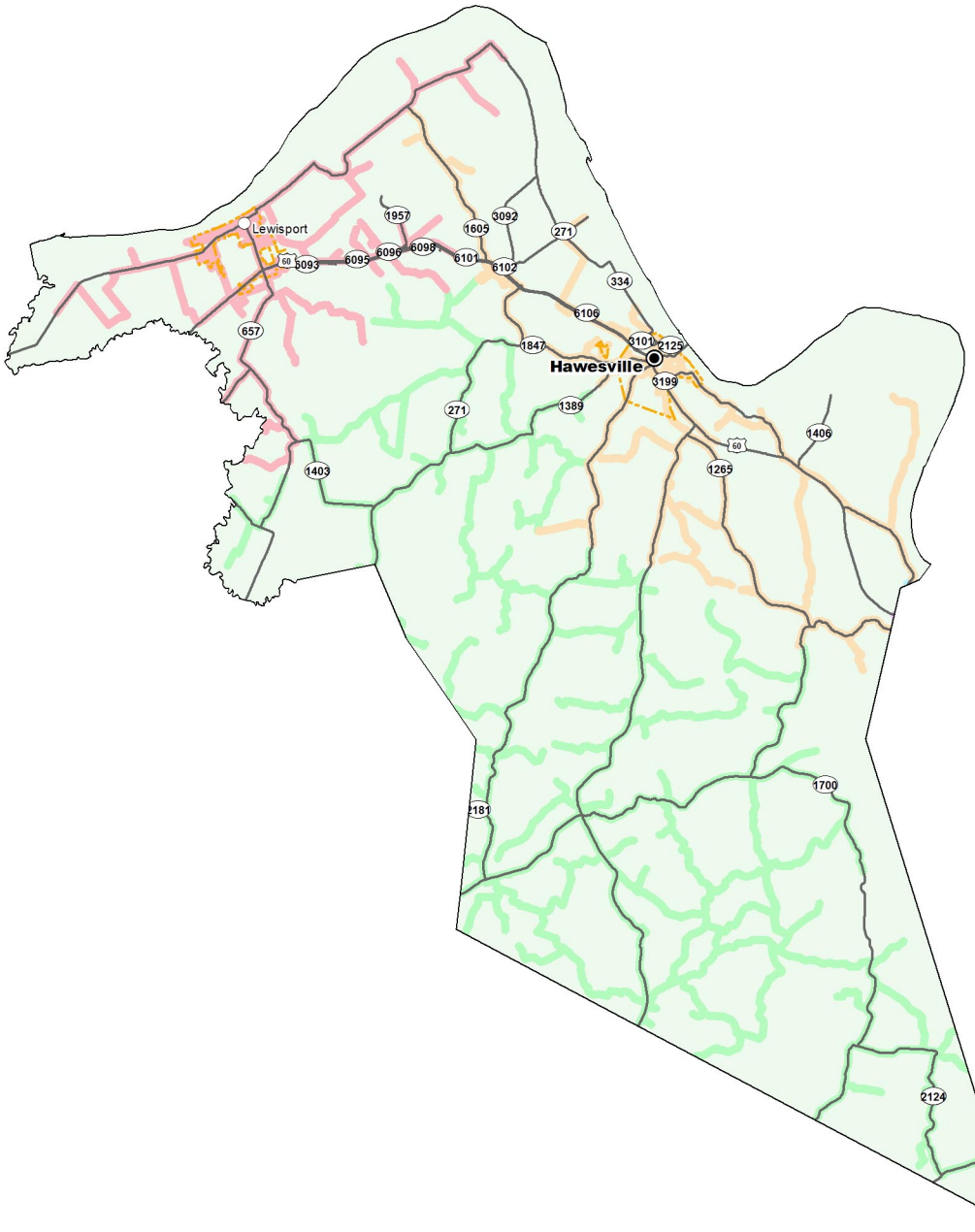
WATER SERVICE AREAS
HANCOCK COUNTY
Kentucky

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



N

WATER SERVICE BY OWNER

- CLOVERPORT WATER & SEWER SYSTEM
- EAST DAVIESS COUNTY WATER ASSOCIATION
- HARDINSBURG WATER DEPARTMENT
- HAWESVILLE WATER WORKS
- LEWISPORT MUNICIPAL WATER WORKS

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	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$17.50 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$24.25 per 4,000 gallons.	Total Connections	1,078
Residential Customers	998	Total Produced (MG)	125.520
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	113.999
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 73.93 miles (Distribution: 72.40 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
WX21091056	Hawesville/Lewisport Emergency Interconnection	3-5 Years	Not Funded	$76,500	Hancock	1	1
WX21091082	Hawesville Water Treatment Plant Upgrade	3-5 Years	Not Funded	$300,000	Hancock	18	2
WX21091062	Windward Heights Water Line Rehab	6-10 Years	Not Funded	$400,000	Hancock	19	3
WX21091089	Donna Lou/Faith Ann Line Upsizing project	6-10 Years	Not Funded	$100,000	Hancock		12
WX21091083	Fred Hodges Road Water Tank Rehabilitation	6-10 Years	Not Funded	$70,000	Hancock		13
WX21091081	Tickridge Road Project	3-5 Years	Not Funded	$140,000	Hancock		16
WX21091090	River Road Waterline Extension Project	3-5 Years	Not Funded	$130,000	Hancock		17
WX21091095	Lewisport Waterline Project	0-2 Years	Not Funded	$245,981	Hancock		18
WX21091076	Hawesville Debt Retirement	3-5 Years	Not Funded	$800,000	Hancock		19
WX21091086	Hawesville Water Surcharge Retirement	3-5 Years	Not Funded	$800,000	Hancock		20
WX21091087	Antoinette Estates Water Line Extension	3-5 Years	Not Funded	$500,000	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	$16.33 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$26.21 per 4,000 gallons.	Total Connections	1,100
Residential Customers	975	Total Produced (MG)	87.600
Commercial Customers	64	Total Purchased (MG)	-
Institutional Customers	14	Total Inside Usage (MG)	74.100
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 58.92 miles (Distribution: 58.80 miles, Transmission: 0.12 miles).

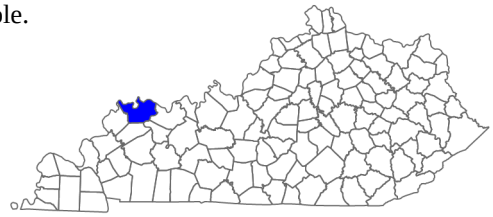
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21091056	Hawesville/Lewisport Emergency Interconnection	3-5 Years	Not Funded	$76,500	Hancock	1	1
WX21091075	Lewisport/EDCWA Emergency Interconnect	3-5 Years	Not Funded	$41,000	Hancock	20	4
WX21091073	Lewisport Water System Improvements	0-2 Years	Not Funded	$303,000	Hancock		8
WX21091095	Lewisport Waterline Project	0-2 Years	Not Funded	$245,981	Hancock		18

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 653.01 miles of existing water lines.
- 38.00 miles of line extensions proposed in the next 10 years.
- 40.00 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: $42,774,575.
- 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 82 serviceable households will be added through the construction of 38.00 miles of water line extensions and approximately 38,299 instances of improved service through the rehabilitation of 40.00 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	2	$3,066,788	1	6,100	-	-	-
Henderson County Water District	20	$11,277,787	65	10,614	22.00	39.00	6.00
Henderson Water Utility	5	$29,630,000	16	21,585	16.00	1.00	-
Totals:	**27**	**$43,974,575**	**82**	**38,299**	**38.00**	**40.00**	**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	15,531	6,250
KY0510188	Henderson Water Utility - North	Henderson	30,089	13,756
KY0300450	West Daviess County Water District	Daviess	34	13
		Totals:	45,654	20,019

Kentucky Infrastructure Authority
February 19, 2016

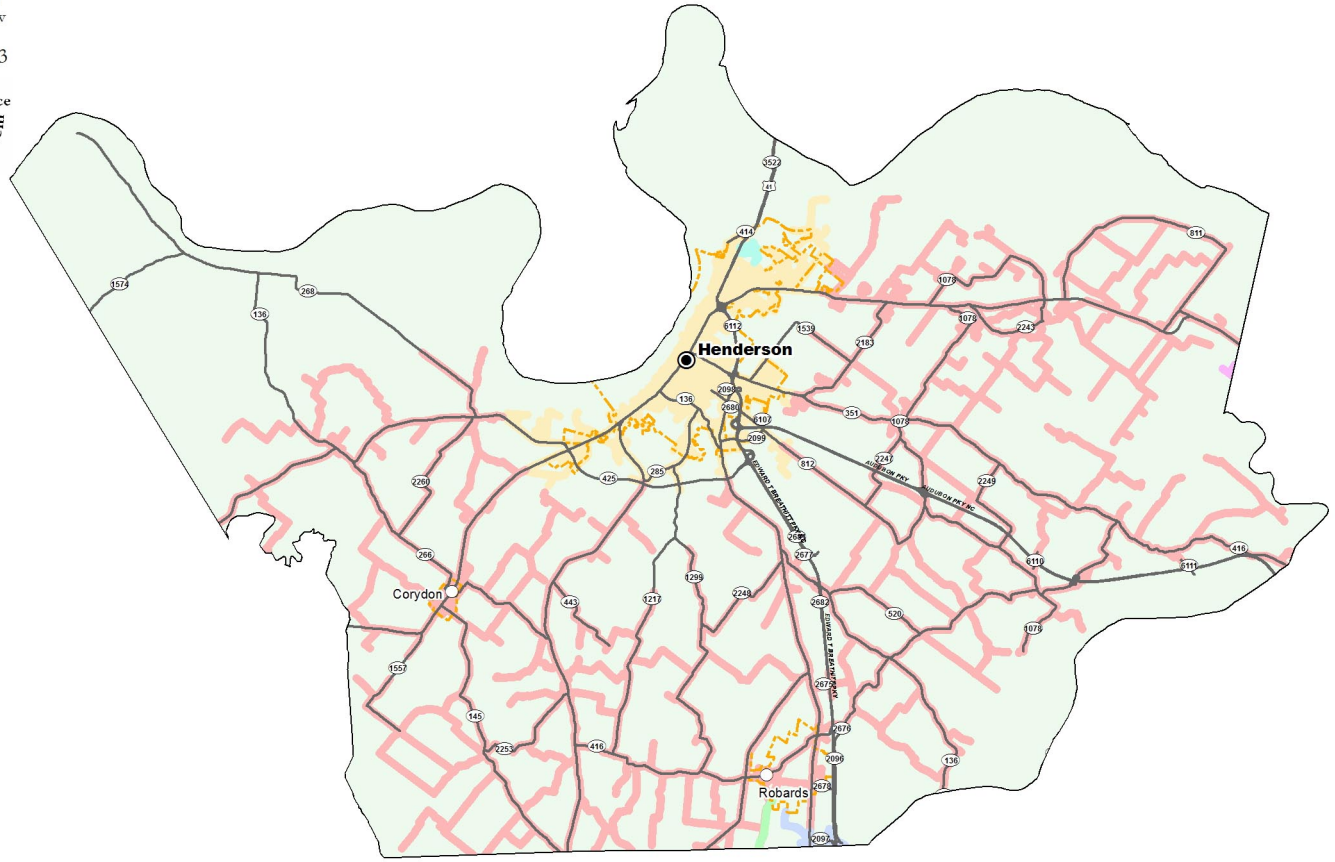
WATER SERVICE AREAS
HENDERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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

Henderson County (continued)

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	12	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$32.70 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	6,521
Residential Customers	6,148	Total Produced (MG)	-
Commercial Customers	273	Total Purchased (MG)	490.702
Institutional Customers	-	Total Inside Usage (MG)	389.838
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	21%
Total Distribution System Line Length = 457.11 miles (Distribution: 457.11 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
WX21101108	US 41 South A/C Main Replacement	0-2 Years	Not Funded	$1,403,820	Henderson	23	3
WX21101109	Hwy 416 W Main Replacement	0-2 Years	Not Funded	$1,720,440	Henderson	26	4
WX21101110	Hwy 351 Main Replacement	0-2 Years	Not Funded	$2,329,156	Henderson	27	5
WX21101065	Poole Mill Road Loop	3-5 Years	Not Funded	$46,000	Henderson		7
WX21101105	US 60 West Main Replacement	3-5 Years	Not Funded	$715,961	Henderson		8
WX21101123	HCWD Whitelick Road Water Line Extension	6-10 Years	Not Funded	$94,500	Henderson		9
WX21101044	Trigg Hooper Water Line Extension	3-5 Years	Not Funded	$20,000	Henderson		10
WX21101047	Utley & Utley Road Water Line Extension	3-5 Years	Not Funded	$80,250	Henderson		11
WX21101058	Housebridge Road Water Line Extension	3-5 Years	Not Funded	$8,000	Henderson		12
WX21101059	Housebridge Road Water Line Extension #2	3-5 Years	Not Funded	$42,600	Henderson		13
WX21101107	US 41-A Main Replacement	0-2 Years	Not Funded	$855,000	Henderson		14
WX21101115	Henderson County Fire Hydrant Project	3-5 Years	Not Funded	$3,000,000	Henderson		15
WX21101048	J.J. Utley Road Water Line Extension	3-5 Years	Not Funded	$61,600	Henderson		17
WX21101066	Shady Grove Knoblick Road Line Extension	3-5 Years	Not Funded	$45,000	Henderson		18
WX21101111	Hwy 136 W Main Replacement	3-5 Years	Not Funded	$717,307	Henderson		19
WX21101119	Cooper-Copper Road Waterline Extension	6-10 Years	Not Funded	$206,500	Henderson		20
WX21101040	Hwy 268 & Cooper-Cooper Road Water Line Extension	3-5 Years	Not Funded	$380,153	Henderson		22
WX21101050	Wilson Station Road Water Line Extension	3-5 Years	Not Funded	$7,000	Henderson		23

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	$13.16 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 7.000 MG.
Outside Mun. Cost	$32.85 per 4,000 gallons.	Total Connections	10,778
Residential Customers	9,237	Total Produced (MG)	2,690.228
Commercial Customers	979	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,016.229
Industrial Customers	51	Total Wholesale Sold (MG)	461.260
Wholesale Customers	1	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 208.59 miles (Distribution: 208.20 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
WX21101001	North System Improvements	3-5 Years	Not Funded	$2,100,000	Henderson	13	1
WX21101116	Henderson Riverport Infrastructure Extension, Water Line	0-2 Years	Not Funded	$66,788	Henderson	30	2
WX21101028	South Booster Station Relocation	3-5 Years	Not Funded	$630,000	Henderson		16
WX21101025	Main Street Water Main Replacement	3-5 Years	Not Funded	$6,750,000	Henderson		21

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	$13.16 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$32.85 per 4,000 gallons.	Total Connections	4
Residential Customers	11	Total Produced (MG)	121.612
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	0.983
Industrial Customers	-	Total Wholesale Sold (MG)	127.929
Wholesale Customers	3	Estimated Pct. Water Loss	-6%
Total Distribution System Line Length = 11.94 miles (Distribution: 3.10 miles, Transmission: 8.84 miles).			

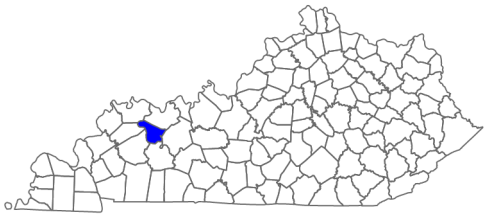
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21101004	Green River Supplemental Supply	3-5 Years	Not Funded	$16,650,000	Henderson		6
WX21101009	HWU - South Water Treatment Plant Expansion	3-5 Years	Not Funded	$3,500,000	Henderson		25

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 325.79 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 2.00 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: $26,646,447.
- Estimated funding needs for projects from 6 to 10 years: $2,325,000.



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 176 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 19,092 instances of improved service through the rehabilitation of 2.00 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 Calhoun	4	$10,365,000	-	1,170	-	-	-
City of Island	2	$1,675,000	120	500	4.00	-	-
City of Livermore	2	$211,908	15	400	-	-	-
City of Sacramento	4	$853,880	5	1,658	3.00	-	-
Daviess County Fiscal Court	1	$46,420	-	-	-	-	-
McLean County Fiscal Court	7	$3,189,150	36	10,288	5.00	2.00	3.00
McLean County Regional Water Commission	1	$10,992,089	-	3,651	-	-	3.00
North McLean County Water District	2	$1,638,000	-	1,425	1.00	-	-
Totals:	**23**	**$28,971,447**	**176**	**19,092**	**13.00**	**2.00**	**6.00**

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	975	490
KY0750207	Island Water Department	McLean	1,038	464
KY0750252	Livermore Water Works	McLean	1,411	673
KY0300320	North McLean County Water District	McLean	2,782	1,156
KY0750907	Sacramento Water Works	McLean	1,823	823
KY0300450	West Daviess County Water District	Daviess	26	11
KY0920332	Ohio County Water District	Ohio	29	12
		Totals:	9,097	4,082

Kentucky Infrastructure Authority
February 19, 2016

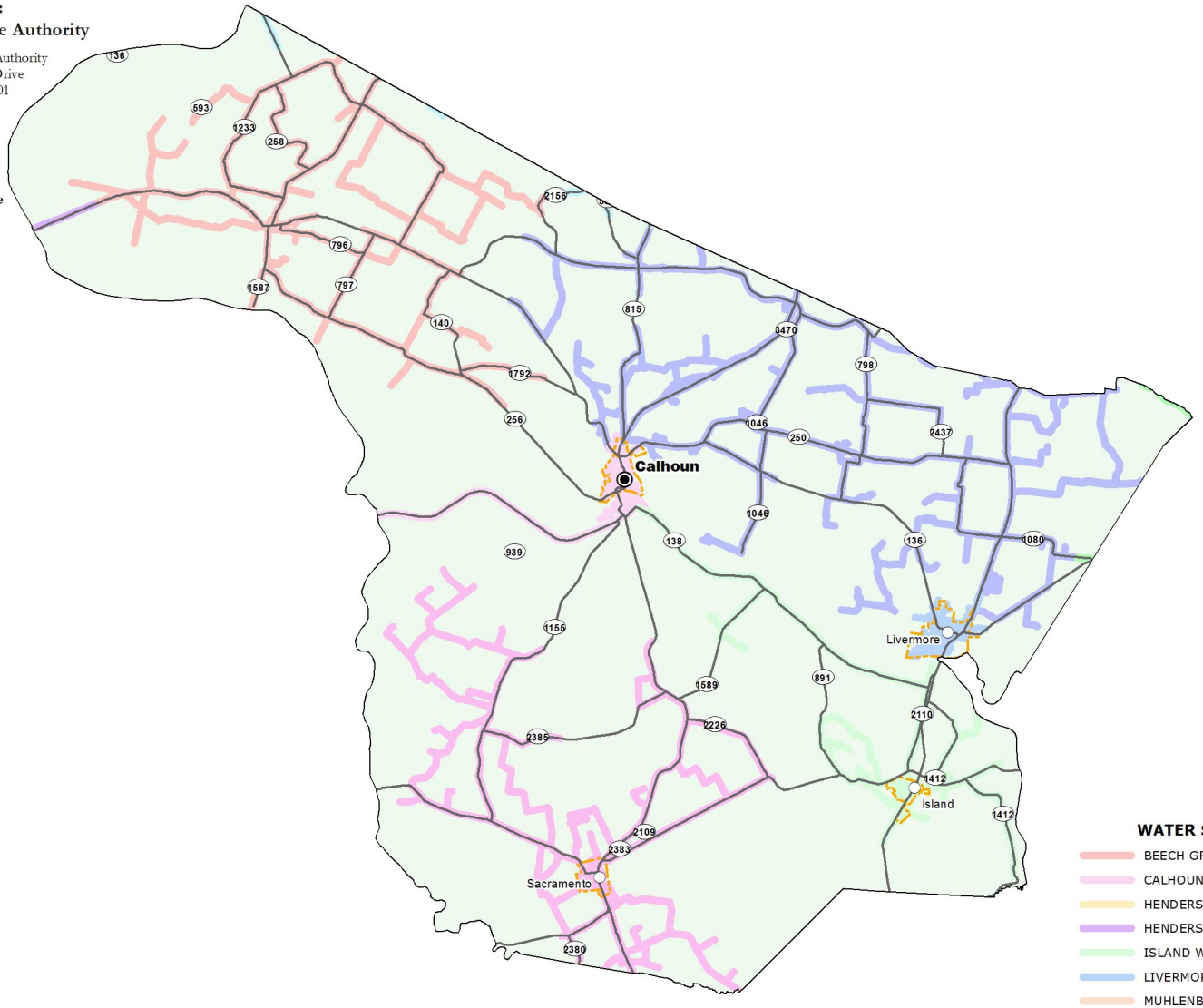
WATER SERVICE AREAS
MCLEAN COUNTY
Kentucky

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



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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	$29.53 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	564
Residential Customers	485	Total Produced (MG)	-
Commercial Customers	17	Total Purchased (MG)	57.772
Institutional Customers	-	Total Inside Usage (MG)	43.957
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 80.82 miles (Distribution: 76.32 miles, Transmission: 4.50 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 539 Booster Pump Station	0-2 Years	Not Funded	$158,400	McLean	15	2
WX21149005	Beech Grove Water System Storage Tank Addition	0-2 Years	Not Funded	$1,305,650	McLean	25	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		11

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	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	$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	486
Residential Customers	386	Total Produced (MG)	213.490
Commercial Customers	53	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	58.579
Industrial Customers	-	Total Wholesale Sold (MG)	139.739
Wholesale Customers	2	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 20.68 miles (Distribution: 18.07 miles, Transmission: 2.62 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
WX21149036	Calhoun Meter Replacement Project	3-5 Years	Not Funded	$250,000	McLean		12
WX21149062	Second Street Water Line Replacement Project	6-10 Years	Not Funded	$75,000	McLean		14
WX21149007	Calhoun Water Treatment Plant Upgrade	3-5 Years	Not Funded	$10,000,000	McLean		17
WX21149031	Calhoun Raw Water Pump Replacement	3-5 Years	Not Funded	$40,000	McLean		19
WX21149041	Sacramento - Calhoun Interconnect	3-5 Years	Not Funded	$550,000	McLean		20
WX21149042	McLean County Regional Water Commission Water Treatment Plant	0-2 Years	Partially Funded	$10,992,089	McLean		21

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	495
Residential Customers	460	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	41.860
Institutional Customers	-	Total Inside Usage (MG)	31.200
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 33.20 miles (Distribution: 32.93 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
WX21149041	Sacramento - Calhoun Interconnect	3-5 Years	Not Funded	$550,000	McLean		20
WX21149042	McLean County Regional Water Commission Water Treatment Plant	0-2 Years	Partially Funded	$10,992,089	McLean		21
WX21149047	Fox Hollow Water Tank	6-10 Years	Not Funded	$1,500,000	McLean		23
WX21149065	Island Hwy 2110 Pump Station	3-5 Years	Not Funded	$175,000	McLean		24

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	Yes, 1 source.
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	560	Total Produced (MG)	46.986
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	29.250
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	38%

Total Distribution System Line Length = 13.86 miles (Distribution: 13.81 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
WX21149064	Highway 136 Waterline Extension	3-5 Years	Not Funded	$10,000	McLean		15
WX21149042	McLean County Regional Water Commission Water Treatment Plant	0-2 Years	Partially Funded	$10,992,089	McLean		21
WX21149043	Livermore Meter Replacement Project	3-5 Years	Not Funded	$201,908	McLean		22

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.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149042	McLean County Regional Water Commission Water Treatment Plant	0-2 Years	Partially Funded	$10,992,089	McLean		21

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	5	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$25.66 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	1,302
Residential Customers	1,270	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	103.679
Institutional Customers	-	Total Inside Usage (MG)	94.614
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 108.73 miles (Distribution: 106.63 miles, Transmission: 2.09 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	28	4
WX21149056	McLean County Fire Hydrant Installation	3-5 Years	Not Funded	$139,100	McLean		8
WX21149057	815 Waterline Extension	6-10 Years	Not Funded	$150,000	McLean		9
WX21149060	Harmons Ferry Road Waterline	3-5 Years	Not Funded	$400,000	McLean		13
WX21149018	Troutman Hills Road Water Line Extension	3-5 Years	Partially Funded	$159,000	McLean		18
WX21149042	McLean County Regional Water Commission Water Treatment Plant	0-2 Years	Partially Funded	$10,992,089	McLean		21

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	$39.91 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$50.96 per 4,000 gallons.	Total Connections	808
Residential Customers	744	Total Produced (MG)	-
Commercial Customers	30	Total Purchased (MG)	55.000
Institutional Customers	-	Total Inside Usage (MG)	47.250
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 71.94 miles (Distribution: 66.71 miles, Transmission: 5.23 miles).

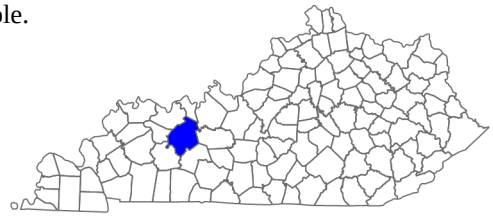
MG = Million Gallons.
MGD = Million Gallons per Day.

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	17	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
WX21149004	Sacramento Tank Repainting	3-5 Years	Not Funded	$100,000	McLean		16
WX21149041	Sacramento - Calhoun Interconnect	3-5 Years	Not Funded	$550,000	McLean		20
WX21149042	McLean County Regional Water Commission Water Treatment Plant	0-2 Years	Partially Funded	$10,992,089	McLean		21

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 746.68 miles of existing water lines.
- 6.00 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: $2,162,250.
- Estimated funding needs for projects from 6 to 10 years: $477,000.



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 45 serviceable households will be added through the construction of 6.00 miles of water line extensions and approximately 21,830 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			
City of Fordsville	1	$246,550	-	441	-	-	-
City of Hartford	2	$1,474,000	22	62	-	2.00	-
East Daviess County Water Association Inc	3	$198,700	10	4,902	3.00	-	-
Ohio County Water District	2	$720,000	13	16,425	3.00	1.00	-
Totals:	**8**	**$2,639,250**	**45**	**21,830**	**6.00**	**3.00**	**-**

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	3,595	1,527
KY0920070	Centertown Water System	Ohio	1,139	478
KY0920136	Fordsville Water Works	Ohio	928	427
KY0920181	Hartford Municipal Water Works	Ohio	2,704	1,166
KY0920332	Ohio County Water District	Ohio	13,206	5,640
KY0300109	East Daviess County Water Association	Daviess	1,378	587
KY0300467	Whitesville Water Works	Daviess	143	55
		Totals:	23,093	9,880

Kentucky Infrastructure Authority
February 19, 2016

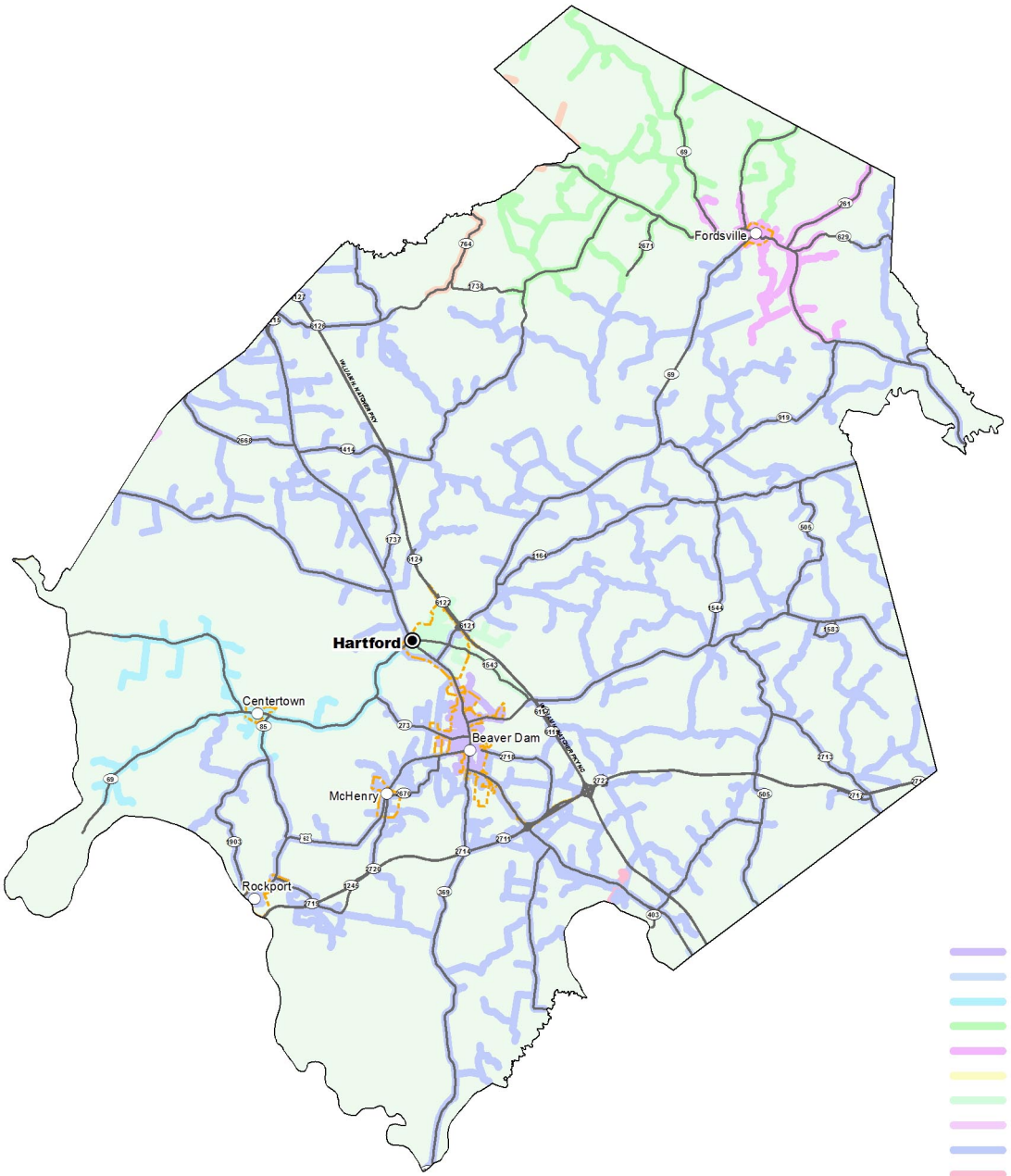
WATER SERVICE AREAS
OHIO COUNTY
Kentucky

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

- 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	1,361	Total Produced (MG)	25.550
Commercial Customers	216	Total Purchased (MG)	103.300
Institutional Customers	-	Total Inside Usage (MG)	119.856
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 29.68 miles (Distribution: 29.68 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	523
Residential Customers	521	Total Produced (MG)	-
Commercial Customers	6	Total Purchased (MG)	42.000
Institutional Customers	-	Total Inside Usage (MG)	42.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 38.08 miles (Distribution: 38.08 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	$30.50 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$30.50 per 4,000 gallons.	Total Connections	435
Residential Customers	405	Total Produced (MG)	-
Commercial Customers	25	Total Purchased (MG)	43.229
Institutional Customers	-	Total Inside Usage (MG)	27.980
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	35%
Total Distribution System Line Length = 30.18 miles (Distribution: 30.18 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
WX21183033	Fordsville Water Loss Project	0-2 Years	Not Funded	$246,550	Ohio	29	4

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	$27.19 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$43.10 per 4,000 gallons.	Total Connections	1,050
Residential Customers	907	Total Produced (MG)	80.000
Commercial Customers	122	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	72.804
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 32.62 miles (Distribution: 32.62 miles, Transmission: 0.00 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
WX21183013	Hartford Water System Improvements	3-5 Years	Not Funded	$1,342,000	Ohio	21	3
WX21183021	Oak Wood Drive Water Main Replacement	6-10 Years	Not Funded	$132,000	Ohio	31	5

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	17	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	6,895
Residential Customers	6,895	Total Produced (MG)	668.800
Commercial Customers	112	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	382.000
Industrial Customers	-	Total Wholesale Sold (MG)	188.529
Wholesale Customers	5	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 609.95 miles (Distribution: 606.84 miles, Transmission: 3.11 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 Regional Water Commission	0-2 Years	Not Funded	$3,300,000	Ohio	2	1
WX21183035	Ohio County Water District Line Replacement	6-10 Years	Not Funded	$320,000	Ohio		9
WX21183023	Ohio Co. Water Distrct/Butler Co. Water District Interconnection	0-2 Years	Not Funded	$400,000	Ohio		10

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.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21183038	Rochester Dam Regional Water Commission	0-2 Years	Not Funded	$3,300,000	Ohio	2	1

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 494.69 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.
- 6.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,415,570.
- Estimated funding needs for projects from 6 to 10 years: $592,811.

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 10,950 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 Morganfield	4	$5,728,950	-	5,100	-	1.00	6.00
City of Sturgis	2	$301,500	-	2,200	-	-	-
City of Uniontown	3	$447,681	-	1,350	-	-	-
Henderson County Water District	1	$80,250	1	-	1.00	-	-
Union County Water District	1	$450,000	-	2,300	-	-	-
Totals:	**11**	**$7,008,381**	**1**	**10,950**	**1.00**	**1.00**	**6.00**

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	5,545	1,907
KY1130422	Sturgis Water Works	Union	2,506	1,217
KY1130433	Union County Water District	Union	5,361	2,301
KY1130434	Uniontown Water & Sewer Department	Union	1,141	522
		Totals:	14,553	5,947

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
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Kentucky

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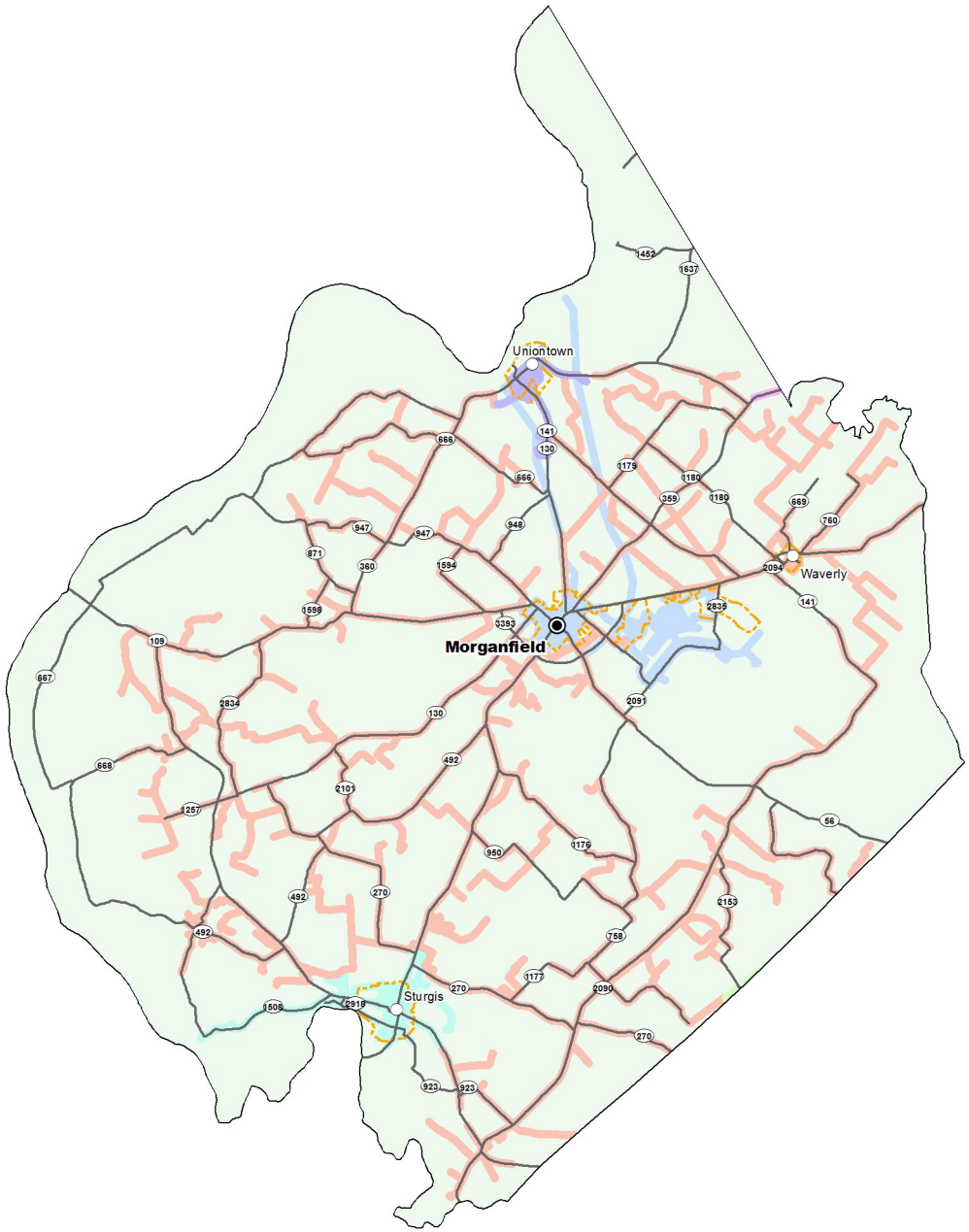


System Summary for Morganfield Water Works

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	$17.19 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$25.79 per 4,000 gallons.	Total Connections	1,918
Residential Customers	1,605	Total Produced (MG)	625.852
Commercial Customers	300	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	124.730
Industrial Customers	11	Total Wholesale Sold (MG)	377.000
Wholesale Customers	2	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 86.41 miles (Distribution: 74.87 miles, Transmission: 11.53 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
WX21225047	Morganfield Raw Water Main Replacement	0-2 Years	Not Funded	$4,703,950	Union	5	1
WX21225045	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	$450,000	Union	34	4
WX21225040	Morganfield Radio Read Meter Project	3-5 Years	Not Funded	$425,000	Union		7

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	1,088
Residential Customers	969	Total Produced (MG)	132.000
Commercial Customers	106	Total Purchased (MG)	48.000
Institutional Customers	-	Total Inside Usage (MG)	51.600
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	71%
Total Distribution System Line Length = 40.24 miles (Distribution: 30.71 miles, Transmission: 9.53 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21225013	City of Sturgis Water Treatment Plant and Water Intake Generator Project	6-10 Years	Not Funded	$261,500	Union		9
WX21225037	Sturgis Groundwater Supply Feasibility Study	3-5 Years	Not Funded	$40,000	Union		10

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	$23.93 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,282
Residential Customers	2,188	Total Produced (MG)	-
Commercial Customers	85	Total Purchased (MG)	340.000
Institutional Customers	-	Total Inside Usage (MG)	321.000
Industrial Customers	5	Total Wholesale Sold (MG)	48.000
Wholesale Customers	2	Estimated Pct. Water Loss	-9%

Total Distribution System Line Length = 352.80 miles (Distribution: 352.80 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	3-5 Years	Not Funded	$450,000	Union		8

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	558
Residential Customers	529	Total Produced (MG)	-
Commercial Customers	25	Total Purchased (MG)	37.000
Institutional Customers	-	Total Inside Usage (MG)	34.804
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 14.74 miles (Distribution: 14.74 miles, Transmission: 0.00 miles).			

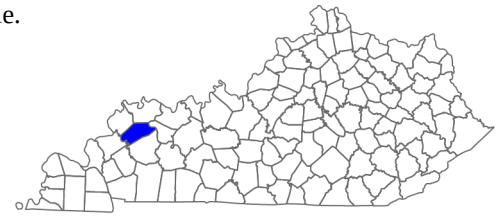
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21225044	Highway 130 Water Main Replacement Project	0-2 Years	Not Funded	$116,370	Union	24	2
WX21225046	Uniontown Water Tanks and Repair Project	6-10 Years	Not Funded	$200,000	Union	33	3
WX21225026	Uniontown Valve Upgrades	6-10 Years	Not Funded	$131,311	Union	35	5

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 486.24 miles of existing water lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- 25.00 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: $3,350,989.
- Estimated funding needs for projects from 6 to 10 years: $11,100,000.



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 8.00 miles of water line extensions and approximately 16,022 instances of improved service through the rehabilitation of 25.00 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	$214,000	-	1,660	1.00	-	-
City of Dixon	3	$572,649	-	75	-	1.00	-
City of Providence	5	$8,775,000	200	5,295	2.00	20.00	-
City of Sebree	2	$75,000	1	650	-	-	-
City of Slaughters	1	$200,000	271	-	-	-	-
Henderson County Water District	2	$91,000	-	23	2.00	2.00	-
Webster County Fiscal Court	1	$230,000	-	33	-	2.00	-
Webster County Water District	5	$4,293,340	5	8,286	3.00	-	35.00
Totals:	**22**	**$14,450,989**	**477**	**16,022**	**8.00**	**25.00**	**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	657	232
KY1170361	Providence Water Works	Webster	3,568	1,765
KY1170388	Sebree Water Department	Webster	1,660	626
KY1170400	Slaughters Water Works	Webster	295	133
KY1170995	Webster County Water District	Webster	5,212	2,197
KY0510189	Henderson County Water District	Henderson	485	215
		Totals:	13,164	5,725

Kentucky Infrastructure Authority
February 19, 2016

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Kentucky Infrastructure Authority
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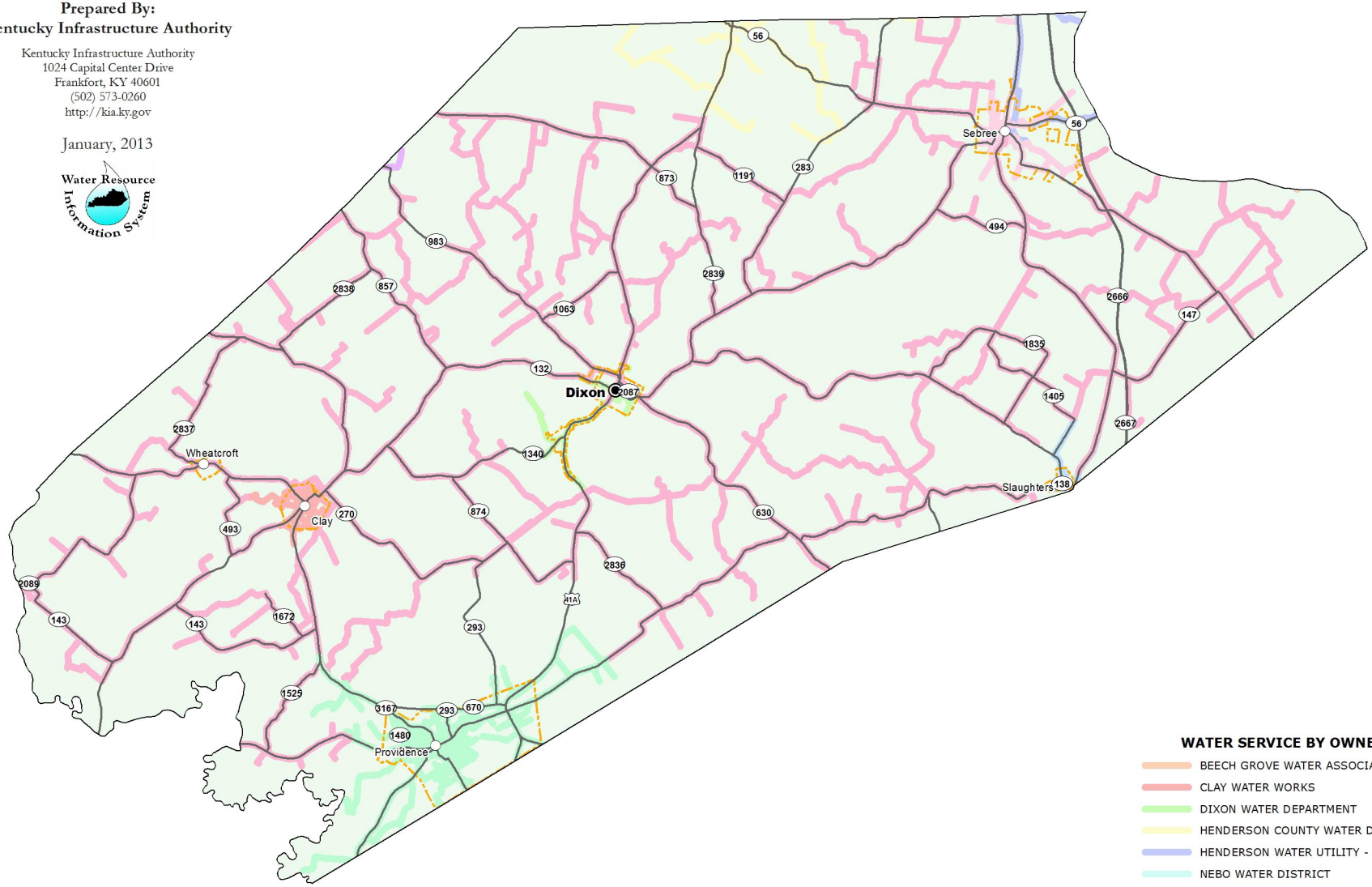


WATER SERVICE BY OWNER

- 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	593
Residential Customers	593	Total Produced (MG)	-
Commercial Customers	38	Total Purchased (MG)	51.550
Institutional Customers	-	Total Inside Usage (MG)	32.790
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	36%
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
WX21233090	Hwy 132 - Hwy 109 S. Water Line Replacement and West Elm Replace	3-5 Years	Not Funded	$84,000	Webster	4	2
WX21233101	East Railroad & 2nd Street Rebuild	6-10 Years	Not Funded	$100,000	Webster		9
WX21233105	Clay Stand Pipe Mixing Valve	3-5 Years	Not Funded	$30,000	Webster		10

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	417
Residential Customers	390	Total Produced (MG)	-
Commercial Customers	27	Total Purchased (MG)	33.493
Institutional Customers	-	Total Inside Usage (MG)	30.504
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 10.82 miles (Distribution: 7.76 miles, Transmission: 3.06 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	$165,000	Webster	6	3
WX21233016	Leiper Street Waterline Rehab Project	0-2 Years	Not Funded	$301,190	Webster		

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	1,522
Residential Customers	1,525	Total Produced (MG)	204.000
Commercial Customers	50	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	93.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	54%
Total Distribution System Line Length = 67.70 miles (Distribution: 64.82 miles, Transmission: 2.88 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
WX21233095	Providence Line Extension	6-10 Years	Not Funded	$1,000,000	Webster	22	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		11
WX21233058	WCWD/Providence Interconnection	3-5 Years	Not Funded	$230,000	Webster		12
WX21233060	Providence Water Treatment Plant Loan Payoff	3-5 Years	Not Funded	$1,200,000	Webster		15
WX21233021	Stewart Street Water Line Upgrade	0-2 Years	Not Funded	$75,000	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	634
Residential Customers	580	Total Produced (MG)	-
Commercial Customers	64	Total Purchased (MG)	43.515
Institutional Customers	-	Total Inside Usage (MG)	40.600
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 20.05 miles (Distribution: 20.05 miles, Transmission: 0.00 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	$34.80 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	$36.80 per 4,000 gallons.	Total Connections	275
Residential Customers	260	Total Produced (MG)	-
Commercial Customers	8	Total Purchased (MG)	14.880
Institutional Customers	-	Total Inside Usage (MG)	12.467
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 12.80 miles (Distribution: 12.80 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

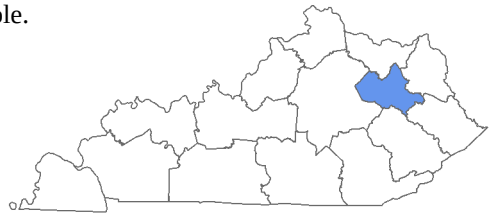
PWSID	KY1170995	Treats Water	Yes, 1 plant with total capacity of 3.600 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	No
Non-Municipal Cost	$33.40 per 4,000 gallons.	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	1,998
Residential Customers	1,885	Total Produced (MG)	369.000
Commercial Customers	29	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	250.952
Industrial Customers	9	Total Wholesale Sold (MG)	99.923
Wholesale Customers	5	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 346.26 miles (Distribution: 341.10 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	3	1
WX21233102	Reworking Mt. Pleasant to Dixon Pumpstation	0-2 Years	Not Funded	$80,000	Webster	12	4
WX21233058	WCWD/Providence Interconnection	3-5 Years	Not Funded	$230,000	Webster		12
WX21233062	Crowder Road Extension	3-5 Years	Not Funded	$173,340	Webster		13
WX21233032	WCWD Long Term System Improvements	6-10 Years	Not Funded	$3,500,000	Webster		14
WX21233007	Webster County Water District Water Plant Instrument Improvement	0-2 Years	Not Funded	$40,000	Webster		

Gateway Area Development District (GWADD)



- 2010 census population of 81,652 (36,780 households) with 96% serviceable.
- Projected 2020 population of 87,651 (change of 5,999).
- 1,833.51 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 14.00 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: $8,099,596.
- Estimated funding needs for projects from 6 to 10 years: $6,340,045.
- Average age of structures: water treatment plants is 41 years; water tanks is 23 years.
- Total number of interconnected systems is 30.
- 29 miles of asbestos concrete pipe currently in use.
- 613 miles of water lines less than 15 years old.
- 542 miles of water lines between 15 and 30 years old.
- 763 miles of water lines between 31 and 50 years old.
- 142 miles of water lines between 51 and 70 years old.
- 12 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 96 percent of the district's households based on 2010 census counts. Over the next ten years approximately 107 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 149,381 instances of improved service through the rehabilitation of 14.00 miles of existing water lines and other appurtenances.

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	5,150	95%	$ 2,928,086
Menifee	6,306	3,744	6,038	2,422	3,498	93%	$ 1,548,150
Montgomery	26,499	11,699	30,750	12,483	11,654	100%	$ 4,492,945
Morgan	13,923	5,830	14,023	5,126	5,128	88%	$ 1,190,900
Rowan	23,333	10,102	24,708	9,546	9,904	98%	$ 4,279,560
Totals	**81,652**	**36,780**	**87,651**	**34,583**	**35,334**	**96%**	**$ 14,439,641**

Kentucky Infrastructure Authority
February 19, 2016

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	8,944	4,029
KY0060338	City of Owingsville	Bath	1,915	958
KY0060392	Sharpsburg Water District	Bath	3,158	1,426
KY0830148	City of Frenchburg	Menifee	5,195	3,227
KY0870212	City of Jeffersonville	Montgomery	4,623	2,011
KY0870147	Judy Water Association	Montgomery	4,602	1,938
KY0870246	Levee Road Water Association, Inc	Montgomery	2,166	917
KY0870290	Montgomery County Water District #1	Montgomery	1,809	754
KY0870298	Mount Sterling Water and Sewer	Montgomery	12,009	5,524
KY0870367	Reid Village Water District	Montgomery	2,543	1,081
KY0880452	City of West Liberty	Morgan	3,417	851
KY0880594	Morgan County Water District	Morgan	8,434	3,909
KY1030480	Morehead State University	Rowan	1,684	178
KY1030292	Morehead Utility Plant Board	Rowan	7,935	3,542
KY1030375	Rowan Water, Inc	Rowan	16,153	7,512
		Totals:	84,587	37,857

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	$170,600	Morgan	1	1
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	$209,600	Morgan	2	2
WX21011011	City of Owingsville Water Storage Tank Project - Phase 1.1	0-2 Years	Fully Funded	$1,446,040	Bath	3	1
WX21205045	Morehead Utility Plant Board MMRC Water Tank Rehabilitation	0-2 Years	Not Funded	$320,440	Rowan	4	1
WX21205027	Morehead Utility Plant Board Paint US 60 Water Tank Project	0-2 Years	Not Funded	$256,920	Rowan	5	2
WX21205041	Morehead Utility Plant Board Water Treatment Plant Improvement Project	3-5 Years	Not Funded	$200,000	Rowan	6	3
WX21205039	Morehead Utility Plant Board 500,000 Gallon Water Tank Project	6-10 Years	Not Funded	$800,000	Rowan	7	4
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21205042	Morehead Utility Plant Board Radio Read Meter and Technology Project	3-5 Years	Not Funded	$700,000	Rowan	10	5
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	$900,000	Rowan	11	6
WX21205028	Morehead Utility Plant Board Guardian Pump Station Rehabilitation	0-2 Years	Not Funded	$102,200	Rowan	12	7
WX21205043	Rowan Water Inc. Water Tank Rehab Project	3-5 Years	Not Funded	$600,000	Rowan	13	8
WX21011019	Sharpsburg Water District Meter Replacement Project	3-5 Years	Not Funded	$200,000	Bath	14	2
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	$500,000	Bath	15	3
WX21175021	City of West Liberty Davis Lane Waterline Replacement Project	3-5 Years	Not Funded	$135,700	Morgan	16	3
WX21011016	Bath County Water District Standby Power Generator Project	6-10 Years	Not Funded	$120,000	Bath	17	4
WX21173121	Judy Water Association Water Tank Inspection Project	3-5 Years	Not Funded	$100,000	Montgomery	18	3
WX21175030	City of West Liberty Broadway, Main, and Prestonburg Streets Line Replacement Project	3-5 Years	Not Funded	$300,000	Morgan	19	4
WX21175009	City of West Liberty McClain Way Increase Pressure Project	3-5 Years	Not Funded	$75,000	Morgan	20	5
WX21173094	Mt. Sterling Water & Sewer System Automatic Flush Valve Project	3-5 Years	Not Funded	$35,000	Montgomery	21	4
WX21173090	Levee Road Water Association Gate Valve Project	3-5 Years	Not Funded	$50,000	Montgomery	22	5
WX21173059	City of Jeffersonville Highway 599 Water Tank Rehab Project	6-10 Years	Not Funded	$159,000	Montgomery	23	6
WX21205029	Rowan Water Inc. Tank Rehab and Meter Pit Project	0-2 Years	Not Funded	$250,000	Rowan	24	9
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	$800,000	Montgomery	25	7
WX21173047	Levee Road Water Association Countryside Drive Waterline Extension	6-10 Years	Not Funded	$246,045	Montgomery	26	8
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	$91,150	Menifee	27	1
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	$200,000	Montgomery	28	9
WX21173125	City of Jeffersonville Welch Road Project - Phase II	11-20 Years	Not Funded	$250,000	Montgomery	29	10
WX21011018	Bath County Water District Computer Hardware and System Appurtenance Project	11-20 Years	Not Funded	$53,000	Bath	30	5
WX21173095	Mt. Sterling Water & Sewer System Valve Replacement Project	6-10 Years	Not Funded	$150,000	Montgomery	31	11

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173066	Mt. Sterling Water & Sewer System Fire Hydrant Project	6-10 Years	Not Funded	$168,000	Montgomery	32	12
WX21173110	Montgomery County Water District #1 Fire Hydrant Improvement Project	3-5 Years	Not Funded	$70,000	Montgomery	33	13
WX21173139	Reid Village Water District Office and Maintenance Building Purchase Project	0-2 Years	Fully Funded	$401,625	Montgomery	34	14
WX21173065	Mt. Sterling Water & Sewer System South Queen Project	3-5 Years	Not Funded	$326,000	Montgomery	35	15
WX21173111	Mount Sterling Water and Sewer Waterline Rehab Projects - Various Sites	6-10 Years	Not Funded	$600,000	Montgomery	36	16
WX21173046	Reid Village Water District Wades Mill Tank Mixing System Projec	3-5 Years	Not Funded	$20,000	Montgomery	37	17
WX21173008	Mt. Sterling Water & Sewer Spencer Road Water Main Extension	6-10 Years	Not Funded	$250,000	Montgomery	38	18
WX21173101	Montgomery County Water District No. 1 System Improvement Project	11-20 Years	Not Funded	$300,000	Montgomery	39	19
WX21173107	Levee Road Water Association Phase III Meter Replacement Project	3-5 Years	Not Funded	$100,000	Montgomery	40	20
WX21173116	City of Jeffersonville Fay Street Tie In Project	3-5 Years	Not Funded	$15,000	Montgomery	41	21
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	6-10 Years	Not Funded	$150,000	Rowan	42	10
WX21011020	Sharpsburg Water District AC Line Replacement Project	6-10 Years	Not Funded	$300,000	Bath	43	6
WX21011027	Bath County Water District Scattered Site System Improvement Project	3-5 Years	Not Funded	$140,000	Bath	44	7
WX21011009	Sharpsburg Water District Rich Lan Road Waterline Extension Project	0-2 Years	Not Funded	$136,086	Bath	45	8
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	6-10 Years	Not Funded	$1,432,000	Menifee	46	2
WX21173072	City of Jeffersonville Office Equipment Upgrade	0-2 Years	Not Funded	$10,000	Montgomery	47	22
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	$25,000	Menifee	48	3
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	$3,500	Montgomery	49	23
WX21173117	City of Jeffersonville Equipment Project	3-5 Years	Not Funded	$10,000	Montgomery	50	24
WX21173115	City of Jeffersonville Utility Truck Project	3-5 Years	Not Funded	$50,000	Montgomery	51	25
WX21173128	Mt. Sterling Water & Sewer System Equipment Project	6-10 Years	Not Funded	$175,000	Montgomery	52	26
WX21173132	Montgomery County Water District #1 Building Project Phase II	3-5 Years	Not Funded	$25,000	Montgomery	53	27
WX21175020	Morgan County Water District Equipment Project	3-5 Years	Not Funded	$100,000	Morgan	54	6
WX21173096	Mt Sterling Water & Sewer System GIS Project	3-5 Years	Not Funded	$225,000	Montgomery	55	28
WX21173135	Mount Sterling Water and Sewer Storage Tank Demolition and Maintenance	3-5 Years	Not Funded	$225,000	Montgomery	56	29
WX21205044	Rowan Water Inc. New Pump Station and Tank Project	11-20 Years	Not Funded	$600,000	Rowan	57	11
WX21173044	Montgomery County Water District #1 Whitaker Lane Vault Valve Replacement	6-10 Years	Not Funded	$60,000	Montgomery	58	30
WX21173136	Levee Road Water Association Radio Read Meter Replacement Project	3-5 Years	Not Funded	$2,400	Montgomery	59	31
WX21173050	City of Jeffersonville New Cut Rd Line Replacement Project	6-10 Years	Not Funded	$50,000	Montgomery	60	32
WX21173088	Judy Water Association Bourbon County Line Upgrade Project	6-10 Years	Not Funded	$300,000	Montgomery	61	33
WX21173051	City of Jeffersonville Corey Lane Improvement Project	6-10 Years	Not Funded	$18,000	Montgomery	62	34

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21011030	City of Owingsville Atkinson Road Waterline Extension Project	6-10 Years	Not Funded	$100,000	Bath	63	9
WX21173138	Levee Road Water Association Fence Replacement Project	6-10 Years	Not Funded	$10,000	Montgomery	64	35
WX21173048	City of Jeffersonville Highway 1050 Line Replacement Project	11-20 Years	Not Funded	$300,000	Montgomery	65	36
WX21173109	Montgomery County Water District #1 Concrete Abestos Pipe Replacement	11-20 Years	Not Funded	$400,000	Montgomery	66	37
WX21173126	City of Jeffersonville Lower Spruce Tie In Project	0-2 Years	Not Funded	$120,000	Montgomery	67	38
WX21173114	City of Jeffersonville Harpers Ridge Waterline Tie-In Project	11-20 Years	Not Funded	$100,000	Montgomery	68	39
WX21173113	City of Jeffersonville Spruce Valley Waterline Tie In Project	11-20 Years	Not Funded	$80,000	Montgomery	69	40
WX21173049	City of Jeffersonville Highway 213 Line Replacement Project	11-20 Years	Not Funded	$275,000	Montgomery	70	41
WX21173123	Montgomery County Water District No. 1 Equipment Project	11-20 Years	Not Funded	$15,000	Montgomery	71	42
WX21173054	Mount Sterling Water and Sewer Storage Building Project	11-20 Years	Not Funded	$120,000	Montgomery	72	43
WX21173124	Montgomery County Water District No. 1 Dump Truck Project	11-20 Years	Not Funded	$60,000	Montgomery	73	44
			Total Cost:	**$17,388,306**			

Bath County

- 2010 census population of 11,591 (5,405 households) with 95% serviceable.
- Projected 2020 population of 12,132 (change of 541).
- Bath County has 346.83 miles of existing water lines.
- 6.00 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: $976,086.
- Estimated funding needs for projects from 6 to 10 years: $1,952,000.

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 95 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 6.00 miles of water line extensions and approximately 8,587 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			
Bath County Water District	2	$260,000	19	6,091	-	-	-
City of Frenchburg	1	$1,432,000	26	-	4.00	-	-
City of Owingsville	1	$100,000	3	-	1.00	-	-
Sharpsburg Water District	4	$1,136,086	6	2,496	1.00	6.00	-
Totals:	**8**	**$2,928,086**	**54**	**8,587**	**6.00**	**6.00**	**-**

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	6,919	3,167
KY0060338	City of Owingsville	Bath	1,915	958
KY0060392	Sharpsburg Water District	Bath	1,891	883
KY0830148	City of Frenchburg	Menifee	200	92
KY0870147	Judy Water Association	Montgomery	122	43
		Totals:	11,047	5,143

Kentucky Infrastructure Authority
February 19, 2016

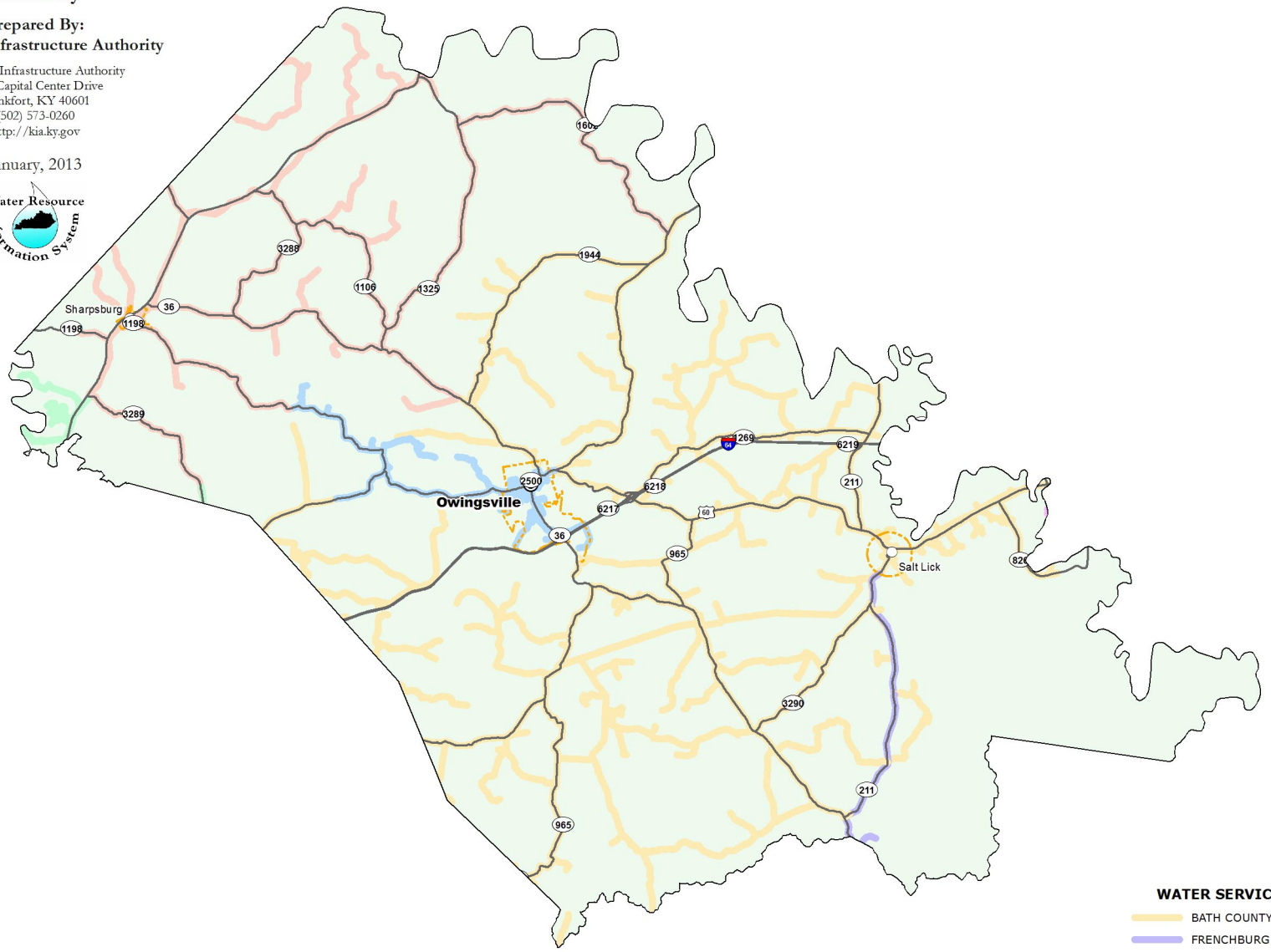
WATER SERVICE AREAS
BATH COUNTY
Kentucky

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



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	8	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$27.82 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	3,761
Residential Customers	3,667	Total Produced (MG)	-
Commercial Customers	85	Total Purchased (MG)	423.327
Institutional Customers	-	Total Inside Usage (MG)	203.935
Industrial Customers	6	Total Wholesale Sold (MG)	179.103
Wholesale Customers	3	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 293.64 miles (Distribution: 286.84 miles, Transmission: 6.80 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
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21011016	Bath County Water District Standby Power Generator Project	6-10 Years	Not Funded	$120,000	Bath	17	4
WX21011027	Bath County Water District Scattered Site System Improvement Project	3-5 Years	Not Funded	$140,000	Bath	44	7

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	$23.18 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$26.67 per 4,000 gallons.	Total Connections	853
Residential Customers	757	Total Produced (MG)	-
Commercial Customers	80	Total Purchased (MG)	105.556
Institutional Customers	15	Total Inside Usage (MG)	75.175
Industrial Customers	-	Total Wholesale Sold (MG)	12.298
Wholesale Customers	1	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 26.59 miles (Distribution: 26.19 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
WX21011030	City of Owingsville Atkinson Road Waterline Extension Project	6-10 Years	Not Funded	$100,000	Bath	63	9

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	$37.94 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	1,451
Residential Customers	1,422	Total Produced (MG)	-
Commercial Customers	26	Total Purchased (MG)	103.847
Institutional Customers	-	Total Inside Usage (MG)	81.494
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 128.64 miles (Distribution: 128.57 miles, Transmission: 0.07 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
WX21011019	Sharpsburg Water District Meter Replacement Project	3-5 Years	Not Funded	$200,000	Bath	14	2
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	$500,000	Bath	15	3
WX21011020	Sharpsburg Water District AC Line Replacement Project	6-10 Years	Not Funded	$300,000	Bath	43	6
WX21011009	Sharpsburg Water District Rich Lan Road Waterline Extension Project	0-2 Years	Not Funded	$136,086	Bath	45	8

Menifee County

- 2010 census population of 6,306 (3,744 households) with 93% serviceable.
- Projected 2020 population of 6,038 (change of -268).
- Menifee County has 237.23 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: $116,150.
- 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 93 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 6,990 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	1	$25,000	-	6,990	-	-	-
City of Frenchburg	2	$1,523,150	31	-	7.00	-	-
Totals:	**3**	**$1,548,150**	**31**	**6,990**	**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	4,888	3,048
KY0060022	Bath County Water District	Bath	1,016	429
KY0870212	City of Jeffersonville	Montgomery	43	18
		Totals:	5,947	3,495

Kentucky Infrastructure Authority
February 19, 2016

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

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	3	Wholesale Purchaser	No
Non-Municipal Cost	$9.80 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	
Residential Customers	-	Total Produced (MG)	349.648
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	9.000
Industrial Customers	-	Total Wholesale Sold (MG)	327.785
Wholesale Customers	3	Estimated Pct. Water Loss	4%
Total Distribution System Line Length = 32.73 miles (Distribution: 0.00 miles, Transmission: 32.73 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
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	$25,000	Menifee	48	3

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	2,783
Residential Customers	2,697	Total Produced (MG)	-
Commercial Customers	84	Total Purchased (MG)	155.510
Institutional Customers	-	Total Inside Usage (MG)	133.080
Industrial Customers	-	Total Wholesale Sold (MG)	5.249
Wholesale Customers	2	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 193.48 miles (Distribution: 191.59 miles, Transmission: 1.88 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
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	$91,150	Menifee	27	1
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	6-10 Years	Not Funded	$1,432,000	Menifee	46	2
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	$25,000	Menifee	48	3

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 377.63 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: $2,486,900.
- Estimated funding needs for projects from 6 to 10 years: $2,006,045.

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 22 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 78,247 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			
Bath County Water District	1	$120,000	-	-	-	-	-
City of Jeffersonville	8	$432,000	2	7,327	2.00	-	-
Judy Water Association Inc	2	$300,000	-	2,865	-	-	-
Levee Road Water Association Inc	6	$411,945	19	2,808	2.00	-	-
Montgomery County Water District #1	3	$155,000	-	1,165	-	-	-
Mount Sterling Water and Sewer	12	$3,054,000	1	63,797	1.00	3.00	-
Reid Village Water District	1	$20,000	-	285	-	-	-
Totals:	**33**	**$4,492,945**	**22**	**78,247**	**5.00**	**3.00**	**-**

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	4,580	1,993
KY0870147	Judy Water Association	Montgomery	2,429	1,012
KY0870246	Levee Road Water Association, Inc	Montgomery	2,137	905
KY0870290	Montgomery County Water District #1	Montgomery	1,809	754
KY0870298	Mount Sterling Water and Sewer	Montgomery	12,009	5,524
KY0870367	Reid Village Water District	Montgomery	2,428	1,036
KY0060022	Bath County Water District	Bath	974	416
		Totals:	26,366	11,640

Kentucky Infrastructure Authority
February 19, 2016

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

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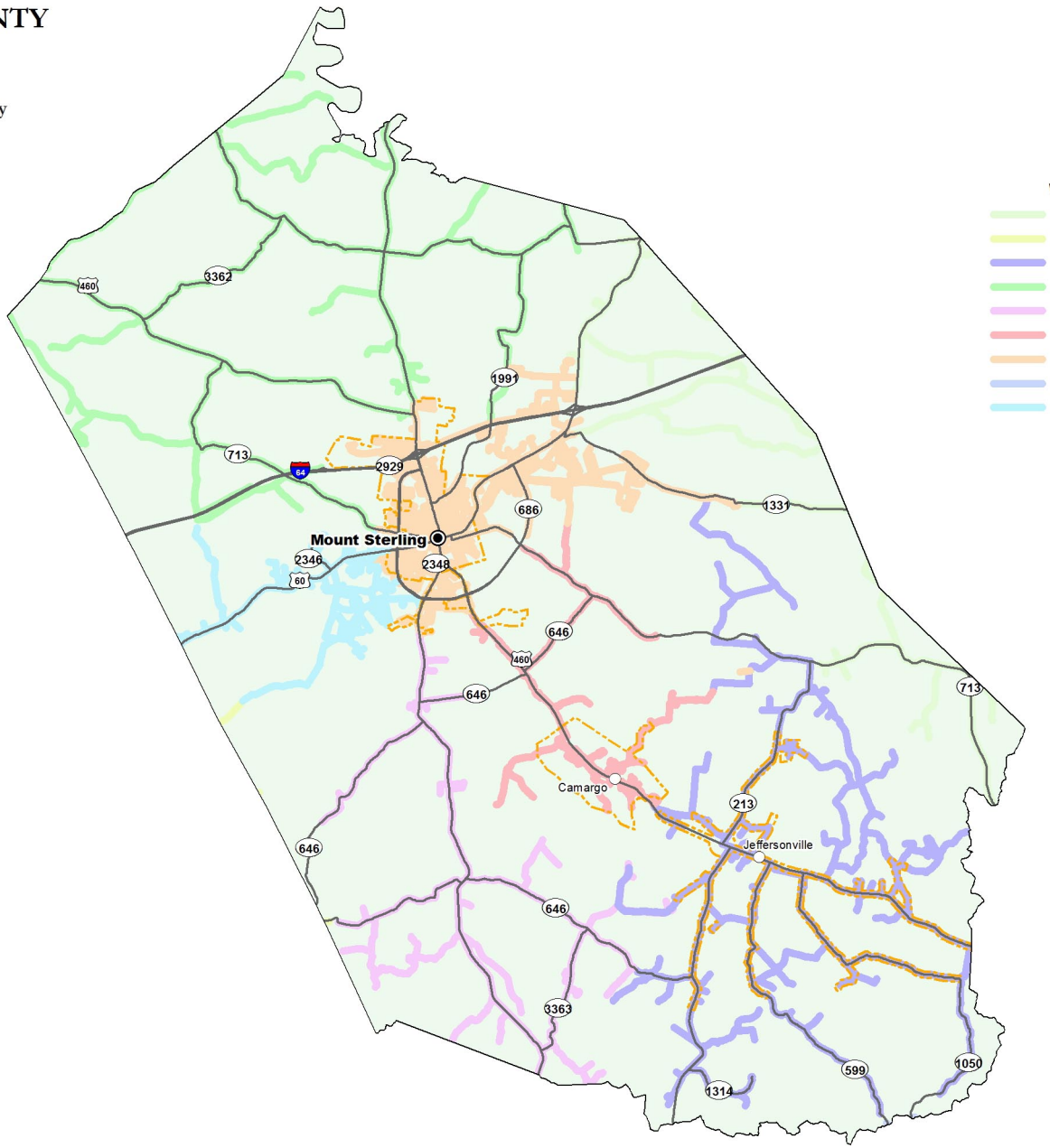


System Summary for City of Jeffersonville

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	1,815
Residential Customers	1,765	Total Produced (MG)	-
Commercial Customers	48	Total Purchased (MG)	100.680
Institutional Customers	-	Total Inside Usage (MG)	84.901
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 83.68 miles (Distribution: 80.56 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
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21173059	City of Jeffersonville Highway 599 Water Tank Rehab Project	6-10 Years	Not Funded	$159,000	Montgomery	23	6
WX21173116	City of Jeffersonville Fay Street Tie In Project	3-5 Years	Not Funded	$15,000	Montgomery	41	21
WX21173072	City of Jeffersonville Office Equipment Upgrade	0-2 Years	Not Funded	$10,000	Montgomery	47	22
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	$25,000	Menifee	48	3
WX21173117	City of Jeffersonville Equipment Project	3-5 Years	Not Funded	$10,000	Montgomery	50	24
WX21173115	City of Jeffersonville Utility Truck Project	3-5 Years	Not Funded	$50,000	Montgomery	51	25
WX21173050	City of Jeffersonville New Cut Rd Line Replacement Project	6-10 Years	Not Funded	$50,000	Montgomery	60	32
WX21173051	City of Jeffersonville Corey Lane Improvement Project	6-10 Years	Not Funded	$18,000	Montgomery	62	34
WX21173126	City of Jeffersonville Lower Spruce Tie In Project	0-2 Years	Not Funded	$120,000	Montgomery	67	38

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	7	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$38.49 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	1,888
Residential Customers	1,871	Total Produced (MG)	-
Commercial Customers	16	Total Purchased (MG)	152.860
Institutional Customers	-	Total Inside Usage (MG)	136.270
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 178.58 miles (Distribution: 178.42 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
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21173121	Judy Water Association Water Tank Inspection Project	3-5 Years	Not Funded	$100,000	Montgomery	18	3
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	$200,000	Montgomery	28	9
WX21173088	Judy Water Association Bourbon County Line Upgrade Project	6-10 Years	Not Funded	$300,000	Montgomery	61	33

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	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$23.90 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	856
Residential Customers	847	Total Produced (MG)	-
Commercial Customers	9	Total Purchased (MG)	51.519
Institutional Customers	-	Total Inside Usage (MG)	42.943
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 39.61 miles (Distribution: 38.62 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
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21173090	Levee Road Water Association Gate Valve Project	3-5 Years	Not Funded	$50,000	Montgomery	22	5
WX21173047	Levee Road Water Association Countryside Drive Waterline Extension	6-10 Years	Not Funded	$246,045	Montgomery	26	8
WX21173107	Levee Road Water Association Phase III Meter Replacement Project	3-5 Years	Not Funded	$100,000	Montgomery	40	20
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	$3,500	Montgomery	49	23
WX21173136	Levee Road Water Association Radio Read Meter Replacement Project	3-5 Years	Not Funded	$2,400	Montgomery	59	31
WX21173138	Levee Road Water Association Fence Replacement Project	6-10 Years	Not Funded	$10,000	Montgomery	64	35

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	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$37.41 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	724
Residential Customers	685	Total Produced (MG)	-
Commercial Customers	38	Total Purchased (MG)	42.459
Institutional Customers	-	Total Inside Usage (MG)	36.763
Industrial Customers	-	Total Wholesale Sold (MG)	0.157
Wholesale Customers	1	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 25.62 miles (Distribution: 23.80 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
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21173110	Montgomery County Water District #1 Fire Hydrant Improvement Project	3-5 Years	Not Funded	$70,000	Montgomery	33	13
WX21173132	Montgomery County Water District #1 Building Project Phase II	3-5 Years	Not Funded	$25,000	Montgomery	53	27
WX21173044	Montgomery County Water District #1 Whitaker Lane Vault Valve Replacement	6-10 Years	Not Funded	$60,000	Montgomery	58	30

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	$22.38 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$24.95 per 4,000 gallons.	Total Connections	5,335
Residential Customers	4,669	Total Produced (MG)	1,032.325
Commercial Customers	614	Total Purchased (MG)	-
Institutional Customers	14	Total Inside Usage (MG)	677.872
Industrial Customers	32	Total Wholesale Sold (MG)	298.733
Wholesale Customers	6	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 108.57 miles (Distribution: 104.72 miles, Transmission: 3.85 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
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21173094	Mt. Sterling Water & Sewer System Automatic Flush Valve Project	3-5 Years	Not Funded	$35,000	Montgomery	21	4
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	$800,000	Montgomery	25	7
WX21173095	Mt. Sterling Water & Sewer System Valve Replacement Project	6-10 Years	Not Funded	$150,000	Montgomery	31	11
WX21173066	Mt. Sterling Water & Sewer System Fire Hydrant Project	6-10 Years	Not Funded	$168,000	Montgomery	32	12
WX21173065	Mt. Sterling Water & Sewer System South Queen Project	3-5 Years	Not Funded	$326,000	Montgomery	35	15
WX21173111	Mount Sterling Water and Sewer Waterline Rehab Projects - Various Sites	6-10 Years	Not Funded	$600,000	Montgomery	36	16
WX21173008	Mt. Sterling Water & Sewer Spencer Road Water Main Extension	6-10 Years	Not Funded	$250,000	Montgomery	38	18
WX21173128	Mt. Sterling Water & Sewer System Equipment Project	6-10 Years	Not Funded	$175,000	Montgomery	52	26
WX21173096	Mt Sterling Water & Sewer System GIS Project	3-5 Years	Not Funded	$225,000	Montgomery	55	28
WX21173135	Mount Sterling Water and Sewer Storage Tank Demolition and Maintenance	3-5 Years	Not Funded	$225,000	Montgomery	56	29

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	$41.20 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	1,132
Residential Customers	1,097	Total Produced (MG)	-
Commercial Customers	35	Total Purchased (MG)	66.085
Institutional Customers	-	Total Inside Usage (MG)	60.891
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 30.24 miles (Distribution: 29.62 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
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	$25,000	Montgomery	8	1
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	$75,000	Montgomery	9	2
WX21173046	Reid Village Water District Wades Mill Tank Mixing System Projec	3-5 Years	Not Funded	$20,000	Montgomery	37	17

Morgan County

- 2010 census population of 13,923 (5,830 households) with 88% serviceable.
- Projected 2020 population of 14,023 (change of 100).
- Morgan County has 424.84 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: $1,190,900.
- There are no projects planned from 6 to 10 years.

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 88 percent of the county's households based on 2010 census counts. Over the next ten years approximately 6,931 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	5	$890,900	-	1,763	-	1.00	-
Morgan County Water District	2	$300,000	-	5,168	-	-	-
Totals:	**7**	**$1,190,900**	**-**	**6,931**	**-**	**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	3,417	851
KY0880594	Morgan County Water District	Morgan	8,335	3,860
KY0220555	Rattlesnake Ridge Water District	Carter	98	45
KY0320383	Sandy Hook Water District	Elliott	272	149
KY0830148	City of Frenchburg	Menifee	89	77
KY1030375	Rowan Water, Inc	Rowan	231	105
KY1190061	Campton Water System	Wolfe	58	33
		Totals:	12,500	5,120

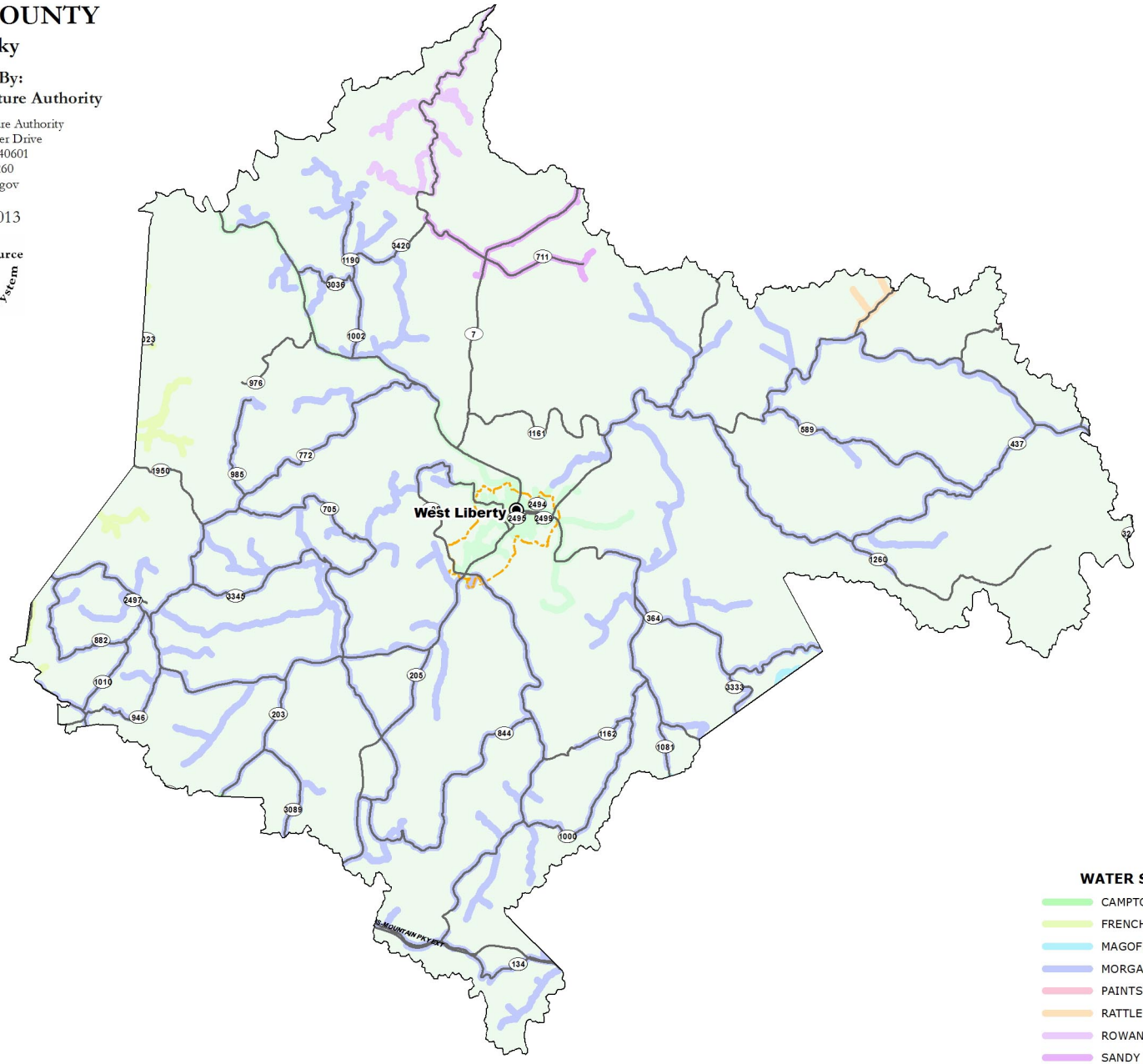
Kentucky Infrastructure Authority
February 19, 2016

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



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	10	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	$57.84 per 4,000 gallons.	Total Connections	813
Residential Customers	660	Total Produced (MG)	324.941
Commercial Customers	135	Total Purchased (MG)	-
Institutional Customers	14	Total Inside Usage (MG)	155.000
Industrial Customers	3	Total Wholesale Sold (MG)	118.739
Wholesale Customers	1	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 48.43 miles (Distribution: 28.26 miles, Transmission: 20.16 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
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	$170,600	Morgan	1	1
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	$209,600	Morgan	2	2
WX21175021	City of West Liberty Davis Lane Waterline Replacement Project	3-5 Years	Not Funded	$135,700	Morgan	16	3
WX21175030	City of West Liberty Broadway, Main, and Prestonburg Streets Line Replacement Project	3-5 Years	Not Funded	$300,000	Morgan	19	4
WX21175009	City of West Liberty McClain Way Increase Pressure Project	3-5 Years	Not Funded	$75,000	Morgan	20	5

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	6	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$37.75 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	2,671
Residential Customers	2,566	Total Produced (MG)	-
Commercial Customers	103	Total Purchased (MG)	199.844
Institutional Customers	-	Total Inside Usage (MG)	118.338
Industrial Customers	-	Total Wholesale Sold (MG)	0.005
Wholesale Customers	3	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 336.87 miles (Distribution: 331.43 miles, Transmission: 5.44 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
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	$170,600	Morgan	1	1
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	$209,600	Morgan	2	2
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	$25,000	Menifee	48	3
WX21175020	Morgan County Water District Equipment Project	3-5 Years	Not Funded	$100,000	Morgan	54	6
WX21175013	Morgan County District Water Tank Rehab Project	3-5 Years	Not Funded	$200,000	Morgan		

Rowan County

- 2010 census population of 23,333 (10,102 households) with 98% serviceable.
- Projected 2020 population of 24,708 (change of 1,375).
- Rowan County has 446.98 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.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,329,560.
- Estimated funding needs for projects from 6 to 10 years: $950,000.

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 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 48,626 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			
Morehead Utility Plant Board	8	$3,429,560	-	40,514	-	4.00	-
Rowan Water Inc	2	$850,000	-	8,112	-	-	-
Totals:	**10**	**$4,279,560**	**-**	**48,626**	**-**	**4.00**	**-**

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	1,684	178
KY1030292	Morehead Utility Plant Board	Rowan	7,908	3,530
KY1030375	Rowan Water, Inc	Rowan	13,286	6,171
KY0060022	Bath County Water District	Bath	35	17
		Totals:	22,913	9,896

Kentucky Infrastructure Authority
February 19, 2016

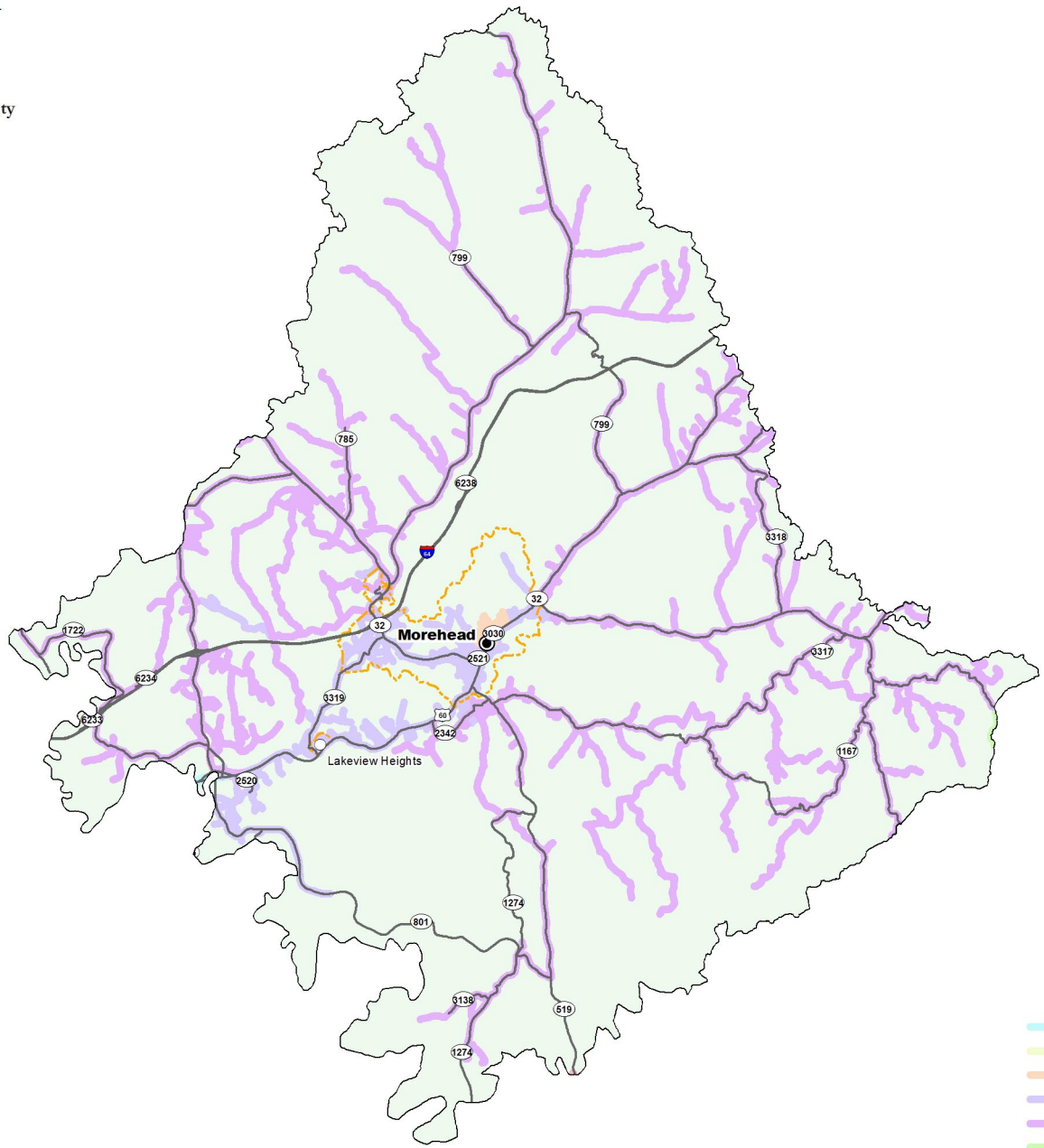
WATER SERVICE AREAS
ROWAN COUNTY
Kentucky

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	14	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)	132.526
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	125.976
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 5.97 miles (Distribution: 4.81 miles, Transmission: 1.17 miles).

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

There are no immediate projects for Morehead State University

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	38	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$21.58 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	$25.88 per 4,000 gallons.	Total Connections	3,375
Residential Customers	2,747	Total Produced (MG)	1,754.203
Commercial Customers	619	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	563.183
Industrial Customers	6	Total Wholesale Sold (MG)	1,065.061
Wholesale Customers	3	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 93.50 miles (Distribution: 92.46 miles, Transmission: 1.04 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
WX21205045	Morehead Utility Plant Board MMRC Water Tank Rehabilitation	0-2 Years	Not Funded	$320,440	Rowan	4	1
WX21205027	Morehead Utility Plant Board Paint US 60 Water Tank Project	0-2 Years	Not Funded	$256,920	Rowan	5	2
WX21205041	Morehead Utility Plant Board Water Treatment Plant Improvement Project	3-5 Years	Not Funded	$200,000	Rowan	6	3
WX21205039	Morehead Utility Plant Board 500,000 Gallon Water Tank Project	6-10 Years	Not Funded	$800,000	Rowan	7	4
WX21205042	Morehead Utility Plant Board Radio Read Meter and Technology Project	3-5 Years	Not Funded	$700,000	Rowan	10	5
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	$900,000	Rowan	11	6
WX21205028	Morehead Utility Plant Board Guardian Pump Station Rehabilitation	0-2 Years	Not Funded	$102,200	Rowan	12	7
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	6-10 Years	Not Funded	$150,000	Rowan	42	10

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	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$31.40 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	6,817
Residential Customers	6,713	Total Produced (MG)	-
Commercial Customers	100	Total Purchased (MG)	673.001
Institutional Customers	-	Total Inside Usage (MG)	478.500
Industrial Customers	-	Total Wholesale Sold (MG)	5.407
Wholesale Customers	4	Estimated Pct. Water Loss	28%

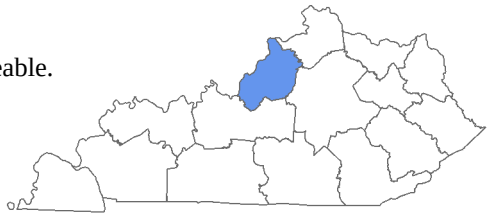
Total Distribution System Line Length = 447.12 miles (Distribution: 446.97 miles, Transmission: 0.15 miles).

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
WX21205043	Rowan Water Inc. Water Tank Rehab Project	3-5 Years	Not Funded	$600,000	Rowan	13	8
WX21205029	Rowan Water Inc. Tank Rehab and Meter Pit Project	0-2 Years	Not Funded	$250,000	Rowan	24	9

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).
- 6,304.90 miles of existing water lines.
- 147.00 miles of line extensions proposed in the next 10 years.
- 56.00 miles of line rehabilitation proposed in the next 10 years.
- 91.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $233,003,543.
- Estimated funding needs for projects from 6 to 10 years: $36,529,354.
- Average age of structures: water treatment plants is 20 years; water tanks is 35 years.
- Total number of interconnected systems is 14.
- 184 miles of asbestos concrete pipe currently in use.
- 54 miles of water lines less than 15 years old.
- 124 miles of water lines between 15 and 30 years old.
- 427 miles of water lines between 31 and 50 years old.
- 1,073 miles of water lines between 51 and 70 years old.
- 412 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 96,372 serviceable households will be added through the construction of 147.00 miles of water line extensions and approximately 46,409 instances of improved service through the rehabilitation of 56.00 miles of existing water lines and other appurtenances. 91.00 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	28,122	96%	$ 20,074,800
Henry	15,416	6,640	15,915	6,405	6,327	95%	$ 9,424,855
Jefferson	741,096	337,616	793,817	336,744	334,993	99%	$ 120,459,908
Oldham	60,316	20,688	74,990	26,354	17,914	87%	$ 22,020,750
Shelby	42,074	16,606	51,944	19,663	16,198	98%	$ 82,810,312
Spencer	17,061	6,704	23,655	9,025	6,345	95%	$ 4,860,172
Trimble	8,809	3,930	9,514	3,855	3,621	92%	$ 9,882,100
Totals	**959,091**	**421,502**	**1,058,343**	**437,016**	**413,520**	**98%**	**$ 269,532,897**

Kentucky Infrastructure Authority
February 19, 2016

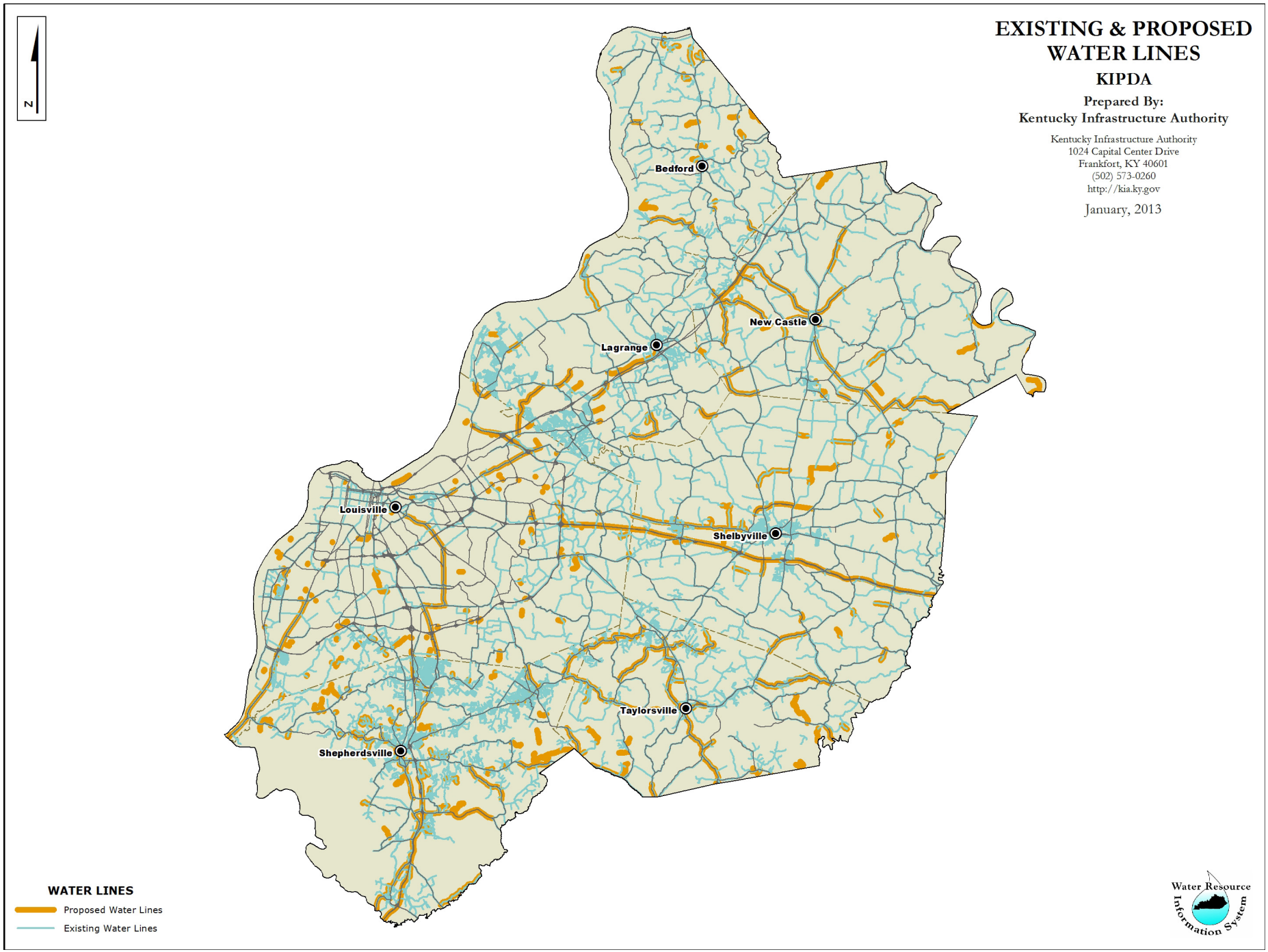
EXISTING & PROPOSED WATER LINES

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	933
KY0150300	Mount Washington Water & Sewer Company	Bullitt	19,320	7,681
KY0520122	Eminence Water Works	Henry	2,525	1,091
KY0520192	Henry County Water District #2	Henry	14,537	6,106
KY0520520	New Castle Water Works	Henry	930	428
KY0560258	Louisville Water Company	Jefferson	806,903	362,013
KY0930481	Lagrange Utilities Commission	Oldham	6,796	2,692
KY0930333	Oldham County Water District	Oldham	19,840	5,829
KY1060324	North Shelby Water Company	Shelby	10,908	4,363
KY1060394	Shelbyville Municipal Water & Sewer Commission	Shelby	22,016	8,913
KY1060436	US 60 Water District	Shelby	4,939	2,066
KY1060457	West Shelby Water District	Shelby	5,127	1,975
KY1080425	Taylorsville Water Works	Spencer	18,681	7,298
KY1120289	Milton Water & Sewer Department	Trimble	2,372	1,133
KY1120431	Trimble County Water District #1	Trimble	3,518	1,525
		Totals:	940,603	414,046

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21185013	Halls Hill Road Extension	3-5 Years	Not Funded	$360,000	Oldham	1	1
WX21111164	Hardin County/FT Knox Transmission	3-5 Years	Partially Funded	$19,492,000	Jefferson	2	1
WX21029280	Halls Lane Water Main Extension	3-5 Years	Not Funded	$262,000	Bullitt	3	1
WX21215003	Kings Church Road/Dales Lane SR 1319	0-2 Years	Not Funded	$525,000	Spencer	4	1
WX21103059	New Castle Water Main Replacement (South Main St - KY 421)	3-5 Years	Not Funded	$210,000	Henry	5	1
WX21211042	North Shelby Water Tank	3-5 Years	Not Funded	$1,100,000	Shelby	6	1
WX21223037	System Reliability Upgrades	0-2 Years	Not Funded	$480,000	Trimble	7	1
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	8	2
WX21111168	North Shelby Regional Storage	3-5 Years	Not Funded	$2,500,000	Jefferson	9	2
WX21185030	Storage Tank US 42 and Liberty Lane	0-2 Years	Partially Funded	$2,200,000	Oldham	10	2
WX21103054	Elm Street Water Main Extension	6-10 Years	Not Funded	$159,826	Henry	11	2
WX21215005	Bloomfield Road – South SR 55 Upgrade	6-10 Years	Not Funded	$220,000	Spencer	12	2
WX21029166	Roe Hill Road	6-10 Years	Not Funded	$192,500	Bullitt	13	2
WX21029290	New Water Tower at Armstrong Lane	0-2 Years	Over Funded	$3,437,500	Bullitt	15	3
WX21223004	Tilley Lane Ext.	3-5 Years	Not Funded	$125,000	Trimble	16	3
WX21111163	Water Main Rehabilitation	3-5 Years	Partially Funded	$7,455,001	Jefferson	17	3
WX21185017	South Highway 1694 Extension	3-5 Years	Not Funded	$390,000	Oldham	18	3
WX21215006	Bloomfield Road North SR 55 - Upgrade	3-5 Years	Not Funded	$85,000	Spencer	19	3
WX21103052	City of New Castle - East College St. Water Line Replacement	3-5 Years	Not Funded	$89,000	Henry	20	3
WX21223031	Barebone Rd Waterline Extension	3-5 Years	Not Funded	$50,000	Trimble	21	4
WX21185050	18-inch water main connecting Buckner Crossing with Quality Place	6-10 Years	Not Funded	$1,600,000	Oldham	22	4
WX21029282	Water Main - Kings Hollow Road	3-5 Years	Not Funded	$288,000	Bullitt	23	4
WX21215002	Mill Road Upgrade SR 1795	6-10 Years	Not Funded	$330,000	Spencer	24	4
WX21111161	Crittenden Drive, 5018 to 7800 Block	3-5 Years	Not Funded	$700,000	Jefferson	25	4
WX21103057	Turkey Run Waterline	3-5 Years	Not Funded	$190,229	Henry	26	4
WX21223010	S. Spillman Lane Ext.	6-10 Years	Not Funded	$70,000	Trimble	27	5
WX21111169	English Station Storage	3-5 Years	Not Funded	$10,700,000	Jefferson	28	5
WX21215007	Normandy Road – Upgrade	3-5 Years	Not Funded	$225,000	Spencer	29	5
WX21029208	Derby - Walnut - Bank Street Upgrades	3-5 Years	Not Funded	$79,200	Bullitt	30	5
WX21103048	City of New Castle - College St Water Line Replacement	3-5 Years	Not Funded	$104,000	Henry	31	5
WX21111172	Vernetta Way Water Main Extension	3-5 Years	Partially Funded	$210,000	Jefferson	32	6
WX21215014	Goose Creek Loop Line	3-5 Years	Not Funded	$90,000	Spencer	33	6
WX21223028	Watson Lane Waterline Extension	6-10 Years	Not Funded	$100,000	Trimble	34	6
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	$926,000	Bullitt	35	6

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21111173	Buttermilk Ridge Rd Main Extension	3-5 Years	Partially Funded	$165,000	Jefferson	36	7
WX21223034	Rowlett Lane Waterline Replacement	0-2 Years	Not Funded	$20,000	Trimble	37	7
WX21029241	Ramblin Road Water Main Extension	3-5 Years	Not Funded	$86,000	Bullitt	38	7
WX21215008	Town Hill Road – Upgrade	3-5 Years	Not Funded	$80,000	Spencer	39	7
WX21111186	Harrod's Old Trace Main Extension	6-10 Years	Partially Funded	$362,000	Jefferson	40	8
WX21223035	Sunnyside Dr Waterline Replacement	0-2 Years	Not Funded	$30,000	Trimble	41	8
WX21215009	Southville Pike – SR 44 Upgrade	3-5 Years	Not Funded	$375,000	Spencer	42	8
WX21223033	Milton-Bedford Pike Waterline Extension	3-5 Years	Not Funded	$150,000	Trimble	43	9
WX21215011	Plum Ridge Road Upgrade	6-10 Years	Not Funded	$170,000	Spencer	44	9
WX21223032	Cutshaw Lane Upgrade	3-5 Years	Not Funded	$200,000	Trimble	45	10
WX21215004	Elk Creek/Wilsonville Road Upgrade	6-10 Years	Not Funded	$145,000	Spencer	46	10
WX21223029	Lower Middle Creek Waterline Extension	6-10 Years	Not Funded	$300,000	Trimble	47	11
WX21223021	Trimble Area Optimization Plan	6-10 Years	Not Funded	$2,000,000	Trimble	48	12
			Total Cost:	**$65,028,256**			

Bullitt County

- 2010 census population of 74,319 (29,318 households) with 96% serviceable.
- Projected 2020 population of 88,508 (change of 14,189).
- Bullitt County has 698.24 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 6.00 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: $13,877,900.
- Estimated funding needs for projects from 6 to 10 years: $6,196,900.

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 96 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 18.00 miles of water line extensions and approximately 3,340 instances of improved service through the rehabilitation of 6.00 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 Lebanon Junction	1	$79,200	-	30	-	2.00	-
City of Mount Washington	3	$435,450	20	-	3.00	-	-
City of Taylorsville	1	$525,000	-	160	-	4.00	-
Louisville Water Company	29	$19,035,150	108	3,150	15.00	-	8.00
Totals:	**34**	**$20,074,800**	**128**	**3,340**	**18.00**	**6.00**	**8.00**

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	46,240	18,163
KY0900323	North Nelson Water District	Nelson	1,564	626
KY1080425	Taylorsville Water Works	Spencer	2,006	745
		Totals:	71,248	28,119

Kentucky Infrastructure Authority
February 19, 2016

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

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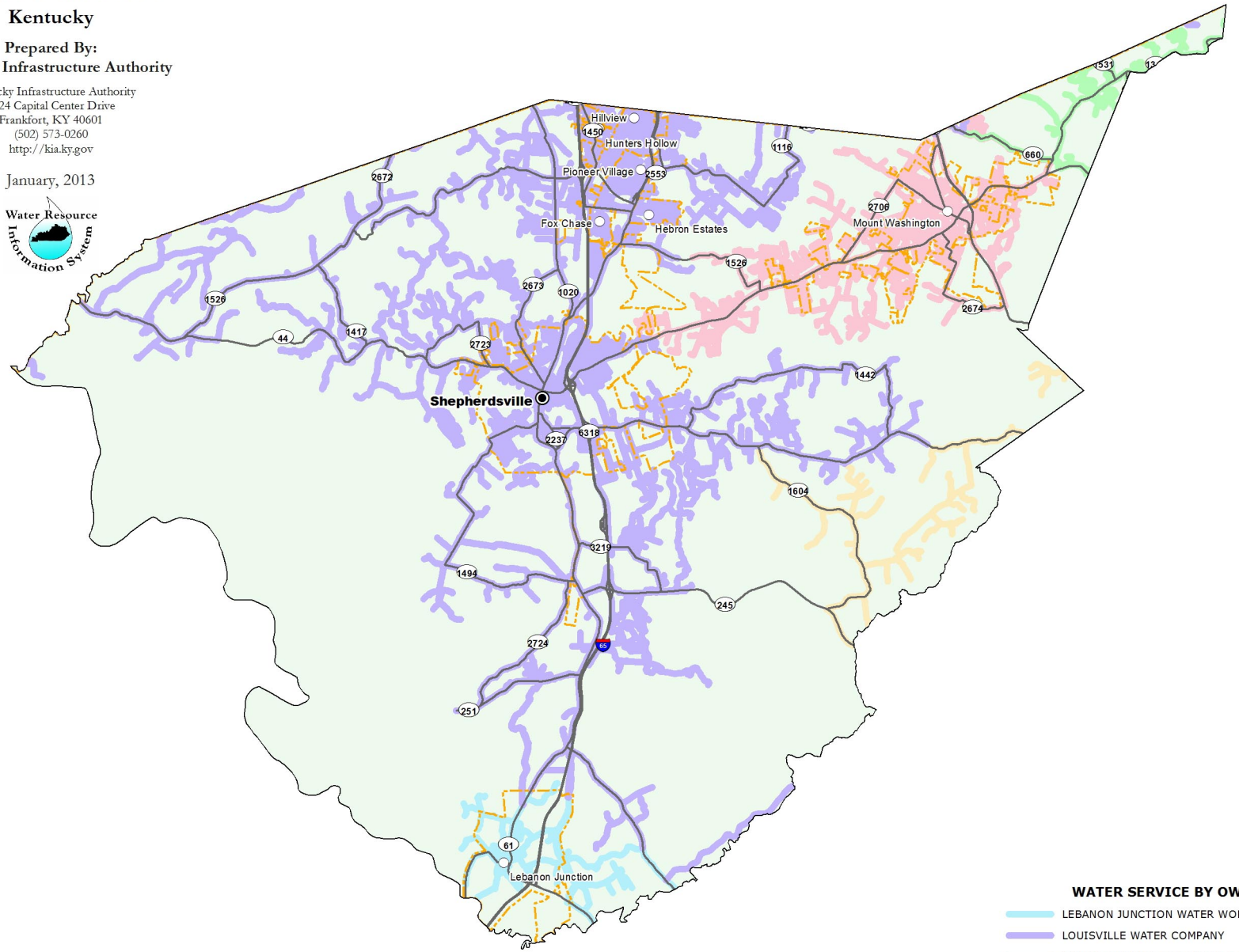
Water Resource Information System



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	$27.48 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)	83.354
Institutional Customers	-	Total Inside Usage (MG)	69.451
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 36.18 miles (Distribution: 32.17 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
WX21029208	Derby - Walnut - Bank Street Upgrades	3-5 Years	Not Funded	$79,200	Bullitt	30	5

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	9,020
Residential Customers	8,621	Total Produced (MG)	-
Commercial Customers	399	Total Purchased (MG)	627.760
Institutional Customers	-	Total Inside Usage (MG)	551.592
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 162.20 miles (Distribution: 118.71 miles, Transmission: 43.49 miles).

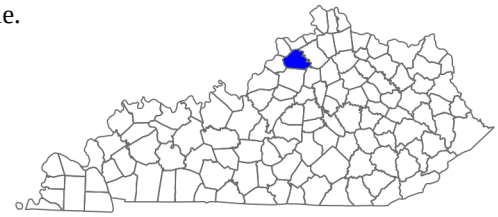
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21029280	Halls Lane Water Main Extension	3-5 Years	Not Funded	$262,000	Bullitt	3	1
WX21029241	Ramblin Road Water Main Extension	3-5 Years	Not Funded	$86,000	Bullitt	38	7
WX21029242	Flatlick Road Water Main Extension Phase I	3-5 Years	Not Funded	$87,450	Bullitt		

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 416.80 miles of existing water lines.
- 33.00 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: $7,115,029.
- Estimated funding needs for projects from 6 to 10 years: $2,309,826.



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 29 serviceable households will be added through the construction of 33.00 miles of water line extensions and approximately 9,799 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 Eminence	3	$586,126	3	2,613	1.00	-	-
City of New Castle	4	$511,000	-	1,616	-	-	-
Henry County Water District #2	12	$6,937,500	16	5,570	19.00	-	15.00
North Shelby Water Company	1	$1,200,000	6	-	13.00	-	-
West Carroll Water District	1	$190,229	4	-	-	-	2.00
Totals:	**21**	**$9,424,855**	**29**	**9,799**	**33.00**	**-**	**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	2,525	1,091
KY0520192	Henry County Water District #2	Henry	11,266	4,789
KY0520520	New Castle Water Works	Henry	930	428
KY1060324	North Shelby Water Company	Shelby	26	13
		Totals:	14,747	6,321

Kentucky Infrastructure Authority
February 19, 2016

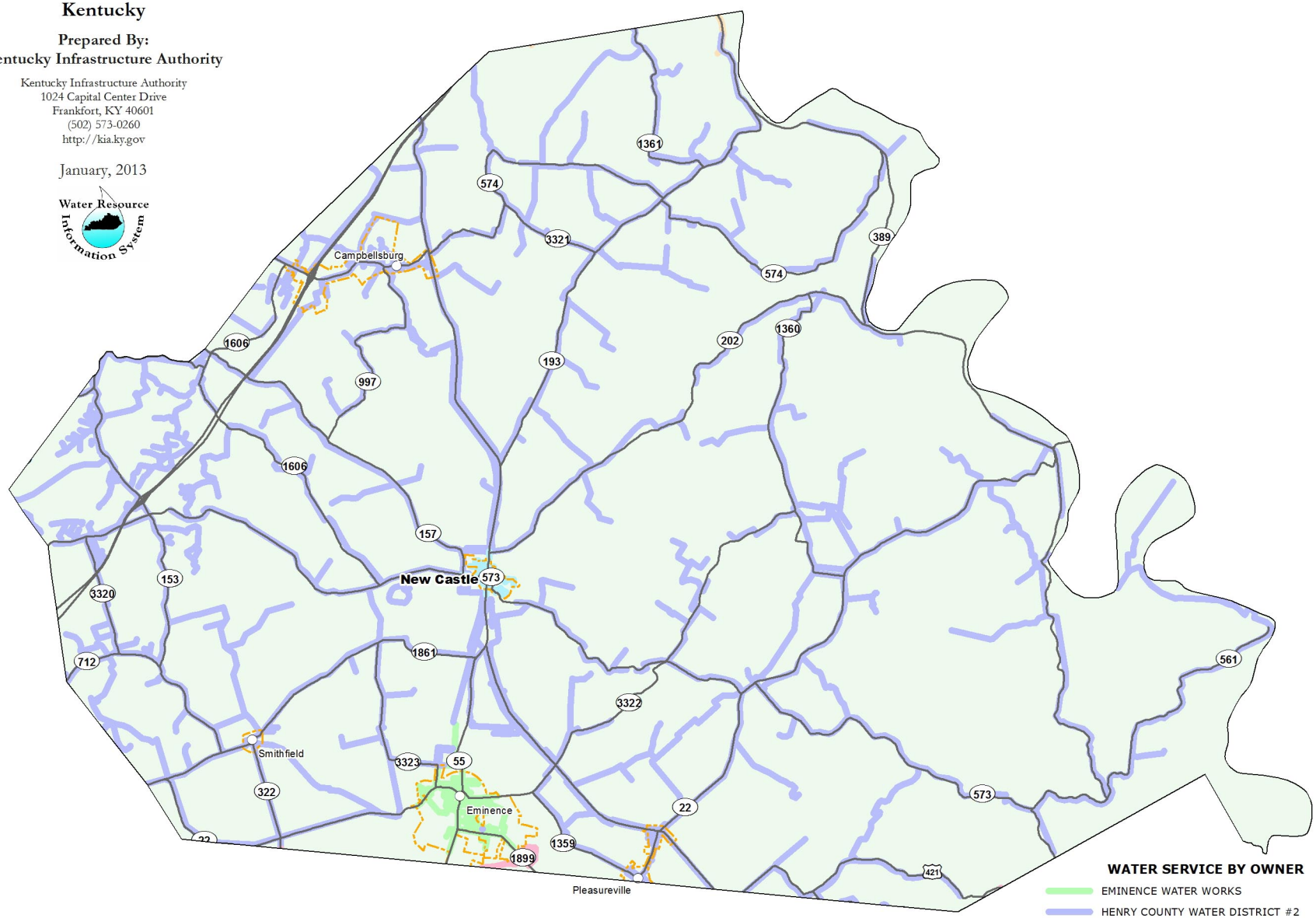
WATER SERVICE AREAS
HENRY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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	$31.80 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	964
Residential Customers	1,019	Total Produced (MG)	-
Commercial Customers	98	Total Purchased (MG)	64.052
Institutional Customers	-	Total Inside Usage (MG)	59.764
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 19.84 miles (Distribution: 19.47 miles, Transmission: 0.37 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21103054	Elm Street Water Main Extension	6-10 Years	Not Funded	$159,826	Henry	11	2
WX21103002	Eminence Water Tank	3-5 Years	Not Funded	$350,000	Henry		
WX21103056	Shawnee Water Line Extension	3-5 Years	Not Funded	$76,300	Henry		

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	$35.61 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	6,353
Residential Customers	6,157	Total Produced (MG)	710.322
Commercial Customers	155	Total Purchased (MG)	-
Institutional Customers	28	Total Inside Usage (MG)	460.025
Industrial Customers	3	Total Wholesale Sold (MG)	88.327
Wholesale Customers	3	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 498.20 miles (Distribution: 471.96 miles, Transmission: 26.23 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
WX21103051	Water Treatment Plant Upgrade	3-5 Years	Not Funded	$5,500,000	Henry		
WX21103038	KY 157 Main Upgrade	3-5 Years	Not Funded	$2,080,000	Henry		
WX21103008	KY 153 Upgrade	6-10 Years	Not Funded	$1,175,000	Henry		
WX21103014	Fallen Timber - New Castle	6-10 Years	Not Funded	$975,000	Henry		
WX21103010	KY 146 Upgrade	3-5 Years	Not Funded	$782,500	Henry		
WX21103011	Sulphur Transmission Main	3-5 Years	Not Funded	$546,000	Henry		
WX21103013	Kentucky River Loop	3-5 Years	Not Funded	$480,000	Henry		
WX21103015	Smithfield Loop	3-5 Years	Not Funded	$459,500	Henry		
WX21103045	Martini Lane to Webb Lane Upgrade	3-5 Years	Not Funded	$300,000	Henry		
WX21103046	Sweeney Lane	3-5 Years	Not Funded	$135,000	Henry		
WX21103012	Dawkins Lane - Hwy 146 & Kavanaugh Lane to Hwy. 1606	3-5 Years	Not Funded	$134,500	Henry		
WX21103033	Albert Moore Road Extension.	3-5 Years	Not Funded	$80,000	Henry		
WX21103043	Bunk Ellis Road	3-5 Years	Not Funded	$50,000	Henry		
WX21103018	Radcliff Road to Hwy 712	3-5 Years	Not Funded	$48,000	Henry		
WX21103019	KY 1359 Loop	3-5 Years	Not Funded	$42,000	Henry		

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	3	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 = 6.08 miles (Distribution: 5.53 miles, Transmission: 0.56 miles).

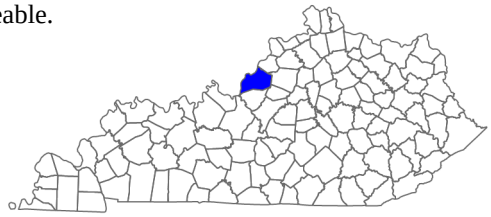
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21103059	New Castle Water Main Replacement (South Main St - KY 421)	3-5 Years	Not Funded	$210,000	Henry	5	1
WX21103052	City of New Castle - East College St. Water Line Replacement	3-5 Years	Not Funded	$89,000	Henry	20	3
WX21103048	City of New Castle - College St Water Line Replacement	3-5 Years	Not Funded	$104,000	Henry	31	5
WX21103050	City of New Castle - Water System Improvements Project	3-5 Years	Not Funded	$108,000	Henry		

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 3,493.96 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: $109,967,048.
- 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 611 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	49	$95,479,708	96,017	611	33.00	6.00	12.00
West Shelby Water District	1	$18,543,200	-	-	-	-	-
Totals:	**51**	**$120,459,908**	**96,017**	**611**	**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	735,361	334,675
KY0150300	Mount Washington Water & Sewer Company	Bullitt	51	18
KY1060324	North Shelby Water Company	Shelby	41	15
KY1060457	West Shelby Water District	Shelby	245	98
KY1080425	Taylorsville Water Works	Spencer	457	187
		Totals:	736,155	334,993

Kentucky Infrastructure Authority
February 19, 2016

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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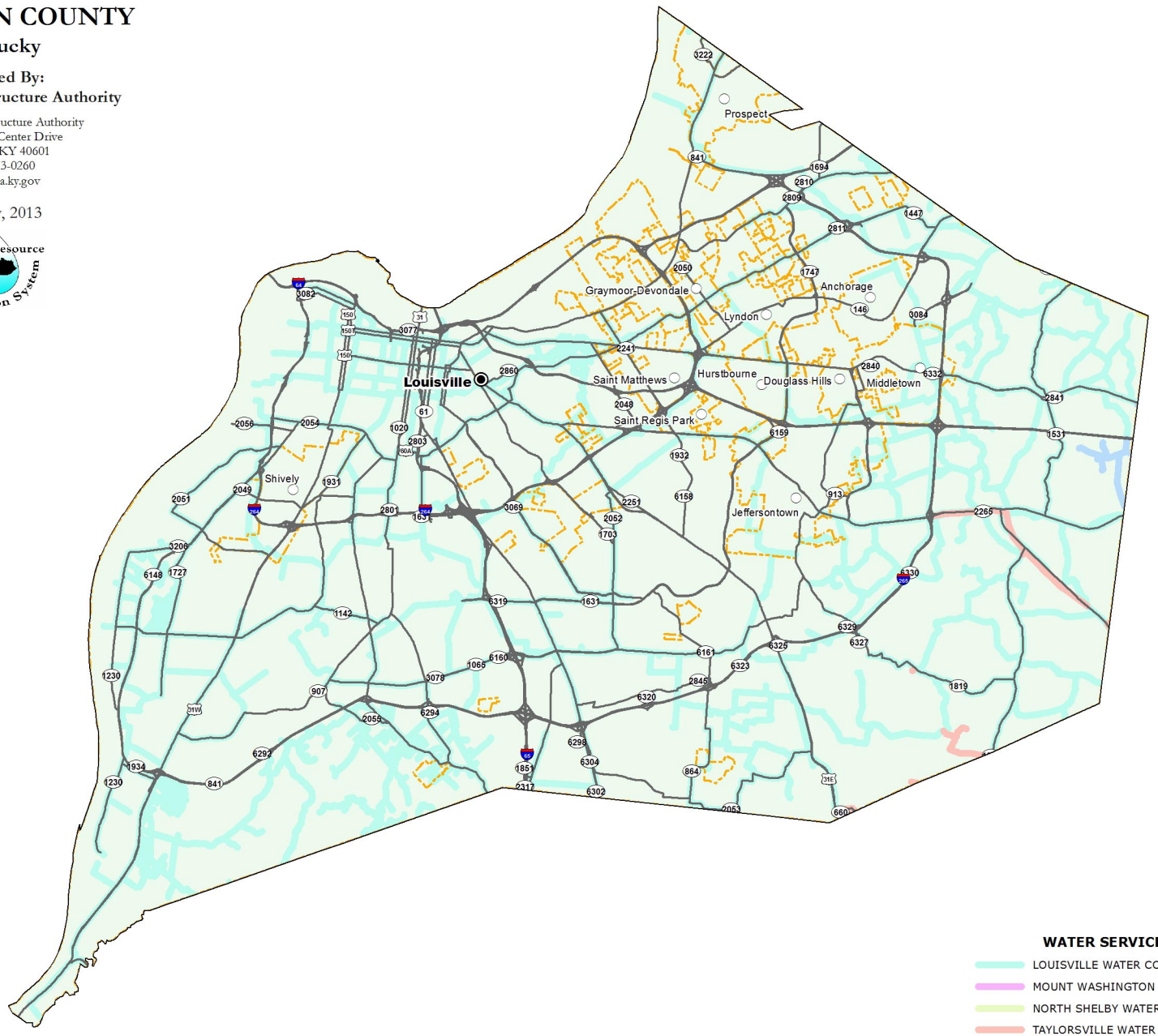
Water Resource Information System



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	No
Employees	419	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 6 purchasers.
Inside Mun. Cost	$20.11 per 4,000 gallons.	Storage Capacity	No
Outside Mun. Cost	$20.11 per 4,000 gallons.	Total Connections	284,301
Residential Customers	244,138	Total Produced (MG)	42,500.000
Commercial Customers	22,617	Total Purchased (MG)	-
Institutional Customers	617	Total Inside Usage (MG)	30,346.349
Industrial Customers	384	Total Wholesale Sold (MG)	1,929.130
Wholesale Customers	6	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 4,120.01 miles (Distribution: 4,120.01 miles, Transmission: 0.00 miles).

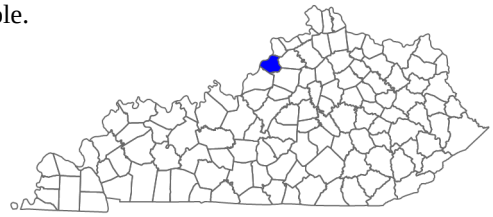
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21185013	Halls Hill Road Extension	3-5 Years	Not Funded	$360,000	Oldham	1	1
WX21111164	Hardin County/FT Knox Transmission	3-5 Years	Partially Funded	$19,492,000	Jefferson	2	1
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	8	2
WX21111168	North Shelby Regional Storage	3-5 Years	Not Funded	$2,500,000	Jefferson	9	2
WX21029166	Roe Hill Road	6-10 Years	Not Funded	$192,500	Bullitt	13	2
WX21111163	Water Main Rehabilitation	3-5 Years	Partially Funded	$7,455,001	Jefferson	17	3
WX21185017	South Highway 1694 Extension	3-5 Years	Not Funded	$390,000	Oldham	18	3
WX21029282	Water Main - Kings Hollow Road	3-5 Years	Not Funded	$288,000	Bullitt	23	4
WX21111161	Crittenden Drive, 5018 to 7800 Block	3-5 Years	Not Funded	$700,000	Jefferson	25	4
WX21111169	English Station Storage	3-5 Years	Not Funded	$10,700,000	Jefferson	28	5
WX21111172	Vernetta Way Water Main Extension	3-5 Years	Partially Funded	$210,000	Jefferson	32	6
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	$926,000	Bullitt	35	6
WX21111173	Buttermilk Ridge Rd Main Extension	3-5 Years	Partially Funded	$165,000	Jefferson	36	7
WX21111186	Harrod's Old Trace Main Extension	6-10 Years	Partially Funded	$362,000	Jefferson	40	8
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby		
WX21111175	Lead Service Renewals	3-5 Years	Not Funded	$20,000,000	Jefferson		
WX21111159	Regional Pipeline	3-5 Years	Not Funded	$9,347,847	Jefferson		
WX21029288	Preston Hwy from Collings Hill Rd to Rolling Fork Transmission M	3-5 Years	Not Funded	$6,781,000	Bullitt		

Oldham County

- 2010 census population of 60,316 (20,688 households) with 87% serviceable.
- Projected 2020 population of 74,990 (change of 14,674).
- Oldham County has 443.70 miles of existing water lines.
- 14.00 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: $11,094,750.
- 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 87 percent of the county's households based on 2010 census counts. Over the next ten years approximately 65 serviceable households will be added through the construction of 14.00 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	$10,996,750	53	-	10.00	-	-
Oldham County Water District	8	$11,024,000	12	8,170	4.00	-	-
Totals:	**20**	**$22,020,750**	**65**	**8,170**	**14.00**	**-**	**-**

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	6,796	2,692
KY0930333	Oldham County Water District	Oldham	19,836	5,828
KY0520192	Henry County Water District #2	Henry	606	226
KY0560258	Louisville Water Company	Jefferson	25,272	9,163
		Totals:	52,510	17,909

Kentucky Infrastructure Authority
February 19, 2016

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

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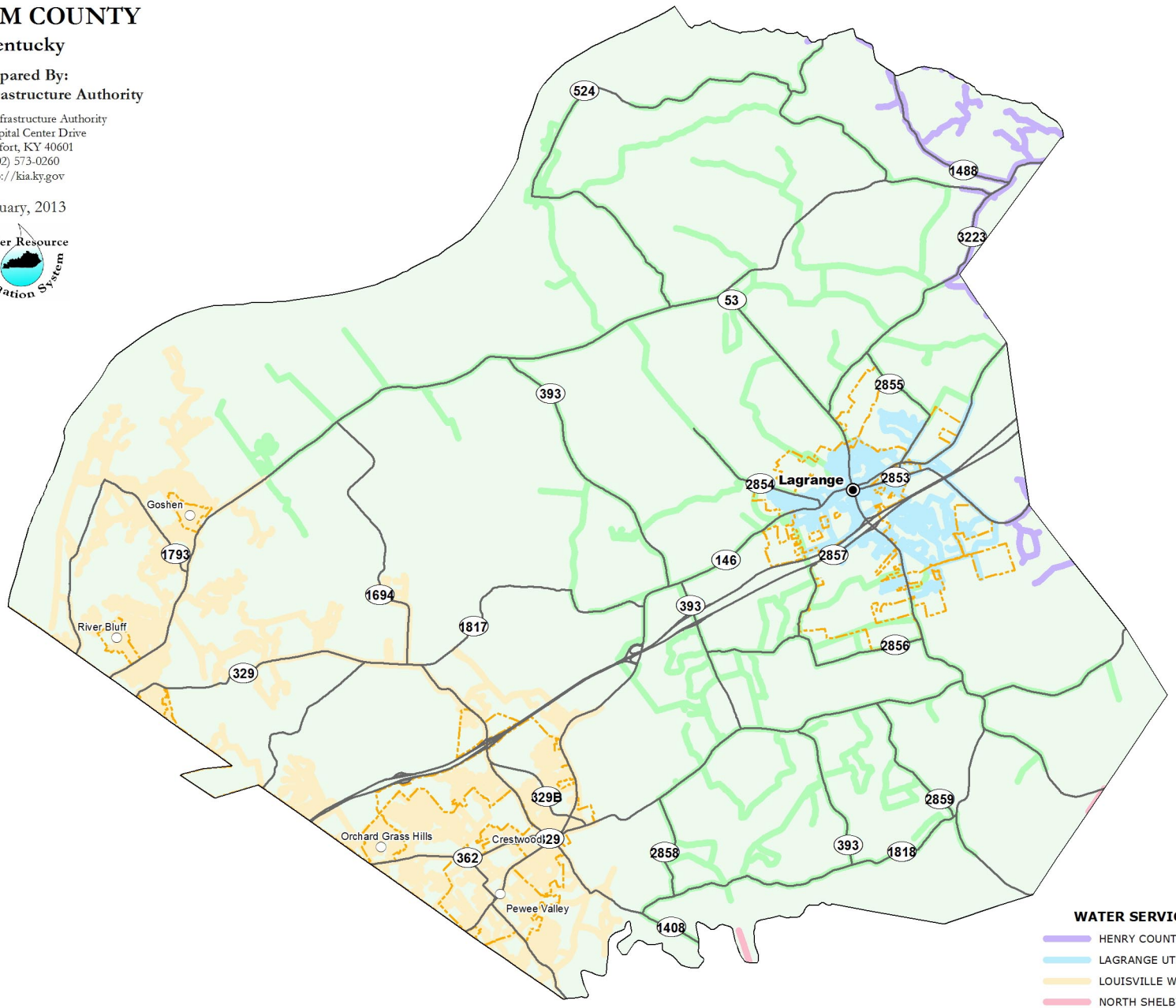
Water Resource Information System



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	$19.78 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$24.76 per 4,000 gallons.	Total Connections	3,440
Residential Customers	2,991	Total Produced (MG)	-
Commercial Customers	337	Total Purchased (MG)	391.218
Institutional Customers	-	Total Inside Usage (MG)	273.923
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%

Total Distribution System Line Length = 59.84 miles (Distribution: 42.96 miles, Transmission: 16.87 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	17	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	7,946
Residential Customers	7,384	Total Produced (MG)	1,428.070
Commercial Customers	346	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	905.217
Industrial Customers	-	Total Wholesale Sold (MG)	391.218
Wholesale Customers	1	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 168.40 miles (Distribution: 166.14 miles, Transmission: 2.26 miles).			

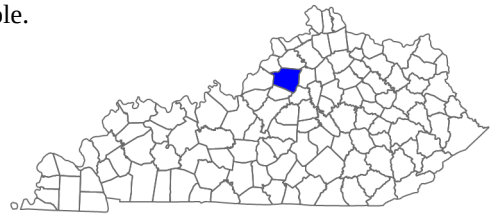
MG = Million Gallons.
MGD = Million Gallons per Day.

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	10	2
WX21185050	18-inch water main connecting Buckner Crossing with Quality Place	6-10 Years	Not Funded	$1,600,000	Oldham	22	4
WX21185051	Central Service Area Water Tank	6-10 Years	Not Funded	$4,000,000	Oldham		
WX21185032	Larger Main, Hwy 393 to Buckeye Lane	3-5 Years	Not Funded	$1,050,000	Oldham		
WX21185010	Westport Well Field Acquisition	3-5 Years	Not Funded	$1,000,000	Oldham		
WX21185002	North West Service Area Water Tank	6-10 Years	Not Funded	$766,000	Oldham		
WX21185006	Oldham Co. Water District Wells Installation	3-5 Years	Not Funded	$750,000	Oldham		
WX21185033	Water Main Along Hwy 53 South to the Shelby County Line	3-5 Years	Not Funded	$358,000	Oldham		
WX21185049	OCWD 20-Year Master Plan	3-5 Years	Not Funded	$50,000	Oldham		

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 637.91 miles of existing water lines.
- 17.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 53.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $79,715,312.
- Estimated funding needs for projects from 6 to 10 years: $3,095,000.



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 17.00 miles of water line extensions and approximately 20,279 instances of improved service through the rehabilitation of 3.00 miles of existing water lines and other appurtenances. 53.00 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	$1,575,000	-	43	-	3.00	-
Henry County Water District #2	1	$50,000	1	-	1.00	-	-
North Shelby Water Company	13	$11,638,017	15	500	12.00	-	12.00
Shelby County Fiscal Court	3	$41,400,000	50	16,500	-	-	22.00
Shelbyville Municipal Water & Sewer Commission	4	$2,247,000	5	10	3.00	-	-
US 60 Water District	5	$5,520,295	2	2,726	1.00	-	5.00
West Shelby Water District	4	$20,380,000	-	500	-	-	14.00
Totals:	**32**	**$82,810,312**	**73**	**20,279**	**17.00**	**3.00**	**53.00**

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 Company	Shelby	8,546	3,315
KY1060394	Shelbyville Municipal Water & Sewer Commission	Shelby	22,009	8,911
KY1060436	US 60 Water District	Shelby	3,619	1,497
KY1060457	West Shelby Water District	Shelby	4,882	1,877
KY0520192	Henry County Water District #2	Henry	689	287
KY0560258	Louisville Water Company	Jefferson	27	11
KY1080425	Taylorsville Water Works	Spencer	685	291
		Totals:	40,457	16,189

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
SHELBY COUNTY
Kentucky

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Kentucky Infrastructure Authority

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

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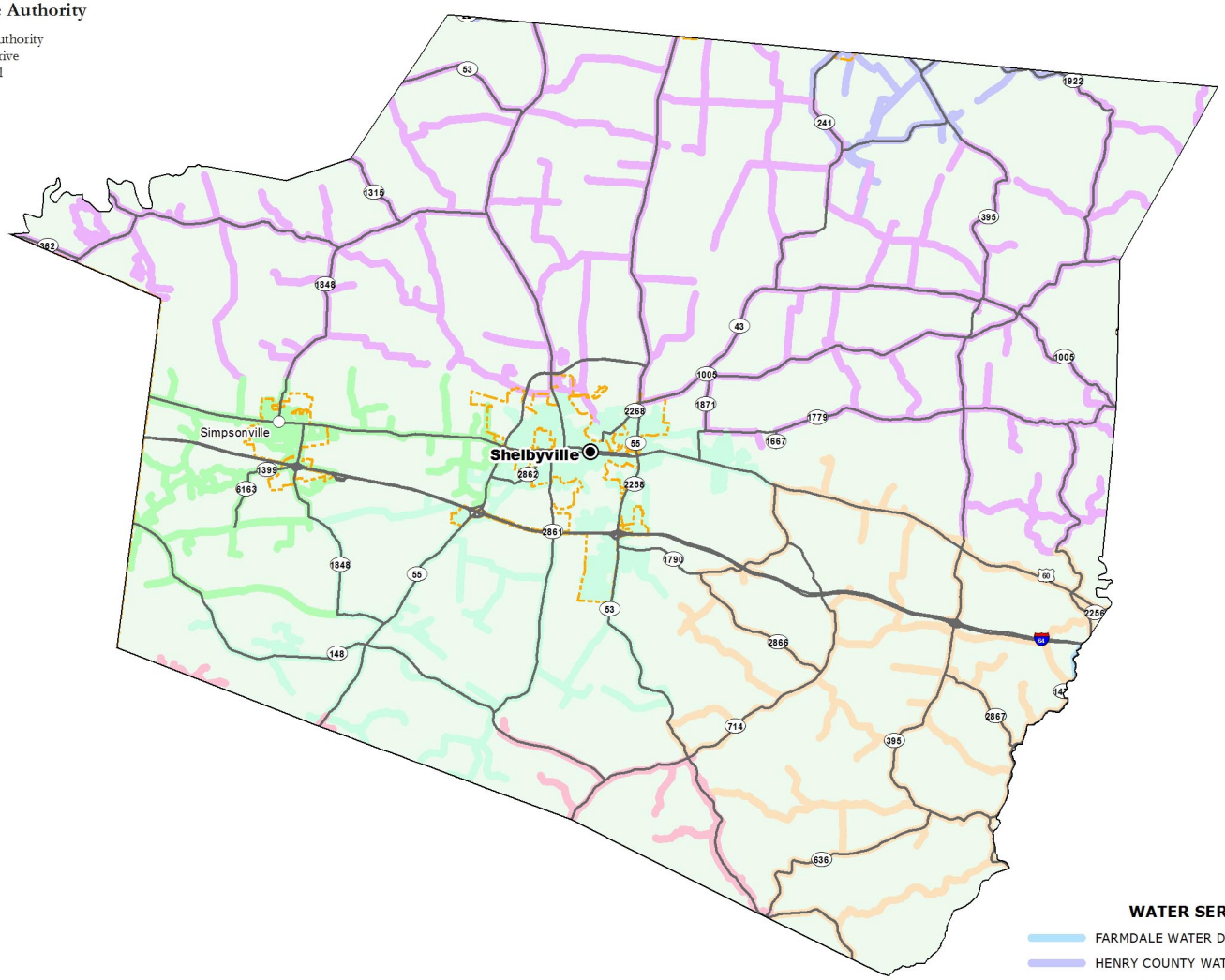


Shelby County (continued)

System Summary for North Shelby Water Company

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	$32.49 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)	421.033
Institutional Customers	-	Total Inside Usage (MG)	391.193
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%

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 Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
WX21211042	North Shelby Water Tank	3-5 Years	Not Funded	$1,100,000	Shelby	6	1
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	8	2
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby		
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby		
WX21211082	East-West Connector - Phase 3	0-2 Years	Not Funded	$3,550,000	Shelby		
WX21211083	East West Connector Phase 4	3-5 Years	Not Funded	$2,525,000	Shelby		
WX21211078	North Shelby Bypass Transmission Main	0-2 Years	Not Funded	$1,732,000	Shelby		
WX21211073	Boone Station to Bagdad/East West Connector	3-5 Years	Not Funded	$1,200,000	Shelby		
WX21211076	North Shelby Pump Station Improvements	0-2 Years	Not Funded	$1,070,000	Shelby		
WX21211053	Bellview Extension/Loop	3-5 Years	Not Funded	$151,399	Shelby		
WX21211052	Clear Creek to Hwy 43	3-5 Years	Not Funded	$56,074	Shelby		
WX21211038	Busey Extension	3-5 Years	Not Funded	$56,074	Shelby		
WX21211044	Catwalk Extension/Loop	3-5 Years	Not Funded	$50,466	Shelby		
WX21211047	Harley Thompson Extension/Loop	3-5 Years	Not Funded	$39,252	Shelby		
WX21211050	Stony Point Extension/Loop	3-5 Years	Not Funded	$39,252	Shelby		

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	$16.40 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	$18.90 per 4,000 gallons.	Total Connections	8,296
Residential Customers	7,865	Total Produced (MG)	980.670
Commercial Customers	469	Total Purchased (MG)	-
Institutional Customers	33	Total Inside Usage (MG)	719.441
Industrial Customers	38	Total Wholesale Sold (MG)	84.592
Wholesale Customers	2	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 184.23 miles (Distribution: 184.23 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
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	8	2
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby		
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby		
WX21211071	Shelbyville Downtown Water Tank	0-2 Years	Partially Funded	$1,947,000	Shelby		
WX21211073	Boone Station to Bagdad/East West Connector	3-5 Years	Not Funded	$1,200,000	Shelby		
WX21211017	Zaring Mill Road Extension	3-5 Years	Not Funded	$175,000	Shelby		
WX21211016	Parallel Extension - Logan Station Rd.	3-5 Years	Not Funded	$75,000	Shelby		
WX21211019	Tatum Road - Locust Grove Connection	3-5 Years	Not Funded	$50,000	Shelby		

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)	180.390
Institutional Customers	-	Total Inside Usage (MG)	146.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 152.93 miles (Distribution: 124.44 miles, Transmission: 28.49 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
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Not Funded	$4,000,000	Franklin	2	1
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	8	2
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby		
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby		
WX21211084	US 60 Transmission Main	0-2 Years	Partially Funded	$2,326,000	Shelby		
WX21211033	Peytona Tank	3-5 Years	Partially Funded	$2,326,000	Shelby		
WX21211073	Boone Station to Bagdad/East West Connector	3-5 Years	Not Funded	$1,200,000	Shelby		
WX21211054	US 60 Water District Radio Reads	6-10 Years	Not Funded	$770,000	Shelby		
WX21211061	Grubbs Lane	6-10 Years	Not Funded	$90,000	Shelby		
WX21215058	Hwy 248 Extension	3-5 Years	Not Funded	$84,480	Spencer		
WX21073014	KY 151 Loop	0-2 Years	Not Funded	$75,000	Franklin		
WX21073015	KY151 Loop - US 60 Water District	0-2 Years	Not Funded	$75,000	Franklin		
WX21215057	Fred Bauer Road Extension	3-5 Years	Not Funded	$12,672	Spencer		
WX21211028	Ritter Road Extension	3-5 Years	Not Funded	$8,295	Shelby		

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)	304.251
Institutional Customers	13	Total Inside Usage (MG)	188.126
Industrial Customers	21	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	38%

Total Distribution System Line Length = 79.47 miles (Distribution: 79.47 miles, Transmission: 0.00 miles).

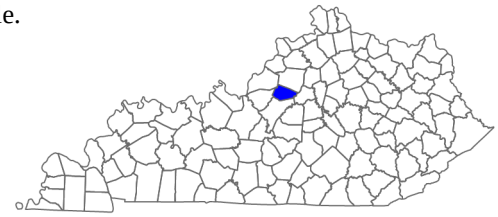
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	$6,000,000	Shelby	8	2
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	$30,200,000	Shelby		
WX21211058	Regional Water Main Extension	3-5 Years	Not Funded	$18,543,200	Shelby		
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	$5,200,000	Shelby		
WX21211009	South Storage Tank At I-64	6-10 Years	Not Funded	$1,000,000	Shelby		
WX21211074	Water System Rehabilitation	3-5 Years	Not Funded	$801,800	Shelby		
WX21211012	Timberwoods - Saratoga Connection	6-10 Years	Not Funded	$35,000	Shelby		

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 343.51 miles of existing water lines.
- 20.00 miles of line extensions proposed in the next 10 years.
- 34.00 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: $3,894,904.
- Estimated funding needs for projects from 6 to 10 years: $965,268.



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 14 serviceable households will be added through the construction of 20.00 miles of water line extensions and approximately 937 instances of improved service through the rehabilitation of 34.00 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	$2,036,644	6	887	3.00	34.00	-
North Nelson Water District	2	$365,376	2	50	3.00	-	-
US 60 Water District	3	$2,423,152	2	-	6.00	-	-
West Shelby Water District	1	$35,000	4	-	8.00	-	-
Totals:	**17**	**$4,860,172**	**14**	**937**	**20.00**	**34.00**	**-**

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	15,488	6,055
KY0900323	North Nelson Water District	Nelson	470	186
KY1060436	US 60 Water District	Shelby	232	94
		Totals:	16,190	6,335

Kentucky Infrastructure Authority
February 19, 2016

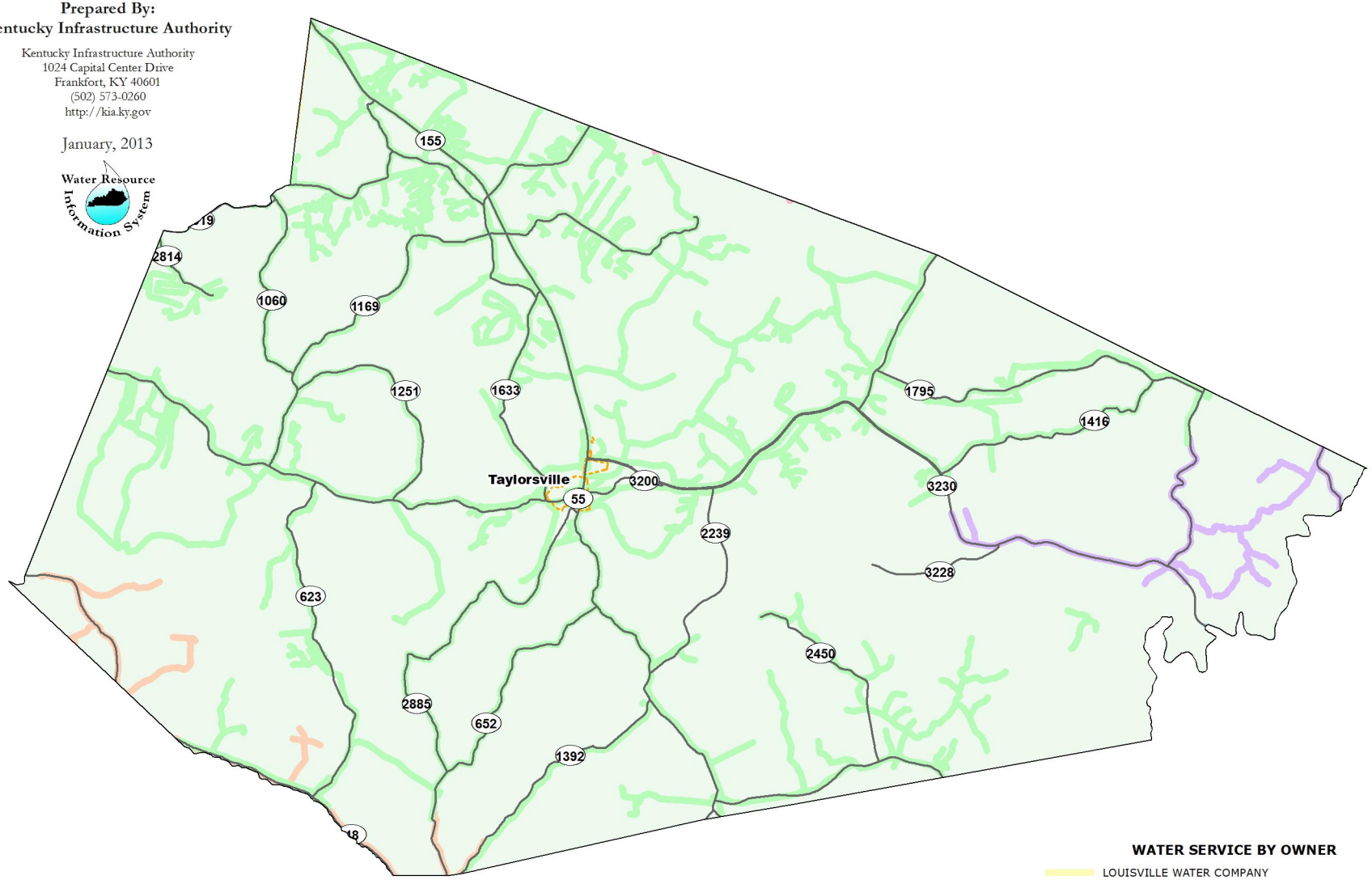
WATER SERVICE AREAS
SPENCER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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	$23.88 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$38.73 per 4,000 gallons.	Total Connections	7,257
Residential Customers	6,574	Total Produced (MG)	-
Commercial Customers	443	Total Purchased (MG)	540.014
Institutional Customers	-	Total Inside Usage (MG)	470.668
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%

Total Distribution System Line Length = 359.57 miles (Distribution: 356.30 miles, Transmission: 3.27 miles).

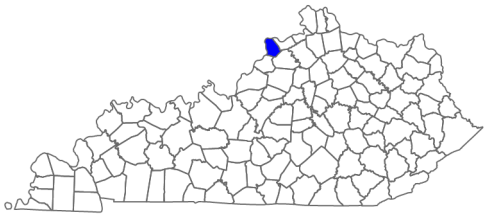
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21215003	Kings Church Road/Dales Lane SR 1319	0-2 Years	Not Funded	$525,000	Spencer	4	1
WX21215005	Bloomfield Road – South SR 55 Upgrade	6-10 Years	Not Funded	$220,000	Spencer	12	2
WX21215006	Bloomfield Road North SR 55 - Upgrade	3-5 Years	Not Funded	$85,000	Spencer	19	3
WX21215002	Mill Road Upgrade SR 1795	6-10 Years	Not Funded	$330,000	Spencer	24	4
WX21215007	Normandy Road – Upgrade	3-5 Years	Not Funded	$225,000	Spencer	29	5
WX21215014	Goose Creek Loop Line	3-5 Years	Not Funded	$90,000	Spencer	33	6
WX21215008	Town Hill Road – Upgrade	3-5 Years	Not Funded	$80,000	Spencer	39	7
WX21215009	Southville Pike – SR 44 Upgrade	3-5 Years	Not Funded	$375,000	Spencer	42	8
WX21215011	Plum Ridge Road Upgrade	6-10 Years	Not Funded	$170,000	Spencer	44	9
WX21215004	Elk Creek/Wilsonville Road Upgrade	6-10 Years	Not Funded	$145,000	Spencer	46	10
WX21215013	Mt. Eden Tank Replacement	6-10 Years	Not Funded	$1,200,000	Spencer		
WX21215043	Overlook Road	3-5 Years	Not Funded	$101,376	Spencer		
WX21215010	Yoder Station Road	6-10 Years	Not Funded	$65,268	Spencer		

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 270.78 miles of existing water lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 7.00 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: $7,338,600.
- Estimated funding needs for projects from 6 to 10 years: $2,543,500.



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 46 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 3,273 instances of improved service through the rehabilitation of 7.00 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 Milton	8	$1,197,800	27	1,290	5.00	6.00	-
Henry County Water District #2	2	$5,800,000	-	-	1.00	-	-
Trimble County Water District #1	9	$2,865,800	10	1,983	5.00	1.00	1.00
West Carroll Water District	1	$18,500	9	-	1.00	-	-
Totals:	**20**	**$9,882,100**	**46**	**3,273**	**12.00**	**7.00**	**1.00**

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	2,366	1,130
KY1120431	Trimble County Water District #1	Trimble	3,518	1,525
KY0210008	West Carroll Water District - Carrollton	Carroll	429	198
KY0520192	Henry County Water District #2	Henry	1,877	767
		Totals:	8,190	3,620

Kentucky Infrastructure Authority
February 19, 2016

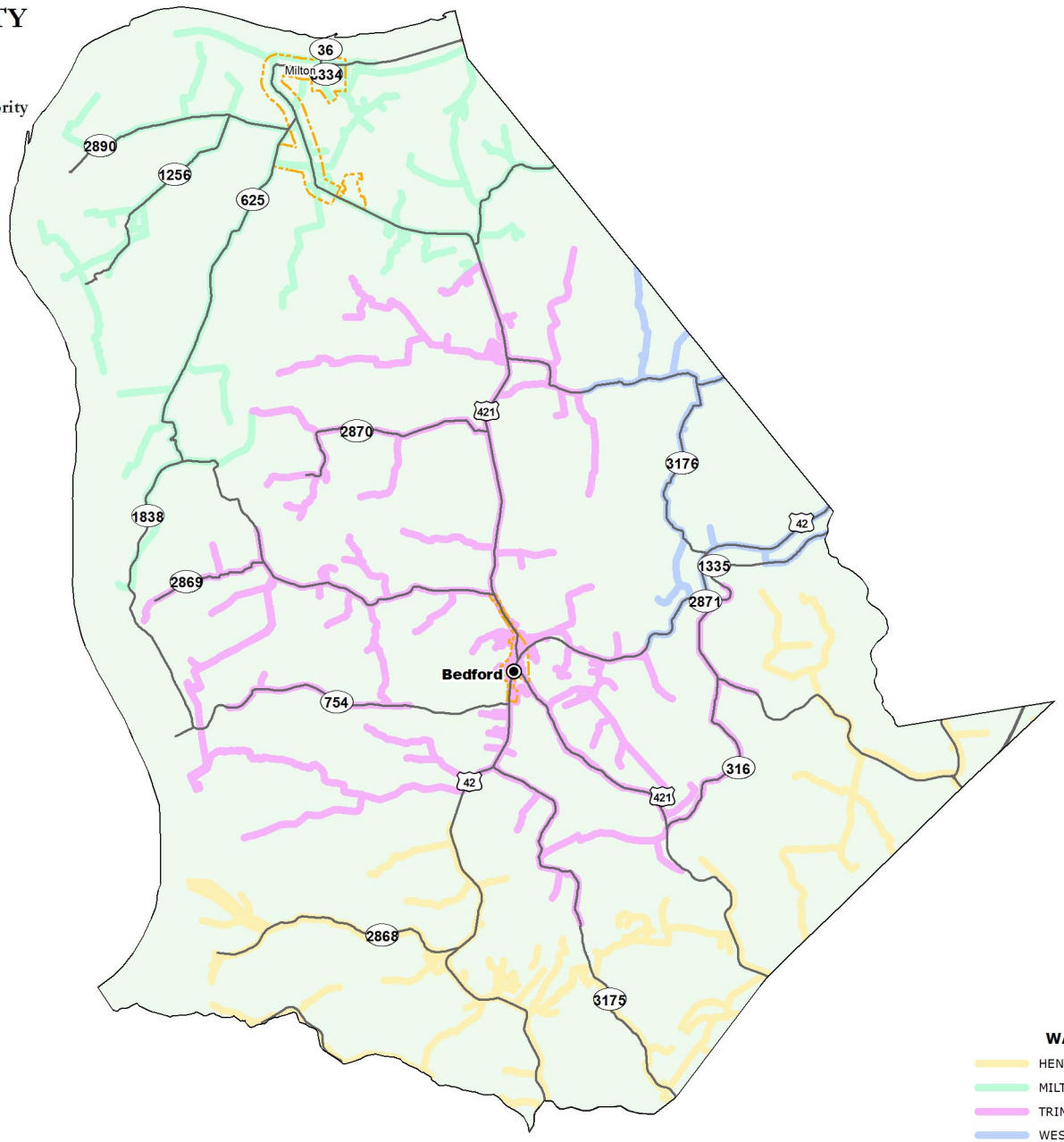
WATER SERVICE AREAS
TRIMBLE COUNTY
Kentucky

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 Resource Information System



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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	1,400
Residential Customers	1,350	Total Produced (MG)	99.230
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	39%
Total Distribution System Line Length = 73.18 miles (Distribution: 55.85 miles, Transmission: 17.33 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
WX21223037	System Reliability Upgrades	0-2 Years	Not Funded	$480,000	Trimble	7	1
WX21223004	Tilley Lane Ext.	3-5 Years	Not Funded	$125,000	Trimble	16	3
WX21223010	S. Spillman Lane Ext.	6-10 Years	Not Funded	$70,000	Trimble	27	5
WX21223030	Meter Replacement Project	0-2 Years	Partially Funded	$400,000	Trimble		
WX21223022	Highway 625-Mt. Pleasant	6-10 Years	Not Funded	$55,000	Trimble		
WX21223006	Mitchell, Cedar Ridge Rd Ext.	3-5 Years	Not Funded	$26,000	Trimble		
WX21223009	Schoolhouse Rd Ext.	3-5 Years	Not Funded	$22,400	Trimble		
WX21223005	Bob Green Rd Ext.	3-5 Years	Not Funded	$19,400	Trimble		

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	$35.78 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	1,466
Residential Customers	1,400	Total Produced (MG)	106.911
Commercial Customers	65	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	101.860
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 112.97 miles (Distribution: 92.31 miles, Transmission: 20.66 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
WX21223028	Watson Lane Waterline Extension	6-10 Years	Not Funded	$100,000	Trimble	34	6
WX21223029	Lower Middle Creek Waterline Extension	6-10 Years	Not Funded	$300,000	Trimble	47	11
WX21223021	Trimble Area Optimization Plan	6-10 Years	Not Funded	$2,000,000	Trimble	48	12
WX21223015	Fairground Rd Ext.	3-5 Years	Not Funded	$15,800	Trimble		

Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 86% serviceable.
- Projected 2020 population of 111,267 (change of -3,495).
- 2,389.24 miles of existing water lines.
- 333.00 miles of line extensions proposed in the next 10 years.
- 10.00 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: $104,028,696.
- Estimated funding needs for projects from 6 to 10 years: $8,196,414.
- Average age of structures: water treatment plants is 24 years; water tanks is 17 years.
- Total number of interconnected systems is 15.
- 44 miles of asbestos concrete pipe currently in use.
- 1,221 miles of water lines less than 15 years old.
- 682 miles of water lines between 15 and 30 years old.
- 438 miles of water lines between 31 and 50 years old.
- 15 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 86 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,710 serviceable households will be added through the construction of 333.00 miles of water line extensions and approximately 41,732 instances of improved service through the rehabilitation of 10.00 miles of existing water lines and other appurtenances. 5.00 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	5,401	87%	$ 16,966,027
Knott	16,346	7,461	15,635	6,332	6,902	93%	$ 28,547,929
Lee	7,887	3,436	7,820	3,014	3,121	91%	$ 1,354,036
Leslie	11,310	5,278	10,603	4,377	4,291	81%	$ 9,740,000
Letcher	24,519	11,601	24,237	10,161	8,140	70%	$ 36,743,948
Owsley	4,755	2,328	4,704	1,971	2,211	95%	$ 9,177,019
Perry	28,712	12,791	28,137	11,637	11,789	92%	$ 6,688,928
Wolfe	7,355	3,660	7,636	3,285	3,303	90%	$ 3,007,223
Totals	**114,762**	**52,786**	**111,267**	**45,823**	**45,158**	**86%**	**$ 112,225,110**

Kentucky Infrastructure Authority
February 19, 2016

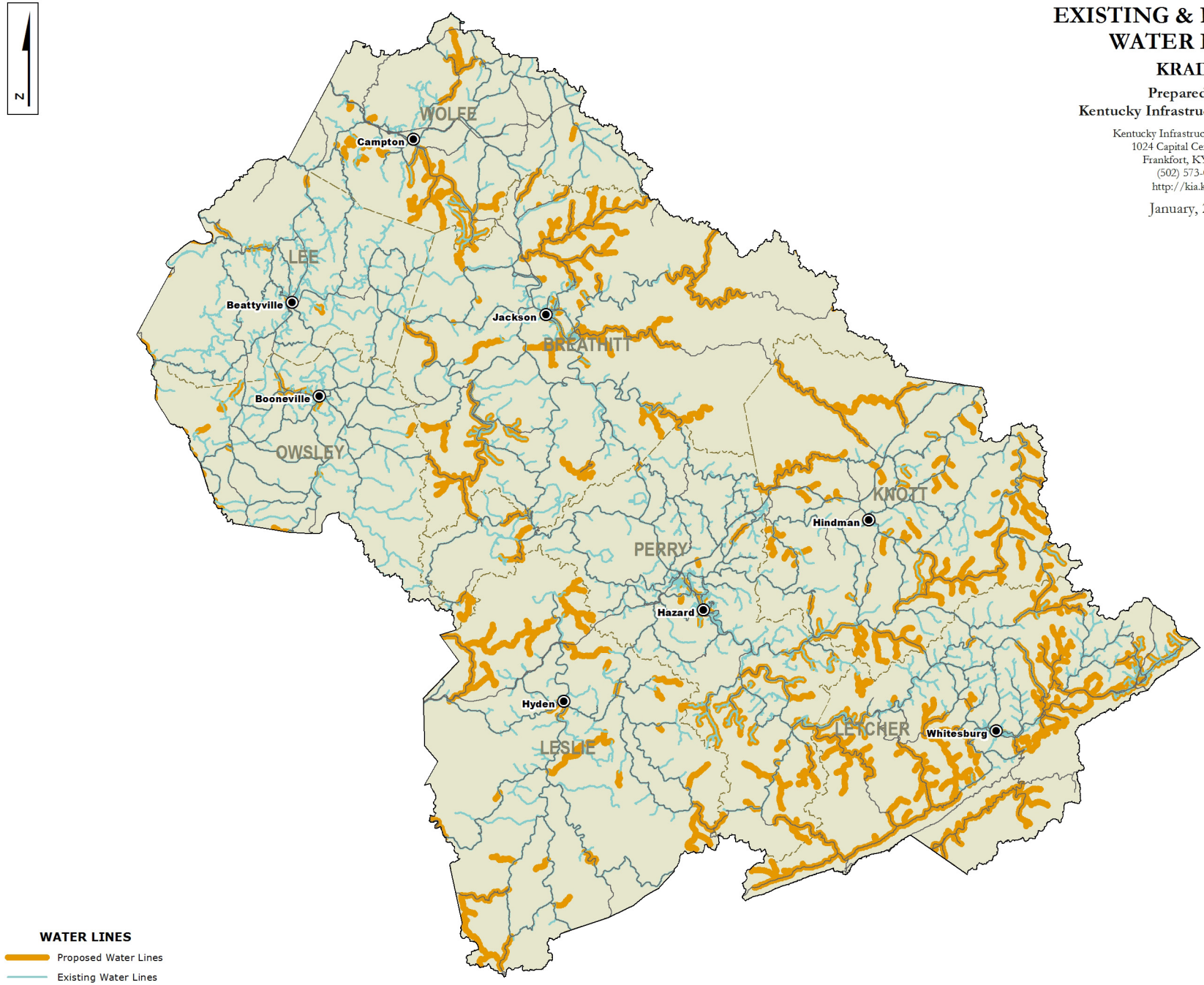
EXISTING & PROPOSED WATER LINES

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	6,946	3,087
KY0130208	Jackson Municipal Water Works	Breathitt	4,706	2,170
KY0600198	Hindman Water Department	Knott	4,311	2,062
KY0600062	Knott Co Water & Sewer District	Knott	9,506	4,224
KY0600129	Phoenix Place Water System	Knott	243	109
KY0650024	Beattyville Water Works	Lee	7,289	3,132
KY0660204	Hyden Leslie Co Water District	Leslie	9,245	4,296
KY0670279	Fleming-Neon Water Company	Letcher	3,233	1,610
KY0670213	Jenkins Water System	Letcher	2,786	1,334
KY0670462	Letcher County Water and Sewer District	Letcher	7,970	3,759
KY0670466	Whitesburg Water System	Letcher	3,182	1,470
KY0950036	Booneville Water and Sewer	Owsley	4,754	2,329
KY0970184	Hazard Water Department	Perry	22,979	10,271
KY0970484	Perry County Water & Sewer	Perry	2,904	1,274
KY0971007	Village of Buckhorn	Perry	943	402
KY1190061	Campton Water System	Wolfe	6,738	3,376
		Totals:	97,735	44,905

Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21193029	Vicco Water System Emergency Repair	0-2 Years	Over Funded	$192,000	Perry	1	1
WX21025040	South Fork Elk View Waterline	3-5 Years	Not Funded	$1,442,000	Breathitt	2	1
WX21133500	Cumberland River Water Line Extension - Phase I	3-5 Years	Partially Funded	$669,000	Letcher	3	1
WX21189007	Booneville Pump Repairs	0-2 Years	Partially Funded	$153,659	Owsley	4	1
WX21129004	Beattyville - Bear Track Waterline Replacement	3-5 Years	Not Funded	$612,000	Lee	5	1
WX21119022	Logan Gap Master Meter Replacement Project	0-2 Years	Not Funded	$5,874	Knott	6	1
WX21237012	Trace Fork Waterline Project	3-5 Years	Not Funded	$80,190	Wolfe	7	1
WX21131002	Phase III Water System Improvements	3-5 Years	Partially Funded	$6,430,000	Leslie	8	1
WX21131111	Hyden/Leslie Water System Improvements Phase II	0-2 Years	Partially Funded	$2,000,000	Leslie	9	2
WX21237746	Campton South Valeria Water Extension Project	3-5 Years	Not Funded	$1,142,400	Wolfe	10	2
WX21189506	Booneville Pump Station Upgrade	3-5 Years	Not Funded	$111,600	Owsley	11	2
WX21133018	Cumberland River Waterline Extension Project - Phase II	3-5 Years	Partially Funded	$1,070,000	Letcher	12	2
WX21025101	Jackson - Hospital Water Tank Project	3-5 Years	Not Funded	$1,210,000	Breathitt	13	2
WX21193030	Water Distribution Rehabilitation Project - PCWS Phase II	0-2 Years	Not Funded	$680,000	Perry	14	2
			Total Cost:	**$15,798,723**			

Breathitt County

- 2010 census population of 13,878 (6,231 households) with 87% serviceable.
- Projected 2020 population of 12,495 (change of -1,383).
- Breathitt County has 350.48 miles of existing water lines.
- 72.00 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: $16,966,027.
- 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 87 percent of the county's households based on 2010 census counts. Over the next ten years approximately 513 serviceable households will be added through the construction of 72.00 miles of water line extensions and approximately 4,099 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			
Breathitt County Water District	21	$12,288,245	504	1,344	71.00	-	-
City of Jackson	3	$4,677,782	9	2,755	1.00	1.00	1.00
Totals:	**24**	**$16,966,027**	**513**	**4,099**	**72.00**	**1.00**	**1.00**

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	6,945	3,087
KY0130208	Jackson Municipal Water Works	Breathitt	4,706	2,170
KY0650024	Beattyville Water Works	Lee	129	58
KY0971007	Village of Buckhorn	Perry	150	60
KY1190061	Campton Water System	Wolfe	30	11
		Totals:	11,960	5,386

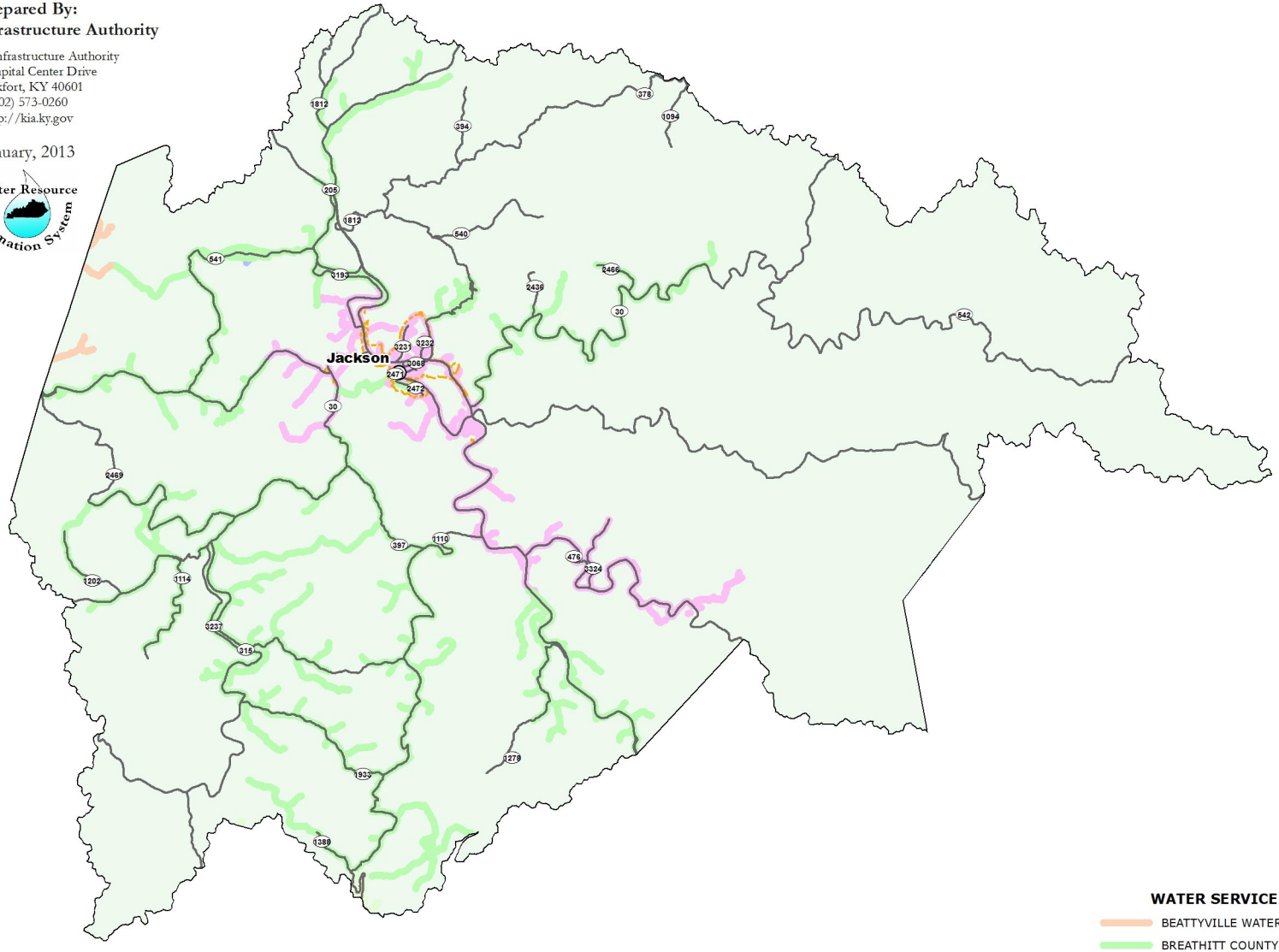
Kentucky Infrastructure Authority
February 19, 2016

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 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

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	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$48.03 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 15 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,621
Residential Customers	1,621	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	88.014
Institutional Customers	-	Total Inside Usage (MG)	77.664
Industrial Customers	-	Total Wholesale Sold (MG)	0.229
Wholesale Customers	2	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 267.70 miles (Distribution: 256.17 miles, Transmission: 11.53 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
WX21025040	South Fork Elk View Waterline	3-5 Years	Not Funded	$1,442,000	Breathitt	2	1
WX21025008	Breathitt County Hwy 30 East and KY 542 Lambric Waterline Extensions	3-5 Years	Not Funded	$1,500,000	Breathitt		3
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	$1,994,812	Breathitt		4
WX21025014	Breathitt - Hwy 2436 Airport Road Water Line Extensions	3-5 Years	Not Funded	$320,000	Breathitt		5
WX21025035	Stray Branch Water Line Extension	3-5 Years	Not Funded	$717,000	Breathitt		6
WX21025041	Hunting Creek Waterline Project	3-5 Years	Not Funded	$1,137,000	Breathitt		7
WX21025026	Robinson Fork And Fire Trail Road Water Line Extension	0-2 Years	Partially Funded	$366,000	Breathitt		8
WX21025033	War Shoal Road Water Line Extension	3-5 Years	Not Funded	$227,000	Breathitt		9
WX21025034	Johnson Fork Water Line Extension	3-5 Years	Not Funded	$355,000	Breathitt		10
WX21025029	War Creek Road Water Line Extension	0-2 Years	Partially Funded	$192,000	Breathitt		11
WX21025032	Highland Road Water Line Extensions	3-5 Years	Not Funded	$640,000	Breathitt		12
WX21025036	Puncheon Creek Water Line	3-5 Years	Not Funded	$223,000	Breathitt		13
WX21025043	Joe Ward Fork Waterline Extension	3-5 Years	Not Funded	$58,010	Breathitt		14
WX21025046	Bryants Creek Waterline Extension	3-5 Years	Not Funded	$768,669	Breathitt		15
WX21025044	Chester Bailey Waterline Extension	3-5 Years	Not Funded	$111,460	Breathitt		16
WX21025045	Snake Branch Waterline Extension	3-5 Years	Not Funded	$165,630	Breathitt		17
WX21025049	Sigman Drive Waterline Extension	3-5 Years	Not Funded	$136,000	Breathitt		18
WX21025047	Mann Road Waterline Extension	0-2 Years	Not Funded	$12,880	Breathitt		20

Breathitt County (continued)

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	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.08 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$45.48 per 4,000 gallons.	Total Connections	2,397
Residential Customers	2,206	Total Produced (MG)	310.820
Commercial Customers	191	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	133.433
Industrial Customers	-	Total Wholesale Sold (MG)	88.014
Wholesale Customers	1	Estimated Pct. Water Loss	29%
Total Distribution System Line Length = 73.80 miles (Distribution: 72.90 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
WX21025040	South Fork Elk View Waterline	3-5 Years	Not Funded	$1,442,000	Breathitt	2	1
WX21025101	Jackson - Hospital Water Tank Project	3-5 Years	Not Funded	$1,210,000	Breathitt	13	2
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	$1,994,812	Breathitt		4
WX21025041	Hunting Creek Waterline Project	3-5 Years	Not Funded	$1,137,000	Breathitt		7
WX21025049	Sigman Drive Waterline Extension	3-5 Years	Not Funded	$136,000	Breathitt		18
WX21025511	Jackson HWY 15 Water Improvement Project	3-5 Years	Not Funded	$1,472,970	Breathitt		

Knott County

- 2010 census population of 16,346 (7,461 households) with 93% serviceable.
- Projected 2020 population of 15,635 (change of -711).
- Knott County has 334.62 miles of existing water lines.
- 106.00 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: $25,690,515.
- 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 93 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,761 serviceable households will be added through the construction of 106.00 miles of water line extensions and approximately 2,430 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	$750,000	34	-	12.00	-	-
City of Vicco	1	$1,700,000	-	-	3.00	-	-
Floyd County Fiscal Court	1	$355,900	-	-	-	-	-
Knott County Fiscal Court	1	$5,874	-	2,430	-	-	-
Knott County Water & Sewer District	9	$25,736,155	1,727	-	91.00	-	-
Totals:	**13**	**$28,547,929**	**1,761**	**2,430**	**106.00**	**-**	**-**

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	4,309	2,061
KY0600062	Knott Co Water & Sewer District	Knott	9,378	4,169
KY0600129	Phoenix Place Water System	Knott	155	75
KY0360026	Southern Water & Sewer District	Floyd	808	364
KY0970184	Hazard Water Department	Perry	162	73
KY0970484	Perry County Water & Sewer	Perry	341	158
		Totals:	15,153	6,900

Kentucky Infrastructure Authority
February 19, 2016

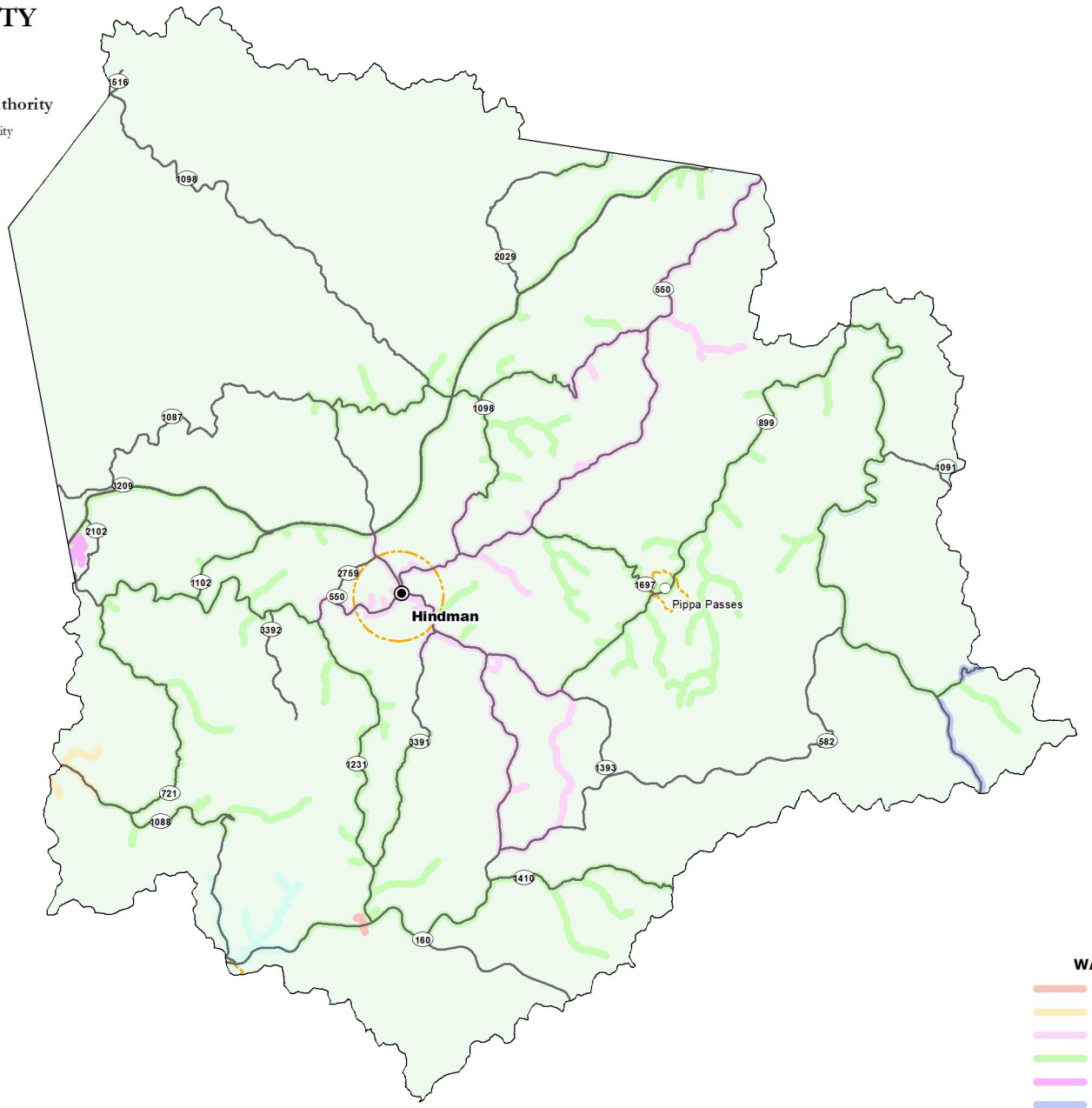
WATER SERVICE AREAS
KNOTT COUNTY
Kentucky

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	2	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	800
Residential Customers	800	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	147.806
Institutional Customers	-	Total Inside Usage (MG)	58.536
Industrial Customers	-	Total Wholesale Sold (MG)	2.753
Wholesale Customers	1	Estimated Pct. Water Loss	59%

Total Distribution System Line Length = 75.08 miles (Distribution: 72.89 miles, Transmission: 2.18 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
WX21119012	Hindman - Hwy 550E Extensions	3-5 Years	Not Funded	$750,000	Knott		

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	10	Wholesale Purchaser	Yes, from 1 provider.
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	2,585
Residential Customers	2,576	Total Produced (MG)	622.807
Commercial Customers	9	Total Purchased (MG)	2.753
Institutional Customers	-	Total Inside Usage (MG)	166.497
Industrial Customers	-	Total Wholesale Sold (MG)	334.171
Wholesale Customers	5	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 227.05 miles (Distribution: 226.39 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
WX21119022	Logan Gap Master Meter Replacement Project	0-2 Years	Not Funded	$5,874	Knott	6	1
WX21119023	Redfox AML Waterline Extension	0-2 Years	Partially Funded	$4,666,684	Knott		
WX21119005	KCWSD - Carr Creek Water Line Project Phase IV	3-5 Years	Not Funded	$4,500,000	Knott		
WX21119052	KCWSD - Quicksand Water Line Extension Project	3-5 Years	Not Funded	$4,158,600	Knott		
WX21119053	KCWSD - Various Hollows Water Line Extension Project	3-5 Years	Not Funded	$4,084,500	Knott		
WX21119017	Knott - Hwy 1098 Extensions*	6-10 Years	Not Funded	$2,857,414	Knott		
WX21119008	Knott - Yellow Creek/Sassafras Creek Water Line Extension*	3-5 Years	Not Funded	$2,000,000	Knott		
WX21119750	Right Beaver AML Water Line Project	3-5 Years	Not Funded	$1,922,957	Knott		
WX21193209	Vicco-Knott County Interconnect	3-5 Years	Not Funded	$1,700,000	Perry		
WX21119721	Clear Creek AML Water Line Project	3-5 Years	Not Funded	$1,500,000	Knott		
WX21119067	KCWSD - Red Fox AML	3-5 Years	Not Funded	$46,000	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	196
Residential Customers	196	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	11.601
Institutional Customers	-	Total Inside Usage (MG)	8.815
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%
Total Distribution System Line Length = 5.07 miles (Distribution: 5.01 miles, Transmission: 0.06 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 264.28 miles of existing water lines.
- 1.00 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: $1,354,036.
- 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 1,051 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 Beattyville	2	$1,187,000	-	1,051	-	2.00	-
City of Campton	1	$167,036	2	-	1.00	-	-
Totals:	**3**	**$1,354,036**	**2**	**1,051**	**1.00**	**2.00**	**-**

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	7,122	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:	7,250	3,121

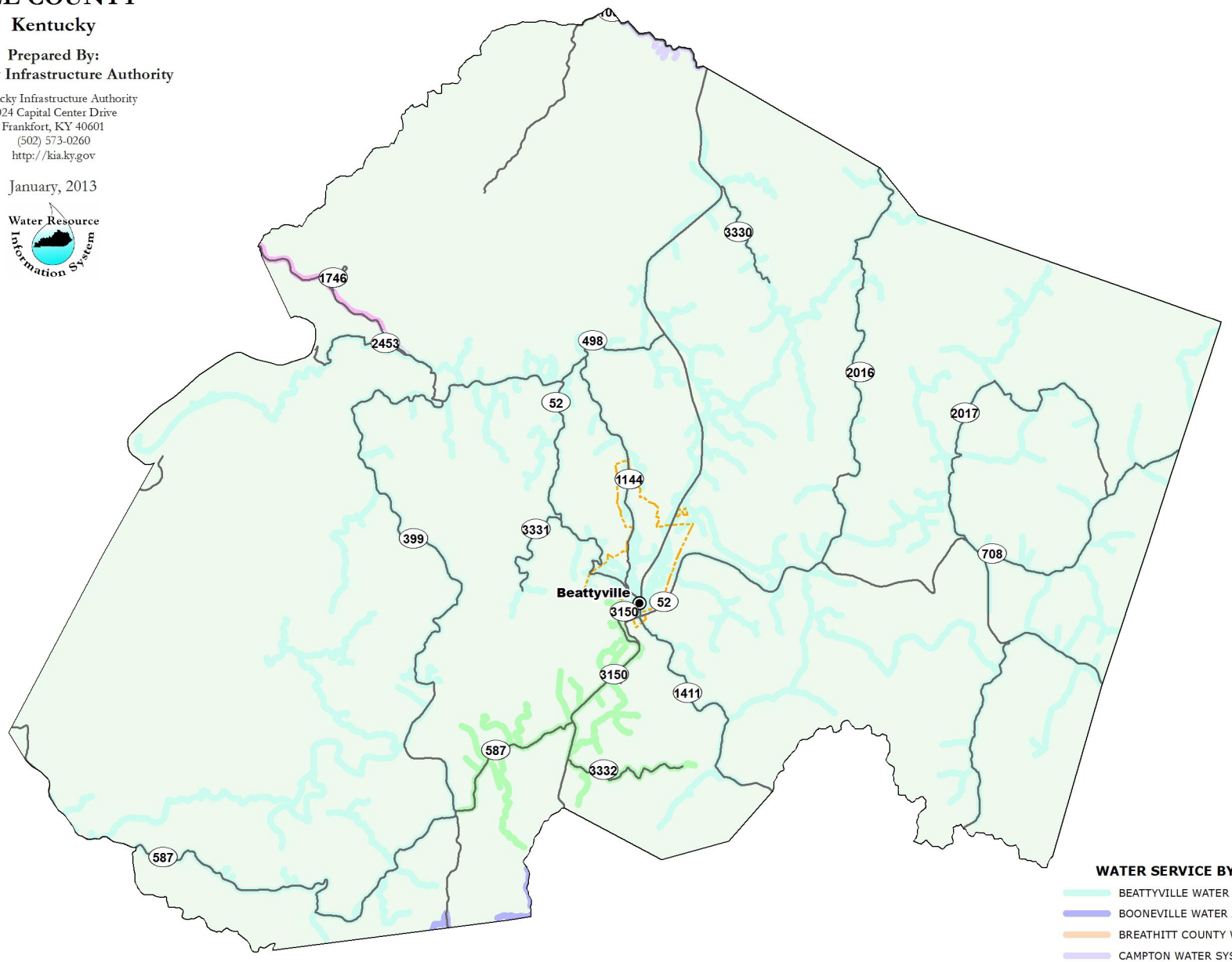
Kentucky Infrastructure Authority
February 19, 2016

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

January, 2013



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	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$27.12 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.24 per 4,000 gallons.	Total Connections	2,605
Residential Customers	2,438	Total Produced (MG)	299.894
Commercial Customers	140	Total Purchased (MG)	10.001
Institutional Customers	-	Total Inside Usage (MG)	173.344
Industrial Customers	6	Total Wholesale Sold (MG)	0.100
Wholesale Customers	1	Estimated Pct. Water Loss	44%

Total Distribution System Line Length = 260.68 miles (Distribution: 259.54 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
WX21129007	Southside Water Association Acquisition and Meter Replacement Pr	0-2 Years	Not Funded	$575,000	Lee		

Leslie County

- 2010 census population of 11,310 (5,278 households) with 81% serviceable.
- Projected 2020 population of 10,603 (change of -707).
- Leslie County has 247.76 miles of existing water lines.
- 36.00 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: $9,740,000.
- 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 81 percent of the county's households based on 2010 census counts. Over the next ten years approximately 166 serviceable households will be added through the construction of 36.00 miles of water line extensions and approximately 4,600 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	$9,740,000	166	4,600	36.00	2.00	-
Totals:	**4**	**$9,740,000**	**166**	**4,600**	**36.00**	**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	9,209	4,275
KY0260737	Manchester Water Works	Clay	22	13
		Totals:	9,231	4,288

Kentucky Infrastructure Authority
February 19, 2016

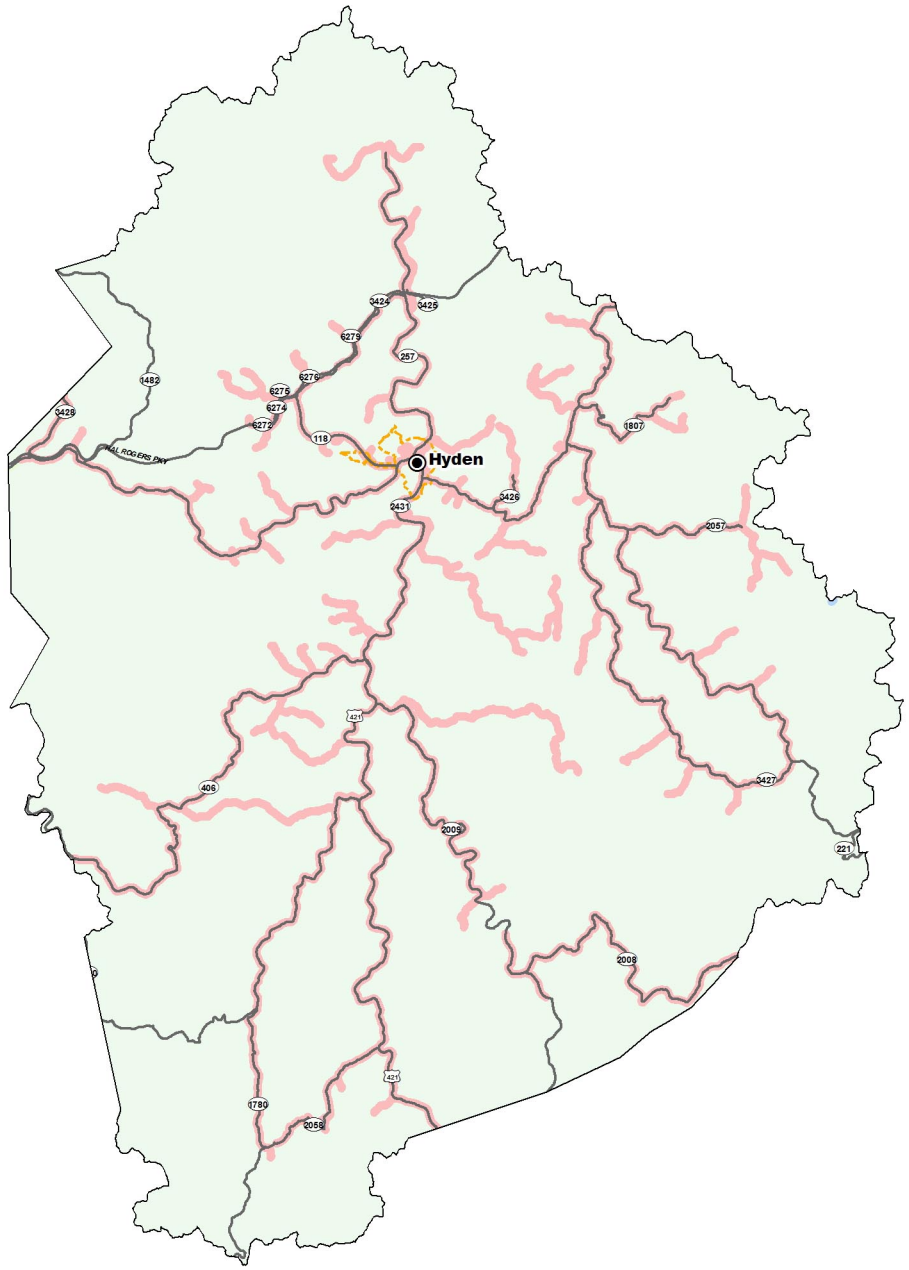
WATER SERVICE AREAS
LESLIE COUNTY
Kentucky

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



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	10	Wholesale Purchaser	Yes, from 1 provider.
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	3,600
Residential Customers	3,330	Total Produced (MG)	395.630
Commercial Customers	270	Total Purchased (MG)	3.085
Institutional Customers	-	Total Inside Usage (MG)	245.199
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	39%

Total Distribution System Line Length = 248.54 miles (Distribution: 247.05 miles, Transmission: 1.48 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
WX21131002	Phase III Water System Improvements	3-5 Years	Partially Funded	$6,430,000	Leslie	8	1
WX21131111	Hyden/Leslie Water System Improvements Phase II	0-2 Years	Partially Funded	$2,000,000	Leslie	9	2
WX21131006	Phase VI Water System Improvements	3-5 Years	Not Funded	$655,000	Leslie		4
WX21131005	Phase V Water System Improvements	3-5 Years	Not Funded	$655,000	Leslie		5

Letcher County

- 2010 census population of 24,519 (11,601 households) with 70% serviceable.
- Projected 2020 population of 24,237 (change of -282).
- Letcher County has 265.77 miles of existing water lines.
- 94.00 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: $31,404,948.
- 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 70 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,123 serviceable households will be added through the construction of 94.00 miles of water line extensions and approximately 12,464 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 Fleming-Neon	1	$3,000,000	-	1,137	-	-	-
City of Jenkins	4	$5,850,000	15	3,364	2.00	-	3.00
City of Whitesburg	3	$10,714,264	-	5,100	-	-	-
Knott County Water & Sewer District	1	$4,666,684	3	-	-	-	-
Letcher County Fiscal Court	1	$125,000	-	2,196	-	-	-
Letcher County Water & Sewer District	7	$12,388,000	1,105	667	92.00	-	-
Totals:	**17**	**$36,743,948**	**1,123**	**12,464**	**94.00**	**-**	**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	3,233	1,610
KY0670213	Jenkins Water System	Letcher	2,603	1,249
KY0670462	Letcher County Water and Sewer District	Letcher	7,964	3,758
KY0670466	Whitesburg Water System	Letcher	3,182	1,470
KY0480092	Cumberland Municipal Water Works	Harlan	72	30
KY0970484	Perry County Water & Sewer	Perry	49	20
		Totals:	17,103	8,137

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
LETCHER 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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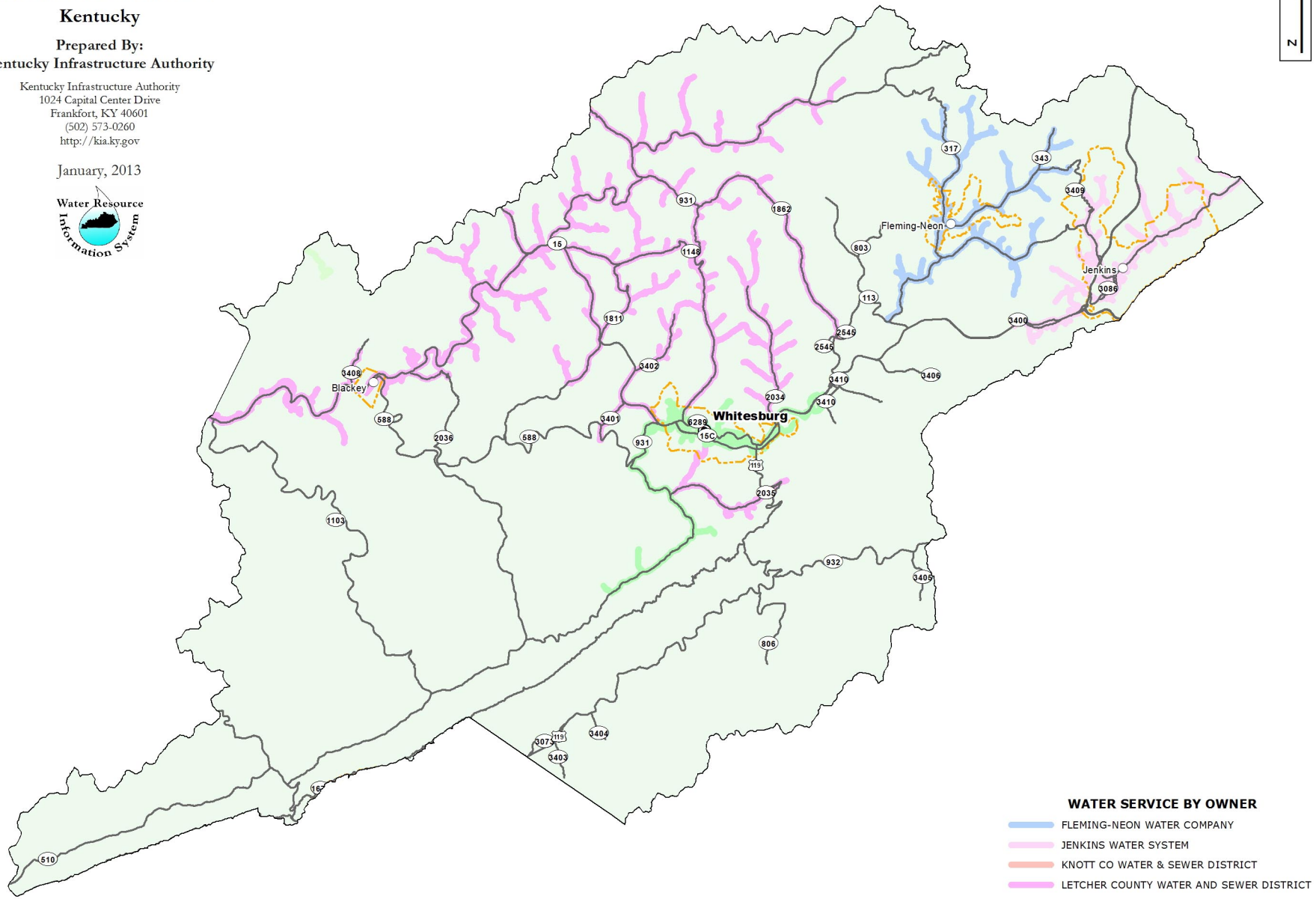

System Summary for Fleming-Neon Water Company

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	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$24.66 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$27.03 per 4,000 gallons.	Total Connections	1,209
Residential Customers	1,165	Total Produced (MG)	87.231
Commercial Customers	44	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	64.236
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	26%
Total Distribution System Line Length = 36.38 miles (Distribution: 35.81 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
WX21133029	Water Treatment Plant Upgrade Project	3-5 Years	Partially Funded	$3,000,000	Letcher		6
WX21133015	Fleming-Neon Waterline Interconnection	3-5 Years	Not Funded	$400,000	Letcher		8
WX21133031	Pine Mountain Water Study	3-5 Years	Not Funded	$125,000	Letcher		10

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	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$28.99 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$48.12 per 4,000 gallons.	Total Connections	894
Residential Customers	839	Total Produced (MG)	191.435
Commercial Customers	55	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	96.027
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	50%

Total Distribution System Line Length = 39.15 miles (Distribution: 39.10 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
WX21133015	Fleming-Neon Waterline Interconnection	3-5 Years	Not Funded	$400,000	Letcher		8
WX21133031	Pine Mountain Water Study	3-5 Years	Not Funded	$125,000	Letcher		10
WX21133047	Jenkins - Fishpond Lake Raw Water Project	3-5 Years	Not Funded	$1,850,000	Letcher		12
WX21133045	Jenkins -Water Tank Rehabilitation	3-5 Years	Not Funded	$600,000	Letcher		13
WX21133050	Jenkins - Water Plant Improvements	3-5 Years	Not Funded	$3,000,000	Letcher		16

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 2 providers.
Non-Municipal Cost	$34.66 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	2,910
Residential Customers	2,850	Total Produced (MG)	-
Commercial Customers	43	Total Purchased (MG)	262.840
Institutional Customers	-	Total Inside Usage (MG)	141.040
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	46%

Total Distribution System Line Length = 158.61 miles (Distribution: 156.95 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
WX21133500	Cumberland River Water Line Extension - Phase I	3-5 Years	Partially Funded	$669,000	Letcher	3	1
WX21119022	Logan Gap Master Meter Replacement Project	0-2 Years	Not Funded	$5,874	Knott	6	1
WX21133018	Cumberland River Waterline Extension Project - Phase II	3-5 Years	Partially Funded	$1,070,000	Letcher	12	2
WX21133023	Cumberland River Waterline Extension Project - Phase III	3-5 Years	Partially Funded	$2,075,000	Letcher		3
WX21133017	LCWSD - Millstone Water Project	3-5 Years	Partially Funded	$2,610,000	Letcher		4
WX21133016	Letcher - Hwy 510/Gordon Water Line Extensions	6-10 Years	Not Funded	$2,739,000	Letcher		5
WX21133012	Letcher - Kings Creek/Oscaloosa	6-10 Years	Not Funded	$2,600,000	Letcher		7
WX21133033	Whitesburg Water Treatment Plant Upgrade	3-5 Years	Not Funded	$2,964,264	Letcher		11
WX21133024	Hazard-Letcher County Water Interconnection Project	0-2 Years	Not Funded	$625,000	Letcher		17

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	4	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	1,315
Residential Customers	1,167	Total Produced (MG)	278.068
Commercial Customers	147	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	88.574
Industrial Customers	-	Total Wholesale Sold (MG)	96.633
Wholesale Customers	1	Estimated Pct. Water Loss	33%
Total Distribution System Line Length = 32.31 miles (Distribution: 32.29 miles, Transmission: 0.02 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
WX21133031	Pine Mountain Water Study	3-5 Years	Not Funded	$125,000	Letcher		10
WX21133033	Whitesburg Water Treatment Plant Upgrade	3-5 Years	Not Funded	$2,964,264	Letcher		11
WX21133100	Whitesburg - Water Storage Tank Rehabilitation	3-5 Years	Not Funded	$750,000	Letcher		14
WX21133101	Whitesburg - Water Treatment Plant Expansion	3-5 Years	Not Funded	$7,000,000	Letcher		15

Owsley County

- 2010 census population of 4,755 (2,328 households) with 95% serviceable.
- Projected 2020 population of 4,704 (change of -51).
- Owsley County has 236.02 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 2.00 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: $9,177,019.
- 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 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 3.00 miles of water line extensions and approximately 6,147 instances of improved service through the rehabilitation of 2.00 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	7	$9,177,019	10	6,147	3.00	2.00	1.00
Totals:	**7**	**$9,177,019**	**10**	**6,147**	**3.00**	**2.00**	**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	4,511	2,203
		Totals:	4,511	2,203

Kentucky Infrastructure Authority
February 19, 2016

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

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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	6	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$36.00 per 4,000 gallons.	Storage Capacity	Yes, 14 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$44.00 per 4,000 gallons.	Total Connections	1,576
Residential Customers	1,576	Total Produced (MG)	178.529
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	71.988
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	60%

Total Distribution System Line Length = 246.88 miles (Distribution: 246.19 miles, Transmission: 0.68 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
WX21189007	Booneville Pump Repairs	0-2 Years	Partially Funded	$153,659	Owsley	4	1
WX21189500	Booneville Radio Read Meter Project	3-5 Years	Not Funded	$498,500	Owsley		3
WX21189502	Booneville Raw Water Intake Project	3-5 Years	Not Funded	$584,760	Owsley		4
WX21189003	Booneville Water Treatment Plant	3-5 Years	Not Funded	$6,379,900	Owsley		
WX21189501	Booneville Water Treatment Plant Improvements	3-5 Years	Not Funded	$1,104,000	Owsley		
WX21189004	Saul Area Water Line Extensions	3-5 Years	Not Funded	$417,800	Perry		
WX21189005	Booneville Water Line Extensions - 2010	3-5 Years	Not Funded	$252,000	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 92% serviceable.
- Projected 2020 population of 28,137 (change of -575).
- Perry County has 454.85 miles of existing water lines.
- 11.00 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: $6,688,928.
- 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 92 percent of the county's households based on 2010 census counts. Over the next ten years approximately 77 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 8,765 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			
Breathitt County Water District	1	$1,220,000	-	-	1.00	-	-
City of Booneville	1	$417,800	50	-	4.00	-	-
City of Buckhorn	1	$265,470	8	-	2.00	-	-
City of Hazard	1	$1,304,030	-	8,302	-	-	-
Knott County Water & Sewer District	1	$2,000,000	-	-	3.00	-	-
Perry County Fiscal Court	4	$1,481,628	19	463	1.00	2.00	-
Totals:	**9**	**$6,688,928**	**77**	**8,765**	**11.00**	**2.00**	**-**

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	22,808	10,195
KY0970484	Perry County Water & Sewer	Perry	2,514	1,096
KY0971007	Village of Buckhorn	Perry	793	342
KY0600062	Knott Co Water & Sewer District	Knott	111	47
KY0600129	Phoenix Place Water System	Knott	88	34
KY0950036	Booneville Water and Sewer	Owsley	128	70
		Totals:	26,442	11,784

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
PERRY COUNTY
Kentucky

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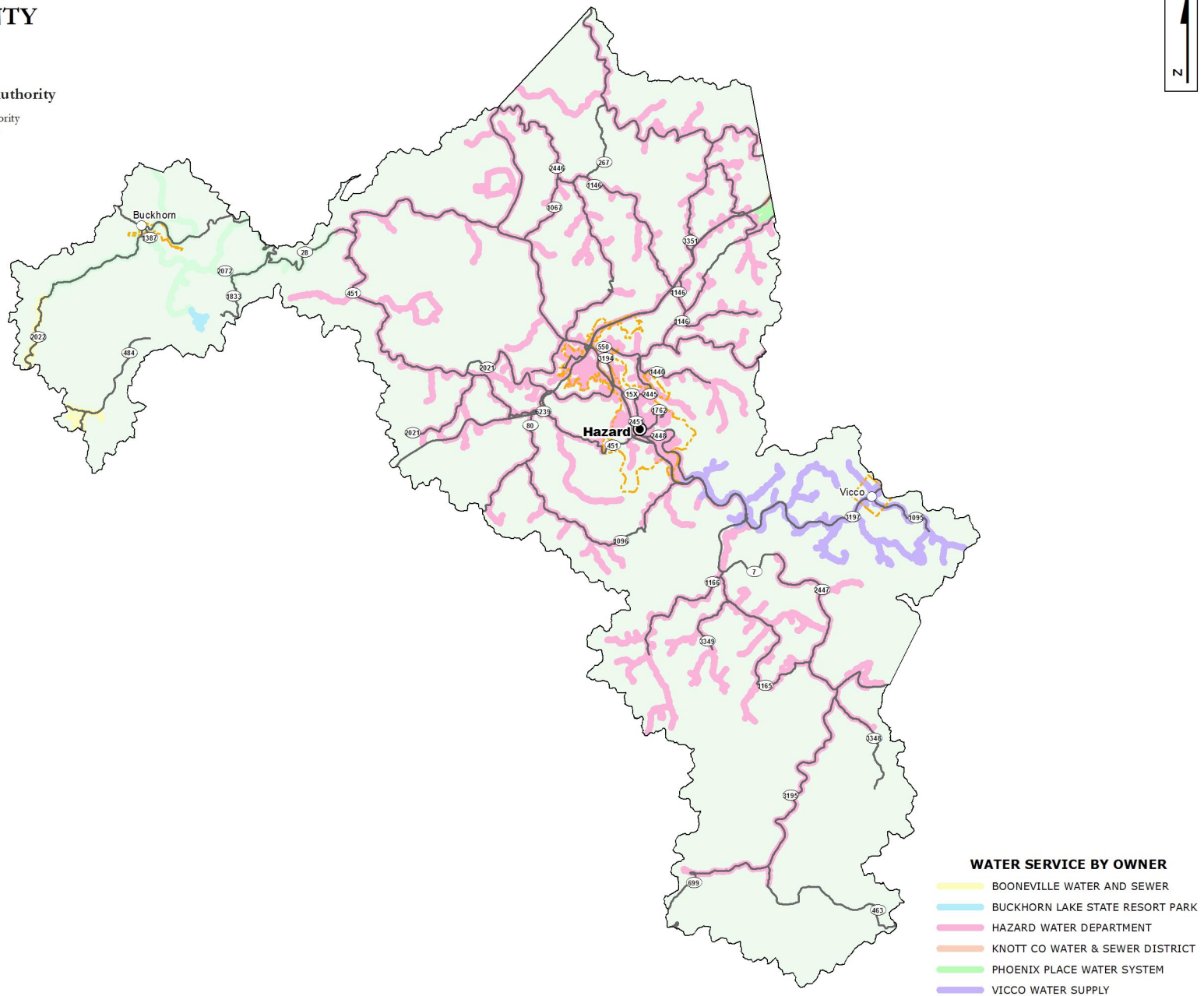
Kentucky Infrastructure Authority
1024 Capital Center Drive
Frankfort, KY 40601
(502) 573-0260
http://kia.ky.gov

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	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$20.64 per 4,000 gallons.	Storage Capacity	Yes, 24 tanks with total capacity of 10.000 MG.
Outside Mun. Cost	$28.34 per 4,000 gallons.	Total Connections	8,533
Residential Customers	8,069	Total Produced (MG)	800.500
Commercial Customers	455	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	730.100
Industrial Customers	5	Total Wholesale Sold (MG)	32.632
Wholesale Customers	2	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 374.66 miles (Distribution: 373.40 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
WX21193032	Hazard Water Treatment Plant Phase II	3-5 Years	Not Funded	$1,304,030	Perry		3
WX21133024	Hazard-Letcher County Water Interconnection Project	0-2 Years	Not Funded	$625,000	Letcher		17
WX21193194	Hazard - Hiner/Bulan Mountain Line Replacement Project	0-2 Years	Partially Funded	$439,000	Perry		
WX21193022	Lewis Hollow Waterline Extension	0-2 Years	Not Funded	$210,135	Perry		
WX21193023	Pomp Hollow Waterline Extension	0-2 Years	Partially Funded	$152,493	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	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
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	1,051
Residential Customers	982	Total Produced (MG)	-
Commercial Customers	50	Total Purchased (MG)	83.487
Institutional Customers	-	Total Inside Usage (MG)	29.139
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	65%

Total Distribution System Line Length = 54.76 miles (Distribution: 54.66 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
WX21193030	Water Distribution Rehabilitation Project - PCWS Phase II	0-2 Years	Not Funded	$680,000	Perry	14	2
WX21193209	Vicco-Knott County Interconnect	3-5 Years	Not Funded	$1,700,000	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	$31.64 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$45.29 per 4,000 gallons.	Total Connections	259
Residential Customers	233	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	29.931
Institutional Customers	26	Total Inside Usage (MG)	14.782
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	51%

Total Distribution System Line Length = 30.26 miles (Distribution: 30.26 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
WX21193032	Hazard Water Treatment Plant Phase II	3-5 Years	Not Funded	$1,304,030	Perry		3
WX21193024	Buckhorn - Route 28 Waterline Extension Phase II	3-5 Years	Not Funded	$265,470	Perry		4
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 235.46 miles of existing water lines.
- 10.00 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: $3,007,223.
- 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 58 serviceable households will be added through the construction of 10.00 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	4	$3,007,223	58	2,176	10.00	1.00	-
Totals:	**4**	**$3,007,223**	**58**	**2,176**	**10.00**	**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	6,506	3,252
KY0650024	Beattyville Water Works	Lee	23	12
KY0880594	Morgan County Water District	Morgan	55	29
		Totals:	6,584	3,293

Kentucky Infrastructure Authority
February 19, 2016

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 Resource Information System

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	14	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$34.50 per 4,000 gallons.	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$37.50 per 4,000 gallons.	Total Connections	2,181
Residential Customers	1,996	Total Produced (MG)	139.744
Commercial Customers	133	Total Purchased (MG)	1.466
Institutional Customers	-	Total Inside Usage (MG)	139.744
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	1%

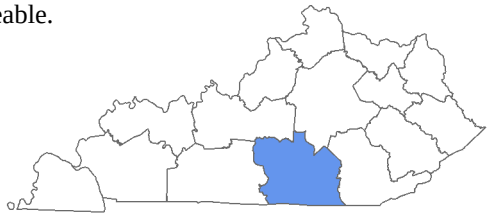
Total Distribution System Line Length = 244.73 miles (Distribution: 244.27 miles, Transmission: 0.46 miles).

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
WX21237012	Trace Fork Waterline Project	3-5 Years	Not Funded	$80,190	Wolfe	7	1
WX21237746	Campton South Valeria Water Extension Project	3-5 Years	Not Funded	$1,142,400	Wolfe	10	2
WX21237009	Spring Branch, Kelse Holland Fork And B. Potter Fork Water Line	0-2 Years	Not Funded	$206,633	Wolfe		3
WX21237010	City of Campton - Barker Branch - Water Extensions	3-5 Years	Partially Funded	$167,036	Wolfe		4
WX21237011	Campton Tank Replacement Project	3-5 Years	Not Funded	$1,578,000	Wolfe		5

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).
- 5,525.11 miles of existing water lines.
- 303.00 miles of line extensions proposed in the next 10 years.
- 100.00 miles of line rehabilitation proposed in the next 10 years.
- 50.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $130,712,919.
- Estimated funding needs for projects from 6 to 10 years: $20,540,917.
- Average age of structures: water treatment plants is 39 years; water tanks is 27 years.
- Total number of interconnected systems is 20.
- 56 miles of asbestos concrete pipe currently in use.
- 1,158 miles of water lines less than 15 years old.
- 2,267 miles of water lines between 15 and 30 years old.
- 1,898 miles of water lines between 31 and 50 years old.
- 128 miles of water lines between 51 and 70 years old.
- 164 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 699 serviceable households will be added through the construction of 303.00 miles of water line extensions and approximately 35,744 instances of improved service through the rehabilitation of 100.00 miles of existing water lines and other appurtenances. 50.00 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	7,701	90%	$ 16,743,815
Casey	15,955	7,487	16,433	6,791	7,326	98%	$ 8,119,000
Clinton	10,272	5,311	10,896	4,755	5,181	98%	$ 5,000,700
Cumberland	6,856	3,690	6,649	2,840	3,567	97%	$ 3,557,000
Green	11,258	5,324	11,112	4,660	5,203	98%	$ 14,261,900
McCreary	18,306	7,507	18,314	6,819	6,271	84%	$ 28,817,727
Pulaski	63,063	31,443	71,036	29,901	30,558	97%	$ 34,479,194
Russell	17,565	9,993	18,782	8,112	9,806	98%	$ 5,585,885
Taylor	24,512	10,864	26,079	10,663	10,582	97%	$ 18,376,115
Wayne	20,813	10,942	22,128	9,686	9,765	89%	$ 16,312,500
Totals	**207,256**	**101,129**	**221,481**	**92,378**	**95,960**	**95%**	**$ 151,253,836**

Kentucky Infrastructure Authority
February 19, 2016

EXISTING & PROPOSED WATER LINES

LCADD

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Kentucky Infrastructure Authority

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

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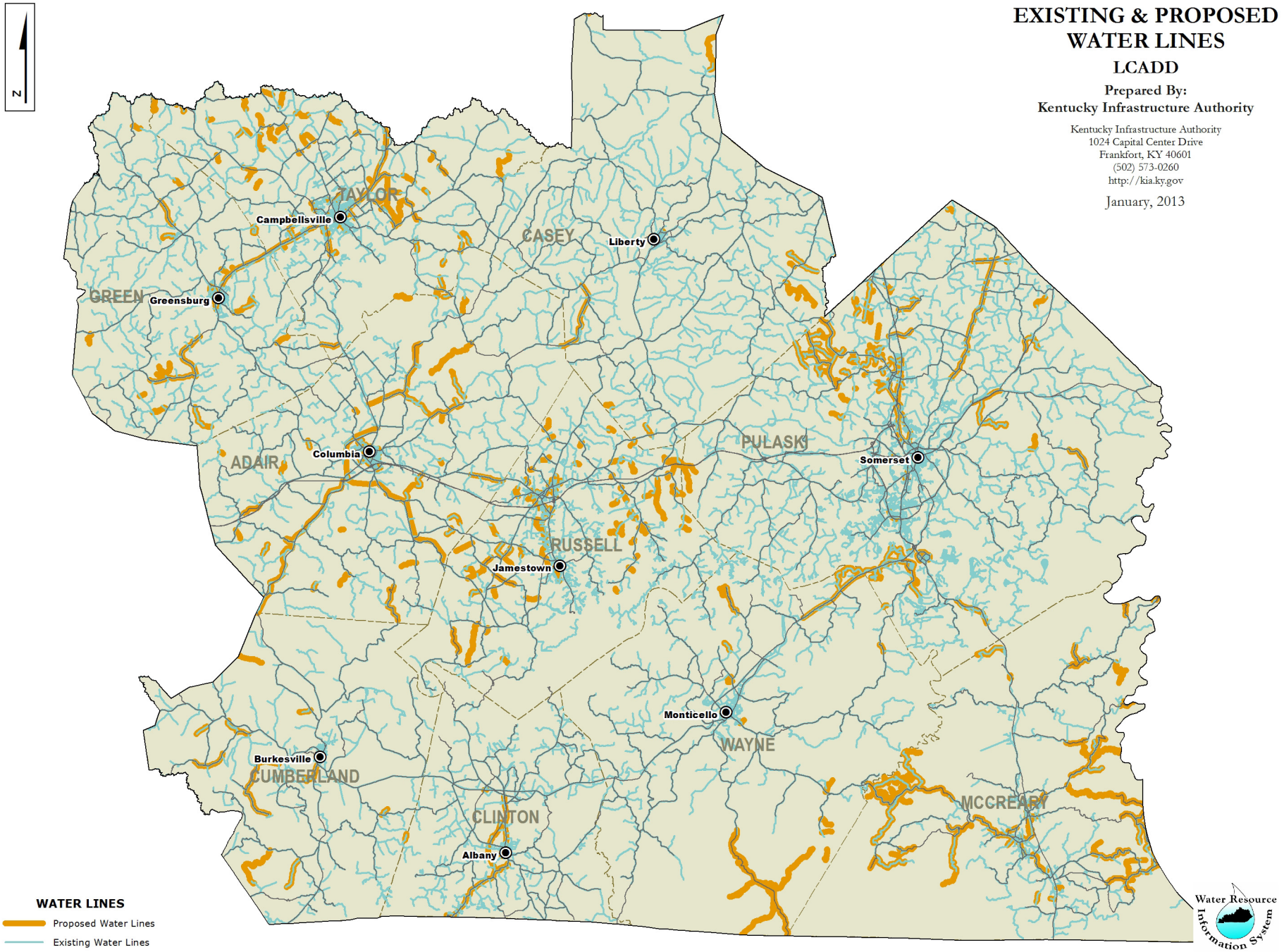

Community Water Systems in Lake Cumberland Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0011016	Columbia/Adair Utilities District	Adair	16,732	7,613
KY0230556	East Casey County Water District	Casey	12,079	5,753
KY0230987	Liberty Water & Gas	Casey	2,302	1,004
KY0270003	Albany Municipal Water & Sewer	Clinton	9,908	5,112
KY0290049	Burkesville Municipal Water Works	Cumberland	1,932	962
KY0290271	Cumberland County Water District	Cumberland	4,786	2,618
KY0440167	Green-Taylor Water District	Green	11,333	5,184
KY0440168	Greensburg Water Department	Green	2,284	1,138
KY0740276	McCreary County Water District	McCreary	14,877	6,267
KY1000043	Bronston Water Association	Pulaski	3,127	1,979
KY1000050	Burnside Municipal Water Works	Pulaski	1,165	677
KY1000124	Eubank Water System	Pulaski	10,142	4,468
KY1000362	Science Hill Water Works	Pulaski	4,756	2,055
KY1000403	Somerset Utilities	Pulaski	17,104	8,273
KY1000311	Southeastern Water Association	Pulaski	15,016	8,039
KY1000363	Western Pulaski County Water District	Pulaski	16,902	8,917
KY1000973	Woodson Bend Property Owners Association	Pulaski	137	356
KY1040210	Jamestown Utilities	Russell	7,372	4,198
KY1040377	Russell Springs Sewer & Water Works	Russell	9,412	4,889
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	21,047	9,370
KY1160291	Monticello Utility Commission	Wayne	17,509	8,641
		Totals:	199,922	97,513

Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21217025	2017 Water System Improvements	3-5 Years	Not Funded	$2,735,000	Taylor	1	1
WX21147033	MCWD - Marshes Siding 1.0 MG Storage Tank	3-5 Years	Not Funded	$2,800,000	McCreary	2	1
WX21147028	Stearns to Smithtown Phase 1 - Water Line Replacements	3-5 Years	Not Funded	$1,139,000	McCreary	3	2
WX21147015	Stearns to Smithtown Phase 2 - Water Line Replacements	3-5 Years	Not Funded	$964,000	McCreary	4	3
			Total Cost:	**$7,638,000**			

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 531.19 miles of existing water lines.
- 74.00 miles of line extensions proposed in the next 10 years.
- 17.00 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: $16,743,815.
- 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 170 serviceable households will be added through the construction of 74.00 miles of water line extensions and approximately 467 instances of improved service through the rehabilitation of 17.00 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	6	$13,850,200	169	467	73.00	17.00	-
City of Campbellsville	1	$2,074,615	1	-	1.00	-	-
East Casey County Water District	1	$819,000	-	-	-	-	-
Totals:	**8**	**$16,743,815**	**170**	**467**	**74.00**	**17.00**	**-**

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	Adair	16,631	7,566
KY0230556	East Casey County Water District	Casey	50	14
KY1040210	Jamestown Utilities	Russell	144	76
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	82	37
		Totals:	16,907	7,693

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
ADAIR 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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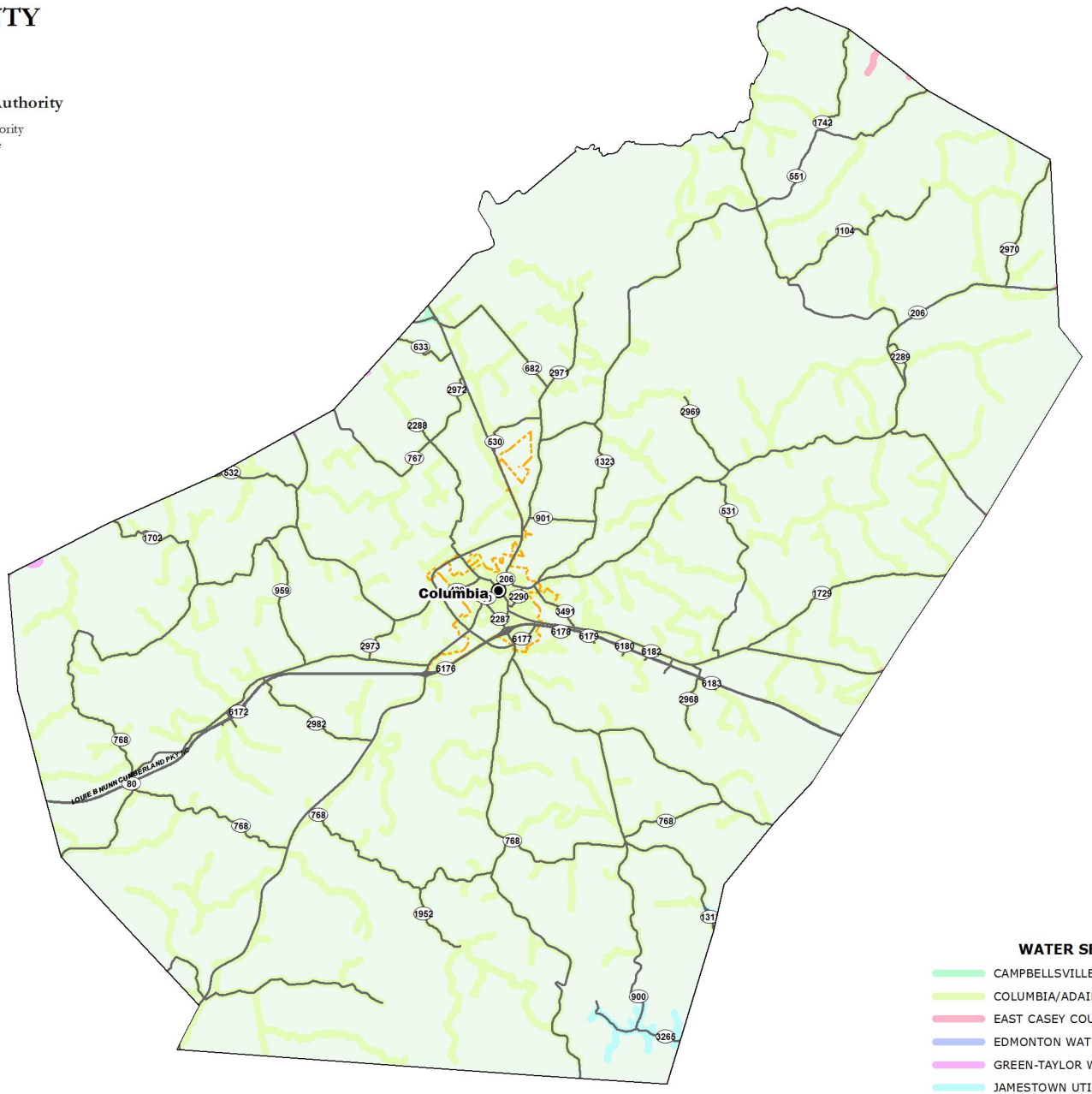
Water Resource Information System



WATER SERVICE BY OWNER

- 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

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	15	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$33.90 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 9 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	7,439
Residential Customers	7,009	Total Produced (MG)	676.630
Commercial Customers	449	Total Purchased (MG)	6.771
Institutional Customers	-	Total Inside Usage (MG)	545.846
Industrial Customers	-	Total Wholesale Sold (MG)	3.000
Wholesale Customers	2	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 526.55 miles (Distribution: 524.54 miles, Transmission: 2.01 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Columbia/Adair Utilities District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21001001	Columbia/Adair Utilities District-Downtown Water System Improvements Phase 2	3-5 Years	Not Funded	$4,100,000	Adair		
WX21001025	Adair County Phase II Water System Extensions & Improvements	3-5 Years	Partially Funded	$3,439,000	Adair		
WX21001007	Adair High Capacity Distribution System	3-5 Years	Not Funded	$2,971,600	Adair		
WX21001027	Water System Improvements: Fairplay Community/Green River Lake	3-5 Years	Not Funded	$2,461,000	Adair		
WX21001026	Columbia Water Tank Renovation	3-5 Years	Not Funded	$528,000	Adair		
WX21001028	Highway 704 Connector	3-5 Years	Not Funded	$350,600	Adair		

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 655.08 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: $1,119,000.
- Estimated funding needs for projects from 6 to 10 years: $7,000,000.

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. 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	-	-	-	-	-
East Casey County Water District	2	$1,119,000	-	-	-	-	5.00
Totals:	**3**	**$8,119,000**	**-**	**-**	**-**	**-**	**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	11,993	5,726
KY0230987	Liberty Water & Gas	Casey	2,302	1,004
KY0110345	Parksville Water District	Boyle	80	41
KY1000124	Eubank Water System	Pulaski	1,125	493
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	67	32
		Totals:	15,567	7,296

Kentucky Infrastructure Authority
February 19, 2016

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

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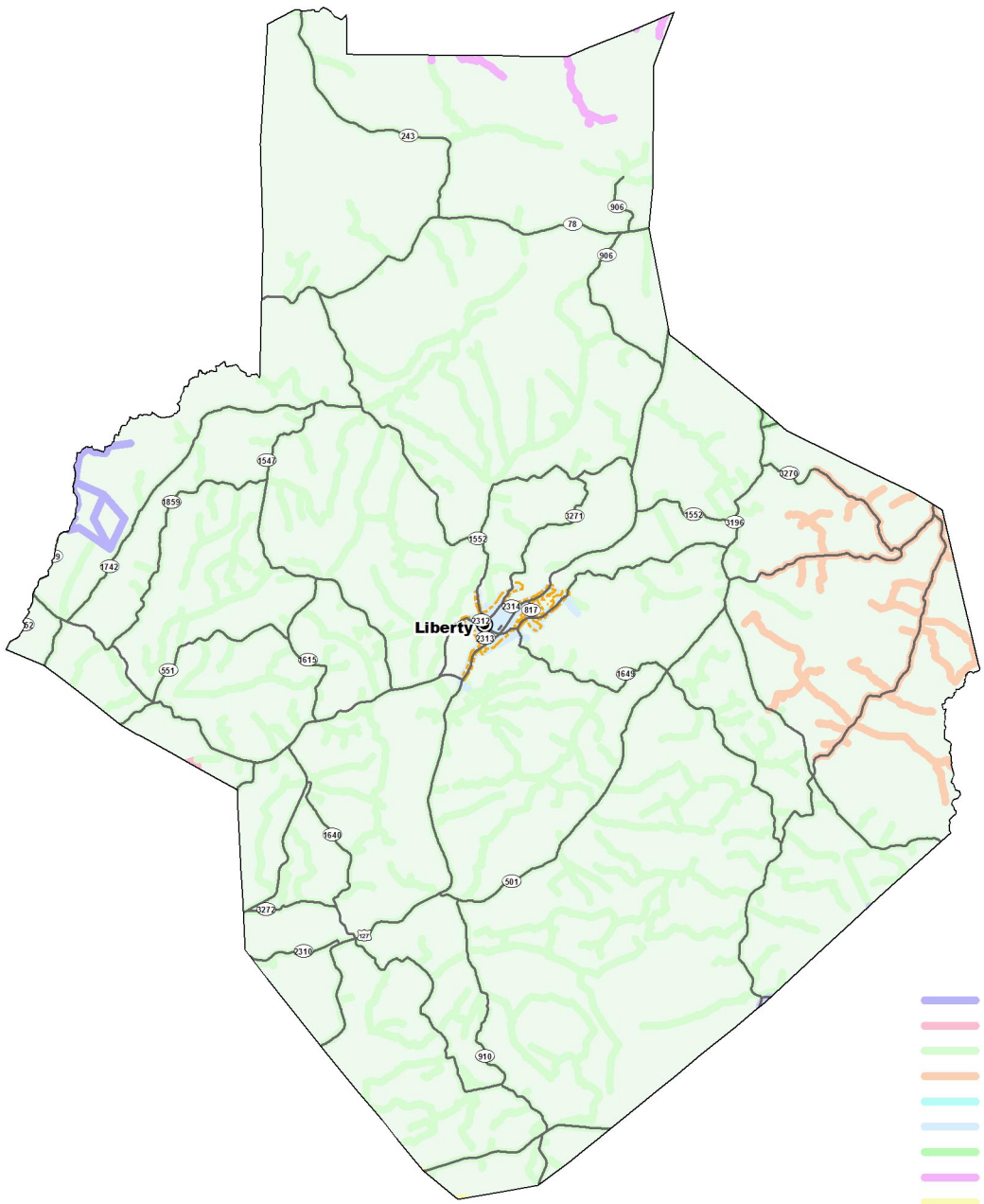


System Summary for East Casey County Water District

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 4 providers.
Non-Municipal Cost	$30.80 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	4,566
Residential Customers	4,505	Total Produced (MG)	-
Commercial Customers	51	Total Purchased (MG)	269.531
Institutional Customers	-	Total Inside Usage (MG)	223.333
Industrial Customers	-	Total Wholesale Sold (MG)	0.702
Wholesale Customers	1	Estimated Pct. Water Loss	17%

Total Distribution System Line Length = 565.41 miles (Distribution: 565.41 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
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	9	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$27.40 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	995
Residential Customers	697	Total Produced (MG)	320.595
Commercial Customers	229	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	59.264
Industrial Customers	1	Total Wholesale Sold (MG)	195.948
Wholesale Customers	1	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 29.36 miles (Distribution: 25.82 miles, Transmission: 3.54 miles).

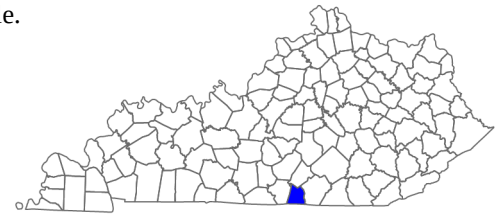
MG = Million Gallons.
MGD = Million Gallons per Day.

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	6-10 Years	Not Funded	$7,000,000	Casey		

Clinton County

- 2010 census population of 10,272 (5,311 households) with 98% serviceable.
- Projected 2020 population of 10,896 (change of 624).
- Clinton County has 338.40 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.
- 12.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,073,000.
- 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 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,276 instances of improved service through the rehabilitation of 4.00 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	$5,000,700	-	3,276	-	4.00	12.00
Totals:	**4**	**$5,000,700**	**-**	**3,276**	**-**	**4.00**	**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	9,889	5,104
KY0290271	Cumberland County Water District	Cumberland	116	62
KY1160291	Monticello Utility Commission	Wayne	30	14
		Totals:	10,035	5,180

Kentucky Infrastructure Authority
February 19, 2016

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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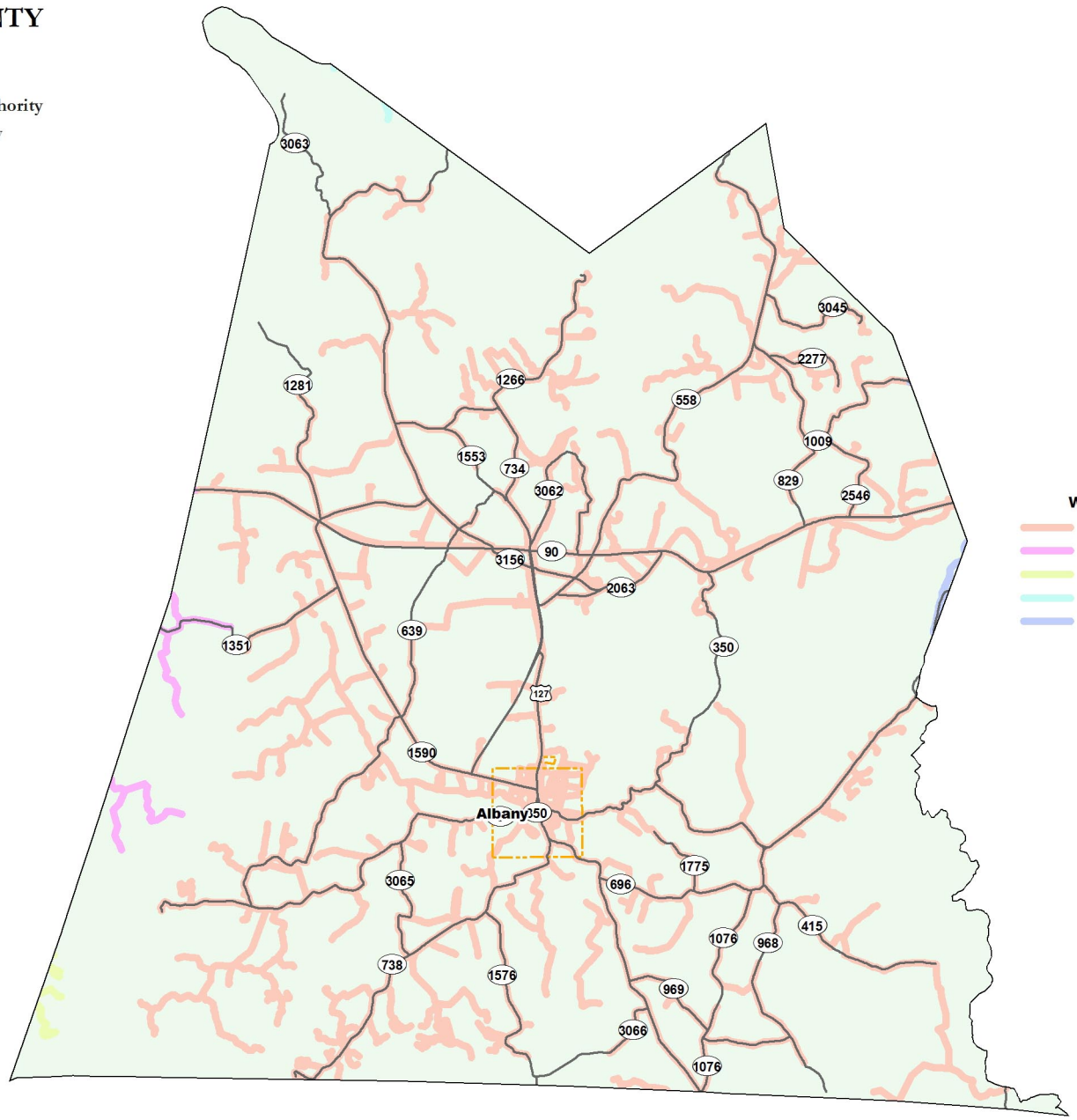

System Summary for Albany Municipal Water & Sewer

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	$17.54 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$24.05 per 4,000 gallons.	Total Connections	554,671
Residential Customers	4,468	Total Produced (MG)	1,336.966
Commercial Customers	191	Total Purchased (MG)	-
Institutional Customers	6	Total Inside Usage (MG)	872.067
Industrial Customers	5	Total Wholesale Sold (MG)	88.090
Wholesale Customers	1	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 326.59 miles (Distribution: 312.91 miles, Transmission: 13.68 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
WX21053010	Albany - Water Treatment Plant Expansion & Improvements	6-10 Years	Not Funded	$2,500,000	Clinton		
WX21053004	Albany – Albany Bypass Water Transmission Main	3-5 Years	Not Funded	$1,929,000	Clinton		
WX21053002	Albany Municipal Waterflow Improvements Project	6-10 Years	Not Funded	$427,700	Clinton		
WX21053009	Albany Water System Master Meters	3-5 Years	Not Funded	$144,000	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 340.96 miles of existing water lines.
- 24.00 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: $3,302,000.
- 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 28 serviceable households will be added through the construction of 24.00 miles of water line extensions and approximately 43 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			
Cumberland County Water District	5	$3,557,000	28	43	24.00	3.00	2.00
Totals:	**5**	**$3,557,000**	**28**	**43**	**24.00**	**3.00**	**2.00**

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	1,932	962
KY0290271	Cumberland County Water District	Cumberland	4,588	2,520
KY0860150	Monroe County Water District	Monroe	43	25
		Totals:	6,563	3,507

Kentucky Infrastructure Authority
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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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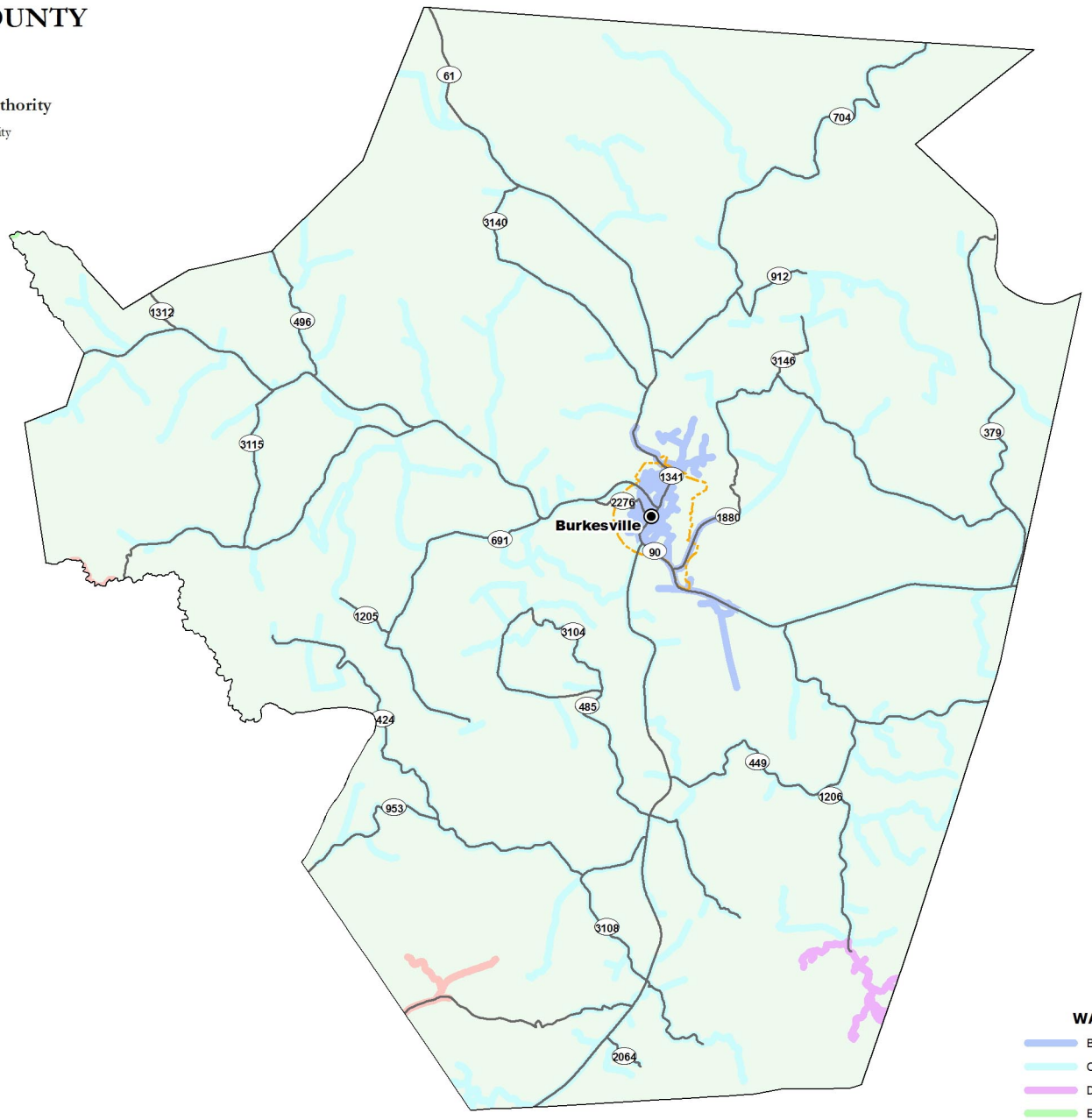


System Summary for Burkesville Municipal Water Works

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	$30.20 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$44.10 per 4,000 gallons.	Total Connections	852
Residential Customers	654	Total Produced (MG)	229.066
Commercial Customers	153	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	72.189
Industrial Customers	3	Total Wholesale Sold (MG)	95.766
Wholesale Customers	1	Estimated Pct. Water Loss	27%
Total Distribution System Line Length = 34.96 miles (Distribution: 34.68 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		

Cumberland County (continued)

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	8	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	$42.00 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	2,508
Residential Customers	2,402	Total Produced (MG)	-
Commercial Customers	41	Total Purchased (MG)	183.856
Institutional Customers	-	Total Inside Usage (MG)	179.231
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%

Total Distribution System Line Length = 308.71 miles (Distribution: 306.71 miles, Transmission: 2.00 miles).

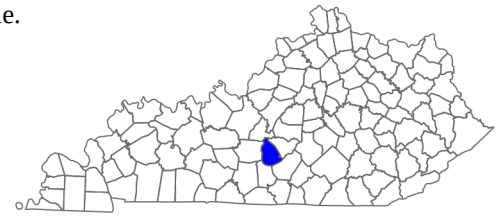
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21057016	CCWD - Improvements and Extensions	3-5 Years	Not Funded	$1,509,000	Cumberland		
WX21057012	CCWD – Burkesville Interconnection and Water Storage Tank Replac	3-5 Years	Not Funded	$1,250,000	Cumberland		
WX21057019	CCWD - Radio Telemetry Communications System	3-5 Years	Not Funded	$358,000	Cumberland		
WX21057004	Zeketown Road Water Line Extension	6-10 Years	Not Funded	$255,000	Cumberland		
WX21057018	Burkesville Interconnection (North Highway 61)	3-5 Years	Not Funded	$185,000	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 447.92 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 7.00 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: $12,867,900.
- Estimated funding needs for projects from 6 to 10 years: $1,394,000.



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 17 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 108 instances of improved service through the rehabilitation of 7.00 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 Campbellsville	1	$3,181,900	-	-	-	-	4.00
City of Greensburg	1	$7,694,000	-	-	-	-	1.00
Green-Taylor Water District	4	$3,386,000	17	108	13.00	7.00	-
Totals:	**6**	**$14,261,900**	**17**	**108**	**13.00**	**7.00**	**5.00**

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	7,810	3,650
KY0440168	Greensburg Water Department	Green	2,284	1,138
KY0500166	Green River Valley Water District	Hart	888	413
		Totals:	10,982	5,201

Kentucky Infrastructure Authority
February 19, 2016

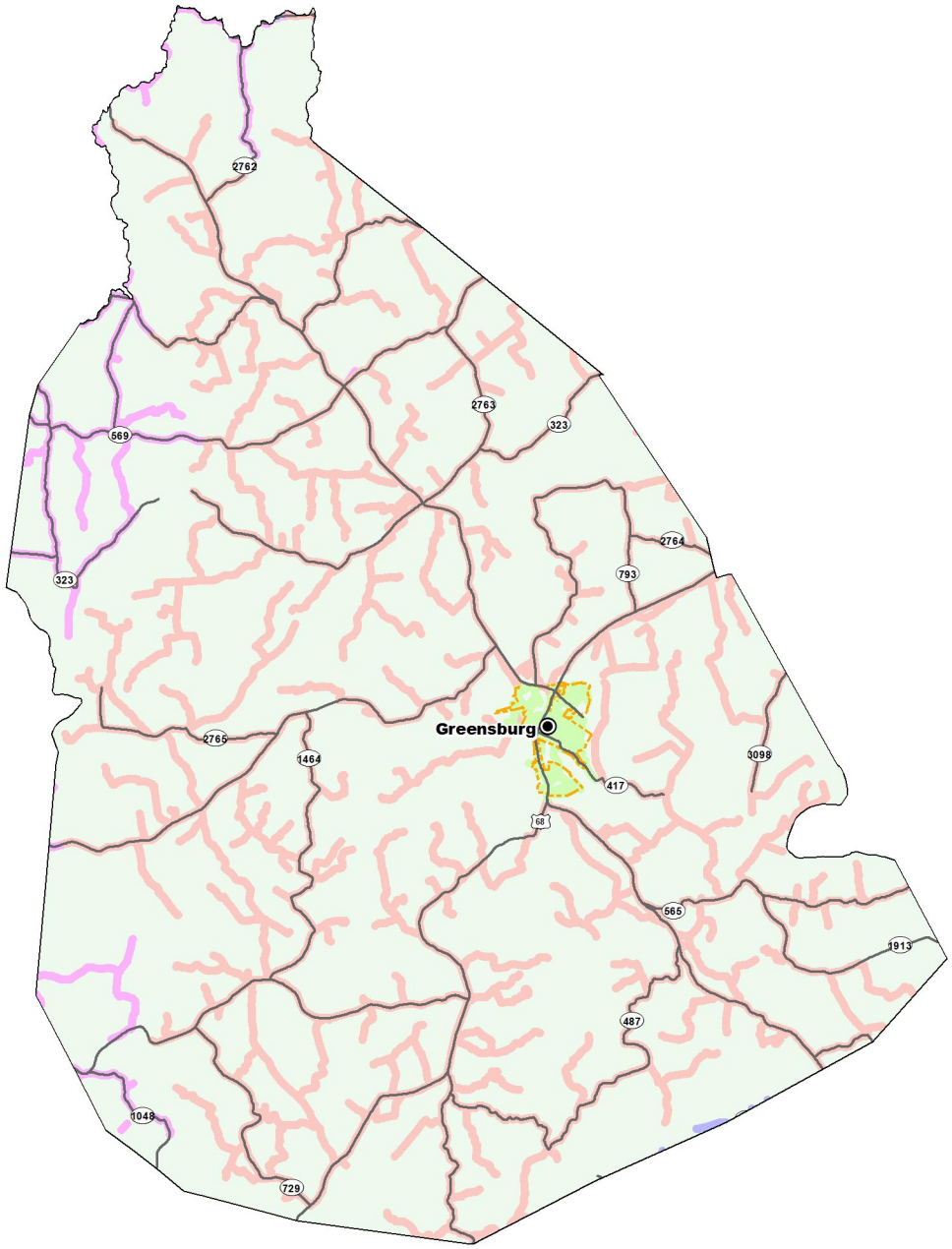
WATER SERVICE AREAS
GREEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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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	15	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	$37.40 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	4,924
Residential Customers	4,862	Total Produced (MG)	-
Commercial Customers	61	Total Purchased (MG)	393.026
Institutional Customers	-	Total Inside Usage (MG)	332.962
Industrial Customers	-	Total Wholesale Sold (MG)	2.969
Wholesale Customers	1	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 496.72 miles (Distribution: 495.52 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
WX21217025	2017 Water System Improvements	3-5 Years	Not Funded	$2,735,000	Taylor	1	1
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21087007	Green-Taylor US 68 Tank & Water Main Upgrade	3-5 Years	Not Funded	$1,358,000	Green		
WX21087015	GTWD – Summersville 300,000 Gallon Storage Tank Project	6-10 Years	Not Funded	$750,000	Green		
WX21087002	Green County Scattered Sites Water Expansion #2	6-10 Years	Not Funded	$644,000	Green		
WX21217019	Green-Taylor - Taylor County Water Line Extension	3-5 Years	Not Funded	$634,000	Taylor		
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 1.440 MGD.
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	11	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$21.49 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$38.52 per 4,000 gallons.	Total Connections	1,047
Residential Customers	875	Total Produced (MG)	355.254
Commercial Customers	130	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	82.515
Industrial Customers	-	Total Wholesale Sold (MG)	209.012
Wholesale Customers	1	Estimated Pct. Water Loss	18%
Total Distribution System Line Length = 28.89 miles (Distribution: 28.11 miles, Transmission: 0.78 miles).			

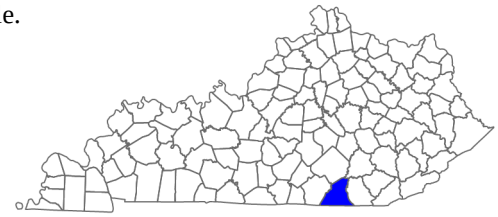
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21087008	Greensburg New Water Treatment Plant	3-5 Years	Partially Funded	$7,694,000	Green		
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 337.43 miles of existing water lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 19.00 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: $28,571,727.
- 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 157 serviceable households will be added through the construction of 18.00 miles of water line extensions and approximately 11,990 instances of improved service through the rehabilitation of 19.00 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	22	$28,817,727	157	11,990	18.00	19.00	-
Totals:	**22**	**$28,817,727**	**157**	**11,990**	**18.00**	**19.00**	**-**

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
February 19, 2016

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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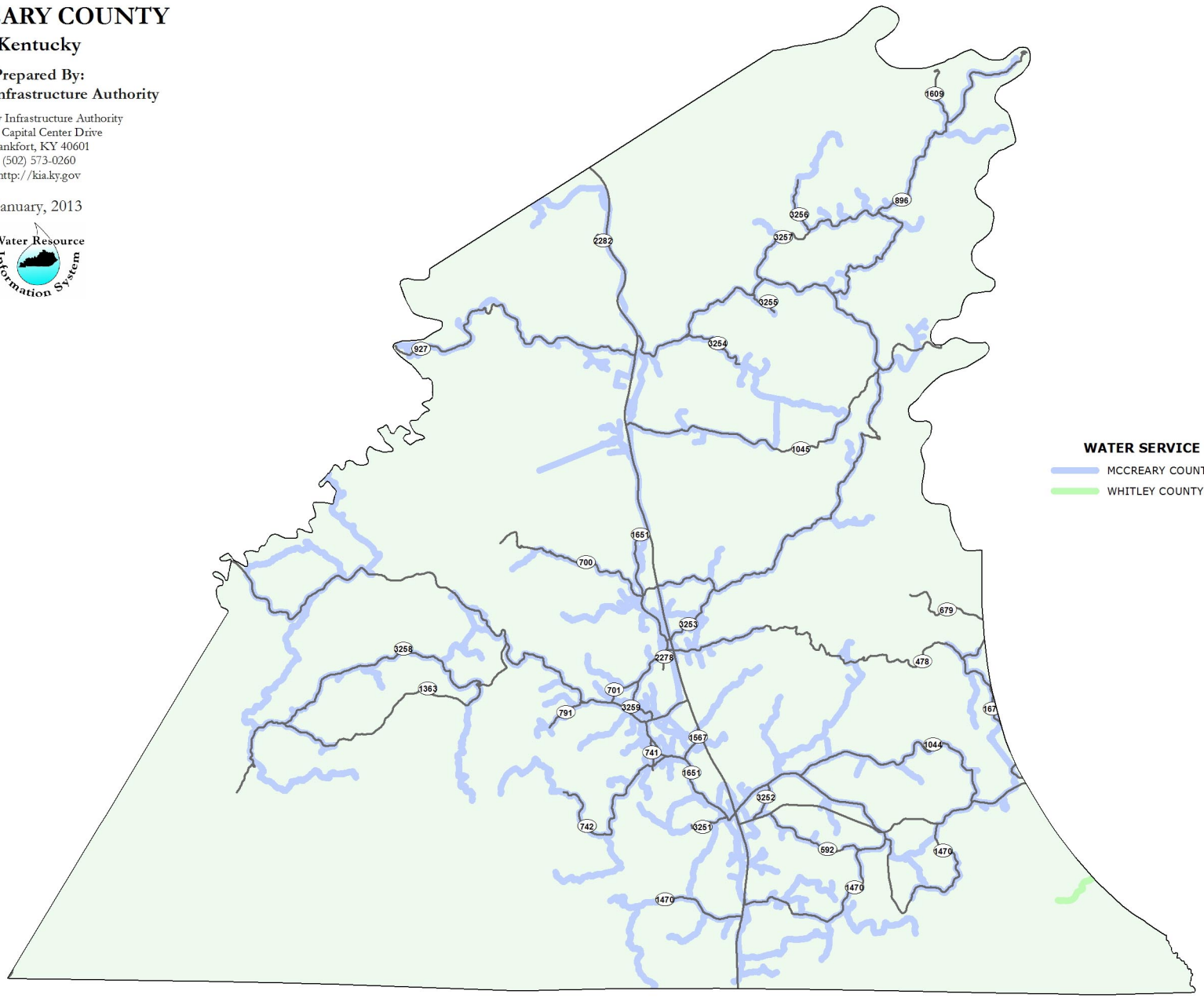


System Summary for McCreary County Water District

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	7,252
Residential Customers	5,666	Total Produced (MG)	584.387
Commercial Customers	237	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	494.725
Industrial Customers	6	Total Wholesale Sold (MG)	5.600
Wholesale Customers	1	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 335.76 miles (Distribution: 318.53 miles, Transmission: 17.22 miles).			

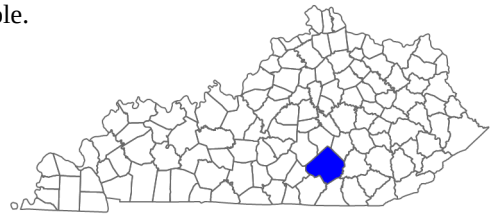
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21147033	MCWD - Marshes Siding 1.0 MG Storage Tank	3-5 Years	Not Funded	$2,800,000	McCreary	2	1
WX21147028	Stearns to Smithtown Phase 1 - Water Line Replacements	3-5 Years	Not Funded	$1,139,000	McCreary	3	2
WX21147015	Stearns to Smithtown Phase 2 - Water Line Replacements	3-5 Years	Not Funded	$964,000	McCreary	4	3
WX21147022	MCWD – New Pine Knot & Marshes Sidings Storage Tanks	3-5 Years	Not Funded	$4,596,000	McCreary		
WX21147003	MCWD - Water Treatment Plant No. 1 Upgrades	3-5 Years	Not Funded	$3,763,000	McCreary		
WX21147032	KY 92 Water Line Replacement & Pump Station Replacement & Upgrad	3-5 Years	Not Funded	$2,084,000	McCreary		
WX21147031	McCreary County Water District Radio Read Meter System	3-5 Years	Not Funded	$1,981,000	McCreary		
WX21147029	MCWD – Raw Water Pumps & WTP No. 1 Improvements	3-5 Years	Not Funded	$1,860,000	McCreary		
WX21147027	MCWD-Water Treatment Plant No.1 Improvements/Upgrades	0-2 Years	Not Funded	$1,845,000	McCreary		
WX21147011	McCreary County Water District - Raw Water Intake	3-5 Years	Partially Funded	$1,520,000	McCreary		
WX21147018	MCCWD – WTP 10-Inch DI Water Main Replacement	3-5 Years	Not Funded	$1,219,000	McCreary		
WX21147008	McCreary County Water District - County Water Extensions & Upgrades	3-5 Years	Partially Funded	$1,081,025	McCreary		
WX21147023	MCWD – Emergency Water Plant Power Supply	3-5 Years	Partially Funded	$1,072,000	McCreary		
WX21147012	MCWD-Cumberland Falls State Park & Riverwoods Environmental Education Center	3-5 Years	Not Funded	$997,702	McCreary		
WX21147019	MCCWD –Whitley City Water Main Replacement – Pipe Bursting Project	3-5 Years	Not Funded	$746,000	McCreary		
WX21147030	MCWD - Water Line Extensions	3-5 Years	Not Funded	$445,000	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		

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 1,413.36 miles of existing water lines.
- 49.00 miles of line extensions proposed in the next 10 years.
- 37.00 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: $30,581,800.
- Estimated funding needs for projects from 6 to 10 years: $3,897,394.



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 54 serviceable households will be added through the construction of 49.00 miles of water line extensions and approximately 19,500 instances of improved service through the rehabilitation of 37.00 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			
Bronston Water Association Inc	4	$3,268,000	-	323	-	8.00	1.00
City of Burnside	10	$3,393,000	-	3,016	-	4.00	-
City of Eubank	5	$2,620,800	1	4,983	1.00	5.00	7.00
City of Russell Springs	1	$831,000	16	-	2.00	-	-
City of Science Hill	4	$3,956,885	28	319	34.00	7.00	-
City of Somerset	2	$8,375,000	-	8,856	1.00	1.00	-
South Eastern Water Association Inc	8	$7,468,509	9	1,223	11.00	12.00	5.00
Western Pulaski County Water District	3	$4,566,000	-	780	-	-	3.00
Totals:	**37**	**$34,479,194**	**54**	**19,500**	**49.00**	**37.00**	**16.00**

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	2,393	1,565
KY1000050	Burnside Municipal Water Works	Pulaski	1,165	677
KY1000124	Eubank Water System	Pulaski	4,640	2,026
KY1000362	Science Hill Water Works	Pulaski	4,756	2,055
KY1000403	Somerset Utilities	Pulaski	17,104	8,273
KY1000311	Southeastern Water Association	Pulaski	14,985	8,017
KY1000363	Western Pulaski County Water District	Pulaski	15,878	7,426
KY1000973	Woodson Bend Property Owners Association	Pulaski	137	356
KY1020891	Western Rockcastle Water Association	Rockcastle	335	162
		Totals:	61,393	30,557

Kentucky Infrastructure Authority
February 19, 2016

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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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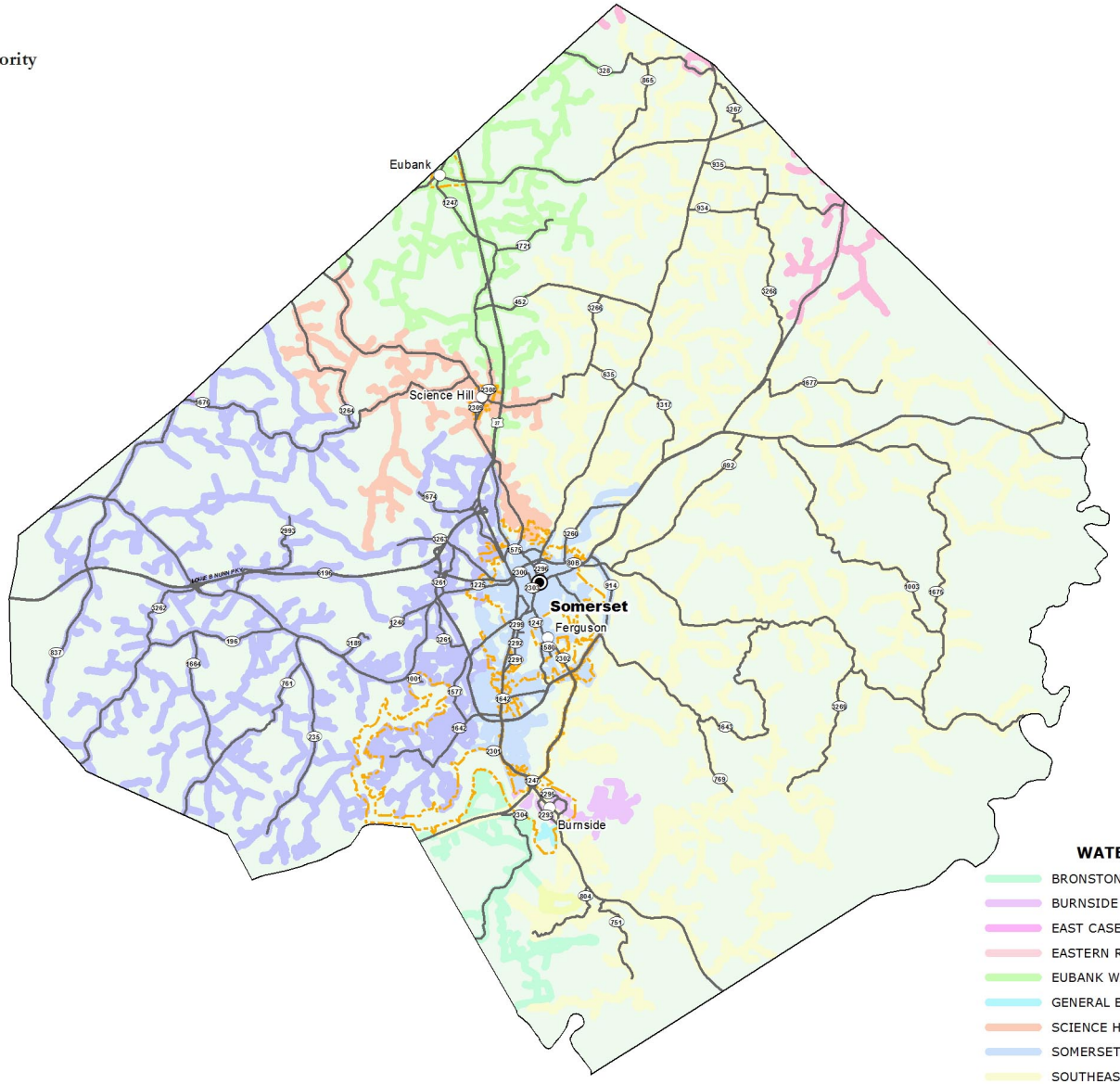
Water Resource Information System



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	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$38.09 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	1,785
Residential Customers	1,715	Total Produced (MG)	-
Commercial Customers	70	Total Purchased (MG)	88.871
Institutional Customers	-	Total Inside Usage (MG)	66.249
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%

Total Distribution System Line Length = 78.22 miles (Distribution: 78.22 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
WX21231014	Monticello Water Treatment Plant Improvements	3-5 Years	Partially Funded	$11,246,000	Wayne		
WX21199122	Green Hill Estate, Cedar Hill Heights, & Old Schoolhouse Road Water Line Replacement & Improvements	3-5 Years	Not Funded	$1,039,000	Pulaski		
WX21199124	Kentucky Highway 90 500,000 Gallon Ground Water Storage Tank Replacement	3-5 Years	Not Funded	$875,000	Pulaski		
WX21199097	Bronston – 500K Gallon Ground Water Storage Tank Replacement & W	3-5 Years	Not Funded	$801,000	Pulaski		
WX21199092	Bronston – Waitsboro Area & Colyer Rd Waterline Improvements	3-5 Years	Not Funded	$553,000	Pulaski		

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	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$38.50 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$47.79 per 4,000 gallons.	Total Connections	634
Residential Customers	579	Total Produced (MG)	66.100
Commercial Customers	39	Total Purchased (MG)	7.624
Institutional Customers	-	Total Inside Usage (MG)	35.880
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	51%

Total Distribution System Line Length = 28.32 miles (Distribution: 28.26 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
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		
WX21199074	Burnside - WTP Repairs - Revised	3-5 Years	Not Funded	$440,000	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		
WX21199087	Burnside–E. French Ave. Water Project	3-5 Years	Not Funded	$170,000	Pulaski		
WX21199051	Burnside – Tank Cleaning & Painting Project	3-5 Years	Not Funded	$111,000	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 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	4,289
Residential Customers	4,170	Total Produced (MG)	-
Commercial Customers	118	Total Purchased (MG)	287.323
Institutional Customers	-	Total Inside Usage (MG)	237.059
Industrial Customers	-	Total Wholesale Sold (MG)	27.255
Wholesale Customers	1	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 267.59 miles (Distribution: 262.90 miles, Transmission: 4.68 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	13	2
WX21199098	City of Eubank – Phase III – New Water Transmission Line	3-5 Years	Not Funded	$1,866,000	Pulaski		
WX21199106	Water Meter Replacement Project	3-5 Years	Not Funded	$357,000	Pulaski		
WX21199115	Relocate Water Line from KY 501 Bridge at RR - Kings Mountain	3-5 Years	Not Funded	$302,000	Pulaski		
WX21199095	Eubank – Water Line Replacement (West Ridge Rd.)	6-10 Years	Not Funded	$273,800	Pulaski		
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		
WX21137017	South Fishing Creek Waterline Extension	0-2 Years	Not Funded	$100,000	Lincoln		
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		
WX21199041	City of Eubank Y2006 Water System Additions and Improvements	3-5 Years	Partially Funded	$77,000	Pulaski		
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	3	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	2,102
Residential Customers	2,001	Total Produced (MG)	-
Commercial Customers	91	Total Purchased (MG)	141.236
Institutional Customers	1	Total Inside Usage (MG)	105.196
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 81.96 miles (Distribution: 81.69 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 3 MG Storage Tank, 10 MG Booster Station, & Transmission	3-5 Years	Not Funded	$8,250,000	Pulaski		
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	3-5 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	27	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	$16.84 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	$25.25 per 4,000 gallons.	Total Connections	9,277
Residential Customers	6,802	Total Produced (MG)	2,787.634
Commercial Customers	2,178	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	636.645
Industrial Customers	16	Total Wholesale Sold (MG)	1,429.556
Wholesale Customers	4	Estimated Pct. Water Loss	26%
Total Distribution System Line Length = 164.93 miles (Distribution: 164.48 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 3 MG Storage Tank, 10 MG Booster Station, & Transmission	3-5 Years	Not Funded	$8,250,000	Pulaski		
WX21199039	Somerset/Columbia St Water Distribution Rehabilitation	3-5 Years	Not Funded	$125,000	Pulaski		

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	10	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, 11 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	7,396
Residential Customers	7,222	Total Produced (MG)	-
Commercial Customers	8	Total Purchased (MG)	518.642
Institutional Customers	-	Total Inside Usage (MG)	427.029
Industrial Customers	2	Total Wholesale Sold (MG)	7.624
Wholesale Customers	1	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 594.21 miles (Distribution: 591.91 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 3 MG Storage Tank, 10 MG Booster Station, & Transmission	3-5 Years	Not Funded	$8,250,000	Pulaski		
WX21199082	SWA – Bandy Area Water System Improvements	3-5 Years	Not Funded	$3,350,000	Pulaski		
WX21199120	KY 192 Water Line Reinforcement Project	6-10 Years	Not Funded	$1,220,009	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		
WX21199004	KY 1003 Waterline Replacement	3-5 Years	Not Funded	$297,000	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	10	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$26.98 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	8,260
Residential Customers	8,134	Total Produced (MG)	-
Commercial Customers	126	Total Purchased (MG)	482.355
Institutional Customers	-	Total Inside Usage (MG)	368.098
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%

Total Distribution System Line Length = 446.98 miles (Distribution: 446.98 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 3 MG Storage Tank, 10 MG Booster Station, & Transmission	3-5 Years	Not Funded	$8,250,000	Pulaski		
WX21199108	North water System Improvements & Extensions	3-5 Years	Not Funded	$2,283,000	Pulaski		
WX21199065	WPCWD – Green River Knob Water Storage Tank	3-5 Years	Not Funded	$1,600,000	Pulaski		
WX21199105	Hickory Nut Water Storage Tank Upgrade	3-5 Years	Not Funded	$683,000	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	491
Residential Customers	488	Total Produced (MG)	14.827
Commercial Customers	3	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	14.827
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%

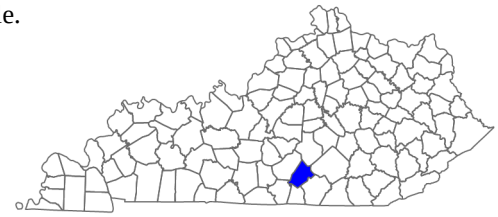
Total Distribution System Line Length = 5.00 miles (Distribution: 4.77 miles, Transmission: 0.23 miles).

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 521.25 miles of existing water lines.
- 44.00 miles of 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: $3,943,062.
- Estimated funding needs for projects from 6 to 10 years: $1,642,823.



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 61 serviceable households will be added through the construction of 44.00 miles of water line extensions. 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 Jamestown	11	$3,943,062	40	-	19.00	-	4.00
City of Russell Springs	3	$1,642,823	21	-	25.00	-	1.00
Totals:	**14**	**$5,585,885**	**61**	-	**44.00**	-	**5.00**

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	7,227	4,121
KY1040377	Russell Springs Sewer & Water Works	Russell	9,389	4,879
KY0011016	Columbia/Adair Utilities District	Adair	30	14
KY1000363	Western Pulaski County Water District	Pulaski	510	769
		Totals:	17,156	9,783

Kentucky Infrastructure Authority
February 19, 2016

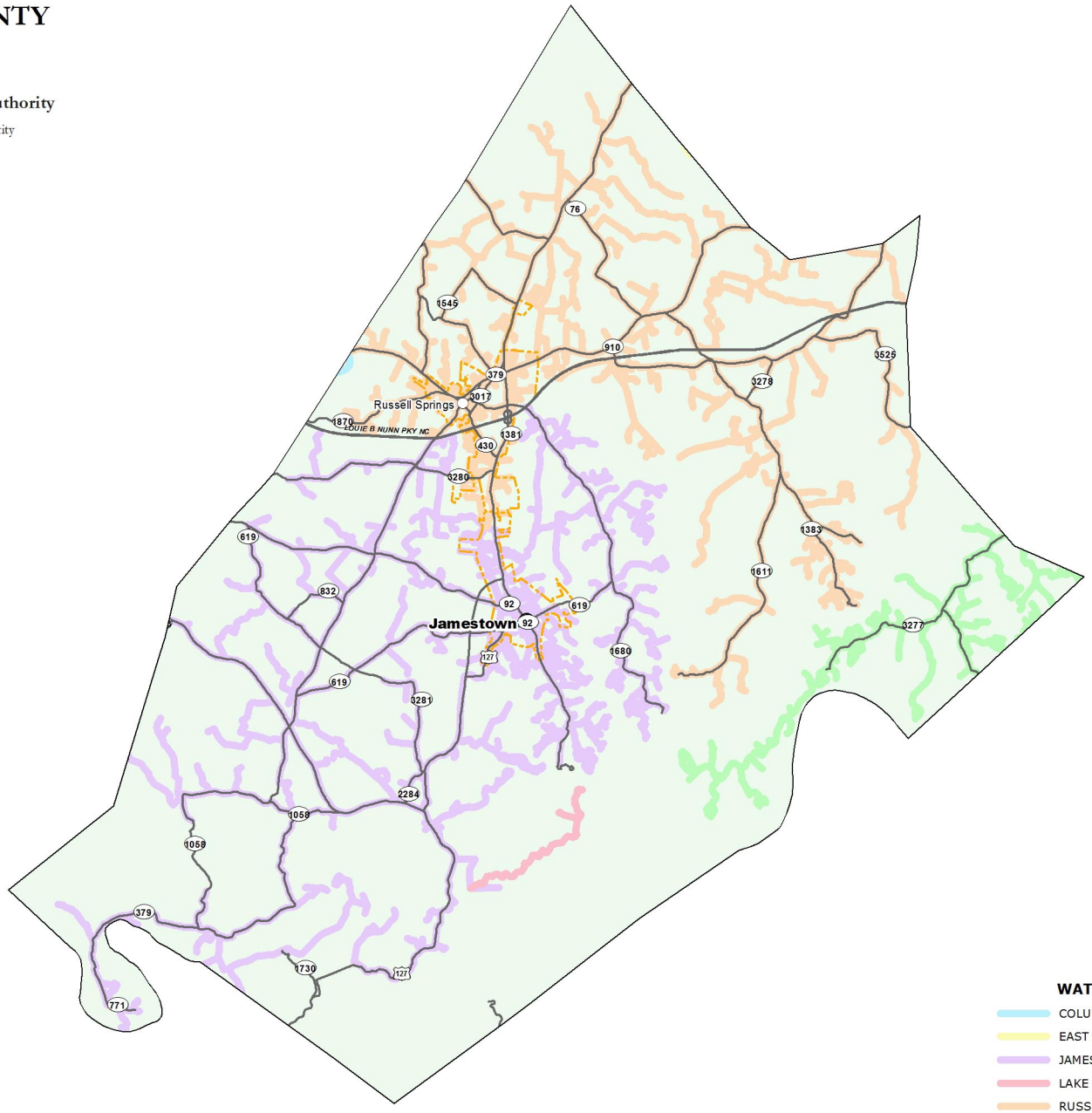
WATER SERVICE AREAS
RUSSELL COUNTY
Kentucky

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 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	9	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	$20.38 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$27.33 per 4,000 gallons.	Total Connections	3,706
Residential Customers	3,384	Total Produced (MG)	1,188.447
Commercial Customers	136	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	656.571
Industrial Customers	8	Total Wholesale Sold (MG)	412.844
Wholesale Customers	2	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 248.04 miles (Distribution: 246.54 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
WX21207009	Jamestown – Booster Pump Station Along US 127 South	3-5 Years	Partially Funded	$2,600,000	Russell		
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		

Russell County (continued)

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	$16.50 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$22.60 per 4,000 gallons.	Total Connections	4,304
Residential Customers	3,925	Total Produced (MG)	-
Commercial Customers	360	Total Purchased (MG)	413.546
Institutional Customers	-	Total Inside Usage (MG)	271.044
Industrial Customers	17	Total Wholesale Sold (MG)	51.180
Wholesale Customers	2	Estimated Pct. Water Loss	22%

Total Distribution System Line Length = 230.77 miles (Distribution: 230.54 miles, Transmission: 0.24 miles).

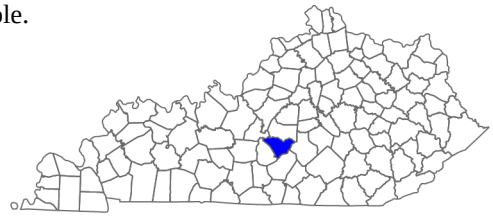
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21207009	Jamestown – Booster Pump Station Along US 127 South	3-5 Years	Partially Funded	$2,600,000	Russell		
WX21207007	Russell Springs Scattered Sites Water Expansion	6-10 Years	Not Funded	$831,000	Russell		
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 479.13 miles of existing water lines.
- 47.00 miles of line extensions proposed in the next 10 years.
- 3.00 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: $18,376,115.
- 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 61 serviceable households will be added through the construction of 47.00 miles of water line extensions and approximately 76 instances of improved service through the rehabilitation of 3.00 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 Campbellsville	7	$16,237,115	52	46	40.00	1.00	5.00
Green-Taylor Water District	3	$2,139,000	9	30	7.00	2.00	-
Totals:	**10**	**$18,376,115**	**61**	**76**	**47.00**	**3.00**	**5.00**

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	20,716	9,223
KY0011016	Columbia/Adair Utilities District	Adair	40	19
KY0440167	Green-Taylor Water District	Green	2,984	1,257
KY0620237	Larue County Water District #1	Larue	50	29
		Totals:	23,790	10,528

Kentucky Infrastructure Authority
February 19, 2016

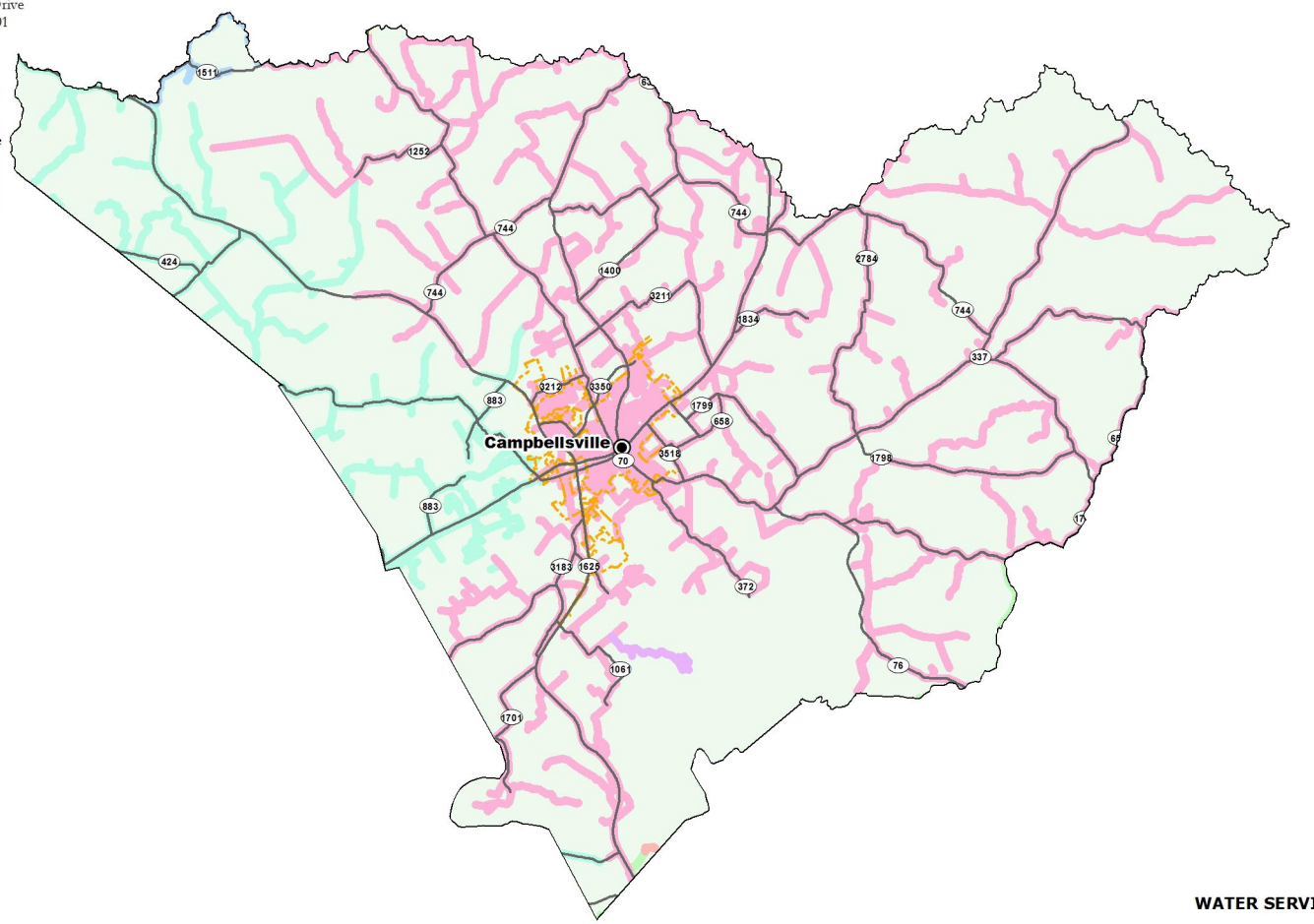
WATER SERVICE AREAS
TAYLOR COUNTY
Kentucky

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



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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	25	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 5 purchasers.
Inside Mun. Cost	$15.04 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$32.42 per 4,000 gallons.	Total Connections	9,377
Residential Customers	7,656	Total Produced (MG)	1,210.230
Commercial Customers	1,790	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,011.038
Industrial Customers	17	Total Wholesale Sold (MG)	172.171
Wholesale Customers	5	Estimated Pct. Water Loss	2%

Total Distribution System Line Length = 399.95 miles (Distribution: 389.04 miles, Transmission: 10.91 miles).

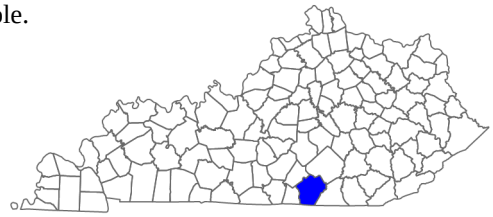
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21217025	2017 Water System Improvements	3-5 Years	Not Funded	$2,735,000	Taylor	1	1
WX21217020	Campbellsville - Water Storage Tank Improvements	3-5 Years	Not Funded	$5,000,000	Taylor		
WX21217021	North Campbellsville Area Water Storage Tank	3-5 Years	Not Funded	$2,565,000	Taylor		
WX21217018	Campbellsville – Taylor County Scattered Sites – Phase 3	3-5 Years	Not Funded	$2,074,615	Taylor		
WX21217005	Campbellsville-Taylor County Industrial Park Extension	3-5 Years	Not Funded	$500,000	Taylor		
WX21217022	Taylor County School Water & Sewer System Extension	3-5 Years	Not Funded	$180,600	Taylor		

Wayne County

- 2010 census population of 20,813 (10,942 households) with 89% serviceable.
- Projected 2020 population of 22,128 (change of 1,315).
- Wayne County has 460.39 miles of existing water lines.
- 34.00 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: $13,134,500.
- 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 89 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 284 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			
Bronston Water Association Inc	1	$1,039,000	-	17	-	2.00	-
City of Monticello	7	$15,273,500	151	267	34.00	8.00	-
Totals:	**8**	**$16,312,500**	**151**	**284**	**34.00**	**10.00**	**-**

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	17,477	8,626
KY1000043	Bronston Water Association	Pulaski	734	414
KY1000363	Western Pulaski County Water District	Pulaski	501	716
		Totals:	18,712	9,756

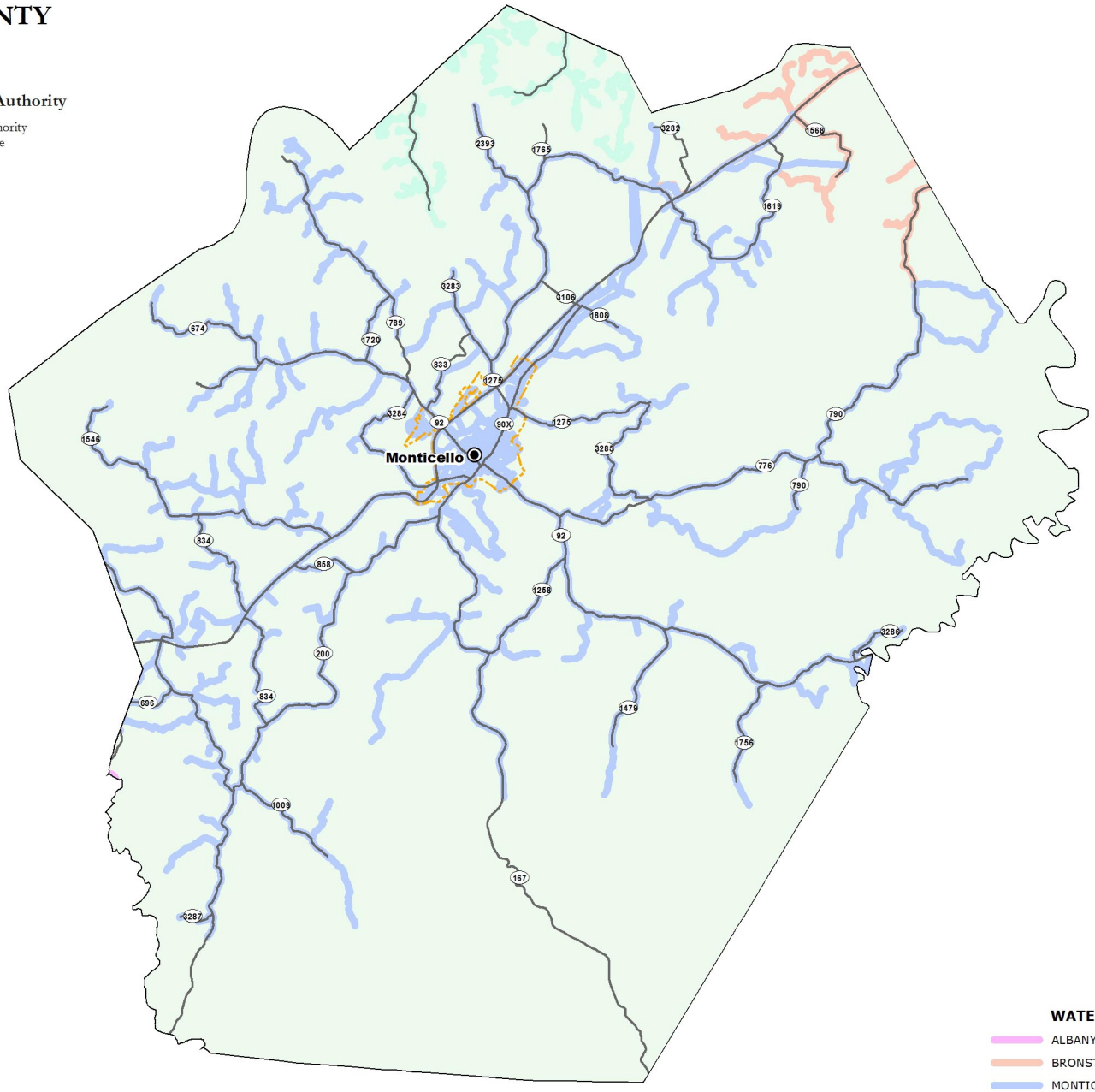
Kentucky Infrastructure Authority
February 19, 2016

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 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	14	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$20.90 per 4,000 gallons.	Storage Capacity	Yes, 15 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$26.12 per 4,000 gallons.	Total Connections	10,038
Residential Customers	7,520	Total Produced (MG)	950.131
Commercial Customers	541	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	631.531
Industrial Customers	-	Total Wholesale Sold (MG)	88.871
Wholesale Customers	1	Estimated Pct. Water Loss	24%

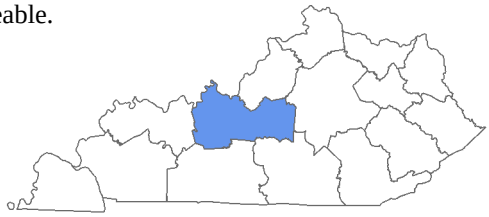
Total Distribution System Line Length = 396.60 miles (Distribution: 387.56 miles, Transmission: 9.04 miles).

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
WX21231014	Monticello Water Treatment Plant Improvements	3-5 Years	Partially Funded	$11,246,000	Wayne		
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 95% serviceable.
- Projected 2020 population of 295,040 (change of 25,923).
- 5,074.67 miles of existing water lines.
- 364.00 miles of line extensions proposed in the next 10 years.
- 37.00 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: $172,770,263.
- Estimated funding needs for projects from 6 to 10 years: $290,400.
- Average age of structures: water treatment plants is 47 years; water tanks is 26 years.
- Total number of interconnected systems is 26.
- 101 miles of asbestos concrete pipe currently in use.
- 1,590 miles of water lines less than 15 years old.
- 496 miles of water lines between 15 and 30 years old.
- 1,047 miles of water lines between 31 and 50 years old.
- 1,382 miles of water lines between 51 and 70 years old.
- 71 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 95 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,500 serviceable households will be added through the construction of 364.00 miles of water line extensions and approximately 110,797 instances of improved service through the rehabilitation of 37.00 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	7,904	74%	$ 35,051,422
Grayson	25,746	13,561	27,048	11,007	13,358	99%	$ 17,203,038
Hardin	105,543	43,261	116,612	46,055	42,646	99%	$ 77,071,485
Larue	14,193	6,172	14,961	6,069	6,138	99%	$ 9,446,000
Marion	19,820	8,182	21,424	8,332	8,093	99%	$ 6,363,260
Meade	28,602	11,762	30,901	11,964	10,390	88%	$ 14,104,858
Nelson	43,437	18,075	50,119	20,219	17,832	99%	$ 8,530,600
Washington	11,717	5,044	12,486	4,958	4,944	98%	$ 5,290,000
Totals	**269,117**	**116,687**	**295,040**	**117,392**	**111,305**	**95%**	**$ 173,060,663**

Kentucky Infrastructure Authority
February 19, 2016

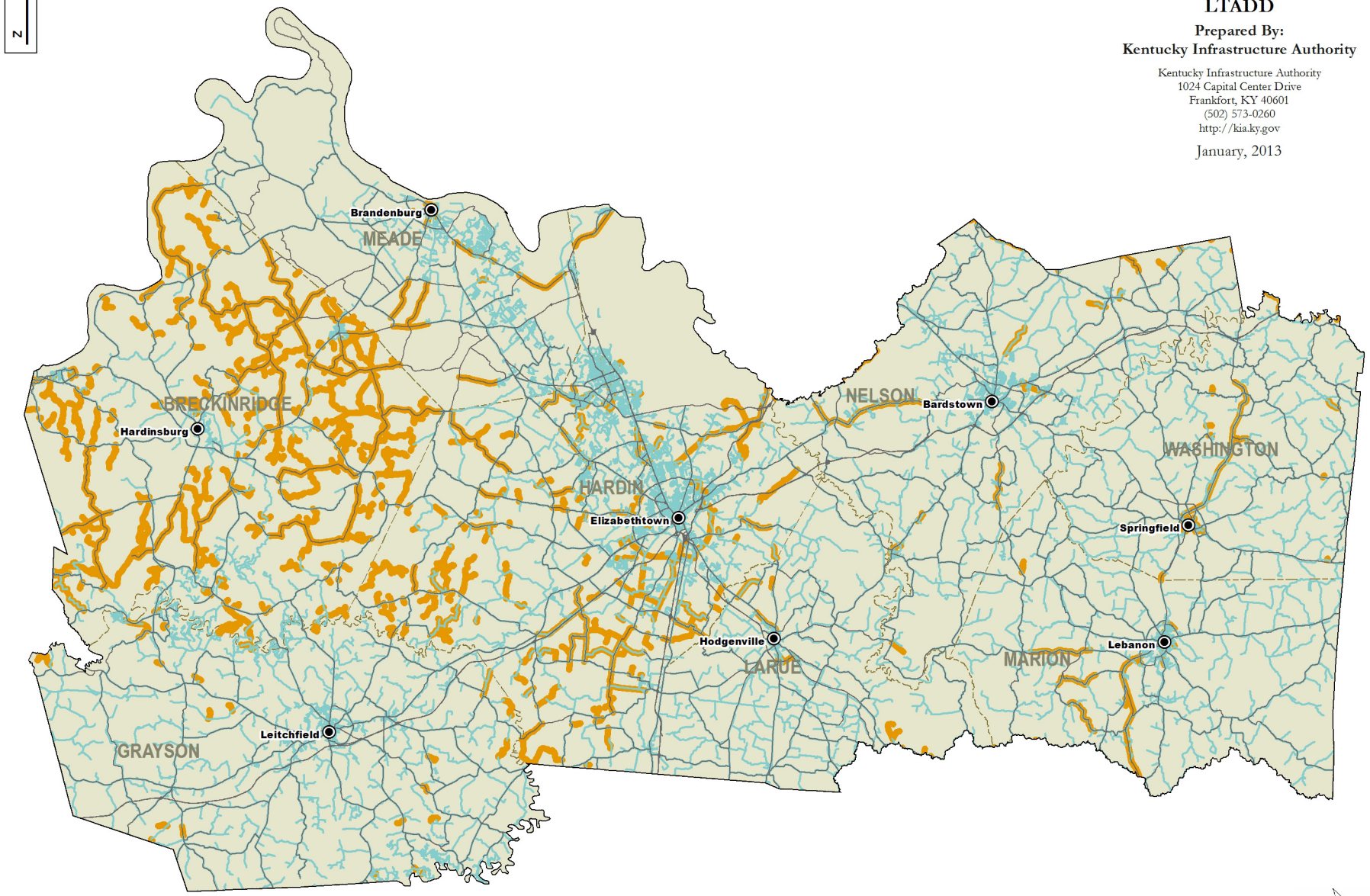
EXISTING & PROPOSED WATER LINES

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	11,494	6,482
KY0140206	Irvington Water System	Breckinridge	1,419	655
KY0430063	Caneyville Municipal Water Works	Grayson	1,667	816
KY0430616	Grayson County Water District	Grayson	14,122	6,997
KY0430244	Leitchfield Utilities	Grayson	6,534	2,902
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	26,846	11,470
KY0470440	Vine Grove Water Department	Hardin	4,344	1,823
KY0470455	West Point Water Department	Hardin	898	473
KY0620200	Hodgenville Water Works	Larue	4,045	1,746
KY0620237	Larue County Water District #1	Larue	9,062	3,865
KY0780241	Lebanon Water Works Co Inc	Marion	6,115	2,840
KY0780268	Marion County Water District	Marion	14,705	5,775
KY0820041	Brandenburg Water Works	Meade	3,318	1,420
KY0820369	Meade County Water District	Meade	15,936	6,188
KY0820481	Muldraugh Water Department	Meade	941	537
KY0900017	Bardstown Municipal Water Department	Nelson	25,496	10,790
KY0900031	Bloomfield Water & Sewer Department	Nelson	4,372	1,871
KY0900312	New Haven Municipal Water Works	Nelson	1,357	581
KY0900323	North Nelson Water District	Nelson	10,926	4,333
KY1150415	Springfield Water & Sewer Commission	Washington	10,414	4,499
		Totals:	251,949	107,649

Project Rankings For Lincoln Trail Area Development District

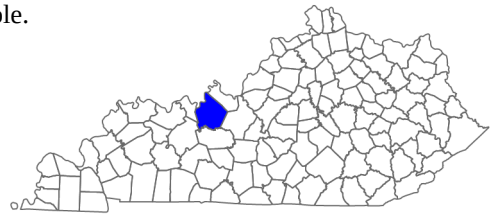
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21093044	Hardin Co. Water District No. 1 Hwy 313 & 1882 Transmission Main	0-2 Years	Not Funded	$1,570,000	Hardin	1	3
WX21163016	Phase VIII Water System Improvements/ Meade Co. Water District	3-5 Years	Not Funded	$2,000,000	Meade	2	2
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	$1,000,000	Washington	3	2
WX21027028	City of Hardinsburg - Extension Area A	3-5 Years	Not Funded	$1,243,180	Breckinridge	4	1
WX21155034	Marion Co. Water District Tank Improvements Phase II	6-10 Years	Not Funded	$290,400	Marion	5	1
WX21085033	Leitchfield WTP Upgrade and Expansion	3-5 Years	Not Funded	$7,500,000	Grayson	6	1
WX21229012	Beech Fork Raw Water Intake	3-5 Years	Not Funded	$500,000	Washington	7	1
WX21155036	Marion County Water District Lebanon Bypass Elevated Tank	3-5 Years	Not Funded	$2,055,000	Marion	8	2
WX21027046	Cloverport Service Line Replacement & Extension	3-5 Years	Not Funded	$430,810	Breckinridge	9	2
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	$4,000,000	Hardin	10	1
WX21163007	Brandenburg Old State Road Replacement	3-5 Years	Not Funded	$300,000	Meade	11	1
WX21179014	Bloomfield Water System Improvements	3-5 Years	Not Funded	$800,000	Nelson	12	1
WX21123025	Larue Co. W.D. - Hwy 84 Pump Station	3-5 Years	Not Funded	$250,000	Larue	13	1
WX21163022	Flaherty Water Transmission Main	0-2 Years	Not Funded	$1,999,175	Meade	14	3
WX21027008	Rehabilitation of Irvington Water System	3-5 Years	Not Funded	$1,004,055	Breckinridge	15	3
WX21155023	Lebanon Water Works Co. Calvary Rd Waterline Replacement	3-5 Years	Not Funded	$1,200,000	Marion	16	3
WX21093009	HCWD #2 New Elevated Tank	3-5 Years	Not Funded	$2,500,000	Hardin	17	2
WX21027029	City of Hardinsburg - Extension Area B	3-5 Years	Not Funded	$837,180	Breckinridge	18	4
WX21155035	Marion County Water District Telemetry Project	0-2 Years	Not Funded	$265,200	Marion	19	4
WX21229010	Springfield - Willisburg Lake Improvements	3-5 Years	Not Funded	$1,500,000	Washington	20	3
WX21179024	New Haven Downtown Waterline Replacement	3-5 Years	Not Funded	$250,000	Nelson	21	2
WX21123021	Hodgenville Shepherdsville Road Line Extension Project	3-5 Years	Not Funded	$250,000	Larue	23	3
WX21179010	North Nelson Hwy 245 Replacement	3-5 Years	Not Funded	$450,500	Nelson	24	4
WX21163023	Muldraugh Finished Water Connection	3-5 Years	Not Funded	$455,000	Meade	25	4
WX21027030	City of Hardinsburg - Extension Area C	3-5 Years	Not Funded	$1,299,020	Breckinridge	26	5
WX21123024	Larue Co. Water District #1 GIS Technology	0-2 Years	Not Funded	$85,000	Larue	27	4
WX21085007	City of Leitchfield-Water Tower	3-5 Years	Not Funded	$1,325,000	Grayson	28	3
WX21179015	Bloomfield Water Line Extensions and Telemetry	3-5 Years	Not Funded	$675,000	Nelson	29	3
WX21123020	Hodgenville Smith Plaza Tower Replacement/Upgrade	3-5 Years	Not Funded	$300,000	Larue	30	2
WX21229005	City of Springfield Waterline Replacement/Upgrade	3-5 Years	Not Funded	$1,000,000	Washington	31	4
WX21093018	HCWD No. 2, 2020 Project Phase VI	3-5 Years	Not Funded	$4,800,000	Hardin	32	4
WX21155022	Marion County Water District McElroy Phase 2 Water System Extens	3-5 Years	Not Funded	$660,000	Marion	33	5
WX21085023	Grayson Co. Water District - Tank Mixing Upgrades	3-5 Years	Not Funded	$250,000	Grayson	34	4
WX21093034	HCWD#2 Cecilia Pump Station Emergency Power	3-5 Years	Not Funded	$500,000	Hardin	35	5
WX21085024	City of Caneyville- Tank Mixing Upgrade	3-5 Years	Not Funded	$250,000	Grayson	36	5

Project Rankings For Lincoln Trail Area Development 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	37	5
WX21229006	Springfield New Raw Water Pump	3-5 Years	Not Funded	$750,000	Washington	38	5
			Total Cost:	**$44,942,620**			

Breckinridge County

- 2010 census population of 20,059 (10,630 households) with 74% serviceable.
- Projected 2020 population of 21,489 (change of 1,430).
- Breckinridge County has 431.65 miles of existing water lines.
- 228.00 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: $35,051,422.
- 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 74 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2,032 serviceable households will be added through the construction of 228.00 miles of water line extensions and approximately 1,124 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	17	$32,992,767	1,958	574	224.00	-	-
City of Irvington	2	$1,364,855	61	-	3.00	-	-
Totals:	**21**	**$35,051,422**	**2,032**	**1,124**	**228.00**	**-**	**-**

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	11,488	6,481
KY0140206	Irvington Water System	Breckinridge	1,418	654
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:	14,402	7,898

Kentucky Infrastructure Authority
February 19, 2016

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)	58.101
Institutional Customers	-	Total Inside Usage (MG)	44.890
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 14.06 miles (Distribution: 14.03 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	9	2
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge		
WX21027009	Rehabilitation of Water Storage Tank In Cloverport	3-5 Years	Not Funded	$262,990	Breckinridge		

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	4,882	Total Produced (MG)	540.120
Commercial Customers	373	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	341.214
Industrial Customers	6	Total Wholesale Sold (MG)	114.401
Wholesale Customers	2	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 372.12 miles (Distribution: 371.32 miles, Transmission: 0.81 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
WX21027028	City of Hardinsburg - Extension Area A	3-5 Years	Not Funded	$1,243,180	Breckinridge	4	1
WX21027029	City of Hardinsburg - Extension Area B	3-5 Years	Not Funded	$837,180	Breckinridge	18	4
WX21027030	City of Hardinsburg - Extension Area C	3-5 Years	Not Funded	$1,299,020	Breckinridge	26	5
WX21027048	Hardinsburg: Webster / Lodiburg (Area 6 & 8) Phase II	3-5 Years	Not Funded	$4,731,374	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		
WX21027037	City of Hardinsburg - Area 12 Waterline Extension	3-5 Years	Not Funded	$1,770,030	Breckinridge		
WX21027035	City of Hardinsburg - Area 10 Waterline Extension	3-5 Years	Not Funded	$1,753,140	Breckinridge		
WX21027027	City of Hardinsburg - Area 2 Waterline Extension	3-5 Years	Not Funded	$1,341,850	Breckinridge		
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge		
WX21027049	McQuady Phase III Additions	0-2 Years	Not Funded	$755,188	Breckinridge		
WX21027020	City of Hardinsburg Henning Booster Station Parallel Line	0-2 Years	Not Funded	$309,420	Breckinridge		
WX21027019	City of Hardinsburg: JM Mercer Campsite Rd Water Line Extension	0-2 Years	Not Funded	$151,800	Breckinridge		

Breckinridge County (continued)

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)	56.300
Institutional Customers	-	Total Inside Usage (MG)	44.240
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	21%

Total Distribution System Line Length = 17.12 miles (Distribution: 17.12 miles, Transmission: 0.00 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
WX21027008	Rehabilitation of Irvington Water System	3-5 Years	Not Funded	$1,004,055	Breckinridge	15	3
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	$1,249,240	Breckinridge		
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 830.03 miles of existing water lines.
- 15.00 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: $17,203,038.
- 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 3,165 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 Caneyville	2	$483,000	-	-	-	-	-
City of Leitchfield	3	$9,131,500	-	3,150	-	-	-
Edmonson County Water District	3	$6,410,053	5	-	3.00	-	-
Grayson County Water District	3	$1,178,485	12	15	12.00	-	-
Totals:	**11**	**$17,203,038**	**17**	**3,165**	**15.00**	**-**	**-**

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	14,117	6,994
KY0430244	Leitchfield Utilities	Grayson	6,534	2,902
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:	25,317	13,355

Kentucky Infrastructure Authority
February 19, 2016

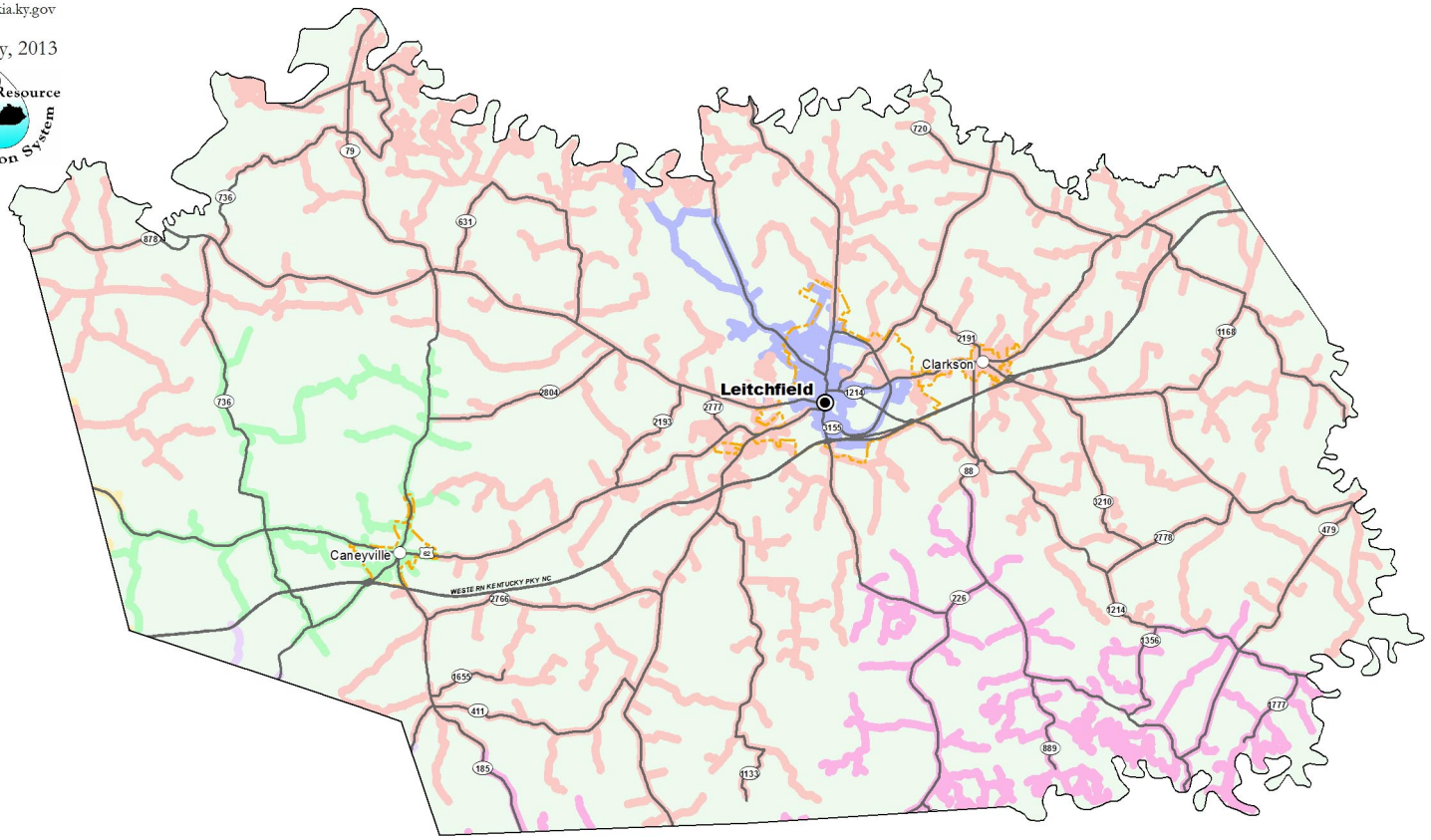
WATER SERVICE AREAS
GRAYSON COUNTY
Kentucky

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

Grayson County (continued)

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	$34.08 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$42.38 per 4,000 gallons.	Total Connections	737
Residential Customers	689	Total Produced (MG)	-
Commercial Customers	55	Total Purchased (MG)	51.163
Institutional Customers	4	Total Inside Usage (MG)	32.650
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	36%

Total Distribution System Line Length = 58.82 miles (Distribution: 58.61 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
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	6,126	Total Produced (MG)	235.044
Commercial Customers	299	Total Purchased (MG)	171.077
Institutional Customers	-	Total Inside Usage (MG)	319.960
Industrial Customers	-	Total Wholesale Sold (MG)	51.163
Wholesale Customers	1	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 546.56 miles (Distribution: 546.23 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
WX21085033	Leitchfield WTP Upgrade and Expansion	3-5 Years	Not Funded	$7,500,000	Grayson	6	1
WX21085023	Grayson Co. Water District - Tank Mixing Upgrades	3-5 Years	Not Funded	$250,000	Grayson	34	4
WX21085029	Grayson Co. Water District Project 18	3-5 Years	Not Funded	$444,500	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	$29.53 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$32.48 per 4,000 gallons.	Total Connections	2,822
Residential Customers	2,423	Total Produced (MG)	730.311
Commercial Customers	405	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	417.425
Industrial Customers	21	Total Wholesale Sold (MG)	171.077
Wholesale Customers	1	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 88.67 miles (Distribution: 73.52 miles, Transmission: 15.15 miles).			

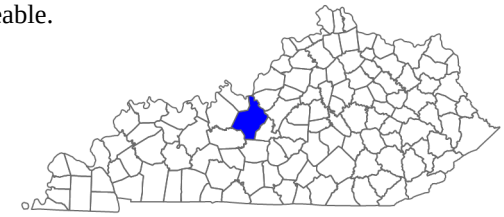
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21085033	Leitchfield WTP Upgrade and Expansion	3-5 Years	Not Funded	$7,500,000	Grayson	6	1
WX21085007	City of Leitchfield-Water Tower	3-5 Years	Not Funded	$1,325,000	Grayson	28	3
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 1,373.30 miles of existing water lines.
- 80.00 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: $77,071,485.
- 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 80.00 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	7	$24,813,045	125	15,050	80.00	-	11.00
Louisville Water Company	2	$26,273,000	-	-	-	-	4.00
Totals:	**21**	**$77,071,485**	**126**	**80,133**	**80.00**	**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	26,103	11,173
KY0470440	Vine Grove Water Department	Hardin	4,344	1,823
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

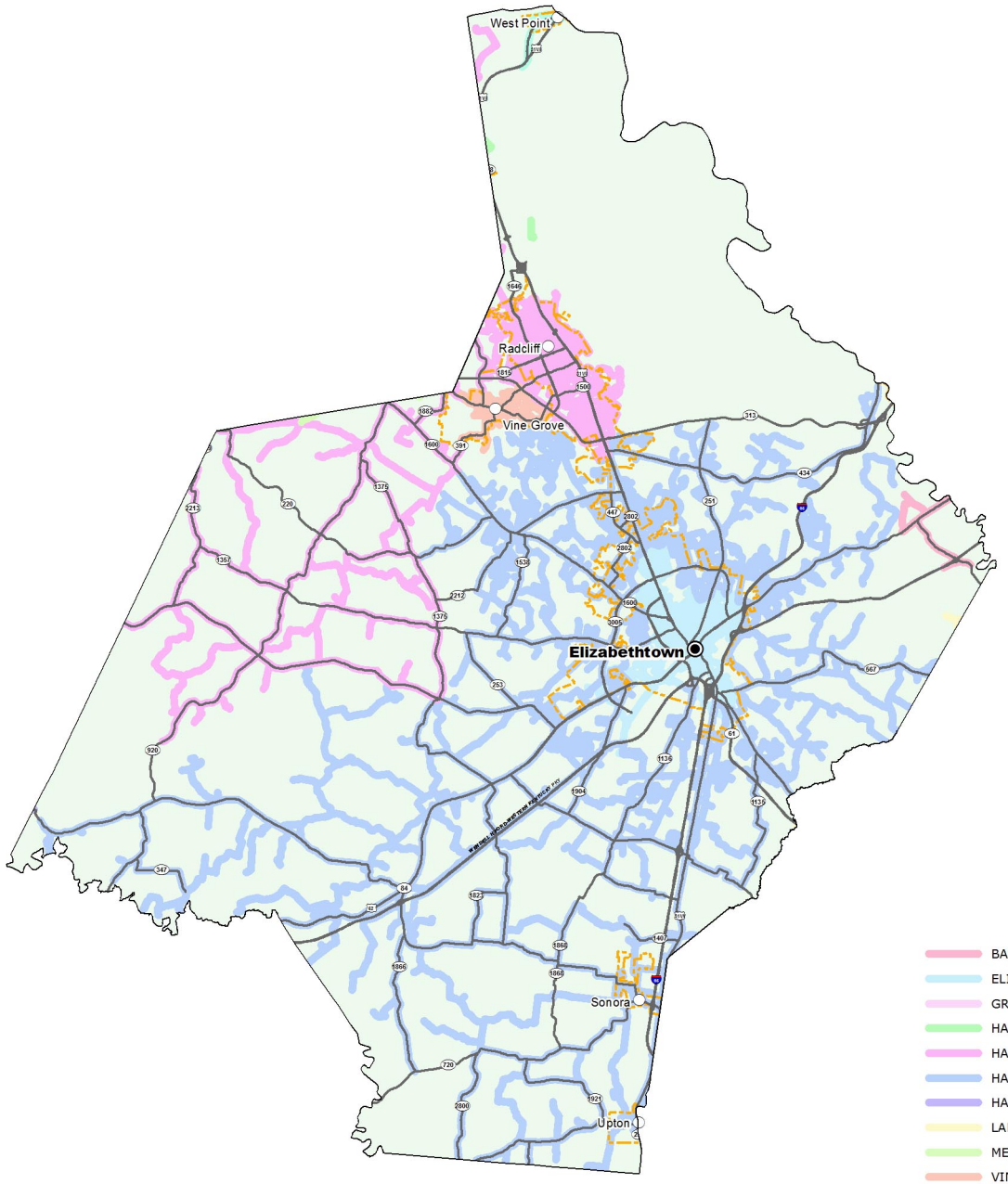
Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
HARDIN 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

- 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)	46.414
Wholesale Customers	2	Estimated Pct. Water Loss	0%

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, 3 plants with total capacity of 14.400 MGD.
System Type	Community	Surface Source	Yes, 4 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 6 sources.
Employees	49	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	16,144	Total Produced (MG)	2,132.665
Commercial Customers	982	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,579.218
Industrial Customers	8	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 990.92 miles (Distribution: 990.21 miles, Transmission: 0.71 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
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	$333,045	Hart	9	1
WX21093009	HCWD #2 New Elevated Tank	3-5 Years	Not Funded	$2,500,000	Hardin	17	2
WX21093018	HCWD No. 2, 2020 Project Phase VI	3-5 Years	Not Funded	$4,800,000	Hardin	32	4
WX21093034	HCWD#2 Cecilia Pump Station Emergency Power	3-5 Years	Not Funded	$500,000	Hardin	35	5
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	$926,000	Bullitt	35	6
WX21093033	HCWD #2 Interconnection With Louisville Water	0-2 Years	Partially Funded	$15,000,000	Hardin		
WX21029288	Preston Hwy from Collings Hill Rd to Rolling Fork Transmission M	3-5 Years	Not Funded	$6,781,000	Bullitt		
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin		
WX21029289	Salt River Booster Pump Station	3-5 Years	Not Funded	$1,300,000	Bullitt		
WX21029287	Preston Hwy from Chapeze Rd to Beech Grove Rd Transmission Main	3-5 Years	Not Funded	$1,062,000	Bullitt		
WX21093025	Ft. Knox/Radcliff/Elizabethtown Interconnect Phase I	0-2 Years	Partially Funded	$1,000,000	Hardin		
WX21029283	Beech Grove Booster Pump Station	3-5 Years	Not Funded	$800,000	Bullitt		
WX21029285	Cedar Grove Transmission Main	3-5 Years	Not Funded	$228,000	Bullitt		
WX21029284	Cedar Grove Booster Pump Station Improvements	3-5 Years	Not Funded	$200,000	Bullitt		

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	41	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$22.74 per 4,000 gallons.	Wholesale Provider	Yes, to 4 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	9,074	Total Produced (MG)	1,002.614
Commercial Customers	713	Total Purchased (MG)	19.290
Institutional Customers	-	Total Inside Usage (MG)	597.885
Industrial Customers	-	Total Wholesale Sold (MG)	366.553
Wholesale Customers	4	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 262.55 miles (Distribution: 259.47 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
WX21093044	Hardin Co. Water District No. 1 Hwy 313 & 1882 Transmission Main	0-2 Years	Not Funded	$1,570,000	Hardin	1	3
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	$4,000,000	Hardin	10	1
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		
WX21093026	HCWD#1 Automated Meter Reading Conversion	0-2 Years	Not Funded	$1,500,000	Hardin		
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	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		
WX21093027	Hardin County Water District #1, Vulnerability and Protection Measures	0-2 Years	Not Funded	$120,000	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	1,765
Residential Customers	1,715	Total Produced (MG)	-
Commercial Customers	50	Total Purchased (MG)	147.172
Institutional Customers	-	Total Inside Usage (MG)	108.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	26%

Total Distribution System Line Length = 38.99 miles (Distribution: 38.96 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
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	$4,000,000	Hardin	10	1
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	Hardin		

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	Yes, 2 sources.
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)	28.087
Commercial Customers	40	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	21.953
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 8.60 miles (Distribution: 8.51 miles, Transmission: 0.08 miles).			

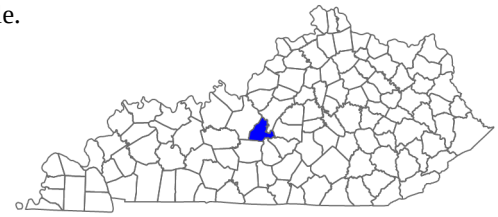
MG = Million Gallons.
MGD = Million Gallons per Day.

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		

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 405.06 miles of existing water lines.
- 4.00 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: $9,446,000.
- 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 30 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 4,252 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	5	$2,377,000	1	202	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	$1,635,000	25	4,050	-	-	-
Totals:	**12**	**$9,446,000**	**30**	**4,252**	**4.00**	**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
February 19, 2016

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

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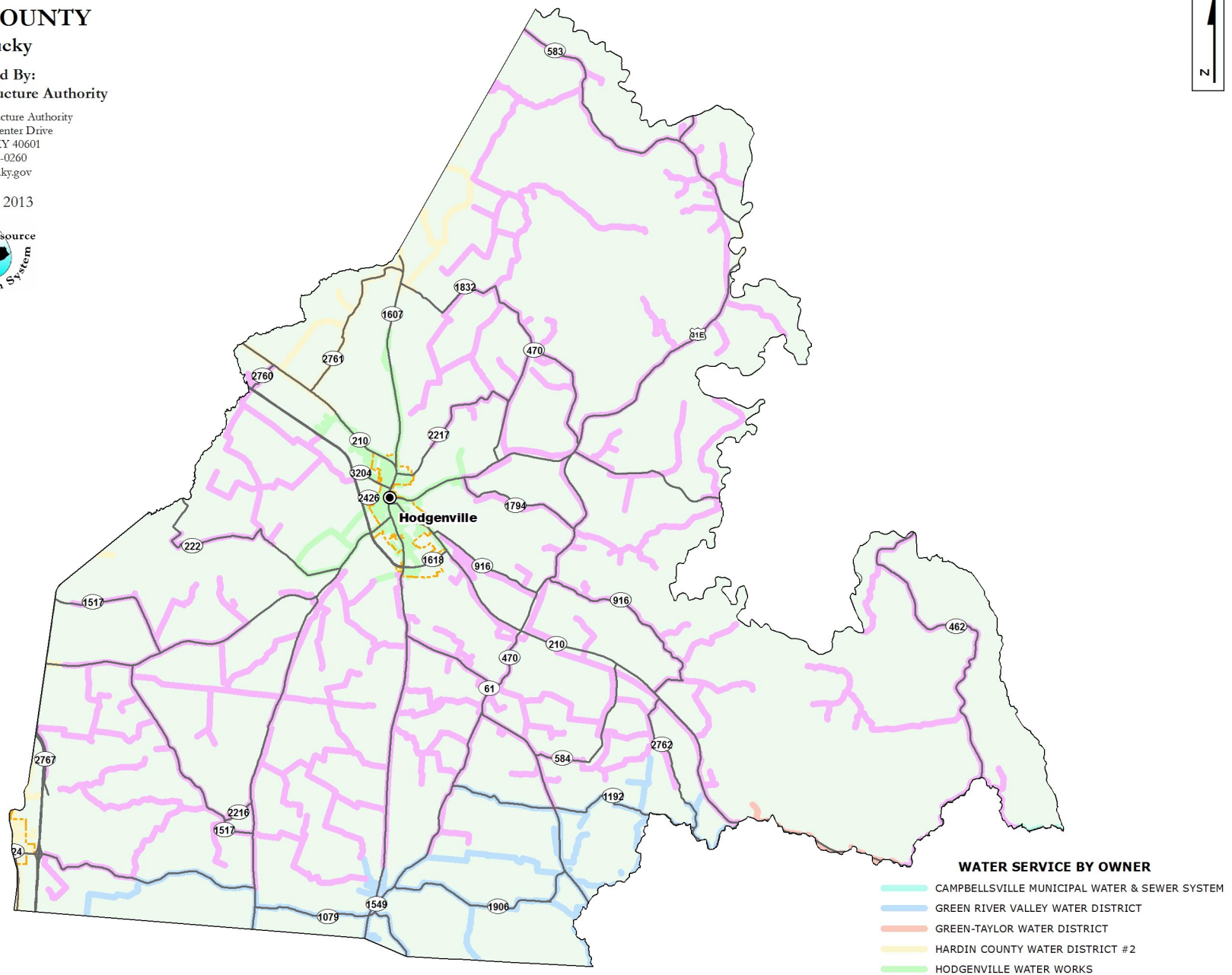

Larue County (continued)

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	1,601	Total Produced (MG)	214.120
Commercial Customers	192	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	148.083
Industrial Customers	-	Total Wholesale Sold (MG)	44.680
Wholesale Customers	1	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 45.43 miles (Distribution: 43.01 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
WX21123021	Hodgenville Shepherdsville Road Line Extension Project	3-5 Years	Not Funded	$250,000	Larue	23	3
WX21123020	Hodgenville Smith Plaza Tower Replacement/Upgrade	3-5 Years	Not Funded	$300,000	Larue	30	2
WX21123017	Hodgenville Phase 1a Water System Improvements	3-5 Years	Not Funded	$962,000	Larue		
WX21123008	Lincoln Blvd. South Replacement	0-2 Years	Not 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 7 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	3,390	Total Produced (MG)	-
Commercial Customers	46	Total Purchased (MG)	192.972
Institutional Customers	-	Total Inside Usage (MG)	170.906
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 356.61 miles (Distribution: 355.29 miles, Transmission: 1.32 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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	$8,000,000	Hart	12	2
WX21123025	Larue Co. W.D. - Hwy 84 Pump Station	3-5 Years	Not Funded	$250,000	Larue	13	1
WX21123024	Larue Co. Water District #1 GIS Technology	0-2 Years	Not Funded	$85,000	Larue	27	4
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		
WX21123026	Larue Co. W.D. - Meter Tap Upgrade	0-2 Years	Not Funded	$50,000	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 506.00 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.
- 5.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,072,860.
- 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 3 serviceable households will be added through the construction of 5.00 miles of water line extensions and approximately 6,320 instances of improved service through the rehabilitation of 3.00 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
Marion County Water District	6	$4,163,260	3	6,320	5.00	3.00	-
Springfield Water and Sewer Commission	1	$1,000,000	-	-	-	-	3.00
Totals:	**8**	**$6,363,260**	**3**	**6,320**	**5.00**	**3.00**	**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	6,115	2,840
KY0780268	Marion County Water District	Marion	13,278	5,175
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	176	75
		Totals:	19,569	8,090

Kentucky Infrastructure Authority
February 19, 2016

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

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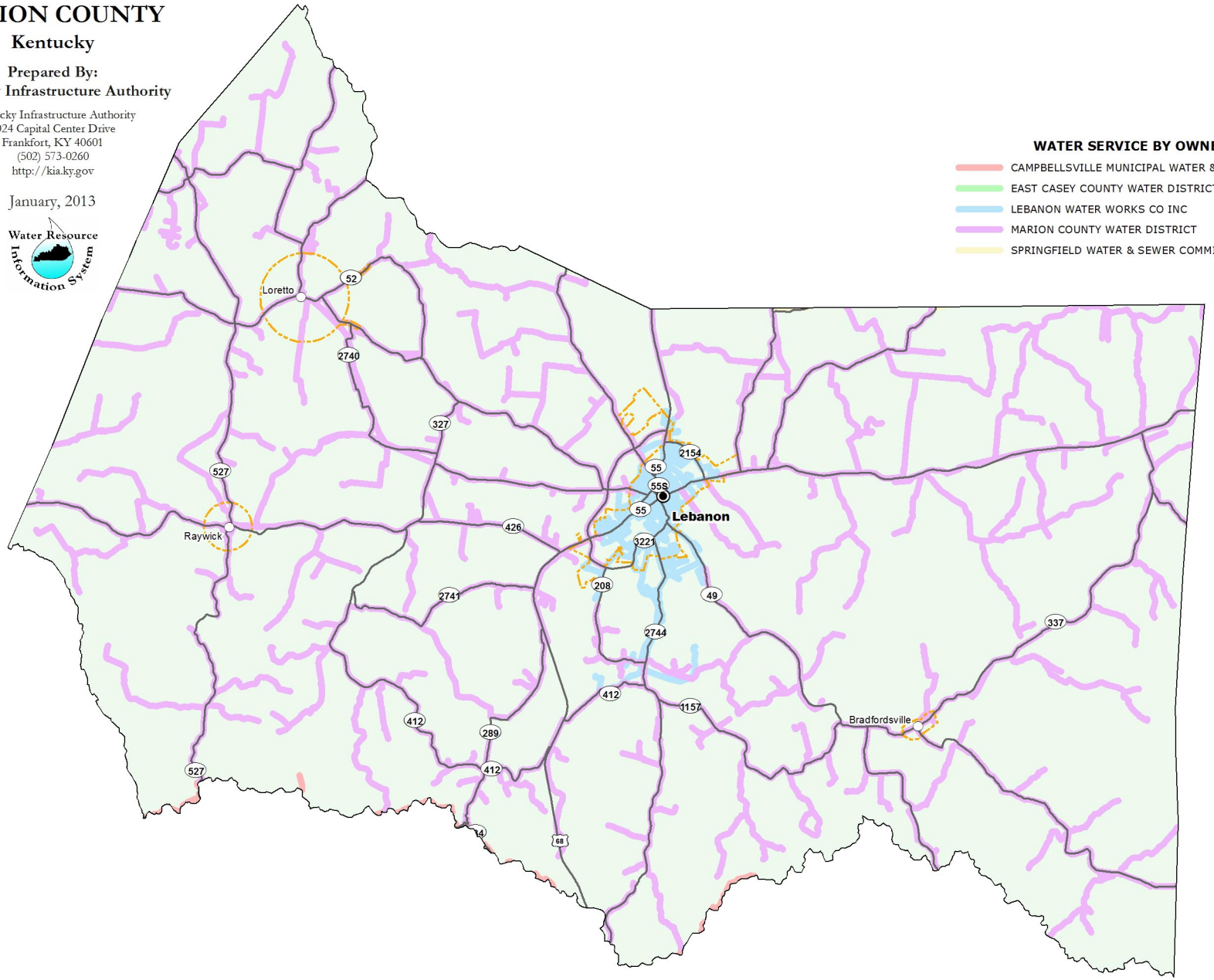
Water Resource Information System



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	2,504	Total Produced (MG)	849.576
Commercial Customers	35	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	344.401
Industrial Customers	39	Total Wholesale Sold (MG)	441.882
Wholesale Customers	1	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 66.62 miles (Distribution: 56.42 miles, Transmission: 10.19 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
WX21217025	2017 Water System Improvements	3-5 Years	Not Funded	$2,735,000	Taylor	1	1
WX21155023	Lebanon Water Works Co. Calvary Rd Waterline Replacement	3-5 Years	Not Funded	$1,200,000	Marion	16	3

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	5,658
Residential Customers	5,651	Total Produced (MG)	-
Commercial Customers	168	Total Purchased (MG)	445.798
Institutional Customers	5	Total Inside Usage (MG)	383.761
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 477.10 miles (Distribution: 459.36 miles, Transmission: 17.74 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
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	$1,000,000	Washington	3	2
WX21155034	Marion Co. Water District Tank Improvements Phase II	6-10 Years	Not Funded	$290,400	Marion	5	1
WX21155036	Marion County Water District Lebanon Bypass Elevated Tank	3-5 Years	Not Funded	$2,055,000	Marion	8	2
WX21155035	Marion County Water District Telemetry Project	0-2 Years	Not Funded	$265,200	Marion	19	4
WX21155022	Marion County Water District McElroy Phase 2 Water System Extens	3-5 Years	Not Funded	$660,000	Marion	33	5
WX21155033	Marion Co. Water District Tank Improvements Phase I	3-5 Years	Not Funded	$622,760	Marion		
WX21155037	Marion County Water District Highway 49N Phase II	3-5 Years	Not Funded	$350,000	Marion		
WX21155032	Marion Co. Water District McElroy Phase 3	3-5 Years	Not Funded	$269,900	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 412.35 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 9,948 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	-	1,427	-	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**	**9,948**	**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	3,318	1,420
KY0820369	Meade County Water District	Meade	15,899	6,177
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

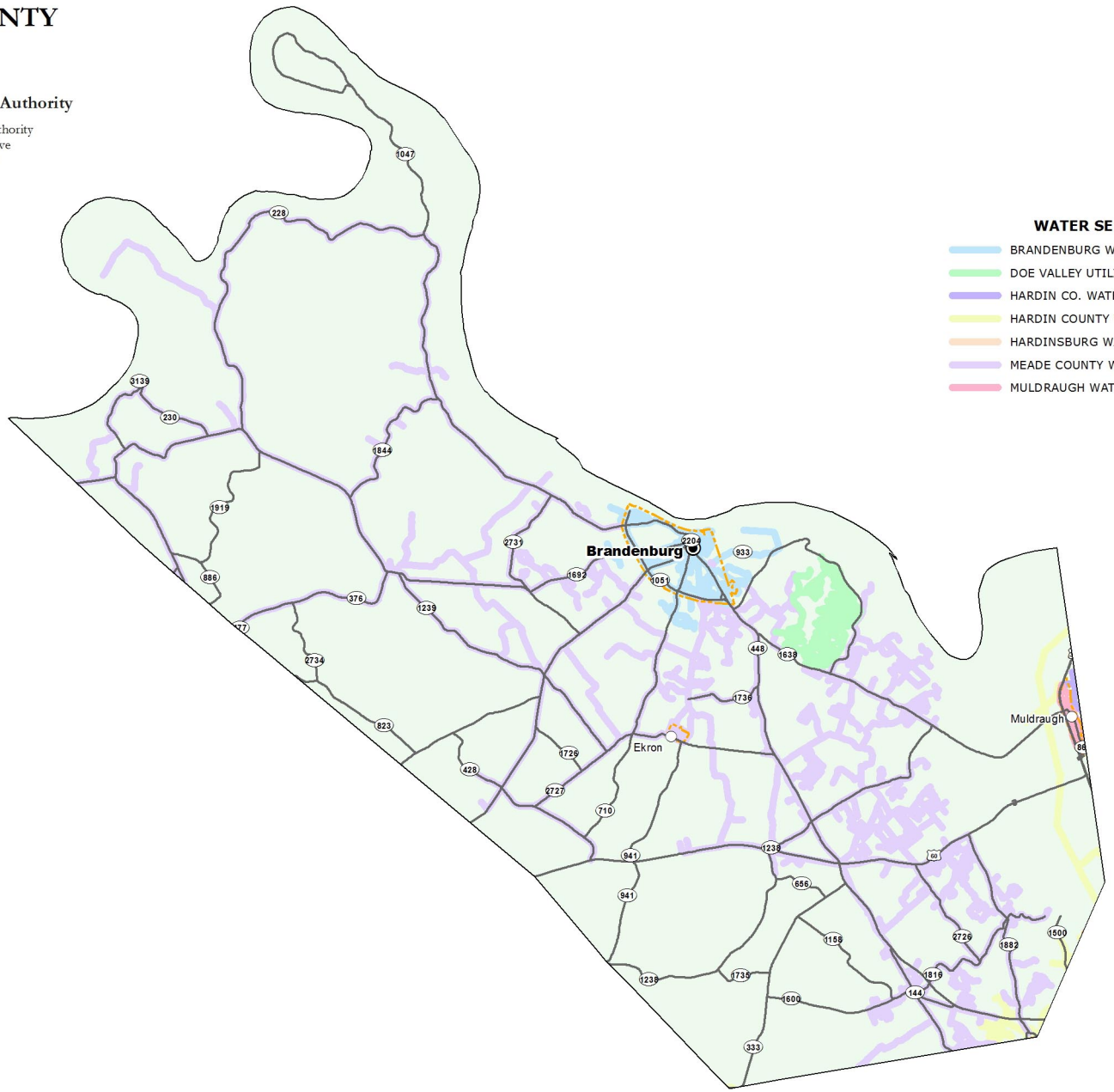
Kentucky Infrastructure Authority
February 19, 2016

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

January, 2013



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)	126.188
Wholesale Customers	1	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 41.94 miles (Distribution: 40.18 miles, Transmission: 1.76 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		

Meade County (continued)

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	$31.70 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	4,339	Total Produced (MG)	-
Commercial Customers	235	Total Purchased (MG)	345.569
Institutional Customers	2	Total Inside Usage (MG)	236.769
Industrial Customers	-	Total Wholesale Sold (MG)	54.800
Wholesale Customers	1	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 295.14 miles (Distribution: 294.30 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
WX21093044	Hardin Co. Water District No. 1 Hwy 313 & 1882 Transmission Main	0-2 Years	Not Funded	$1,570,000	Hardin	1	3
WX21163016	Phase VIII Water System Improvements/ Meade Co. Water District	3-5 Years	Not Funded	$2,000,000	Meade	2	2
WX21163022	Flaherty Water Transmission Main	0-2 Years	Not Funded	$1,999,175	Meade	14	3
WX21163002	MeCWD - KY 1638 Transmission Main	0-2 Years	Not Funded	$1,852,783	Meade		
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	$1,430,000	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	331	Total Produced (MG)	-
Commercial Customers	49	Total Purchased (MG)	27.124
Institutional Customers	-	Total Inside Usage (MG)	24.564
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

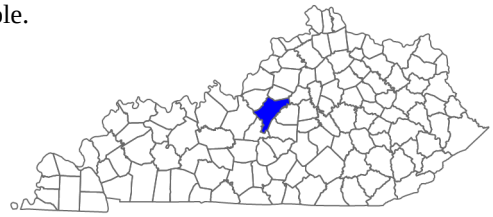
Total Distribution System Line Length = 7.07 miles (Distribution: 7.07 miles, Transmission: 0.00 miles).

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 683.15 miles of existing water lines.
- 14.00 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: $8,530,600.
- 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 14.00 miles of water line extensions and approximately 1,010 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	5	$3,342,500	31	60	4.00	1.00	-
City of New Haven	7	$1,239,500	-	736	-	2.00	-
Larue County Water District #1	1	$450,000	3	-	-	-	-
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:	**19**	**$8,530,600**	**41**	**1,010**	**14.00**	**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	24,995	10,563
KY0900031	Bloomfield Water & Sewer Department	Nelson	4,372	1,871
KY0900312	New Haven Municipal Water Works	Nelson	1,357	581
KY0900323	North Nelson Water District	Nelson	8,892	3,521
KY0150242	Lebanon Junction Water Works	Bullitt	22	11
KY0620237	Larue County Water District #1	Larue	1,667	673
KY0780268	Marion County Water District	Marion	1,397	589
KY1080425	Taylorsville Water Works	Spencer	45	20
		Totals:	42,747	17,829

Kentucky Infrastructure Authority
February 19, 2016

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

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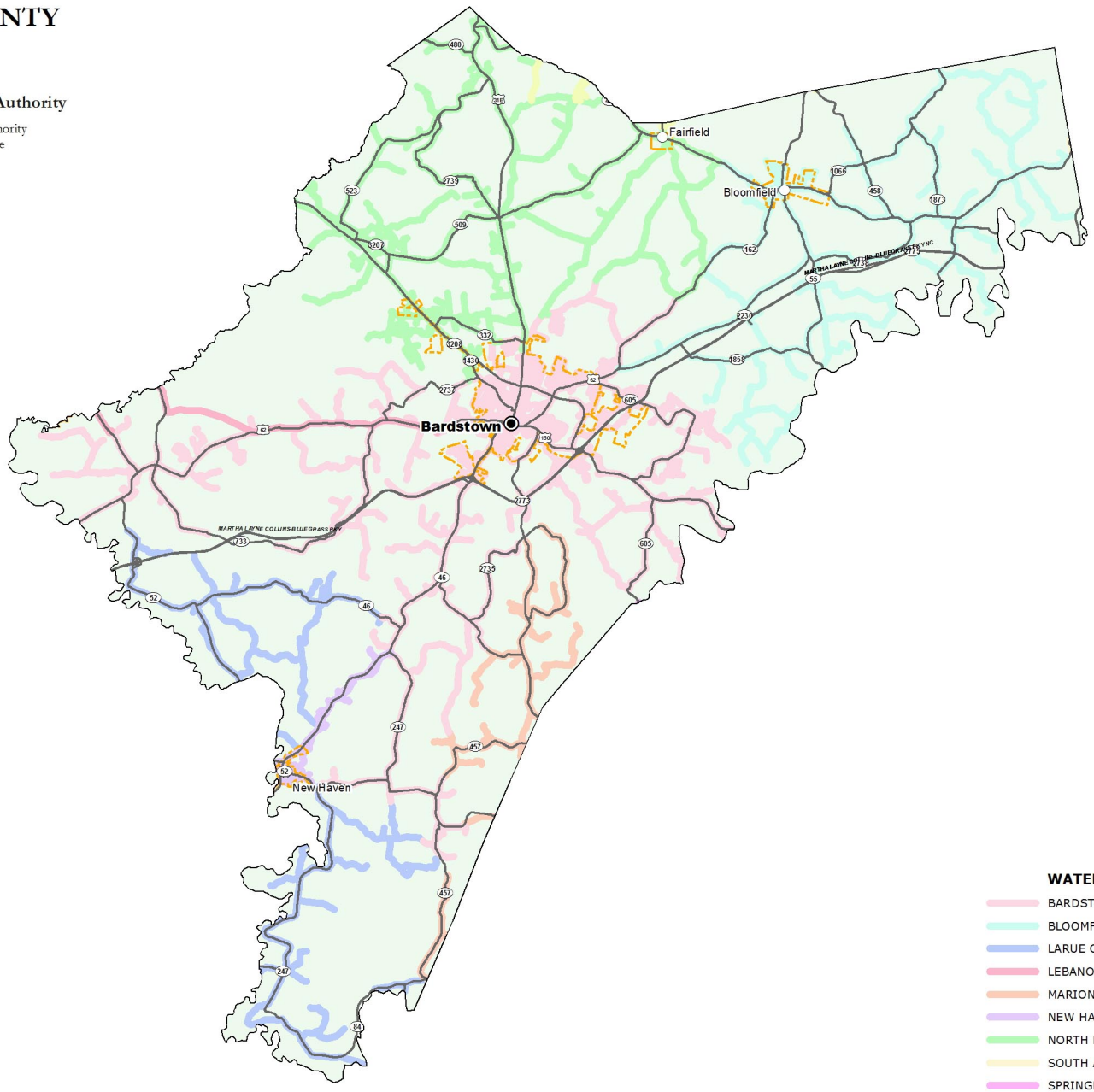
Water Resource Information System



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)	345.060
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)	156.397
Institutional Customers	-	Total Inside Usage (MG)	129.810
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

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	12	1
WX21179015	Bloomfield Water Line Extensions and Telemetry	3-5 Years	Not Funded	$675,000	Nelson	29	3
WX21179016	City of Bloomfield Water Storage Tank	3-5 Years	Not Funded	$1,250,000	Nelson		
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	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$31.17 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.68 per 4,000 gallons.	Total Connections	690
Residential Customers	571	Total Produced (MG)	-
Commercial Customers	52	Total Purchased (MG)	47.861
Institutional Customers	-	Total Inside Usage (MG)	32.906
Industrial Customers	-	Total Wholesale Sold (MG)	12.335
Wholesale Customers	1	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 15.09 miles (Distribution: 14.42 miles, Transmission: 0.66 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	21	2
WX21179026	City of New Haven - East Center St. Waterline & Hydrant Replacement	3-5 Years	Not Funded	$247,000	Nelson		
WX21179025	City of New Haven - Main St. & Ridgeview Dr. Replacement	3-5 Years	Not Funded	$226,000	Nelson		
WX21179023	City of New Haven - Center & Mill St. Waterline Replacement	3-5 Years	Not Funded	$200,000	Nelson		
WX21179028	City of New Haven Hydrant & Gate Valve Replacement	0-2 Years	Not Funded	$156,000	Nelson		
WX21179027	City of New Haven - New SCADA (Telemtry System)	3-5 Years	Not Funded	$90,500	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	4,303
Residential Customers	4,244	Total Produced (MG)	-
Commercial Customers	70	Total Purchased (MG)	297.050
Institutional Customers	-	Total Inside Usage (MG)	272.100
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 213.36 miles (Distribution: 213.27 miles, Transmission: 0.09 miles).

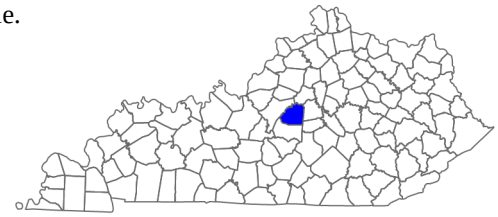
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21179010	North Nelson Hwy 245 Replacement	3-5 Years	Not Funded	$450,500	Nelson	24	4
WX21179009	North Nelson KY 48 / Murrays Run & Samuels Upgrade	0-2 Years	Not Funded	$398,100	Nelson	37	5
WX21215080	Max Rouse Road	3-5 Years	Not Funded	$196,416	Spencer		
WX21215079	Louisville Road- Highway 31 East	3-5 Years	Not Funded	$168,960	Spencer		

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 433.13 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: $5,290,000.
- 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 4,845 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	1	$1,500,000	-	-	-	-	-
Springfield Water and Sewer Commission	5	$3,790,000	8	4,845	2.00	12.00	1.00
Totals:	**6**	**$5,290,000**	**8**	**4,845**	**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
February 19, 2016

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

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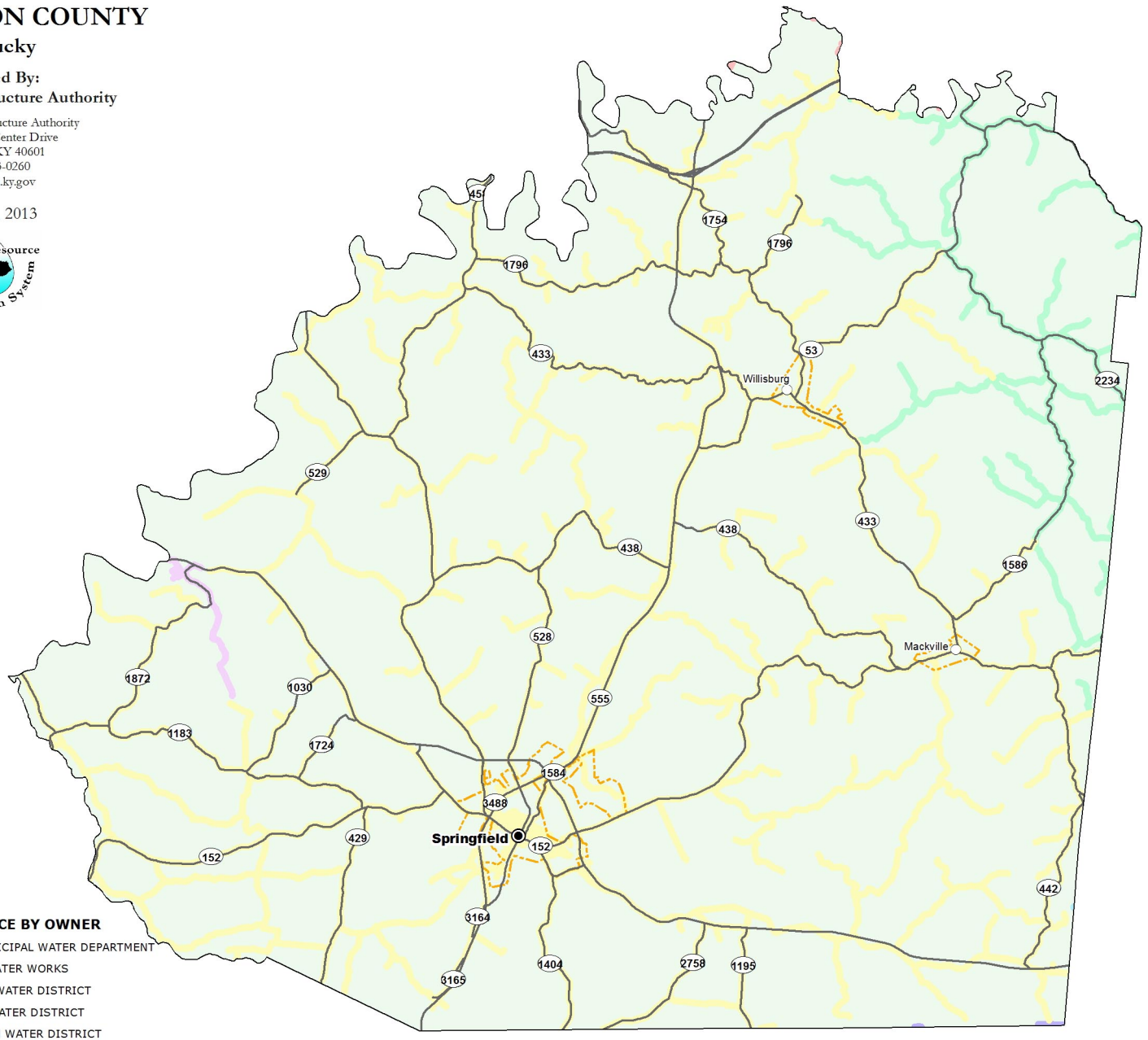
Water Resource Information System



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)	433.000
Commercial Customers	257	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	394.289
Industrial Customers	14	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	9%

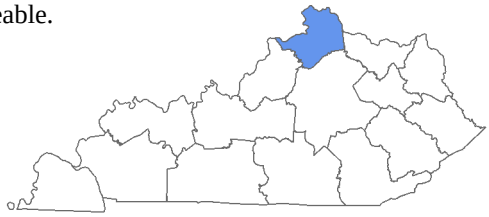
Total Distribution System Line Length = 376.94 miles (Distribution: 364.56 miles, Transmission: 12.38 miles).

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
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	$1,000,000	Washington	3	2
WX21229010	Springfield - Willisburg Lake Improvements	3-5 Years	Not Funded	$1,500,000	Washington	20	3
WX21229005	City of Springfield Waterline Replacement/Upgrade	3-5 Years	Not Funded	$1,000,000	Washington	31	4
WX21229006	Springfield New Raw Water Pump	3-5 Years	Not Funded	$750,000	Washington	38	5
WX21229011	US 150 Bypass Water Main Extension	0-2 Years	Not Funded	$940,000	Washington		
WX21229009	Springfield Danville Interconnect	0-2 Years	Not Funded	$250,000	Washington		
WX21229008	Springfield Water Supply Study	0-2 Years	Not Funded	$100,000	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).
- 3,568.20 miles of existing water lines.
- 437.00 miles of line extensions proposed in the next 10 years.
- 52.00 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: $204,251,725.
- Estimated funding needs for projects from 6 to 10 years: $40,140,592.
- Average age of structures: water treatment plants is 39 years; water tanks is 10 years.
- Total number of interconnected systems is 24.
- 45 miles of asbestos concrete pipe currently in use.
- 692 miles of water lines less than 15 years old.
- 804 miles of water lines between 15 and 30 years old.
- 1,561 miles of water lines between 31 and 50 years old.
- 215 miles of water lines between 51 and 70 years old.
- 265 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 3,025 serviceable households will be added through the construction of 437.00 miles of water line extensions and approximately 294,371 instances of improved service through the rehabilitation of 52.00 miles of existing water lines and other appurtenances. 3.00 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%	$ 36,337,457
Campbell	90,336	39,523	91,642	37,713	38,588	98%	$ 53,396,668
Carroll	10,811	4,696	11,440	4,408	4,619	98%	$ 4,359,376
Gallatin	8,589	3,786	9,264	3,592	3,711	98%	$ 661,500
Grant	24,662	9,942	26,917	9,870	9,798	99%	$ 62,365,063
Kenton	159,720	68,975	168,458	68,111	67,766	98%	$ 48,523,240
Owen	10,841	5,634	11,336	4,713	4,849	86%	$ 13,893,318
Pendleton	14,877	6,339	15,387	5,987	5,810	92%	$ 24,855,695
Totals	**438,647**	**185,049**	**488,377**	**194,345**	**179,477**	**97%**	**$ 244,392,317**

Kentucky Infrastructure Authority
February 19, 2016

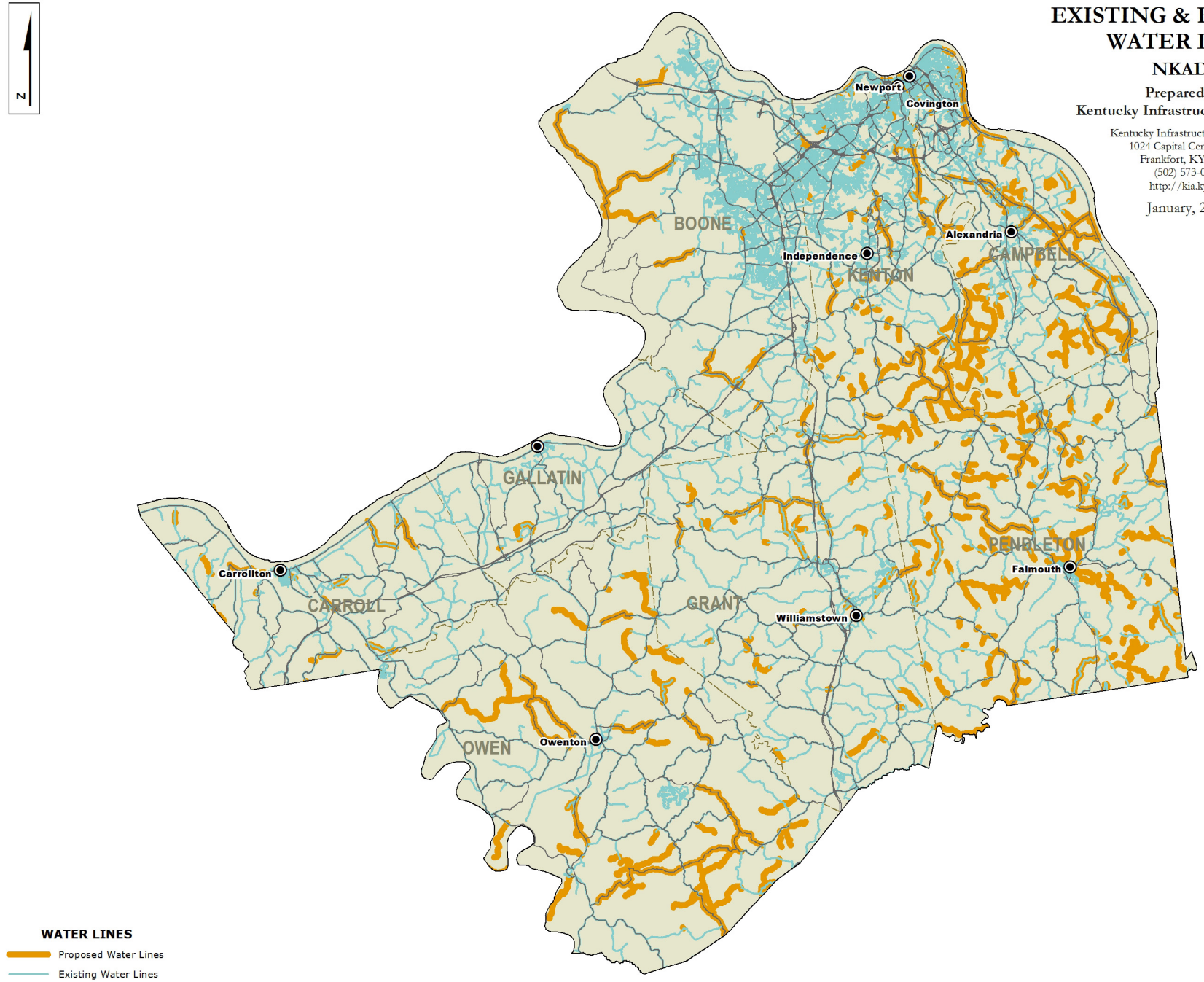
EXISTING & PROPOSED WATER LINES

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	30,736	13,441
KY0080442	Walton Waterworks Department	Boone	3,902	1,556
KY0210066	Carroll County Water District #1	Carroll	5,930	2,863
KY0210067	Carrollton Utilities	Carroll	4,695	1,999
KY0210008	West Carroll Water District - Carrollton	Carroll	2,375	1,047
KY0210637	West Carroll Water District - Milton	Carroll	95	50
KY0390130	Gallatin County Water District	Gallatin	5,292	2,228
KY0390444	Warsaw Water Works	Gallatin	1,988	948
KY0410047	Bullock Pen Water District	Grant	19,247	7,409
KY0410662	Corinth Water District	Grant	2,964	1,310
KY0410107	Dry Ridge Water Works Commission	Grant	2,042	813
KY0410472	Williamstown Municipal Water Department	Grant	4,622	1,978
KY0590220	Northern Kentucky Water District	Kenton	242,881	105,597
KY0960051	Butler Water Works	Pendleton	617	284
KY0960112	East Pendleton Water District	Pendleton	5,123	2,178
KY0960126	Falmouth Water Department	Pendleton	2,568	1,179
KY0960348	Pendleton County Water District #1 North	Pendleton	4,844	1,975
KY0960499	Pendleton County Water District #1 South	Pendleton	1,392	569
		Totals:	417,376	175,346

Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21191005	Butler Water and Sewer Rehabilitation Project	0-2 Years	Not Funded	$927,382	Pendleton	1	1
WX21081007	Bullock Pen Improvements Phase 15	0-2 Years	Not Funded	$3,121,000	Grant	2	1
WX21041005	Carroll County Regional Nexus Project	0-2 Years	Not Funded	$3,889,376	Carroll	3	1
WX21037310	NKWD - Campbell County Unserved and Underserved Project 2012 - Subdistrict J	0-2 Years	Not Funded	$5,202,600	Campbell	4	11
WX21015400	Boone County Rural Water Project - Phase II	0-2 Years	Partially Funded	$9,910,000	Boone	5	1
WX21117212	NKWD - Covington Water Main Replacement Project	0-2 Years	Not Funded	$5,000,000	Kenton	6	1
WX21081204	City of Dry Ridge - 2008 Water System Improvements	3-5 Years	Not Funded	$267,000	Grant	7	2
WX21015301	Boone-Florence Water Commission - Northwest Water Storage Tank	0-2 Years	Not Funded	$5,000,000	Boone	8	2
WX21117303	NKWD - Kenton County Unserved Water Project 2013 (Subdistrict O)	0-2 Years	Not Funded	$3,965,808	Kenton	9	2
WX21037311	NKWD - Newport/Bellevue/Dayton Water Main Replacement Project	0-2 Years	Not Funded	$5,000,000	Campbell	10	22
WX21015510	Goodridge Avenue Water Main Relining	0-2 Years	Not Funded	$600,000	Boone	11	3
WX21081005	City of Dry Ridge 200,000 Gallon Elevated Tank	0-2 Years	Not Funded	$785,735	Grant	12	3
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$4,800,000	Kenton	13	3
WX21081006	BPWD Looped Water Lines, Phase 14	0-2 Years	Fully Funded	$869,600	Grant	14	4
			Total Cost:	**$49,338,501**			

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 719.04 miles of existing water lines.
- 26.00 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: $36,337,457.
- 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 26.00 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	5	$9,623,547	265	-	14.00	-	-
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	$5,385,000	-	-	-	-	-
Totals:	**12**	**$36,337,457**	**507**	**11,590**	**26.00**	**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	3,846	1,529
KY0390130	Gallatin County Water District	Gallatin	119	58
KY0410047	Bullock Pen Water District	Grant	3,144	1,158
KY0590220	Northern Kentucky Water District	Kenton	1,457	617
		Totals:	114,404	44,336

Kentucky Infrastructure Authority
February 19, 2016

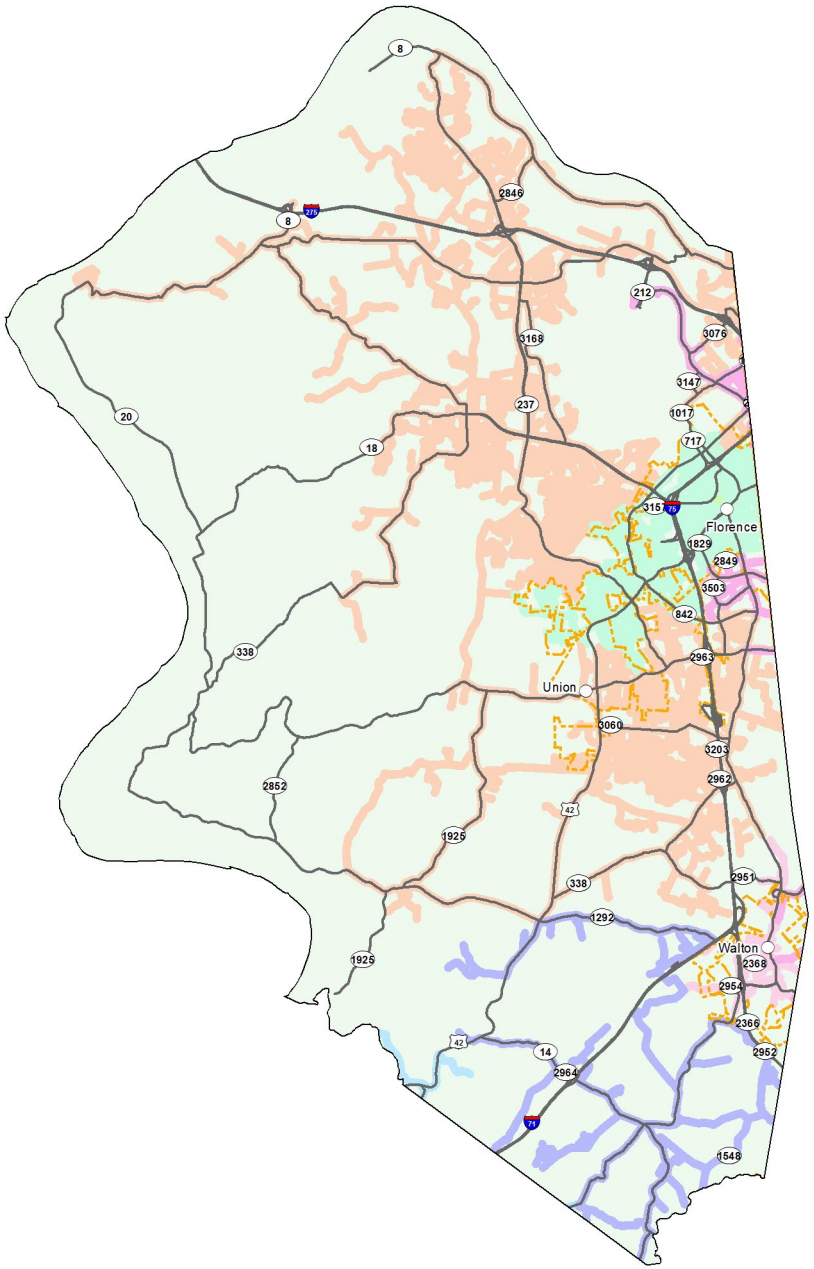
WATER SERVICE AREAS
BOONE COUNTY
Kentucky

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

Boone County (continued)

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	$21.14 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	22,740	Total Produced (MG)	-
Commercial Customers	1,101	Total Purchased (MG)	2,900.000
Institutional Customers	-	Total Inside Usage (MG)	2,313.600
Industrial Customers	16	Total Wholesale Sold (MG)	62.000
Wholesale Customers	1	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 481.58 miles (Distribution: 481.58 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
WX21015400	Boone County Rural Water Project - Phase II	0-2 Years	Partially Funded	$9,910,000	Boone	5	1
WX21015301	Boone-Florence Water Commission - Northwest Water Storage Tank	0-2 Years	Not Funded	$5,000,000	Boone	8	2
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		
WX21015409	BCWD/Boone County Rural Water Project - Phase C (Eastbend, Waterloo,McVille)	3-5 Years	Not Funded	$2,909,500	Boone		
WX21015411	BCWD/Boone County Rural Water Project - Phase E Belleview RdPetersburg)	3-5 Years	Not Funded	$2,226,320	Boone		
WX21015514	BCWD - Williams Rd. to Garrison Creek Rd. Phase A	3-5 Years	Not Funded	$1,296,200	Boone		
WX21015516	BCWD - Arbor Springs to Old Union Rd. Phase B	3-5 Years	Not Funded	$282,027	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)	3,900.000
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	$22.70 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)	897.363
Industrial Customers	27	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 138.47 miles (Distribution: 138.47 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	11	3

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	$28.88 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$33.68 per 4,000 gallons.	Total Connections	1,236
Residential Customers	1,056	Total Produced (MG)	-
Commercial Customers	180	Total Purchased (MG)	160.000
Institutional Customers	-	Total Inside Usage (MG)	115.000
Industrial Customers	-	Total Wholesale Sold (MG)	21.000
Wholesale Customers	1	Estimated Pct. Water Loss	15%

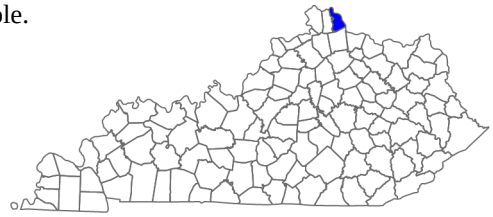
Total Distribution System Line Length = 29.61 miles (Distribution: 29.61 miles, Transmission: 0.00 miles).

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	$4,800,000	Kenton	13	3
WX21037004	Campbell County Water Main Rehabilitation and Treatment Plant Pr	0-2 Years	Partially Funded	$5,644,000	Campbell		
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Not Funded	$5,385,000	Kenton		
WX21037006	Campbell & Kenton County Water Main & Storage Tank Improvements	0-2 Years	Partially Funded	$4,447,190	Campbell		

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 528.73 miles of existing water lines.
- 88.00 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: $32,679,356.
- Estimated funding needs for projects from 6 to 10 years: $20,717,312.

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 30,998 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			
Northern Kentucky Water District	15	$53,396,668	821	30,998	88.00	13.00	-
Totals:	**15**	**$53,396,668**	**821**	**30,998**	**88.00**	**13.00**	**-**

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
February 19, 2016

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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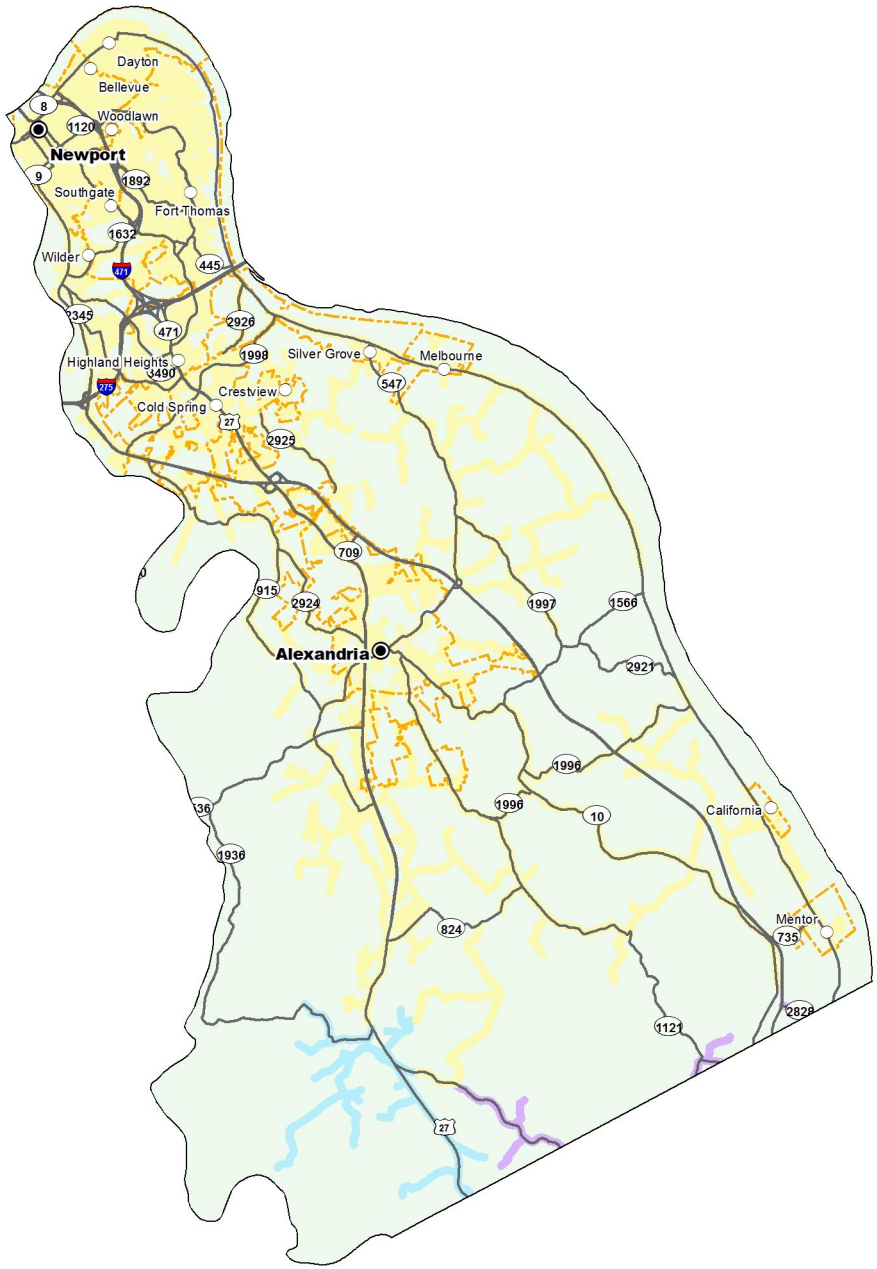
Water Resource Information System



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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 234.04 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: $4,359,376.
- 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 10,630 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			
Carroll County Water District #1	2	$470,000	-	2,400	-	-	-
City of Carrollton	1	$3,889,376	-	8,230	-	1.00	-
Totals:	**3**	**$4,359,376**	-	**10,630**	-	**1.00**	-

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
February 19, 2016

WATER SERVICE AREAS
CARROLL COUNTY
Kentucky

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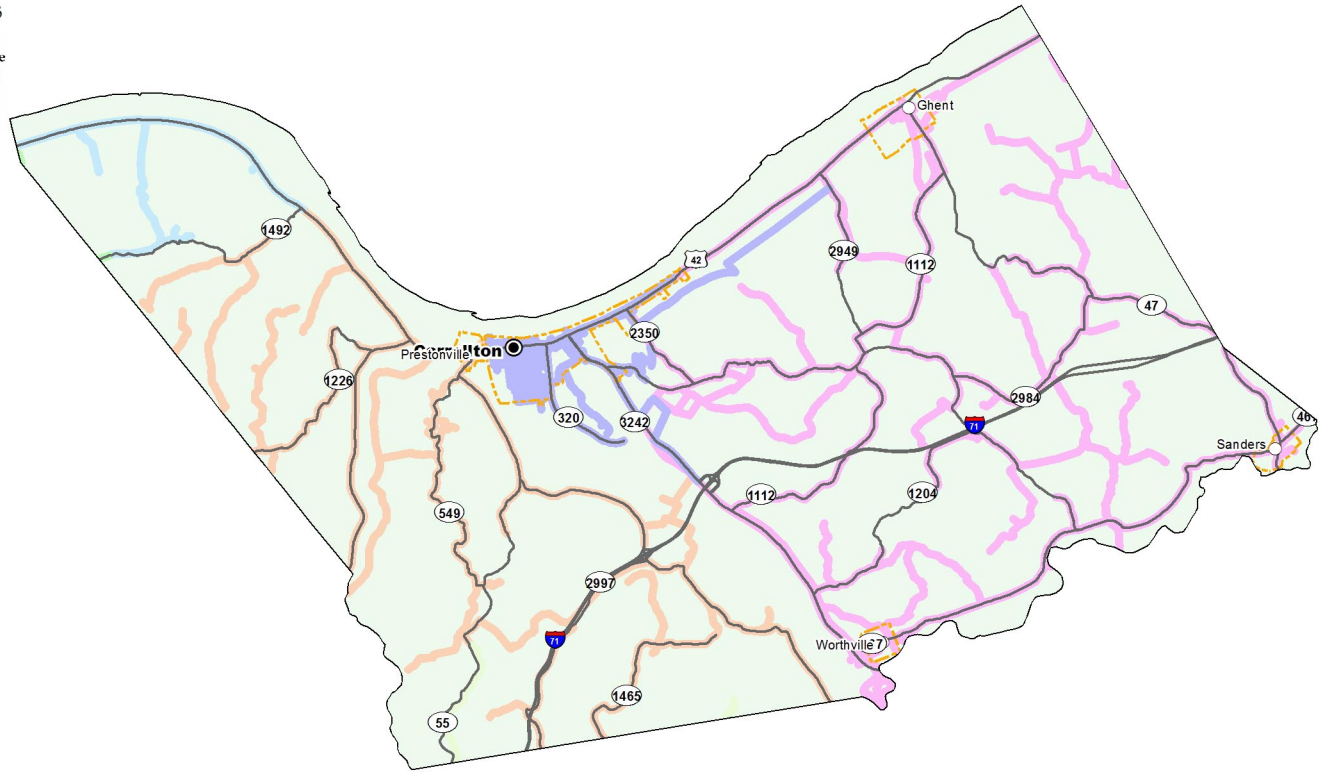


WATER SERVICE BY OWNER

- 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	$27.75 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	2,947
Residential Customers	2,756	Total Produced (MG)	392.000
Commercial Customers	168	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	286.960
Industrial Customers	29	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	27%

Total Distribution System Line Length = 209.35 miles (Distribution: 209.20 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	$3,889,376	Carroll	3	1
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	1,604
Residential Customers	1,346	Total Produced (MG)	273.750
Commercial Customers	220	Total Purchased (MG)	-
Institutional Customers	49	Total Inside Usage (MG)	207.000
Industrial Customers	6	Total Wholesale Sold (MG)	64.813
Wholesale Customers	2	Estimated Pct. Water Loss	1%
Total Distribution System Line Length = 37.78 miles (Distribution: 37.78 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
WX21041005	Carroll County Regional Nexus Project	0-2 Years	Not Funded	$3,889,376	Carroll	3	1

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)	64.813
Institutional Customers	-	Total Inside Usage (MG)	60.600
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%

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
WX21223025	Bucks Run Water Line	6-10 Years	Not Funded	$18,500	Trimble		

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	26	4

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%

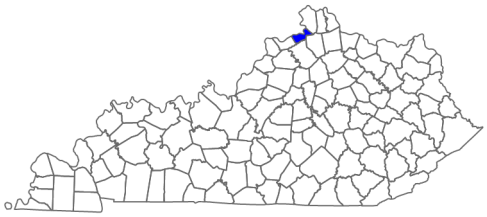
Total Distribution System Line Length = 10.14 miles (Distribution: 10.14 miles, Transmission: 0.00 miles).

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 185.64 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	5,069	2,131
KY0390444	Warsaw Water Works	Gallatin	1,988	948
KY0210066	Carroll County Water District #1	Carroll	900	435
KY0340250	Kentucky-American Water Company	Fayette	309	142
KY0410047	Bullock Pen Water District	Grant	134	55
		Totals:	8,400	3,711

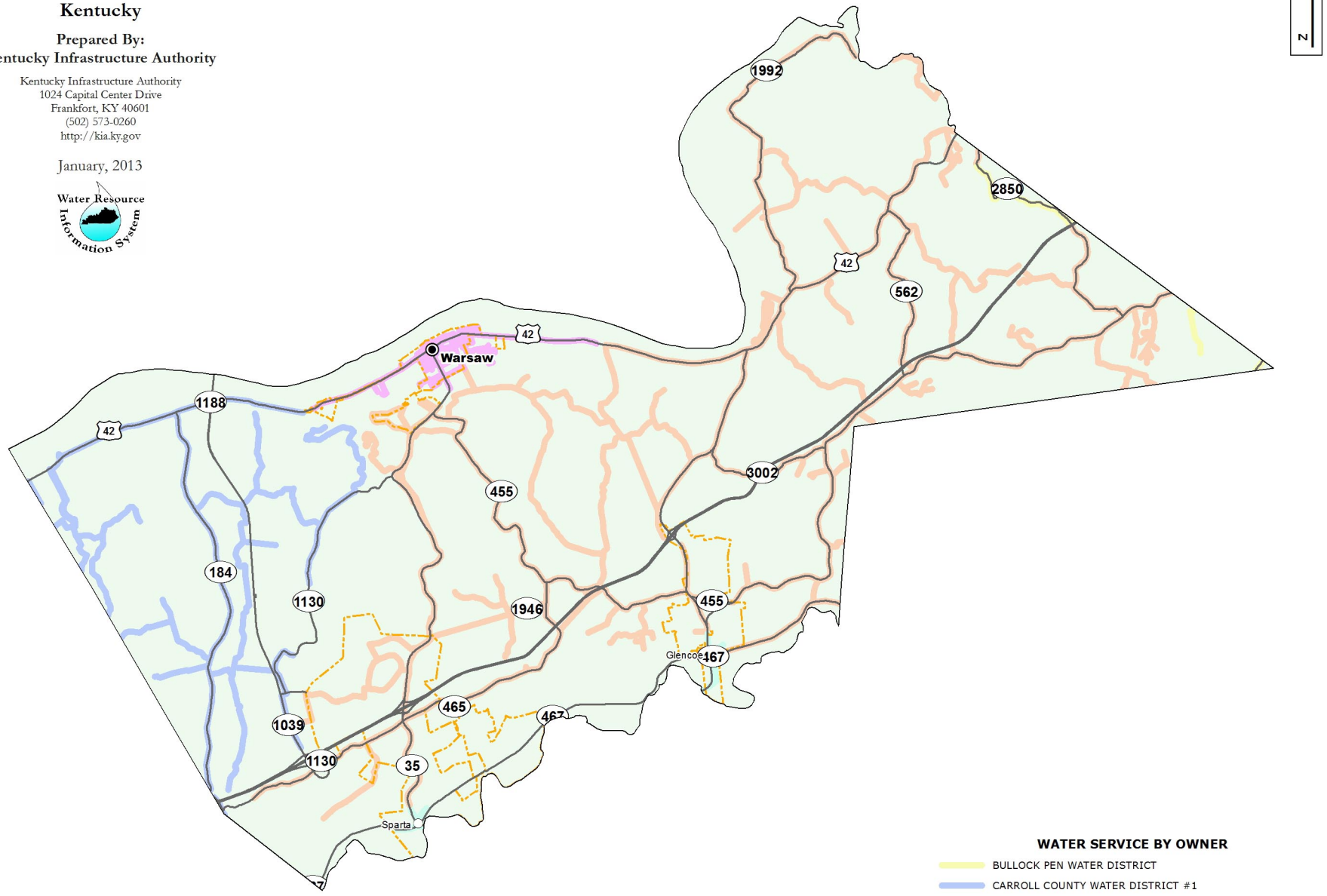
Kentucky Infrastructure Authority
February 19, 2016

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



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	5	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)	163.334
Commercial Customers	33	Total Purchased (MG)	5.500
Institutional Customers	-	Total Inside Usage (MG)	148.543
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 133.74 miles (Distribution: 133.74 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

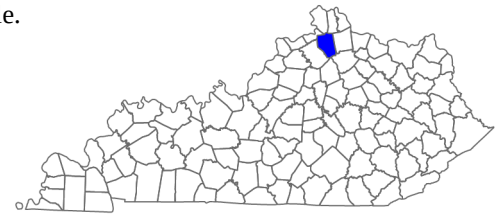
PWSID	KY0390444	Treats Water	Yes, 2 plants with total capacity of 2.880 MGD.
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 4 sources.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$14.00 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)	162.000
Commercial Customers	120	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	140.350
Industrial Customers	1	Total Wholesale Sold (MG)	5.500
Wholesale Customers	1	Estimated Pct. Water Loss	10%
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 426.91 miles of existing water lines.
- 15.00 miles of line extensions proposed in the next 10 years.
- 21.00 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: $61,493,063.
- 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 22 serviceable households will be added through the construction of 15.00 miles of water line extensions and approximately 36,472 instances of improved service through the rehabilitation of 21.00 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			
Bullock Pen Water District	9	$9,968,790	3	27,820	5.00	19.00	1.00
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:	**21**	**$62,365,063**	**22**	**36,472**	**15.00**	**21.00**	**2.00**

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	14,574	5,683
KY0410662	Corinth Water District	Grant	2,820	1,233
KY0410107	Dry Ridge Water Works Commission	Grant	2,042	813
KY0410472	Williamstown Municipal Water Department	Grant	4,604	1,970
KY0340250	Kentucky-American Water Company	Fayette	149	59
KY0390130	Gallatin County Water District	Gallatin	102	38
		Totals:	24,291	9,796

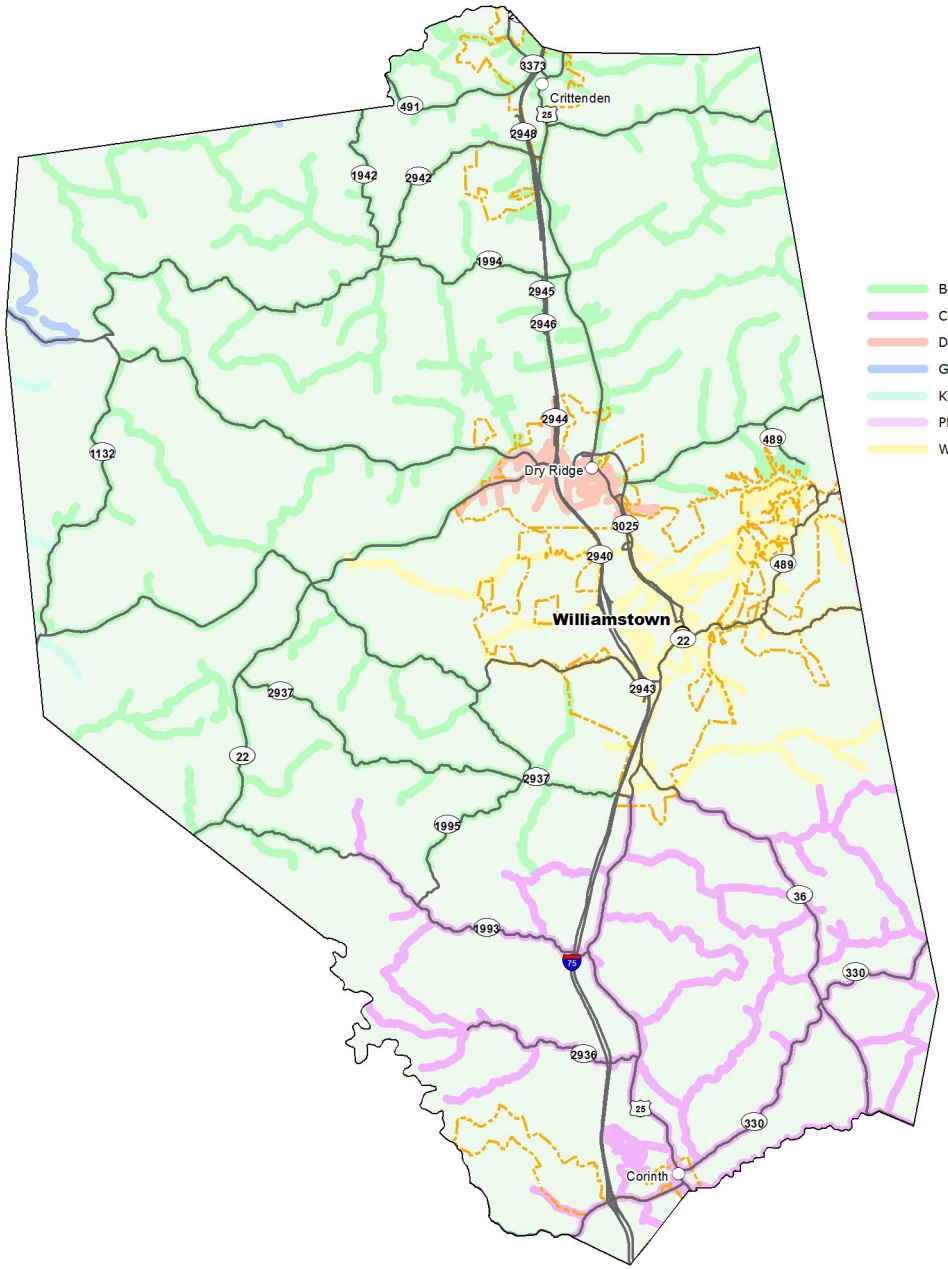
Kentucky Infrastructure Authority
February 19, 2016

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 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	$44.19 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)	165.000
Commercial Customers	428	Total Purchased (MG)	304.000
Institutional Customers	7	Total Inside Usage (MG)	413.282
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 305.79 miles (Distribution: 298.38 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
WX21081007	Bullock Pen Improvements Phase 15	0-2 Years	Not Funded	$3,121,000	Grant	2	1
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$4,800,000	Kenton	13	3
WX21037004	Campbell County Water Main Rehabilitation and Treatment Plant Pr	0-2 Years	Partially Funded	$5,644,000	Campbell		
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Not Funded	$5,385,000	Kenton		
WX21037006	Campbell & Kenton County Water Main & Storage Tank Improvements	0-2 Years	Partially Funded	$4,447,190	Campbell		
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		
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	1,237
Residential Customers	1,115	Total Produced (MG)	-
Commercial Customers	356	Total Purchased (MG)	70.000
Institutional Customers	-	Total Inside Usage (MG)	60.521
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 102.39 miles (Distribution: 102.27 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	$23.10 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	839
Residential Customers	799	Total Produced (MG)	-
Commercial Customers	116	Total Purchased (MG)	84.000
Institutional Customers	-	Total Inside Usage (MG)	73.320
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	13%

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
WX21081204	City of Dry Ridge - 2008 Water System Improvements	3-5 Years	Not Funded	$267,000	Grant	7	2
WX21081005	City of Dry Ridge 200,000 Gallon Elevated Tank	0-2 Years	Not Funded	$785,735	Grant	12	3
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	$24.20 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$40.27 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)	215.000
Wholesale Customers	4	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 72.98 miles (Distribution: 71.77 miles, Transmission: 1.21 miles).

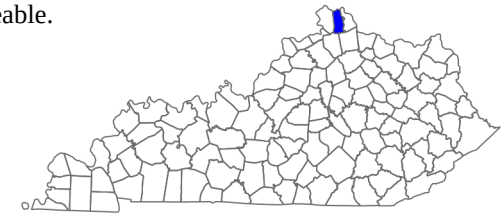
MG = Million Gallons.
MGD = Million Gallons per Day.

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 785.24 miles of existing water lines.
- 67.00 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: $35,190,564.
- Estimated funding needs for projects from 6 to 10 years: $13,332,676.



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 67.00 miles of water line extensions and approximately 199,330 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	$39,817,704	521	199,299	57.00	8.00	1.00
Totals:	**14**	**$48,523,240**	**667**	**199,330**	**67.00**	**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	154,913	66,962
KY0080034	Boone County Water District	Boone	178	69
KY0080135	Florence Water & Sewer Commission	Boone	783	320
KY0080442	Walton Waterworks Department	Boone	56	27
KY0410047	Bullock Pen Water District	Grant	995	386
		Totals:	156,925	67,764

Kentucky Infrastructure Authority
February 19, 2016

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

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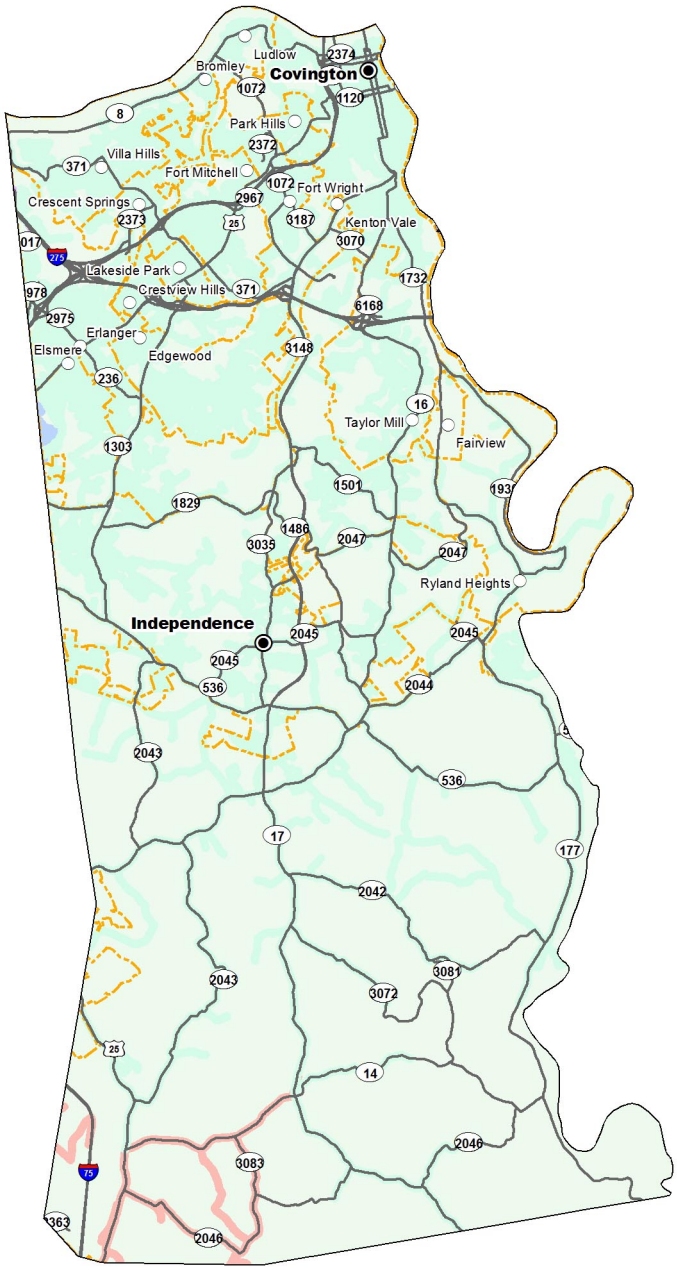

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WATER SERVICE BY OWNER

- 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	$22.74 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)	9,998.000
Commercial Customers	4,165	Total Purchased (MG)	-
Institutional Customers	490	Total Inside Usage (MG)	8,189.918
Industrial Customers	109	Total Wholesale Sold (MG)	417.770
Wholesale Customers	4	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 1,288.79 miles (Distribution: 1,250.22 miles, Transmission: 38.57 miles).			

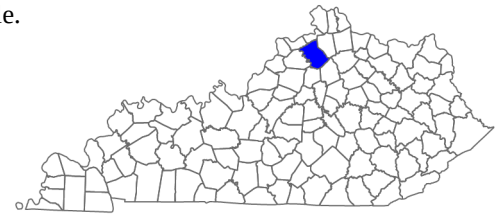
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21037310	NKWD - Campbell County Unserved and Underserved Project 2012 - Subdistrict J	0-2 Years	Not Funded	$5,202,600	Campbell	4	11
WX21117212	NKWD - Covington Water Main Replacement Project	0-2 Years	Not Funded	$5,000,000	Kenton	6	1
WX21117303	NKWD - Kenton County Unserved Water Project 2013 (Subdistrict O)	0-2 Years	Not Funded	$3,965,808	Kenton	9	2
WX21037311	NKWD - Newport/Bellevue/Dayton Water Main Replacement Project	0-2 Years	Not Funded	$5,000,000	Campbell	10	22
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	$4,800,000	Kenton	13	3
WX21037004	Campbell County Water Main Rehabilitation and Treatment Plant Pr	0-2 Years	Partially Funded	$5,644,000	Campbell		
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Not Funded	$5,385,000	Kenton		
WX21117307	NKWD - Subdistrict V Waterline Extension	6-10 Years	Not Funded	$4,669,104	Kenton		
WX21037006	Campbell & Kenton County Water Main & Storage Tank Improvements	0-2 Years	Partially Funded	$4,447,190	Campbell		
WX21117650	NKWD - Subdistrict T Waterline Extension	6-10 Years	Not Funded	$4,060,611	Kenton		
WX21037308	NKWD - Subdistrict U Waterline Extension	6-10 Years	Not Funded	$3,836,448	Campbell		
WX21037305	NKWD - Subdistrict P Waterline Extension	6-10 Years	Not Funded	$3,753,088	Campbell		
WX21037557	NKWD - Subdistrict W Waterline Extension	6-10 Years	Not Funded	$3,696,000	Campbell		
WX21037554	NKWD - Subdistrict S Waterline Extension	6-10 Years	Not Funded	$3,625,360	Campbell		
WX21037555	NKWD - Subdistrict X Waterline Extension	6-10 Years	Not Funded	$3,496,416	Campbell		
WX21117211	NKWD - Kenton County Unserved Water Project 2012 (Subdistrict M)	0-2 Years	Partially Funded	$3,399,336	Kenton		
WX21117301	NKWD - Subdistrict AA Waterline Extension	6-10 Years	Not Funded	$3,024,769	Kenton		
WX21037306	NKWD - Subdistrict N Waterline Extension	3-5 Years	Not Funded	$2,975,280	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 334.68 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	8,129	4,034
KY0370346	Peaks Mill Water District	Franklin	123	67
		Totals:	9,473	4,841

Kentucky Infrastructure Authority
February 19, 2016

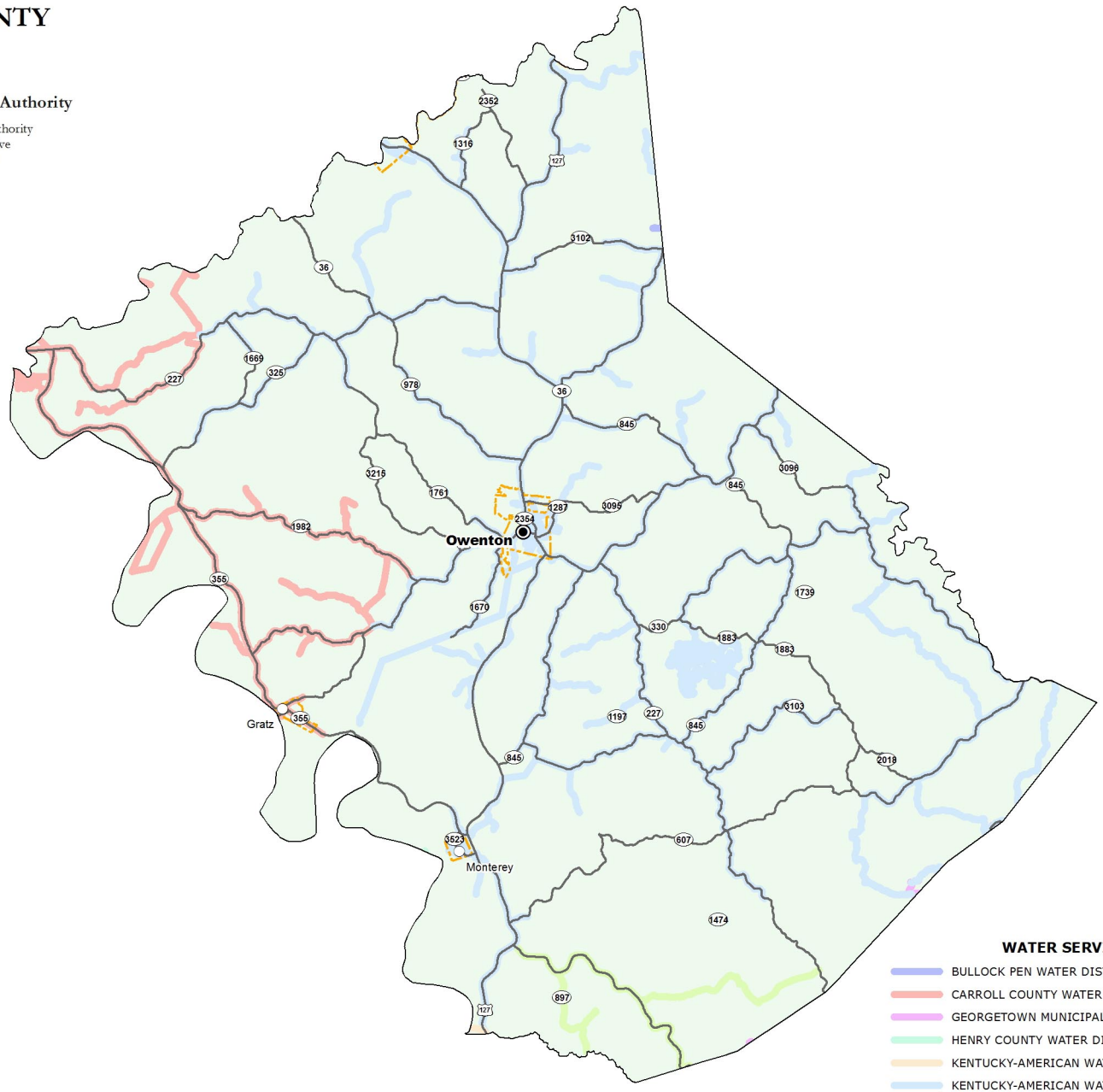
WATER SERVICE AREAS
OWEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

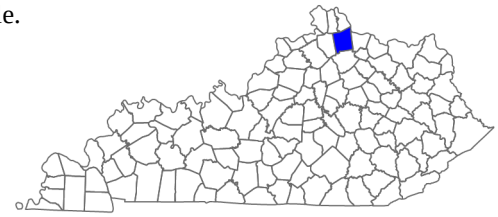
January, 2013

Water Resource Information System



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 353.92 miles of existing water lines.
- 129.00 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: $19,637,091.
- Estimated funding needs for projects from 6 to 10 years: $5,218,604.



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 314 serviceable households will be added through the construction of 129.00 miles of water line extensions and approximately 5,351 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			
Bracken County Water District	1	$549,500	-	14	-	1.00	-
Bullock Pen Water District	1	$3,121,000	15	26	1.00	2.00	-
City of Butler	1	$927,382	-	311	-	1.00	-
City of Falmouth	1	$548,709	-	5,000	-	-	-
Northern Kentucky Water District	1	$4,669,104	2	-	-	-	-
Pendleton County Fiscal Court	1	$15,040,000	297	-	128.00	-	-
Totals:	**6**	**$24,855,695**	**314**	**5,351**	**129.00**	**4.00**	**-**

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	4,848	2,075
KY0960126	Falmouth Water Department	Pendleton	2,568	1,179
KY0960348	Pendleton County Water District #1 North	Pendleton	3,614	1,498
KY0960499	Pendleton County Water District #1 South	Pendleton	1,391	569
KY0120039	Bracken County Water District	Bracken	48	26
KY0410047	Bullock Pen Water District	Grant	398	126
KY0490179	Harrison County Water Association	Harrison	105	33
		Totals:	13,589	5,790

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
PENDLETON 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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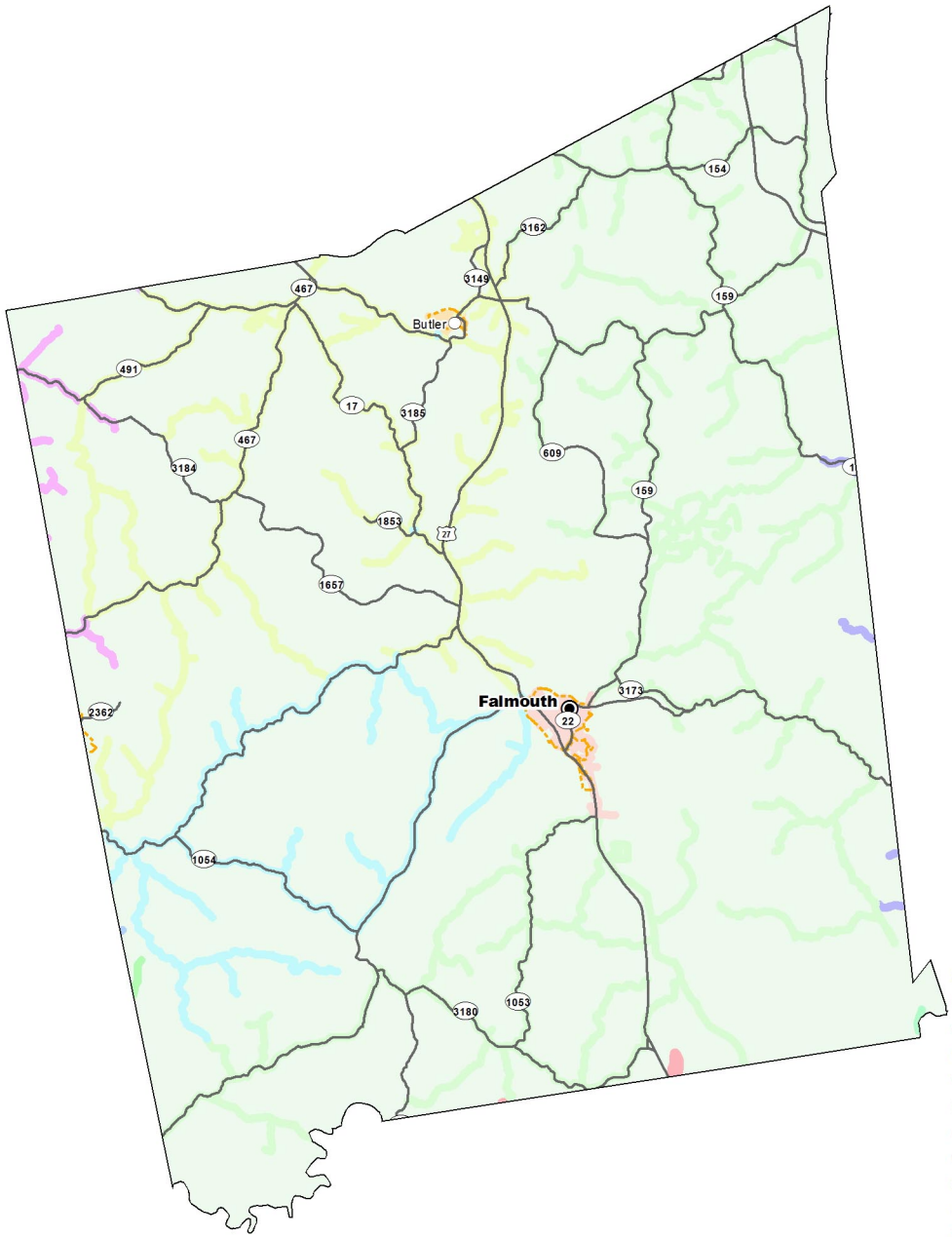

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WATER SERVICE BY OWNER

- 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	1	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$34.14 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$34.14 per 4,000 gallons.	Total Connections	332
Residential Customers	320	Total Produced (MG)	-
Commercial Customers	11	Total Purchased (MG)	24.580
Institutional Customers	-	Total Inside Usage (MG)	26.905
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-9%

Total Distribution System Line Length = 3.82 miles (Distribution: 3.82 miles, Transmission: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21191005	Butler Water and Sewer Rehabilitation Project	0-2 Years	Not Funded	$927,382	Pendleton	1	1

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	$38.40 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)	107.829
Institutional Customers	-	Total Inside Usage (MG)	93.059
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 173.62 miles (Distribution: 171.11 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
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	4	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)	300.000
Commercial Customers	47	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	86.550
Industrial Customers	3	Total Wholesale Sold (MG)	180.073
Wholesale Customers	2	Estimated Pct. Water Loss	11%

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		

Pendleton County (continued)

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	$38.02 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)	170.710
Institutional Customers	-	Total Inside Usage (MG)	135.755
Industrial Customers	8	Total Wholesale Sold (MG)	24.580
Wholesale Customers	1	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 115.02 miles (Distribution: 115.02 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	$4,800,000	Kenton	13	3
WX21191507	Pendleton County - Fy 2008 Water Projects Phase I	0-2 Years	Partially Funded	$15,040,000	Pendleton		
WX21037004	Campbell County Water Main Rehabilitation and Treatment Plant Pr	0-2 Years	Partially Funded	$5,644,000	Campbell		
WX21117003	Campbell and Kenton County Water Main Replacement and SCADA Impr	0-2 Years	Not Funded	$5,385,000	Kenton		
WX21037006	Campbell & Kenton County Water Main & Storage Tank Improvements	0-2 Years	Partially Funded	$4,447,190	Campbell		

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	

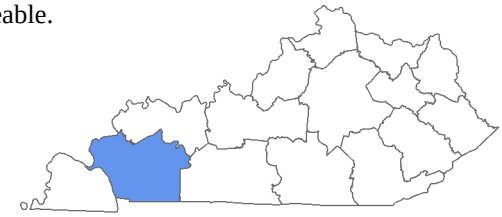
Total Distribution System Line Length = 49.14 miles (Distribution: 40.27 miles, Transmission: 8.87 miles).

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	$4,800,000	Kenton	13	3
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	Not Funded	$5,385,000	Kenton		

Pennyrile Area Development District (PEADD)



- 2010 census population of 219,305 (97,910 households) with 95% serviceable.
- Projected 2020 population of 226,580 (change of 7,275).
- 5,158.36 miles of existing water lines.
- 172.00 miles of line extensions proposed in the next 10 years.
- 122.00 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: $196,543,890.
- Estimated funding needs for projects from 6 to 10 years: $37,198,908.
- Average age of structures: water treatment plants is 43 years; water tanks is 28 years.
- Total number of interconnected systems is 55.
- 844 miles of asbestos concrete pipe currently in use.
- 1,017 miles of water lines less than 15 years old.
- 386 miles of water lines between 15 and 30 years old.
- 1,970 miles of water lines between 31 and 50 years old.
- 1,319 miles of water lines between 51 and 70 years old.
- 531 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 95 percent of the district's households based on 2010 census counts. Over the next ten years approximately 996 serviceable households will be added through the construction of 172.00 miles of water line extensions and approximately 99,012 instances of improved service through the rehabilitation of 122.00 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	6,219	99%	$ 10,481,433
Christian	73,955	29,459	77,840	28,340	26,626	90%	$ 60,469,873
Crittenden	9,315	4,569	9,156	3,775	4,334	95%	$ 3,010,000
Hopkins	46,920	21,180	48,007	19,684	20,677	98%	$ 11,963,959
Livingston	9,519	4,824	9,438	4,074	4,651	96%	$ 5,056,000
Lyon	8,314	4,791	8,523	3,430	4,671	98%	$ 2,878,000
Muhlenberg	31,499	13,699	31,466	12,337	13,255	97%	$ 15,362,632
Todd	12,460	5,286	12,958	4,989	5,053	96%	$ 110,445,500
Trigg	14,339	7,810	16,244	6,986	7,633	98%	$ 14,075,401
Totals	**219,305**	**97,910**	**226,580**	**89,133**	**93,119**	**95%**	**$ 233,742,798**

Kentucky Infrastructure Authority
February 19, 2016

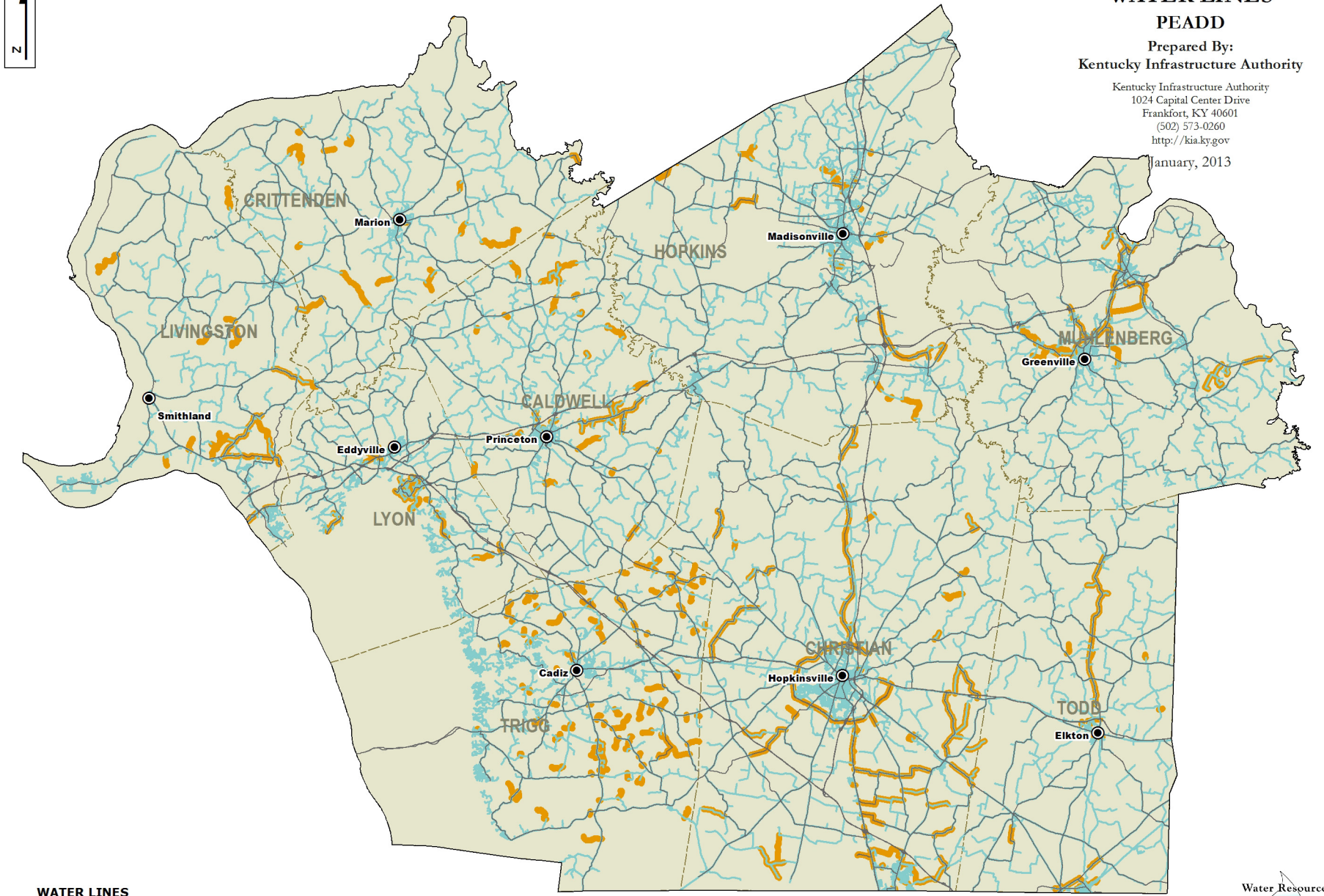
EXISTING & PROPOSED WATER LINES

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	5,105	2,449
KY0170146	Fredonia Water Department	Caldwell	721	327
KY0170360	Princeton Water & Wastewater Commission	Caldwell	7,008	3,442
KY0240521	Christian County Water District	Christian	15,760	6,641
KY0240201	Hopkinsville Water Environment Authority	Christian	36,222	16,439
KY0240329	Oak Grove Water Department	Christian	8,049	3,555
KY0280267	Marion Water Department	Crittenden	3,034	1,489
KY0540958	Dawson Springs Water & Sewer System	Hopkins	2,641	1,253
KY0540108	Earlington Water & Sewer Department	Hopkins	1,452	727
KY0540656	Hanson Water System	Hopkins	1,149	452
KY0540936	Madisonville Municipal Utilities	Hopkins	21,931	10,223
KY0540269	Mortons Gap Water Department	Hopkins	866	402
KY0540977	Nebo Water District	Hopkins	3,769	1,552
KY0540138	North Hopkins Water District	Hopkins	3,096	1,307
KY0540328	Nortonville Water Department	Hopkins	2,144	918
KY0540406	South Hopkins Water District	Hopkins	6,970	3,130
KY0540465	White Plains Water Department	Hopkins	1,552	667
KY0700532	Crittenden-Livingston County Water District	Livingston	9,039	4,512
KY0700162	Grand Rivers Water System	Livingston	2,000	1,154
KY0700243	Ledbetter Water District	Livingston	2,725	1,210
KY0700380	Salem Municipal Water System	Livingston	750	360
KY0700401	Smithland Water & Sewer System	Livingston	497	261
KY0720113	Eddyville Water Department	Lyon	2,893	1,121
KY0720227	Kuttawa Water Department	Lyon	764	407
KY0720933	Lyon County Water District	Lyon	4,032	2,917
KY0890071	Central City Municipal Water & Sewer System	Muhlenberg	4,787	2,217
KY0890106	Drakesboro Water & Sewer	Muhlenberg	665	308
KY0890170	Greenville Utilities Commission	Muhlenberg	4,728	2,131
KY0890302	Muhlenberg County Water District #1	Muhlenberg	14,013	6,161
KY0890304	Muhlenberg County Water District #3	Muhlenberg	4,968	2,227
KY1100121	Elkton Utilities	Todd	2,167	957
KY1100171	Guthrie Water Works	Todd	1,399	639
KY1100944	Todd County Water District	Todd	8,467	3,760
KY1100428	Trenton Water Works	Todd	584	269
KY1110019	Barkley Lake Water District	Trigg	10,254	5,934
KY1110054	Cadiz Water & Sewer Commission	Trigg	3,940	1,818
		Totals:	200,141	93,336

Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21221015	Cadiz Water Treatment Plant Project	0-2 Years	Not Funded	$5,562,500	Trigg	1	1
WX21107034	South Hopkins Water District - Waterline Extension & Tank	3-5 Years	Not Funded	$1,224,004	Hopkins	2	1
WX21143006	City of Kuttawa - Water Quality Project	3-5 Years	Partially Funded	$200,000	Lyon	3	1
WX21219032	Logan/Todd - 12" Waterline Upgrade (Elkton to Allender's Hill)	3-5 Years	Unknown	$0	Todd	4	1
WX21047019	Oak Grove - Hugh Hunter Road Waterline Replacement	0-2 Years	Not Funded	$865,000	Christian	5	1
WX21055013	Marion - Sludge Basin Rehabilitation	3-5 Years	Not Funded	$375,000	Crittenden	6	1
WX21139013	Grand Rivers - Waterline Replacement Project	3-5 Years	Not Funded	$850,000	Livingston	7	1
WX21177033	MCWD #3 - Pump Station Efficiency Upgrade	0-2 Years	Not Funded	$47,250	Muhlenberg	8	1
WX21033019	Caldwell County Water District - U.S. Hwy 62 Area Water System Improvements	3-5 Years	Not Funded	$1,456,561	Caldwell	9	1
WX21143011	City of Kuttawa - I-24 Water Storage Tank	3-5 Years	Not Funded	$700,000	Lyon	10	2
WX21107041	Nebo - Water System Improvements	3-5 Years	Partially Funded	$106,282	Hopkins	11	2
WX21047038	Christian Count Water District - Phase VIII Upgrade Project	3-5 Years	Partially Funded	$2,500,000	Christian	12	2
WX21177036	Central City - Tank Rehabilitation	0-2 Years	Not Funded	$500,000	Muhlenberg	13	3
WX21055011	CLWD - Line Extensions (Crittenden)	3-5 Years	Not Funded	$975,000	Crittenden	14	2
WX21219033	Elkton - Water System Rehabilitation and Upgrade project	3-5 Years	Unknown	$0	Todd	15	2
WX21221014	Barkley Lake Water District - Sludge Storage Lagoon Improvements	3-5 Years	Not Funded	$349,901	Trigg	16	2
WX21047035	Christian County Water District - Waterline Replacement & Extension	3-5 Years	Not Funded	$3,818,000	Christian	17	5
WX21177037	MCWD #1 - Cornett Road Replacement	3-5 Years	Not Funded	$100,000	Muhlenberg	18	2
WX21033018	Princeton - Tank Rehabilitation	3-5 Years	Not Funded	$300,000	Caldwell	19	2
WX21221013	Cadiz - Line Rehabilitation - Will Jackson Road Hwy 778	3-5 Years	Not Funded	$962,500	Trigg	20	3
WX21221008	Barkley Lake Water District - Water Line Extension	3-5 Years	Not Funded	$3,850,000	Trigg	21	4
WX21047036	Christian County Water District Princeton Road Tank & System Upgrade	3-5 Years	Not Funded	$1,750,000	Christian	22	3
WX21107008	Madisonville Noel Av Line Replacement	3-5 Years	Not Funded	$587,600	Hopkins	23	3
WX21047027	HWEA - Crofton Water Line Replacement	6-10 Years	Not Funded	$4,060,995	Christian	24	7
WX21219023	Logan-Todd Rwc/Guthrie - Clarksville, Tn Interconnection	6-10 Years	Not Funded	$13,000,000	Todd	25	8
WX21047004	HWEA - Crofton Water Main Extension Project	6-10 Years	Not Funded	$6,165,541	Christian	26	8
WX21219014	Trenton - Water System Improvements	3-5 Years	Not Funded	$400,000	Todd	27	3
WX21107044	White Plains - Red Hill Road Ph. III Christian County Interconne	3-5 Years	Not Funded	$155,000	Hopkins	28	4
WX21143012	City of Eddyville - Automated Meter Reading	3-5 Years	Not Funded	$260,000	Lyon	29	3
WX21143013	City of Kuttawa - Automated Meter Reading System	3-5 Years	Not Funded	$150,000	Lyon	30	4
WX21139018	Grand Rivers - Newbern Road Water Line Extension	3-5 Years	Not Funded	$175,000	Livingston	31	3
WX21219008	Guthrie Water System Rehabilitation Project	0-2 Years	Not Funded	$1,300,000	Todd	32	4
WX21033017	Fredonia - Tank Rehabilation	3-5 Years	Not Funded	$200,000	Caldwell	33	3

Project Rankings For Pennyrile Area Development District

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	34	4
WX21107025	White Plains - Phase 2 Red Hill Tank, Pump Station and Waterline Extension	3-5 Years	Not Funded	$670,000	Hopkins	35	5
WX21139022	Ledbetter - Holland Road Main Extension	3-5 Years	Not Funded	$300,000	Livingston	36	5
WX21219024	Elkton - Water Storage Tank Improvements	3-5 Years	Not Funded	$200,000	Todd	37	5
WX21107029	White Plains - Concord Tank & Pump Station	3-5 Years	Not Funded	$770,000	Hopkins	38	6
WX21047003	HWEA Hopkinsville Water Main Extension Project	3-5 Years	Not Funded	$8,163,337	Christian	39	9
WX21033013	Caldwell County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Caldwell	40	4
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	$643,500	Trigg	41	5
WX21177028	Greenville - AMR Project	3-5 Years	Not Funded	$335,000	Muhlenberg	42	5
WX21047031	Christian County Water District - Waterline Extensions (10)	3-5 Years	Not Funded	$1,800,000	Christian	43	6
WX21143004	Lyon County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	44	5
WX21143005	Kuttawa - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	45	6
WX21107009	Madisonville Dozier Heights Waterline Replacement	3-5 Years	Not Funded	$354,413	Hopkins	46	7
WX21177018	Muhlenberg County Water District Nebo Pump Station, Watermain & Tank	3-5 Years	Not Funded	$1,175,985	Muhlenberg	47	6
WX21139025	CLWD - Line Extensions (Livingston)	3-5 Years	Not Funded	$565,000	Livingston	48	7
WX21219019	Logan-Todd Regional Water Commission - WTP Debt Reduction	3-5 Years	Not Funded	$59,120,000	Todd	49	6
WX21033012	Caldwell County Water District - Rd Debt Reduction	3-5 Years	Not Funded	$500,000	Caldwell	50	6
WX21219029	Guthrie - Emergency Standby Generators	3-5 Years	Not Funded	$60,000	Todd	51	7
WX21107021	White Plains - US 62/Concord Ch. Rd. - MG Int. (P2)	6-10 Years	Not Funded	$210,000	Hopkins	52	8
WX21107031	Dawson Springs - Emergency Standby Generators	3-5 Years	Not Funded	$438,099	Hopkins	53	9
WX21047029	HWEA - Hopkinsville Industrial Foundation Commerce Park West Loop	3-5 Years	Not Funded	$210,000	Christian	54	10
WX21107033	South Hopkins Water District - Emercency Standby Generators	3-5 Years	Not Funded	$566,989	Hopkins	55	10
WX21047002	HWEA - Crofton 750K Tank & Water Main Replacement	6-10 Years	Not Funded	$2,545,000	Christian	56	11
WX21047032	HWEA Water Meter Replacement and AMR	6-10 Years	Not Funded	$6,000,000	Christian	57	12
			Total Cost:	**$138,457,854**			

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 512.91 miles of existing water lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 13.00 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: $8,229,061.
- 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 1 serviceable households will be added through the construction of 2.00 miles of water line extensions and approximately 14,590 instances of improved service through the rehabilitation of 13.00 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	5	$5,033,933	-	6,250	-	11.00	-
City of Fredonia	1	$200,000	-	340	-	-	-
Princeton Water & Wastewater Commission	3	$5,247,500	1	8,000	2.00	2.00	2.00
Totals:	**9**	**$10,481,433**	**1**	**14,590**	**2.00**	**13.00**	**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	2,446
KY0170146	Fredonia Water Department	Caldwell	576	284
KY0170360	Princeton Water & Wastewater Commission	Caldwell	6,867	3,347
KY0540406	South Hopkins Water District	Hopkins	205	94
KY0720933	Lyon County Water District	Lyon	20	13
KY1110019	Barkley Lake Water District	Trigg	64	28
		Totals:	12,830	6,212

Kentucky Infrastructure Authority
February 19, 2016

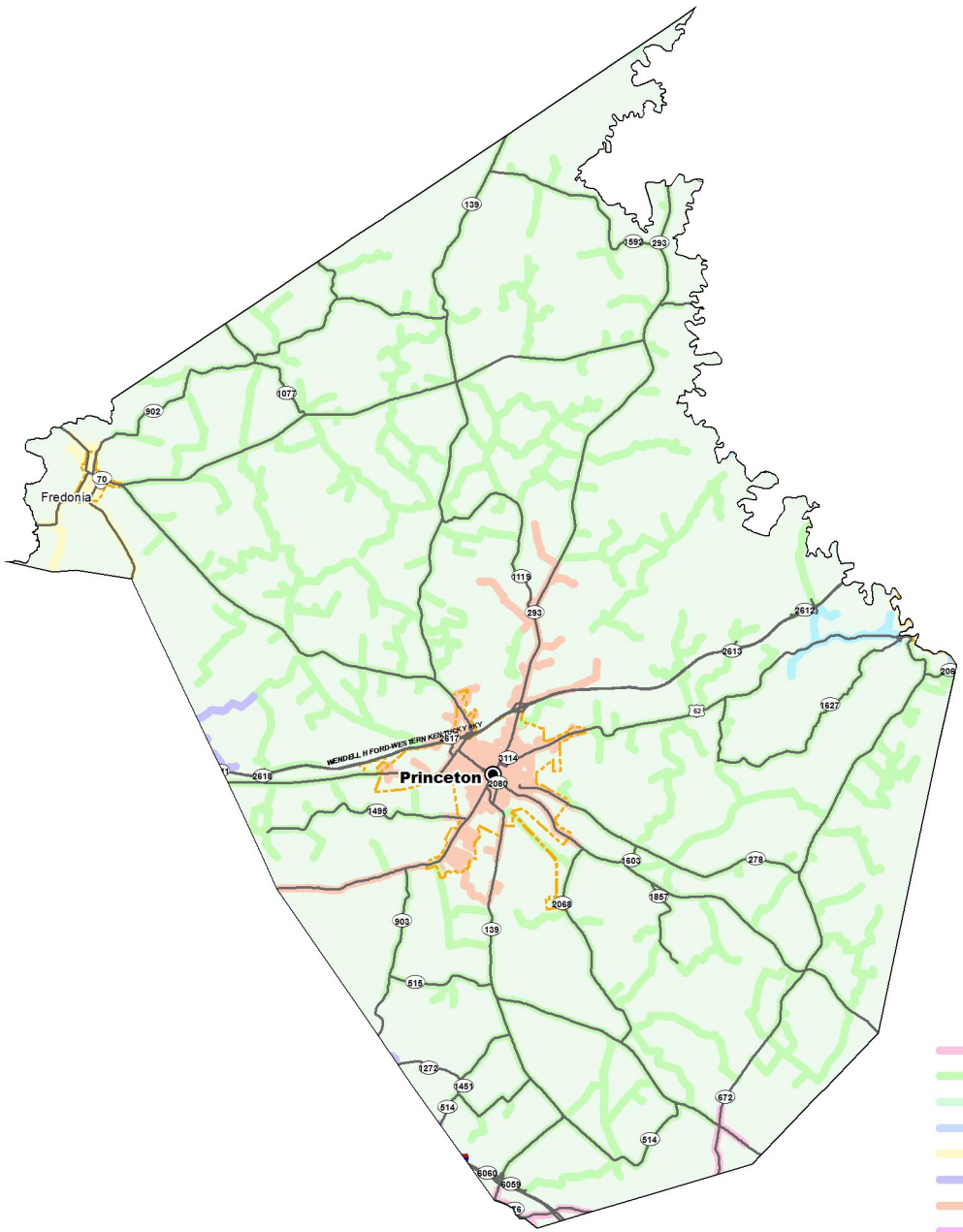
WATER SERVICE AREAS
CALDWELL COUNTY
Kentucky

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



WATER SERVICE BY OWNER

- BARKLEY LAKE WATER DISTRICT
- CALDWELL COUNTY WATER DISTRICT
- CRITTENDEN-LIVINGSTON COUNTY WATER DISTRICT
- DAWSON SPRINGS WATER & SEWER SYSTEM
- FREDONIA WATER DEPARTMENT
- LYON COUNTY WATER DISTRICT
- PRINCETON WATER & WASTEWATER COMMISSION
- PROVIDENCE WATER WORKS
- SOUTH HOPKINS WATER DISTRICT

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	$54.08 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	2,032
Residential Customers	2,018	Total Produced (MG)	-
Commercial Customers	14	Total Purchased (MG)	102.170
Institutional Customers	-	Total Inside Usage (MG)	88.009
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 398.97 miles (Distribution: 398.92 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
WX21033019	Caldwell County Water District - U.S. Hwy 62 Area Water System Improvements	3-5 Years	Not Funded	$1,456,561	Caldwell	9	1
WX21033013	Caldwell County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Caldwell	40	4
WX21033012	Caldwell County Water District - Rd Debt Reduction	3-5 Years	Not Funded	$500,000	Caldwell	50	6
WX21033016	Caldwell County WD - Water Tank Replacement and Upgrades	6-10 Years	Not Funded	$2,252,372	Caldwell		
WX21033011	Caldwell County Water District - Radio Read Meters	3-5 Years	Not Funded	$725,000	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	$32.44 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$41.52 per 4,000 gallons.	Total Connections	329
Residential Customers	311	Total Produced (MG)	-
Commercial Customers	18	Total Purchased (MG)	27.261
Institutional Customers	-	Total Inside Usage (MG)	19.686
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	28%

Total Distribution System Line Length = 19.48 miles (Distribution: 19.48 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	33	3

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	3,479
Residential Customers	3,039	Total Produced (MG)	615.198
Commercial Customers	289	Total Purchased (MG)	-
Institutional Customers	129	Total Inside Usage (MG)	278.491
Industrial Customers	9	Total Wholesale Sold (MG)	160.861
Wholesale Customers	3	Estimated Pct. Water Loss	29%
Total Distribution System Line Length = 91.61 miles (Distribution: 91.49 miles, Transmission: 0.12 miles).			

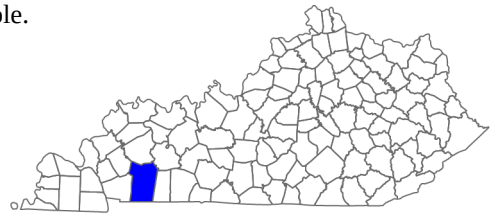
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21033018	Princeton - Tank Rehabilitation	3-5 Years	Not Funded	$300,000	Caldwell	19	2
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 1,065.27 miles of existing water lines.
- 51.00 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: $41,698,337.
- Estimated funding needs for projects from 6 to 10 years: $18,771,536.



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 51.00 miles of water line extensions and approximately 37,461 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	2	$1,465,000	-	6,340	-	1.00	-
Hopkinsville Water Environment Authority	8	$42,444,873	292	16,635	36.00	13.00	-
Logan-Todd Regional Water Commission	1	$6,500,000	-	-	-	-	8.00
Totals:	**16**	**$60,469,873**	**348**	**37,461**	**51.00**	**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	15,684	6,604
KY0240201	Hopkinsville Water Environment Authority	Christian	36,222	16,439
KY0240329	Oak Grove Water Department	Christian	8,049	3,555
KY1110019	Barkley Lake Water District	Trigg	47	18
		Totals:	60,002	26,616

Kentucky Infrastructure Authority
February 19, 2016

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

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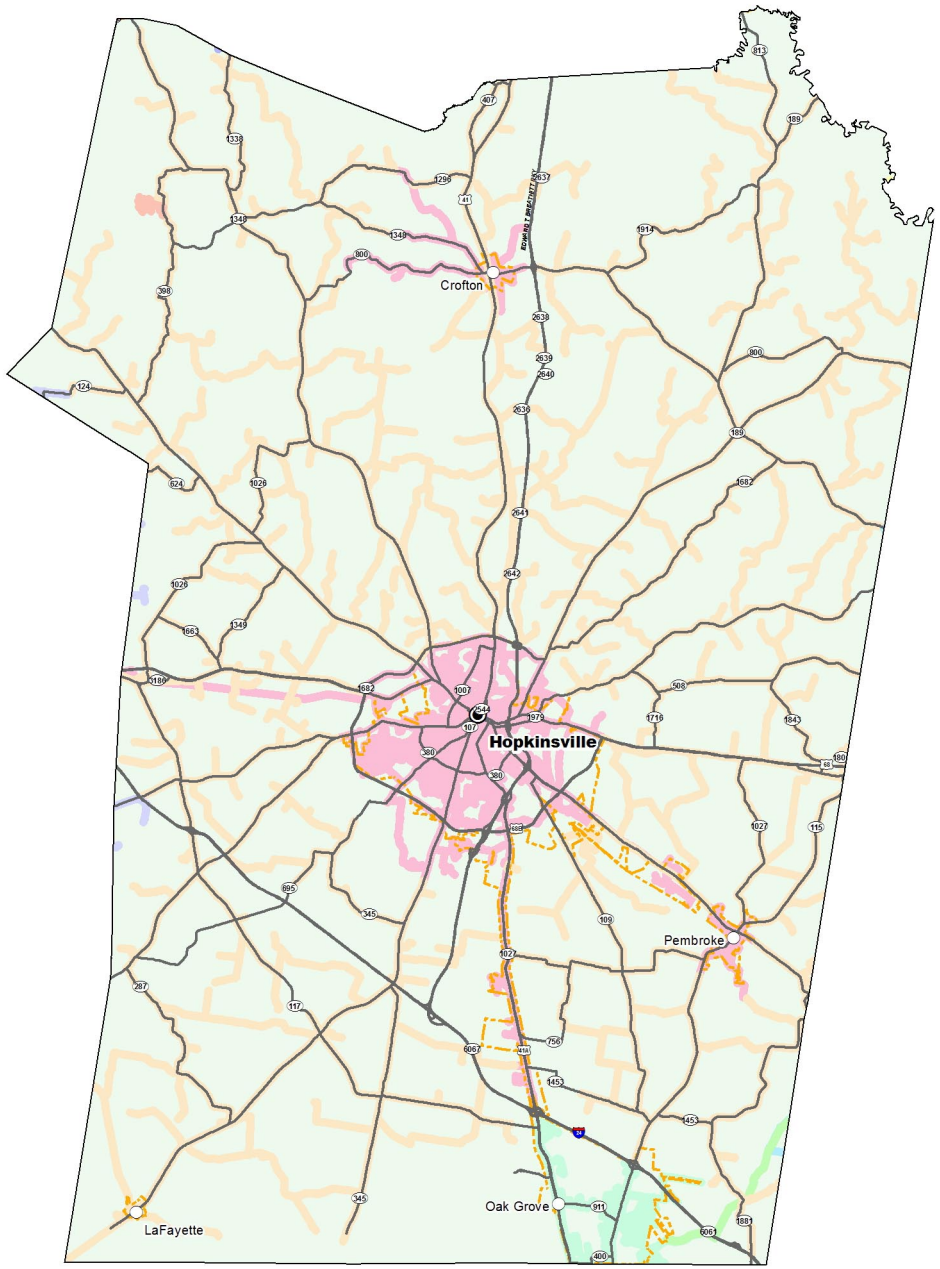

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WATER SERVICE BY OWNER

- 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	15	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	$41.96 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,871
Residential Customers	5,871	Total Produced (MG)	-
Commercial Customers	75	Total Purchased (MG)	500.391
Institutional Customers	-	Total Inside Usage (MG)	404.241
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%

Total Distribution System Line Length = 692.96 miles (Distribution: 692.96 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
WX21047038	Christian Count Water District - Phase VIII Upgrade Project	3-5 Years	Partially Funded	$2,500,000	Christian	12	2
WX21047035	Christian County Water District - Waterline Replacement & Extension	3-5 Years	Not Funded	$3,818,000	Christian	17	5
WX21047036	Christian County Water District Princeton Road Tank & System Upgrade	3-5 Years	Not Funded	$1,750,000	Christian	22	3
WX21047031	Christian County Water District - Waterline Extensions (10)	3-5 Years	Not Funded	$1,800,000	Christian	43	6
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	$20.76 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	$20.76 per 4,000 gallons.	Total Connections	15,559
Residential Customers	13,178	Total Produced (MG)	2,231.937
Commercial Customers	1,897	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,500.558
Industrial Customers	82	Total Wholesale Sold (MG)	421.050
Wholesale Customers	1	Estimated Pct. Water Loss	14%

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	6-10 Years	Not Funded	$4,060,995	Christian	24	7
WX21047004	HWEA - Crofton Water Main Extension Project	6-10 Years	Not Funded	$6,165,541	Christian	26	8
WX21047003	HWEA Hopkinsville Water Main Extension Project	3-5 Years	Not Funded	$8,163,337	Christian	39	9
WX21047029	HWEA - Hopkinsville Industrial Foundation Commerce Park West Loop	3-5 Years	Not Funded	$210,000	Christian	54	10
WX21047002	HWEA - Crofton 750K Tank & Water Main Replacement	6-10 Years	Not Funded	$2,545,000	Christian	56	11
WX21047032	HWEA Water Meter Replacement and AMR	6-10 Years	Not Funded	$6,000,000	Christian	57	12
WX21047013	HWEA US 41A Water Main Improvement, 2 MG Southpark Tank, Tank Rehabilitation	0-2 Years	Partially Funded	$9,300,000	Christian		
WX21047010	HWEA - Westside 2 MG Tank & Water Main Extension	0-2 Years	Partially Funded	$6,000,000	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	11	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	3,213
Residential Customers	3,041	Total Produced (MG)	-
Commercial Customers	150	Total Purchased (MG)	211.469
Institutional Customers	12	Total Inside Usage (MG)	154.050
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	27%

Total Distribution System Line Length = 68.63 miles (Distribution: 68.63 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	5	1
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		

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 401.82 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	3,034	1,489
KY0700532	Crittenden-Livingston County Water District	Livingston	5,825	2,843
		Totals:	8,859	4,332

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
CRITTENDEN 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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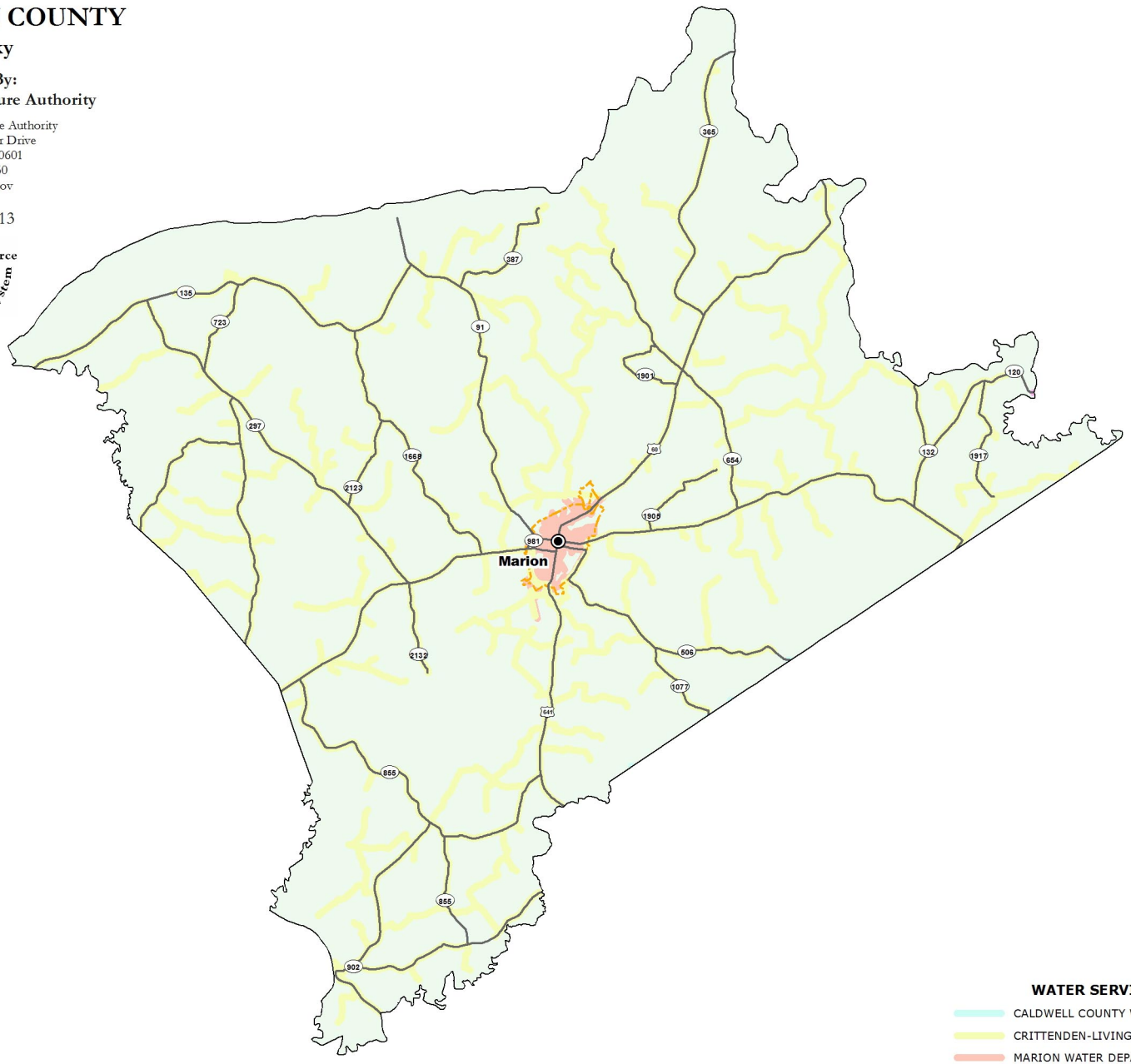
Water Resource Information System



WATER SERVICE BY OWNER

- 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	$34.97 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.97 per 4,000 gallons.	Total Connections	1,523
Residential Customers	1,325	Total Produced (MG)	151.082
Commercial Customers	192	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	92.478
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	39%

Total Distribution System Line Length = 38.93 miles (Distribution: 38.09 miles, Transmission: 0.83 miles).

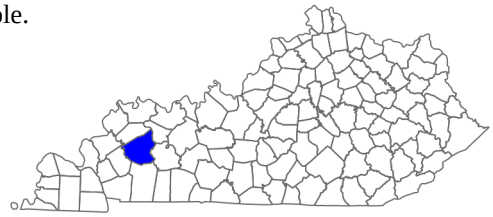
MG = Million Gallons.
MGD = Million Gallons per Day.

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	6	1
WX21139026	Crittenden-Livingston Water District - Distribution Upgrade	3-5 Years	Not Funded	$1,160,000	Livingston		
WX21055010	Marion - Emergency Standby Generators	3-5 Years	Not Funded	$500,000	Crittenden		

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 808.68 miles of existing water lines.
- 11.00 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: $8,788,959.
- 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 456 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 10,607 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	1	$30,000	-	570	-	-	-
City of Hanson	1	$271,883	1	-	-	-	-
City of Madisonville	4	$3,578,202	430	2,079	4.00	3.00	-
City of Mortons Gap	2	$870,000	-	301	-	-	-
City of Providence	1	$2,000,000	-	5	-	1.00	-
City of White Plains	5	$2,770,000	16	3,852	4.00	8.00	-
Nebo Water District	1	$106,282	9	-	3.00	-	-
North Hopkins Water District	1	$108,500	-	-	-	-	-
South Hopkins Water District	2	$1,790,993	-	3,800	-	-	-
Totals:	**19**	**$11,963,959**	**456**	**10,607**	**11.00**	**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	2,631	1,248
KY0540108	Earlington Water & Sewer Department	Hopkins	1,452	727
KY0540656	Hanson Water System	Hopkins	1,149	452
KY0540936	Madisonville Municipal Utilities	Hopkins	21,931	10,223
KY0540269	Mortons Gap Water Department	Hopkins	866	402
KY0540977	Nebo Water District	Hopkins	3,766	1,552
KY0540138	North Hopkins Water District	Hopkins	3,096	1,307
KY0540328	Nortonville Water Department	Hopkins	2,144	918
KY0540406	South Hopkins Water District	Hopkins	6,758	3,032
KY0540465	White Plains Water Department	Hopkins	1,552	667
KY0240521	Christian County Water District	Christian	27	16
KY1170361	Providence Water Works	Webster	30	14
KY1170400	Slaughters Water Works	Webster	289	115
		Totals:	45,691	20,673

Kentucky Infrastructure Authority
February 19, 2016

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HOPKINS COUNTY
Kentucky

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1024 Capital Center Drive
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(502) 573-0260
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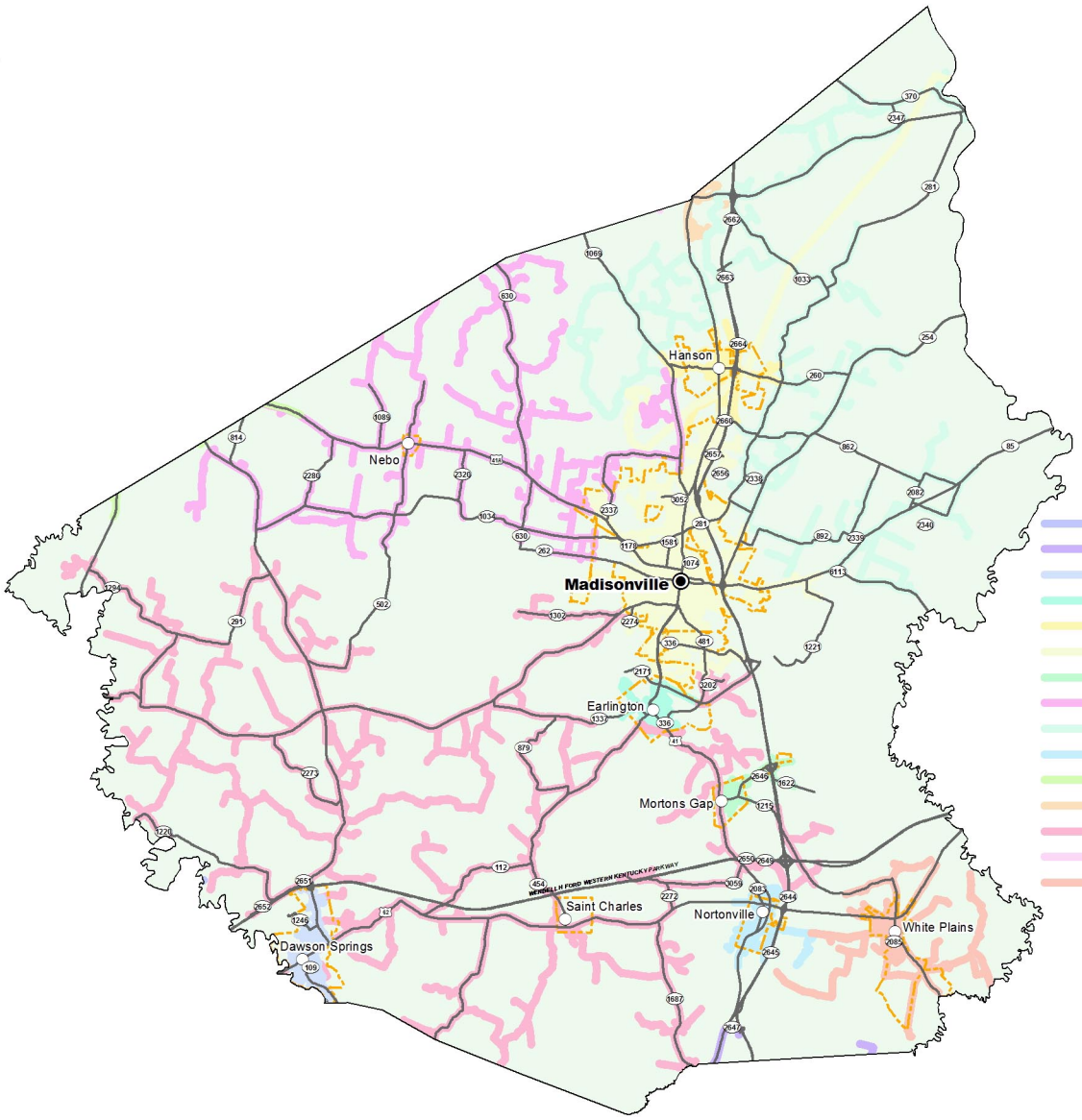
January, 2013

Water Resource Information System



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	9	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	$27.70 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$27.70 per 4,000 gallons.	Total Connections	980
Residential Customers	830	Total Produced (MG)	514.922
Commercial Customers	150	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	46.763
Industrial Customers	-	Total Wholesale Sold (MG)	334.657
Wholesale Customers	1	Estimated Pct. Water Loss	26%
Total Distribution System Line Length = 29.09 miles (Distribution: 28.29 miles, Transmission: 0.81 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	53	9

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	2	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	$33.40 per 4,000 gallons.	Total Connections	548
Residential Customers	486	Total Produced (MG)	-
Commercial Customers	24	Total Purchased (MG)	51.241
Institutional Customers	-	Total Inside Usage (MG)	24.184
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	53%

Total Distribution System Line Length = 17.68 miles (Distribution: 17.64 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
WX21107028	Earlington - Water System Improvements	0-2 Years	Not Funded	$30,000	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	5	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$31.00 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$56.52 per 4,000 gallons.	Total Connections	477
Residential Customers	469	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	44.771
Institutional Customers	-	Total Inside Usage (MG)	28.140
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%
Total Distribution System Line Length = 21.76 miles (Distribution: 21.76 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
WX21107019	Hanson - Hopkins County Industrial Park Water Main	3-5 Years	Not Funded	$271,883	Hopkins		

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	31	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)	1,390.163
Commercial Customers	1,412	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	865.045
Industrial Customers	30	Total Wholesale Sold (MG)	288.081
Wholesale Customers	4	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 174.48 miles (Distribution: 158.84 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	23	3
WX21107009	Madisonville Dozier Heights Waterline Replacement	3-5 Years	Not Funded	$354,413	Hopkins	46	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	433	Total Produced (MG)	-
Commercial Customers	18	Total Purchased (MG)	46.397
Institutional Customers	-	Total Inside Usage (MG)	29.159
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%

Total Distribution System Line Length = 12.56 miles (Distribution: 12.56 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
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	7	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$35.11 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	1,531	Total Produced (MG)	-
Commercial Customers	20	Total Purchased (MG)	156.904
Institutional Customers	18	Total Inside Usage (MG)	140.025
Industrial Customers	8	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 101.13 miles (Distribution: 101.13 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
WX21107041	Nebo - Water System Improvements	3-5 Years	Partially Funded	$106,282	Hopkins	11	2

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	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	$47.36 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	1,262
Residential Customers	1,256	Total Produced (MG)	-
Commercial Customers	12	Total Purchased (MG)	80.793
Institutional Customers	-	Total Inside Usage (MG)	66.856
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 120.85 miles (Distribution: 120.85 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	Water Tank Mixing System Project	0-2 Years	Not Funded	$108,500	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	5	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	866
Residential Customers	822	Total Produced (MG)	64.662
Commercial Customers	31	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	37.840
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	41%
Total Distribution System Line Length = 29.69 miles (Distribution: 29.27 miles, Transmission: 0.42 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 2 providers.
Non-Municipal Cost	$26.47 per 4,000 gallons.	Wholesale Provider	Yes, to 4 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	2,830	Total Produced (MG)	-
Commercial Customers	114	Total Purchased (MG)	340.270
Institutional Customers	20	Total Inside Usage (MG)	200.238
Industrial Customers	3	Total Wholesale Sold (MG)	98.451
Wholesale Customers	4	Estimated Pct. Water Loss	12%

Total Distribution System Line Length = 252.52 miles (Distribution: 252.52 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
WX21107034	South Hopkins Water District - Waterline Extension & Tank	3-5 Years	Not Funded	$1,224,004	Hopkins	2	1
WX21107033	South Hopkins Water District - Emercency Standby Generators	3-5 Years	Not Funded	$566,989	Hopkins	55	10
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	2	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	636
Residential Customers	626	Total Produced (MG)	50.350
Commercial Customers	8	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	43.190
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	14%

Total Distribution System Line Length = 44.18 miles (Distribution: 43.88 miles, Transmission: 0.31 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
WX21107044	White Plains - Red Hill Road Ph. III Christian County Interconne	3-5 Years	Not Funded	$155,000	Hopkins	28	4
WX21107025	White Plains - Phase 2 Red Hill Tank, Pump Station and Waterline Extension	3-5 Years	Not Funded	$670,000	Hopkins	35	5
WX21107029	White Plains - Concord Tank & Pump Station	3-5 Years	Not Funded	$770,000	Hopkins	38	6
WX21107021	White Plains - US 62/Concord Ch. Rd. - MG Int. (P2)	6-10 Years	Not Funded	$210,000	Hopkins	52	8
WX21107022	White Plains - Hwy 813 - South Hopkins Water District Interconnect	6-10 Years	Not Funded	$965,000	Hopkins		

Livingston County

- 2010 census population of 9,519 (4,824 households) with 96% serviceable.
- Projected 2020 population of 9,438 (change of -81).
- Livingston County has 385.37 miles of existing water lines.
- 11.00 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: $5,056,000.
- 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 96 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 6,945 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 Grand Rivers	4	$1,169,000	-	2,665	-	17.00	-
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:	**11**	**$5,056,000**	**39**	**6,945**	**11.00**	**20.00**	**-**

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	3,212	1,667
KY0700162	Grand Rivers Water System	Livingston	1,999	1,153
KY0700243	Ledbetter Water District	Livingston	2,725	1,210
KY0700380	Salem Municipal Water System	Livingston	750	360
KY0700401	Smithland Water & Sewer System	Livingston	497	261
		Totals:	9,183	4,651

Kentucky Infrastructure Authority
February 19, 2016

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

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	3,505
Residential Customers	3,487	Total Produced (MG)	537.926
Commercial Customers	12	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	255.377
Industrial Customers	-	Total Wholesale Sold (MG)	210.744
Wholesale Customers	6	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 593.82 miles (Distribution: 593.60 miles, Transmission: 0.21 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	14	2
WX21139025	CLWD - Line Extensions (Livingston)	3-5 Years	Not Funded	$565,000	Livingston	48	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	1,206	Total Produced (MG)	-
Commercial Customers	127	Total Purchased (MG)	116.601
Institutional Customers	-	Total Inside Usage (MG)	87.539
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	25%
Total Distribution System Line Length = 78.24 miles (Distribution: 78.24 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
WX21139013	Grand Rivers - Waterline Replacement Project	3-5 Years	Not Funded	$850,000	Livingston	7	1
WX21139018	Grand Rivers - Newbern Road Water Line Extension	3-5 Years	Not Funded	$175,000	Livingston	31	3
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	1,257
Residential Customers	1,212	Total Produced (MG)	56.162
Commercial Customers	42	Total Purchased (MG)	40.870
Institutional Customers	-	Total Inside Usage (MG)	68.197
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	30%
Total Distribution System Line Length = 48.43 miles (Distribution: 48.36 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
WX21139022	Ledbetter - Holland Road Main Extension	3-5 Years	Not Funded	$300,000	Livingston	36	5
WX21139021	Ledbetter Water District - Emergency Standby Generators	3-5 Years	Not Funded	$677,000	Livingston		
WX21139023	Ledbetter - Paris Rd Main Extension	3-5 Years	Not Funded	$150,000	Livingston		

Livingston County (continued)

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	2	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	431
Residential Customers	367	Total Produced (MG)	-
Commercial Customers	42	Total Purchased (MG)	25.506
Institutional Customers	-	Total Inside Usage (MG)	21.881
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 12.59 miles (Distribution: 12.59 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Salem Municipal Water System

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	4	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$37.57 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$37.57 per 4,000 gallons.	Total Connections	262
Residential Customers	213	Total Produced (MG)	-
Commercial Customers	49	Total Purchased (MG)	15.360
Institutional Customers	-	Total Inside Usage (MG)	7.833
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	49%

Total Distribution System Line Length = 14.34 miles (Distribution: 14.34 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 307.24 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: $2,878,000.
- 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 7,837 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	1	$260,000	-	1,395	-	-	-
City of Kuttawa	3	$950,000	-	1,075	-	-	-
Lyon County Water District	3	$1,668,000	2	5,367	4.00	-	-
Totals:	**7**	**$2,878,000**	**2**	**7,837**	**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	2,893	1,121
KY0720227	Kuttawa Water Department	Lyon	764	407
KY0720933	Lyon County Water District	Lyon	4,009	2,904
KY0170146	Fredonia Water Department	Caldwell	145	43
KY0170360	Princeton Water & Wastewater Commission	Caldwell	141	95
KY1110019	Barkley Lake Water District	Trigg	132	95
		Totals:	8,084	4,665

Kentucky Infrastructure Authority
February 19, 2016

WATER SERVICE AREAS
LYON COUNTY
Kentucky

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Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
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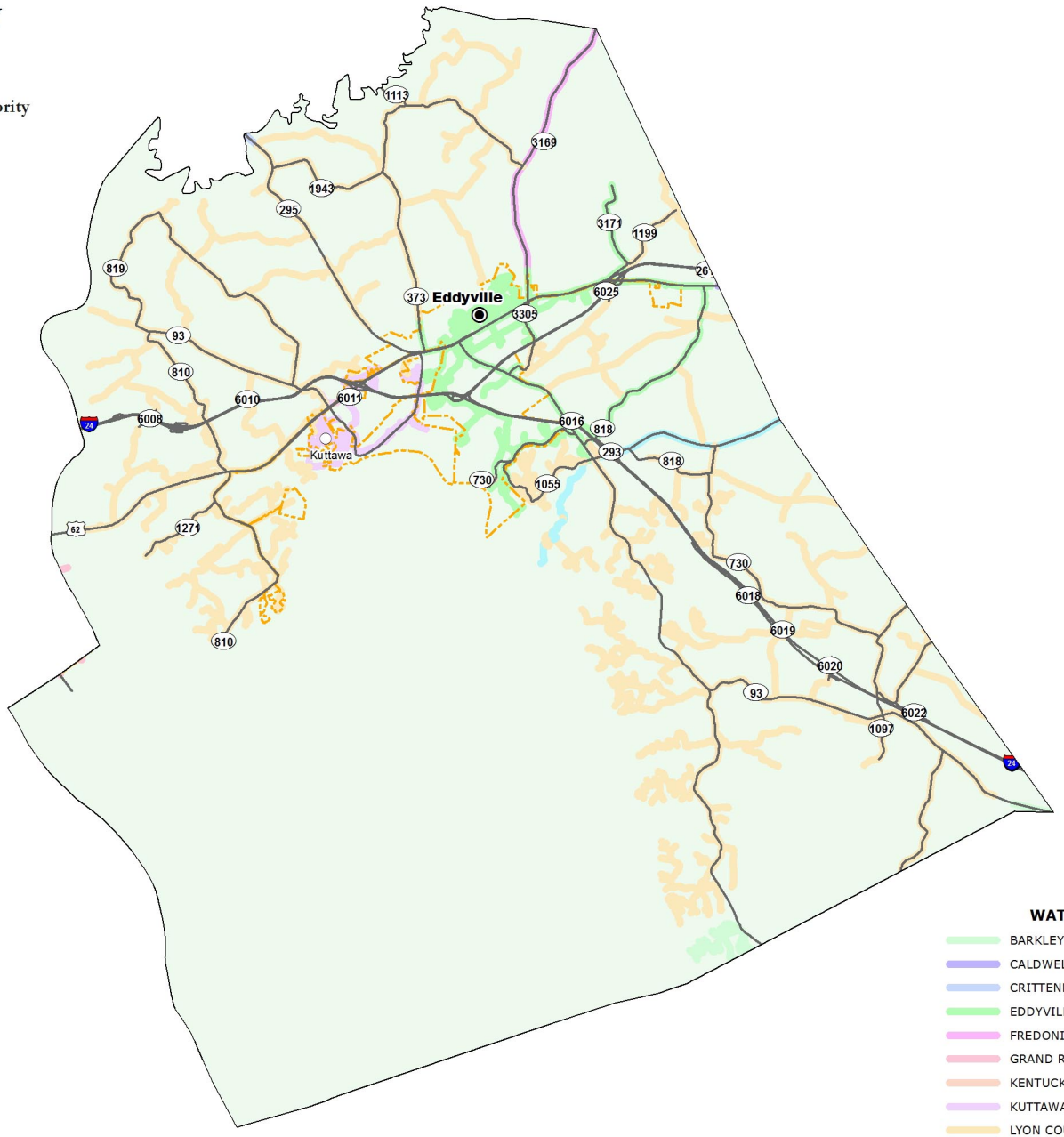
Water Resource Information System



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	$30.26 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$34.22 per 4,000 gallons.	Total Connections	1,366
Residential Customers	1,142	Total Produced (MG)	163.694
Commercial Customers	169	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	111.897
Industrial Customers	-	Total Wholesale Sold (MG)	35.057
Wholesale Customers	3	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 51.55 miles (Distribution: 47.28 miles, Transmission: 4.27 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	29	3

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)	1.527
Institutional Customers	-	Total Inside Usage (MG)	71.774
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	2%

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	$17.72 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$35.22 per 4,000 gallons.	Total Connections	438
Residential Customers	400	Total Produced (MG)	90.748
Commercial Customers	38	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	42.106
Industrial Customers	-	Total Wholesale Sold (MG)	39.123
Wholesale Customers	1	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 15.23 miles (Distribution: 15.18 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
WX21143006	City of Kuttawa - Water Quality Project	3-5 Years	Partially Funded	$200,000	Lyon	3	1
WX21143011	City of Kuttawa - I-24 Water Storage Tank	3-5 Years	Not Funded	$700,000	Lyon	10	2
WX21143013	City of Kuttawa - Automated Meter Reading System	3-5 Years	Not Funded	$150,000	Lyon	30	4
WX21143005	Kuttawa - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	45	6
WX21139026	Crittenden-Livingston Water District - Distribution Upgrade	3-5 Years	Not Funded	$1,160,000	Livingston		

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	$37.02 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	2,512
Residential Customers	2,457	Total Produced (MG)	-
Commercial Customers	43	Total Purchased (MG)	117.303
Institutional Customers	-	Total Inside Usage (MG)	94.422
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 225.46 miles (Distribution: 225.46 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
WX21143004	Lyon County Water District - Emergency Standby Generators	3-5 Years	Not Funded	$100,000	Lyon	44	5
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 97% serviceable.
- Projected 2020 population of 31,466 (change of -33).
- Muhlenberg County has 668.88 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: $15,362,632.
- 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 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 27 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 10,530 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	3	$890,000	11	75	2.00	4.00	-
Central City Municipal Water & Sewer System	2	$8,800,000	14	4,177	8.00	-	-
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	-	-	-
Warren County Water District	1	$3,300,000	-	-	-	-	-
Totals:	**11**	**$15,362,632**	**27**	**10,530**	**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	4,787	2,217
KY0890106	Drakesboro Water & Sewer	Muhlenberg	665	308
KY0890170	Greenville Utilities Commission	Muhlenberg	4,728	2,131
KY0890302	Muhlenberg County Water District #1	Muhlenberg	13,852	6,092
KY0890304	Muhlenberg County Water District #3	Muhlenberg	4,967	2,227
KY0160052	Butler County Water System	Butler	623	276
		Totals:	29,622	13,251

Kentucky Infrastructure Authority
February 19, 2016

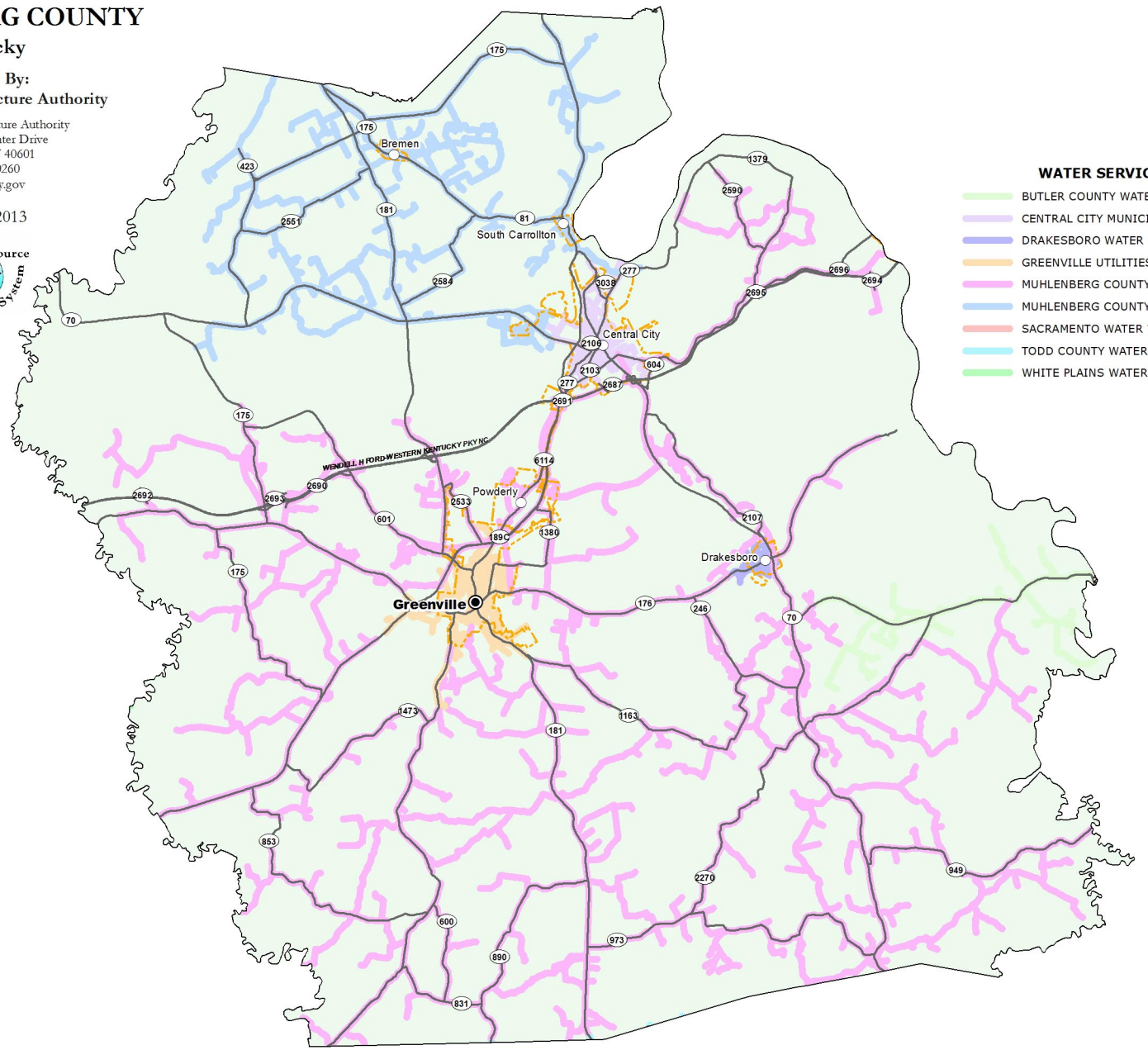
WATER SERVICE AREAS
MUHLENBERG COUNTY
Kentucky

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	$23.24 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)	1,004.269
Commercial Customers	262	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	185.960
Industrial Customers	-	Total Wholesale Sold (MG)	756.894
Wholesale Customers	2	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 42.98 miles (Distribution: 42.29 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		
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	$51.20 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$53.20 per 4,000 gallons.	Total Connections	286
Residential Customers	283	Total Produced (MG)	-
Commercial Customers	3	Total Purchased (MG)	15.201
Institutional Customers	-	Total Inside Usage (MG)	14.390
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%

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

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

There are no immediate projects for Drakesboro Water & Sewer

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)	230.890
Commercial Customers	302	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	157.478
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	32%

Total Distribution System Line Length = 50.78 miles (Distribution: 45.51 miles, Transmission: 5.26 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
WX21177028	Greenville - AMR Project	3-5 Years	Not Funded	$335,000	Muhlenberg	42	5
WX21177032	Central City - City of Greenville - Supply System	3-5 Years	Not Funded	$8,300,000	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)	481.815
Institutional Customers	-	Total Inside Usage (MG)	418.000
Industrial Customers	8	Total Wholesale Sold (MG)	15.201
Wholesale Customers	2	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 417.26 miles (Distribution: 417.26 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	34	4
WX21177018	Muhlenberg County Water District Nebo Pump Station, Watermain & Tank	3-5 Years	Not Funded	$1,175,985	Muhlenberg	47	6

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	2,122
Residential Customers	2,032	Total Produced (MG)	-
Commercial Customers	90	Total Purchased (MG)	275.347
Institutional Customers	-	Total Inside Usage (MG)	179.833
Industrial Customers	-	Total Wholesale Sold (MG)	55.000
Wholesale Customers	1	Estimated Pct. Water Loss	15%

Total Distribution System Line Length = 129.24 miles (Distribution: 129.24 miles, Transmission: 0.00 miles).

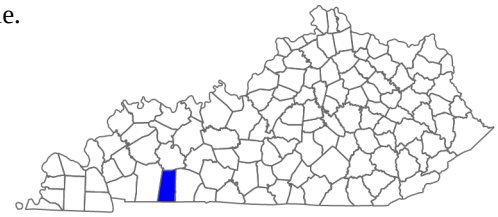
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21177033	MCWD #3 - Pump Station Efficiency Upgrade	0-2 Years	Not Funded	$47,250	Muhlenberg	8	1
WX21177018	Muhlenberg County Water District Nebo Pump Station, Watermain & Tank	3-5 Years	Not Funded	$1,175,985	Muhlenberg	47	6
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 96% serviceable.
- Projected 2020 population of 12,958 (change of 498).
- Todd County has 453.37 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 14.00 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: $97,445,500.
- 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 96 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 7.00 miles of water line extensions and approximately 257 instances of improved service through the rehabilitation of 14.00 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	1	$200,000	-	-	-	-	-
City of Guthrie	3	$3,760,000	1	97	2.00	3.00	-
City of Trenton	2	$465,500	1	-	-	-	-
Logan-Todd Regional Water Commission	4	$101,820,000	1	-	5.00	-	1.00
Todd County Water District	1	$4,200,000	-	160	-	11.00	-
Totals:	**11**	**$110,445,500**	**3**	**257**	**7.00**	**14.00**	**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	2,167	957
KY1100171	Guthrie Water Works	Todd	1,399	639
KY1100944	Todd County Water District	Todd	7,703	3,161
KY1100428	Trenton Water Works	Todd	584	269
KY0240521	Christian County Water District	Christian	42	19
		Totals:	11,895	5,045

Kentucky Infrastructure Authority
February 19, 2016

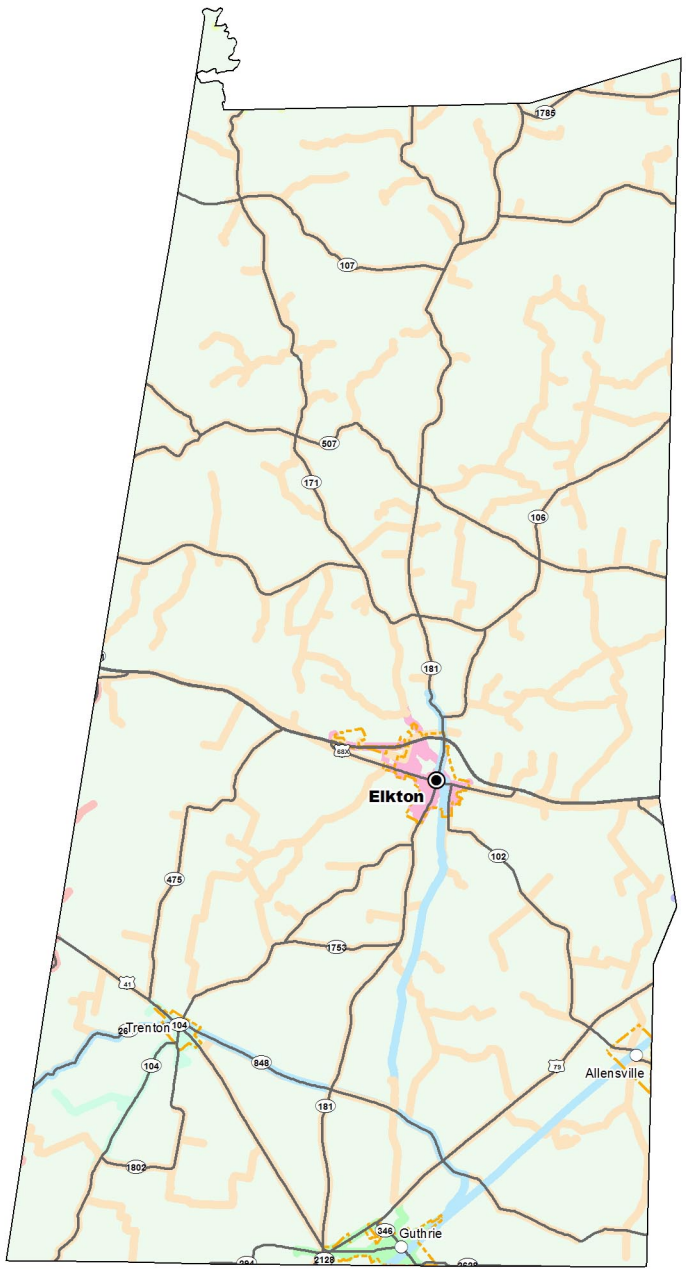
WATER SERVICE AREAS
TODD COUNTY
Kentucky

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	5	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	918
Residential Customers	743	Total Produced (MG)	-
Commercial Customers	169	Total Purchased (MG)	59.776
Institutional Customers	-	Total Inside Usage (MG)	47.556
Industrial Customers	6	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	20%

Total Distribution System Line Length = 21.50 miles (Distribution: 21.50 miles, Transmission: 0.00 miles).

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

There are no immediate projects for Elkton Utilities

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	$33.82 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$43.20 per 4,000 gallons.	Total Connections	737
Residential Customers	691	Total Produced (MG)	-
Commercial Customers	46	Total Purchased (MG)	55.282
Institutional Customers	-	Total Inside Usage (MG)	32.516
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	41%

Total Distribution System Line Length = 19.43 miles (Distribution: 19.43 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
WX21219008	Guthrie Water System Rehabilitation Project	0-2 Years	Not Funded	$1,300,000	Todd	32	4
WX21219029	Guthrie - Emergency Standby Generators	3-5 Years	Not Funded	$60,000	Todd	51	7
WX21219028	Guthrie Industrial Park Waterline Extensions	0-2 Years	Not Funded	$2,400,000	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	11	Wholesale Purchaser	No
Non-Municipal Cost	$15.64 per 4,000 gallons.	Wholesale Provider	Yes, to 12 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)	1,660.870
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	19.000
Industrial Customers	-	Total Wholesale Sold (MG)	1,382.076
Wholesale Customers	12	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 103.13 miles (Distribution: 0.00 miles, Transmission: 103.13 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
WX21219023	Logan-Todd Rwc/Guthrie - Clarksville, Tn Interconnection	6-10 Years	Not Funded	$13,000,000	Todd	25	8
WX21219019	Logan-Todd Regional Water Commission - WTP Debt Reduction	3-5 Years	Not Funded	$59,120,000	Todd	49	6
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	6	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	3,417
Residential Customers	3,362	Total Produced (MG)	-
Commercial Customers	52	Total Purchased (MG)	218.751
Institutional Customers	-	Total Inside Usage (MG)	169.560
Industrial Customers	-	Total Wholesale Sold (MG)	0.268
Wholesale Customers	3	Estimated Pct. Water Loss	22%

Total Distribution System Line Length = 395.31 miles (Distribution: 395.31 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
WX21219024	Elkton - Water Storage Tank Improvements	3-5 Years	Not Funded	$200,000	Todd	37	5
WX21219018	Todd County Water District - KY Hwy 181 Upgrade	3-5 Years	Not Funded	$4,200,000	Todd		
WX21219028	Guthrie Industrial Park Waterline Extensions	0-2 Years	Not Funded	$2,400,000	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	$37.92 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	$56.88 per 4,000 gallons.	Total Connections	320
Residential Customers	307	Total Produced (MG)	-
Commercial Customers	13	Total Purchased (MG)	18.920
Institutional Customers	-	Total Inside Usage (MG)	17.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%

Total Distribution System Line Length = 14.50 miles (Distribution: 13.65 miles, Transmission: 0.85 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	27	3
WX21219034	Trenton - W.F. Ware Property: Water Extensions	0-2 Years	Not Funded	$65,500	Todd		

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 554.82 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: $14,075,401.
- 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 7,685 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	3	$4,843,401	59	5,800	55.00	-	-
Christian County Water District	1	$1,750,000	-	-	-	-	-
City of Cadiz	3	$7,482,000	-	1,885	-	2.00	-
Totals:	**7**	**$14,075,401**	**59**	**7,685**	**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	10,011	5,793
KY1110054	Cadiz Water & Sewer Commission	Trigg	3,940	1,818
		Totals:	13,951	7,611

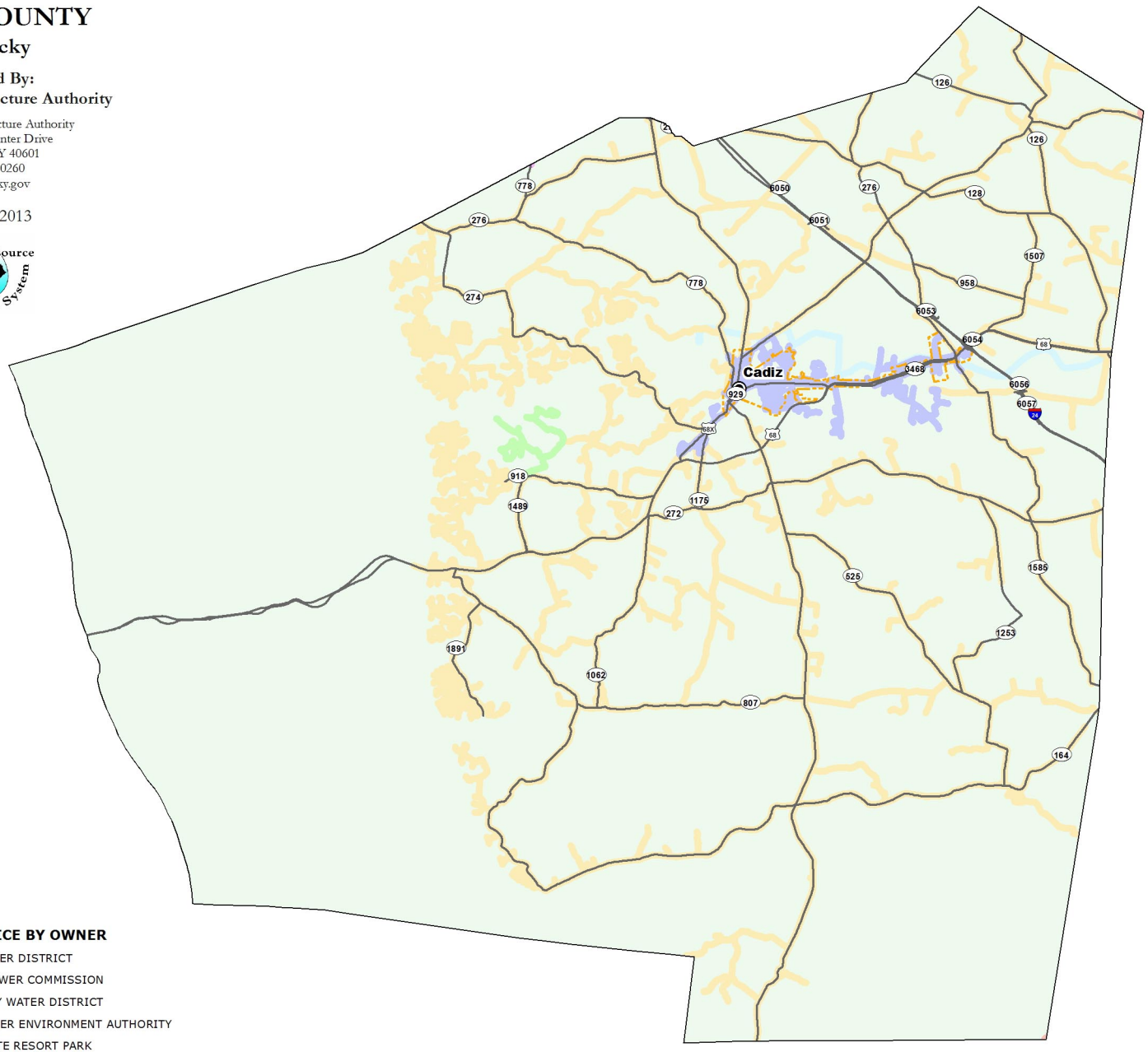
Kentucky Infrastructure Authority
February 19, 2016

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 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	17	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	5,955
Residential Customers	5,287	Total Produced (MG)	523.490
Commercial Customers	66	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	359.224
Industrial Customers	3	Total Wholesale Sold (MG)	80.011
Wholesale Customers	4	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 493.53 miles (Distribution: 493.21 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
WX21221014	Barkley Lake Water District - Sludge Storage Lagoon Improvements	3-5 Years	Not Funded	$349,901	Trigg	16	2
WX21221008	Barkley Lake Water District - Water Line Extension	3-5 Years	Not Funded	$3,850,000	Trigg	21	4
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	$643,500	Trigg	41	5

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	$26.23 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$35.12 per 4,000 gallons.	Total Connections	1,863
Residential Customers	1,576	Total Produced (MG)	227.870
Commercial Customers	235	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	164.942
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 55.33 miles (Distribution: 55.17 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
WX21221015	Cadiz Water Treatment Plant Project	0-2 Years	Not Funded	$5,562,500	Trigg	1	1
WX21221013	Cadiz - Line Rehabilitation - Will Jackson Road Hwy 778	3-5 Years	Not Funded	$962,500	Trigg	20	3
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	$643,500	Trigg	41	5
WX21221009	Cadiz - IGA Water Tank Replacement	3-5 Years	Not Funded	$957,000	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).
- 2,180.30 miles of existing water lines.
- 15.00 miles of line extensions proposed in the next 10 years.
- 476.00 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: $102,766,029.
- Estimated funding needs for projects from 6 to 10 years: $7,326,440.
- Average age of structures: water treatment plants is 35 years; water tanks is 39 years.
- Total number of interconnected systems is 20.
- 642 miles of asbestos concrete pipe currently in use.
- 258 miles of water lines less than 15 years old.
- 158 miles of water lines between 15 and 30 years old.
- 822 miles of water lines between 31 and 50 years old.
- 552 miles of water lines between 51 and 70 years old.
- 391 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 3,042 serviceable households will be added through the construction of 15.00 miles of water line extensions and approximately 34,858 instances of improved service through the rehabilitation of 476.00 miles of existing water lines and other appurtenances. 10.00 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	1,856	48%	$ 2,465,050
Calloway	37,191	18,065	40,411	17,019	12,195	68%	$ 6,190,100
Carlisle	5,104	2,441	4,947	2,093	951	39%	$ 11,889,978
Fulton	6,813	3,372	6,223	2,728	2,955	88%	$ 2,201,523
Graves	37,121	16,777	37,630	15,459	11,469	68%	$ 24,592,282
Hickman	4,902	2,342	4,625	1,938	904	39%	$ 410,176
McCracken	65,565	31,079	66,621	29,278	29,480	95%	$ 28,881,180
Marshall	31,448	15,748	33,023	14,122	14,275	91%	$ 33,462,180
Totals	**196,393**	**93,709**	**201,697**	**86,121**	**74,085**	**79%**	**$ 110,092,469**

Kentucky Infrastructure Authority
February 19, 2016

EXISTING & PROPOSED WATER LINES

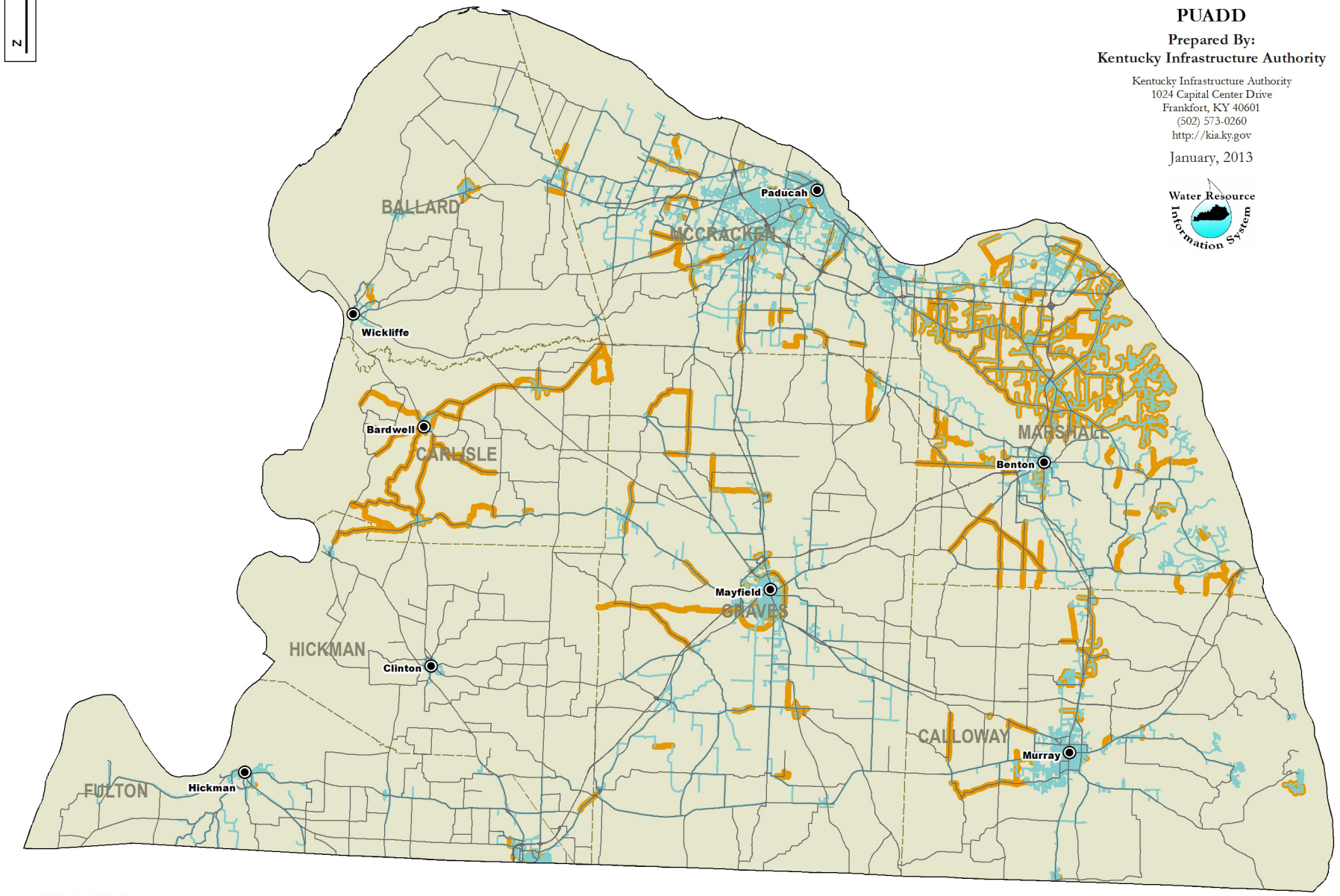
PUADD

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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	741	385
KY0040223	Kevil Water Department	Ballard	1,413	668
KY0040228	LaCenter Municipal Water Company	Ballard	1,065	499
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	2,128	922
KY0180308	Murray Water District #2	Calloway	725	331
KY0180306	Murray Water System	Calloway	21,763	10,301
KY0180185	South 641 Water District	Calloway	725	357
KY0180914	Stella Trailer Park	Calloway	45	23
KY0200009	Arlington Water Department	Carlisle	387	197
KY0200018	Bardwell City Utilities	Carlisle	796	430
KY0200095	Cunningham Water District	Carlisle	306	147
KY0200284	Milburn Water District	Carlisle	311	144
KY0380149	Fulton Municipal Water System	Fulton	3,283	1,763
KY0380193	Hickman Water Department	Fulton	2,867	1,298
KY0420084	Graves County Water District (Consumers)	Graves	4,882	2,133
KY0420027	Graves County Water District (Fancy Farm)	Graves	1,216	528
KY0420172	Graves County Water District (Hardeman)	Graves	873	405
KY0420194	Graves County Water District (Hickory)	Graves	3,303	1,503
KY0420534	Graves County Water District (Sedalia)	Graves	281	129
KY0420405	Graves County Water District (South Graves)	Graves	2,333	1,059
KY0420274	Mayfield Electric & Water System	Graves	10,710	5,015
KY0420423	Symsonia Water District	Graves	703	362
KY0420475	Wingo Water & Sewer Department	Graves	704	308
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	10,946	5,706
KY0730533	Paducah Water Works	McCracken	59,157	28,243
KY0730454	West McCracken County Water District	McCracken	3,757	1,622
		Totals:	154,736	74,051

Project Rankings For Purchase Area Development District

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	1	1
WX21035037	Clearwell at Water Treatment Plant	0-2 Years	Not Funded	$2,000,000	Calloway	2	1
WX21083016	Douthitt Street 6in Water Line Extension	0-2 Years	Not Funded	$68,135	Graves	3	1
WX21145014	West McCracken County Water District- Tank Mixers	3-5 Years	Not Funded	$65,000	McCracken	4	1
WX21083021	Water Line Extension to Wildwood Subdivision	0-2 Years	Not Funded	$296,270	Graves	5	2
			Total Cost:	**$3,684,905**			

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 58.08 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 425 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	-	57	-	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**	**-**	**425**	**-**	**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	741	385
KY0040223	Kevil Water Department	Ballard	1,036	506
KY0040228	LaCenter Municipal Water Company	Ballard	1,065	499
KY0040469	Wickliffe Municipal Water System	Ballard	1,001	466
		Totals:	3,843	1,856

Kentucky Infrastructure Authority
February 19, 2016

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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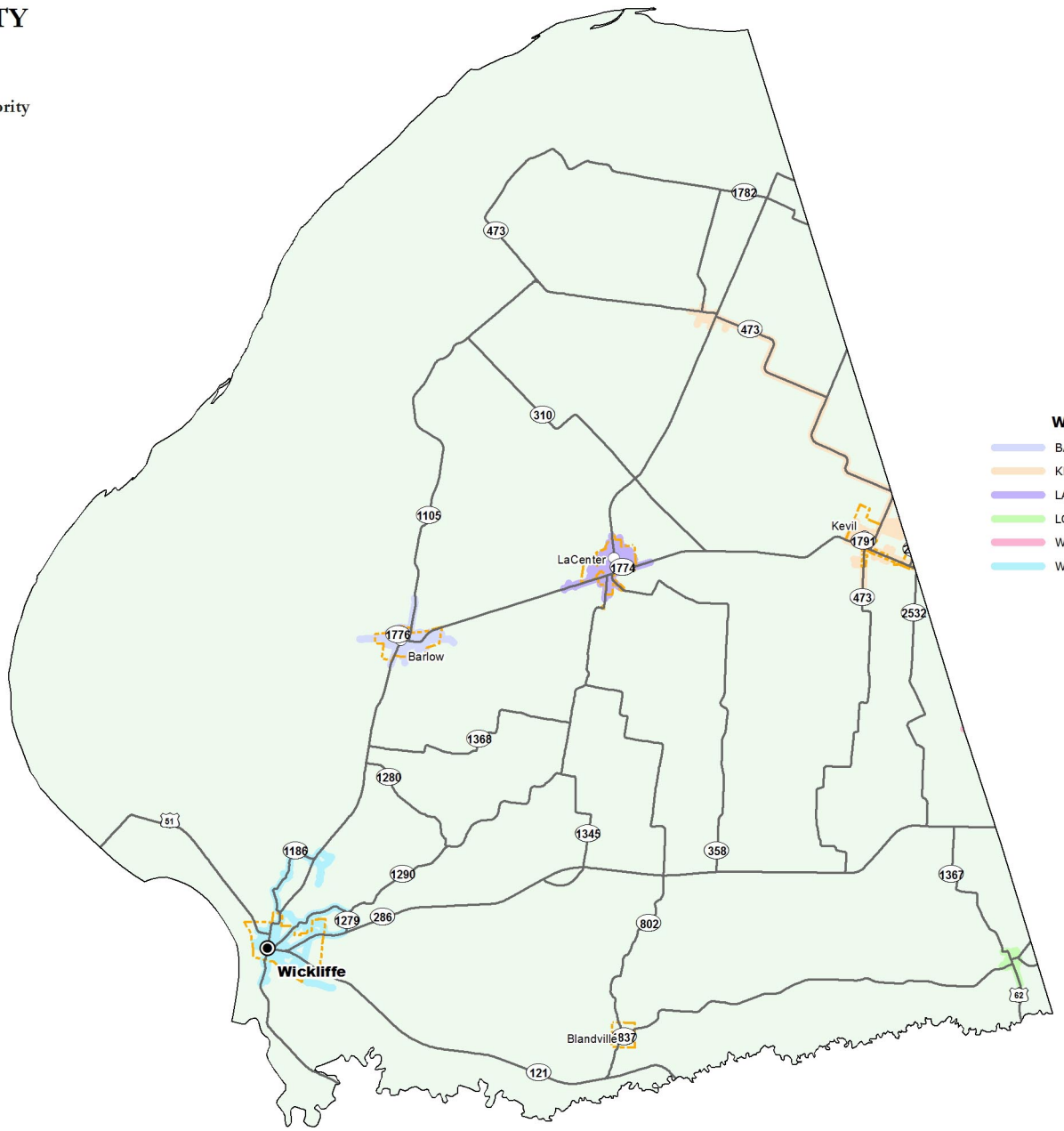
Water Resource Information System



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	343
Residential Customers	337	Total Produced (MG)	26.000
Commercial Customers	5	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	24.690
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%

Total Distribution System Line Length = 9.42 miles (Distribution: 9.40 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	614
Residential Customers	585	Total Produced (MG)	32.000
Commercial Customers	17	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	30.280
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 23.00 miles (Distribution: 22.73 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	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	$28.06 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	465
Residential Customers	389	Total Produced (MG)	43.800
Commercial Customers	75	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	14.315
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	67%

Total Distribution System Line Length = 11.80 miles (Distribution: 11.62 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
WX21007002	La Center Municipal Water- AC Line Replacement Phase II	3-5 Years	Not Funded	$250,000	Ballard		
WX21007005	La Center Municipal Water- AC Line Replacement Phase III	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		
WX21007023	LaCenter - Demolition of Water Tank	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	469
Residential Customers	450	Total Produced (MG)	115.824
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	8%
Total Distribution System Line Length = 19.07 miles (Distribution: 19.02 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 273.74 miles of existing water lines.
- 2.00 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: $3,815,000.
- 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 23 serviceable households will be added through the construction of 2.00 miles of water line extensions and approximately 877 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			
Center Ridge Water District	1	$660,000	-	199	-	4.00	-
City of Murray	2	$2,315,000	1	100	-	2.00	-
Dexter-Almo Heights Water District	5	$3,149,100	22	553	2.00	18.00	-
Stella Trailer Park	1	$66,000	-	25	-	-	-
Totals:	**9**	**$6,190,100**	**23**	**877**	**2.00**	**24.00**	**-**

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	2,126	920
KY0180308	Murray Water District #2	Calloway	725	331
KY0180306	Murray Water System	Calloway	21,763	10,301
KY0180185	South 641 Water District	Calloway	725	357
KY0180914	Stella Trailer Park	Calloway	45	23
KY0420084	Graves County Water District (Consumers)	Graves	61	29
		Totals:	25,684	12,193

Kentucky Infrastructure Authority
February 19, 2016

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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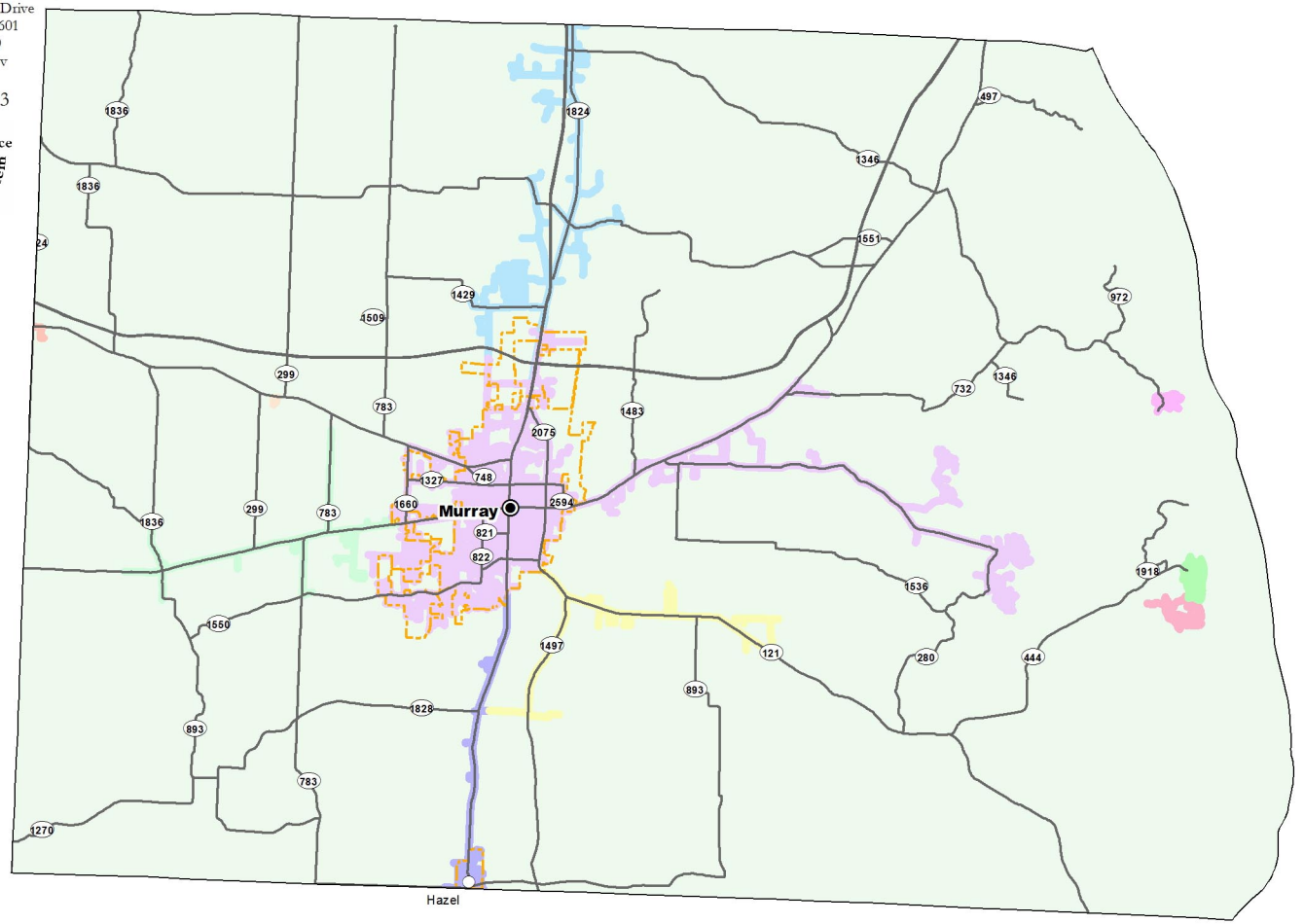
Water Resource Information System



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.

Project Summary (Top 18 Approved, 0-5 years) for Center Ridge #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035001	Center Ridge Water District #2 & #3 System Improvements.	3-5 Years	Not Funded	$660,000	Calloway		

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.

Project Summary (Top 18 Approved, 0-5 years) for Center Ridge #3

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035001	Center Ridge Water District #2 & #3 System Improvements.	3-5 Years	Not Funded	$660,000	Calloway		

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	780
Residential Customers	759	Total Produced (MG)	-
Commercial Customers	25	Total Purchased (MG)	45.539
Institutional Customers	-	Total Inside Usage (MG)	41.730
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 33.54 miles (Distribution: 33.39 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 = 15.34 miles (Distribution: 15.34 miles, Transmission: 0.00 miles).

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

There are no immediate projects for Murray Water District #2

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	16	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	$10.78 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$19.94 per 4,000 gallons.	Total Connections	9,090
Residential Customers	7,719	Total Produced (MG)	1,450.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	1,355	Total Inside Usage (MG)	1,227.425
Industrial Customers	12	Total Wholesale Sold (MG)	87.835
Wholesale Customers	3	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 199.37 miles (Distribution: 198.40 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
WX21035037	Clearwell at Water Treatment Plant	0-2 Years	Not Funded	$2,000,000	Calloway	2	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 = 12.60 miles (Distribution: 12.60 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 39% serviceable.
- Projected 2020 population of 4,947 (change of -157).
- Carlisle County has 37.16 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 39 percent of the county's households based on 2010 census counts. Over the next ten years approximately 186 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 1,925 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	-	737	-	14.00	2.00
City of Bardwell	7	$2,827,006	30	749	-	33.00	-
Cunningham Water District	3	$2,920,000	137	153	10.00	5.00	-
Milburn Water District	4	$2,800,000	19	286	3.00	9.00	-
Totals:	**20**	**$11,889,978**	**186**	**1,925**	**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	796	430
KY0200095	Cunningham Water District	Carlisle	306	147
KY0200284	Milburn Water District	Carlisle	311	144
KY0420027	Graves County Water District (Fancy Farm)	Graves	85	33
		Totals:	1,885	951

Kentucky Infrastructure Authority
February 19, 2016

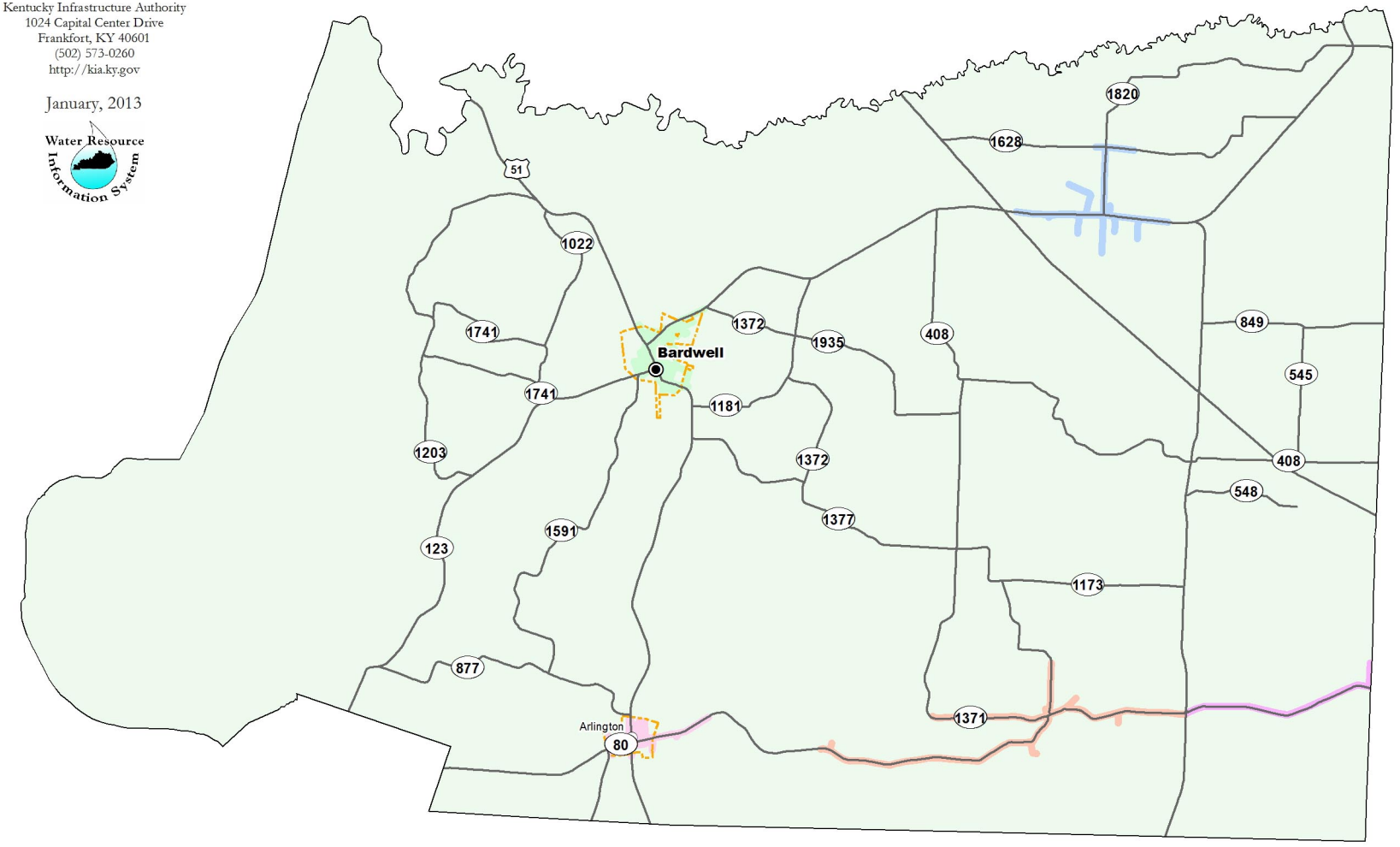
WATER SERVICE AREAS
CARLISLE COUNTY
Kentucky

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



WATER SERVICE BY OWNER

- ARLINGTON WATER DEPARTMENT
- BARDWELL CITY UTILITIES
- CUNNINGHAM WATER DISTRICT
- GRAVES COUNTY WATER DISTRICT (FANCY FARM)
- MILBURN WATER DISTRICT

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	$19.27 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	181
Residential Customers	162	Total Produced (MG)	10.000
Commercial Customers	19	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	9.350
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%

Total Distribution System Line Length = 4.97 miles (Distribution: 4.93 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
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		
WX21039032	City of Arlington- Water Tank Mixing System	3-5 Years	Not Funded	$40,000	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	432
Residential Customers	364	Total Produced (MG)	30.150
Commercial Customers	68	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	18.360
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	39%

Total Distribution System Line Length = 13.42 miles (Distribution: 12.54 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
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		
WX21039021	City of Bardwell-Well Relocation	3-5 Years	Not Funded	$300,000	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	1	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	160
Residential Customers	148	Total Produced (MG)	9.005
Commercial Customers	10	Total Purchased (MG)	-
Institutional Customers	2	Total Inside Usage (MG)	7.993
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 6.20 miles (Distribution: 6.16 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	1	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	138
Residential Customers	136	Total Produced (MG)	-
Commercial Customers	3	Total Purchased (MG)	7.269
Institutional Customers	-	Total Inside Usage (MG)	6.095
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 9.34 miles (Distribution: 9.34 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		
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 138.60 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: $2,201,523.
- 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 2,500 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	4	$1,115,523	2,500	1,358	-	-	-
Totals:	**6**	**$2,201,523**	**2,500**	**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	2,867	1,298
		Totals:	5,957	2,955

Kentucky Infrastructure Authority
February 19, 2016

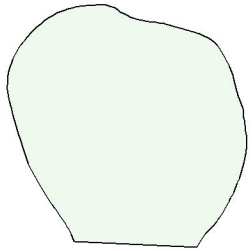
WATER SERVICE AREAS
FULTON COUNTY
Kentucky

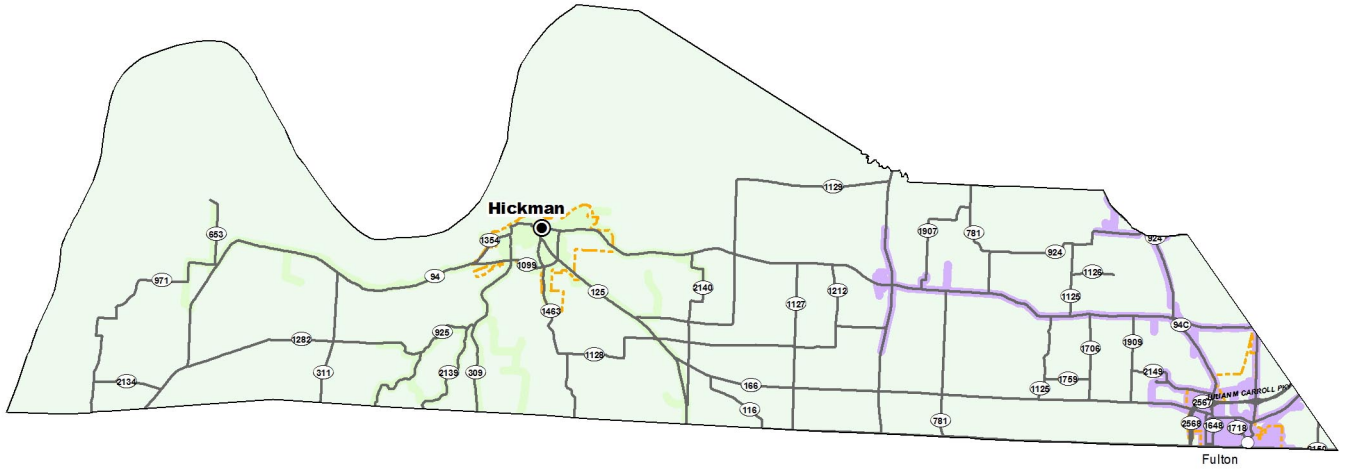
Prepared By:
Kentucky Infrastructure Authority

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

- FULTON MUNICIPAL WATER SYSTEM
- HICKMAN WATER DEPARTMENT

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	$19.45 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	$41.14 per 4,000 gallons.	Total Connections	1,758
Residential Customers	1,622	Total Produced (MG)	215.500
Commercial Customers	130	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	177.125
Industrial Customers	6	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	18%

Total Distribution System Line Length = 78.57 miles (Distribution: 78.51 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
WX21075007	Fulton Municipal Water System-Line Replacement	0-2 Years	Partially Funded	$700,000	Fulton		
WX21075002	Fulton Municipal Water-Demolition of Old Clear Well & Degasifier	3-5 Years	Not Funded	$386,000	Fulton		
WX21075003	Fulton Municipal to South Graves Interconnect	6-10 Years	Not Funded	$65,572	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)	279.970
Commercial Customers	186	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	250.472
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 70.05 miles (Distribution: 69.88 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
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 68% serviceable.
- Projected 2020 population of 37,630 (change of 509).
- Graves County has 397.84 miles of existing water lines.
- There are no 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: $24,209,666.
- 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 68 percent of the county's households based on 2010 census counts. Over the next ten years approximately 94 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 6,587 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 Wingo	1	$300,000	-	313	-	-	-
Graves County Water District	7	$1,587,564	19	156	-	8.00	-
Hickory Water District	10	$2,423,000	74	243	-	17.00	-
Mayfield Electric & Water Systems	25	$19,372,449	1	5,487	-	24.00	-
Sedalia Water District	2	$510,000	-	272	-	3.00	-
Symsonia Water District	1	$333,697	-	111	-	4.00	-
Totals:	**47**	**$24,592,282**	**94**	**6,587**	**-**	**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	4,821	2,104
KY0420027	Graves County Water District (Fancy Farm)	Graves	1,131	495
KY0420172	Graves County Water District (Hardeman)	Graves	873	405
KY0420194	Graves County Water District (Hickory)	Graves	3,303	1,503
KY0420534	Graves County Water District (Sedalia)	Graves	281	129
KY0420405	Graves County Water District (South Graves)	Graves	2,333	1,059
KY0420274	Mayfield Electric & Water System	Graves	10,710	5,015
KY0420423	Symsonia Water District	Graves	701	361
KY0420475	Wingo Water & Sewer Department	Graves	704	308
KY0730533	Paducah Water Works	McCracken	200	86
		Totals:	25,057	11,465

Kentucky Infrastructure Authority
February 19, 2016

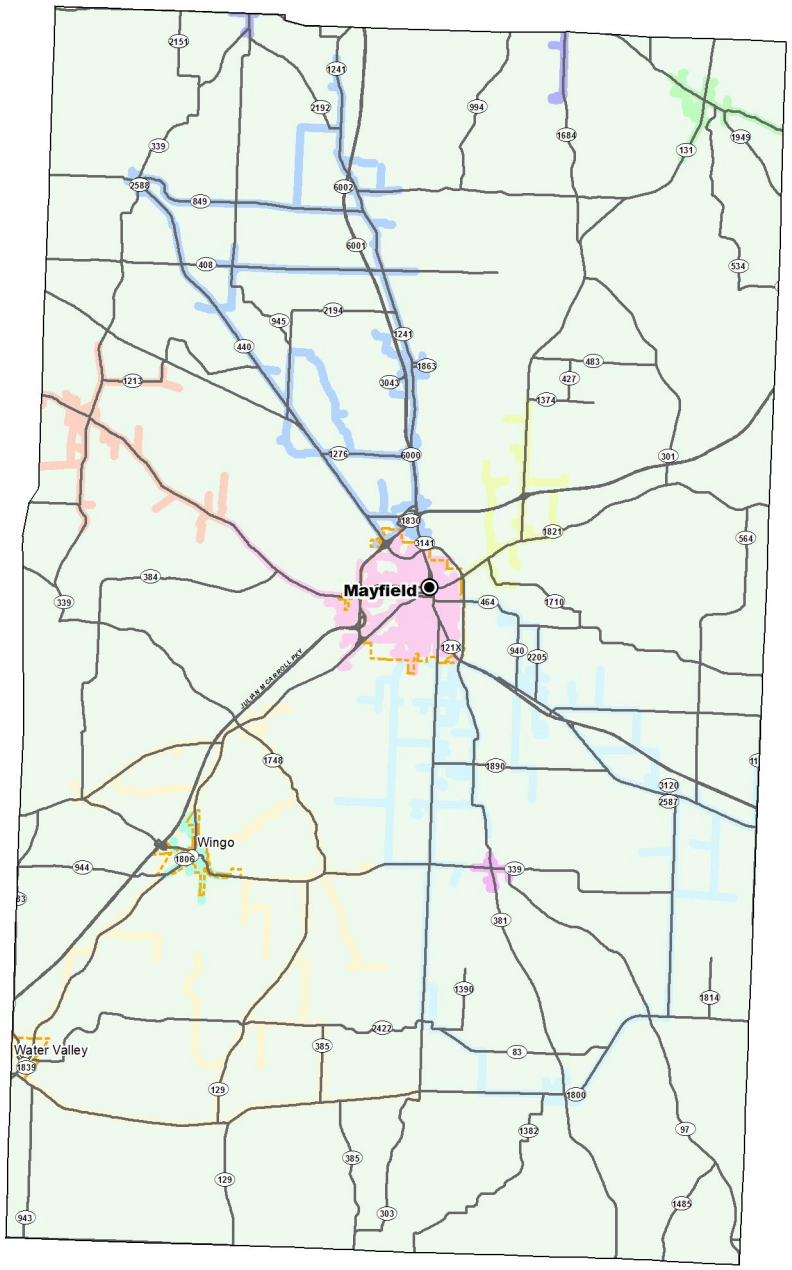
WATER SERVICE AREAS
GRAVES COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

January, 2013

Water Resource Information System



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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	1,719
Residential Customers	1,663	Total Produced (MG)	-
Commercial Customers	56	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	102.900
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	
Total Distribution System Line Length = 94.60 miles (Distribution: 94.46 miles, Transmission: 0.15 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	418
Residential Customers	399	Total Produced (MG)	42.420
Commercial Customers	26	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	27.300
Industrial Customers	-	Total Wholesale Sold (MG)	7.269
Wholesale Customers	1	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 26.79 miles (Distribution: 26.75 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)	32.280
Commercial Customers	16	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	28.592
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	11%

Total Distribution System Line Length = 15.64 miles (Distribution: 14.66 miles, Transmission: 0.98 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	1,362
Residential Customers	1,158	Total Produced (MG)	146.000
Commercial Customers	186	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	121.168
Industrial Customers	16	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 67.89 miles (Distribution: 67.72 miles, Transmission: 0.18 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	136
Residential Customers	126	Total Produced (MG)	8.884
Commercial Customers	6	Total Purchased (MG)	-
Institutional Customers	4	Total Inside Usage (MG)	7.452
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 3.03 miles (Distribution: 3.01 miles, Transmission: 0.02 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	664
Residential Customers	628	Total Produced (MG)	56.432
Commercial Customers	36	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	36.859
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	35%
Total Distribution System Line Length = 73.66 miles (Distribution: 73.61 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	$28.09 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$28.09 per 4,000 gallons.	Total Connections	5,010
Residential Customers	4,318	Total Produced (MG)	725.000
Commercial Customers	690	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	662.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	2	Estimated Pct. Water Loss	9%

Total Distribution System Line Length = 96.77 miles (Distribution: 96.65 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
WX21083016	Douthitt Street 6in Water Line Extension	0-2 Years	Not Funded	$68,135	Graves	3	1
WX21083021	Water Line Extension to Wildwood Subdivision	0-2 Years	Not Funded	$296,270	Graves	5	2
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		
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	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	5	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	319
Residential Customers	301	Total Produced (MG)	18.360
Commercial Customers	17	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	16.973
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	8%

Total Distribution System Line Length = 9.94 miles (Distribution: 9.90 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	$24.40 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	$24.40 per 4,000 gallons.	Total Connections	302
Residential Customers	281	Total Produced (MG)	18.061
Commercial Customers	21	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	15.206
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 9.13 miles (Distribution: 8.90 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 29.78 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	103
		Totals:	1,891	904

Kentucky Infrastructure Authority
February 19, 2016

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

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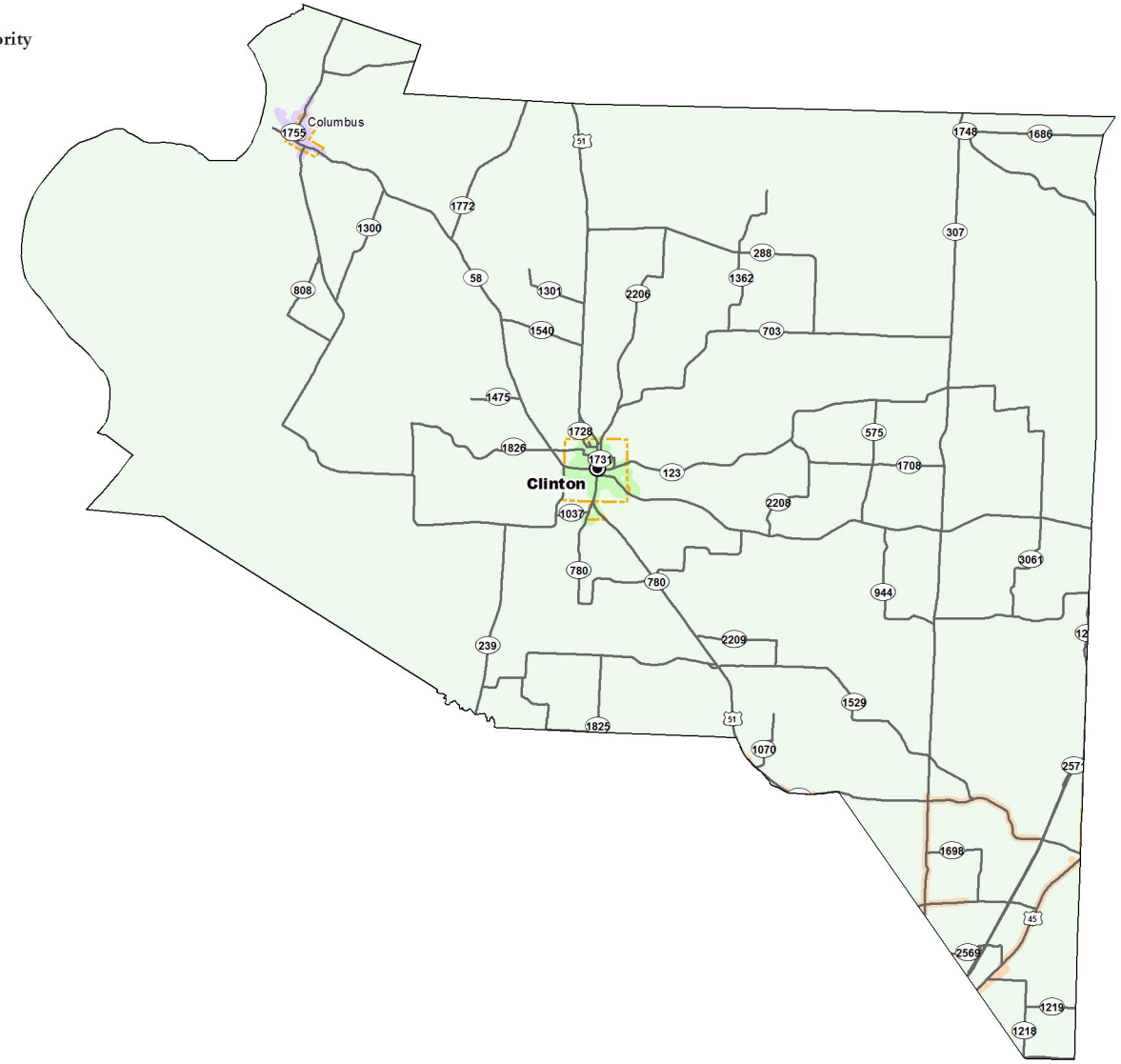


WATER SERVICE BY OWNER

- 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	81
Residential Customers	79	Total Produced (MG)	9.000
Commercial Customers	2	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	8.433
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 5.39 miles (Distribution: 4.31 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	2	Wholesale Purchaser	No
Non-Municipal Cost	$32.36 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	681
Residential Customers	597	Total Produced (MG)	39.000
Commercial Customers	84	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	36.840
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 14.63 miles (Distribution: 14.57 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 670.84 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 38.00 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: $28,881,180.
- 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 8,354 instances of improved service through the rehabilitation of 38.00 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 Kevil	2	$570,000	-	65	-	3.00	-
North Marshall Water District	1	$9,790,000	-	3	-	-	-
Paducah Water Works	37	$17,161,180	107	5,369	-	30.00	5.00
West McCracken County Water District	4	$1,360,000	4	2,917	-	5.00	-
Totals:	**44**	**$28,881,180**	**111**	**8,354**	**-**	**38.00**	**5.00**

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	57,871	27,693
KY0730454	West McCracken County Water District	McCracken	3,756	1,622
KY0040223	Kevil Water Department	Ballard	377	162
		Totals:	62,004	29,477

Kentucky Infrastructure Authority
February 19, 2016

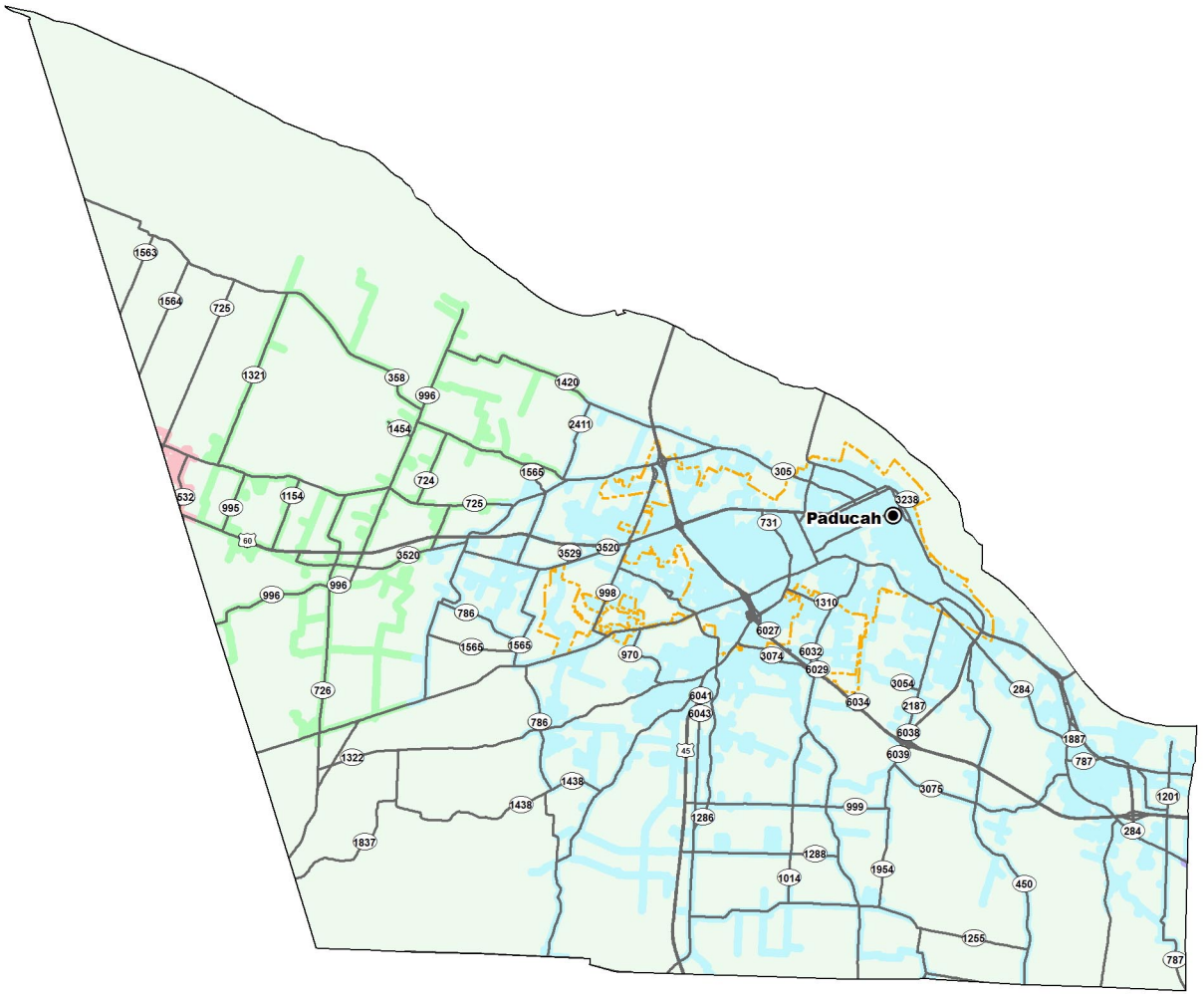
WATER SERVICE AREAS
MCCRACKEN COUNTY
Kentucky

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



WATER SERVICE BY OWNER

- KEVIL WATER DEPARTMENT
- NORTH MARSHALL WATER DISTRICT
- PADUCAH WATER WORKS
- WEST MCCRACKEN COUNTY WATER DISTRICT

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	Municipal Utility Board or Commission	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	$16.40 per 4,000 gallons.	Storage Capacity	Yes, 10 tanks with total capacity of 10.000 MG.
Outside Mun. Cost	$16.40 per 4,000 gallons.	Total Connections	26,602
Residential Customers	23,829	Total Produced (MG)	2,494.868
Commercial Customers	2,773	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,548.196
Industrial Customers	-	Total Wholesale Sold (MG)	172.686
Wholesale Customers	3	Estimated Pct. Water Loss	-9%

Total Distribution System Line Length = 603.14 miles (Distribution: 538.29 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
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		
WX21145037	Paducah Water-U.S. 45 Improvements Phase II & III	3-5 Years	Not Funded	$162,000	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	$21.28 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	1,499
Residential Customers	1,426	Total Produced (MG)	-
Commercial Customers	72	Total Purchased (MG)	172.686
Institutional Customers	-	Total Inside Usage (MG)	137.344
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 84.23 miles (Distribution: 77.09 miles, Transmission: 7.14 miles).			

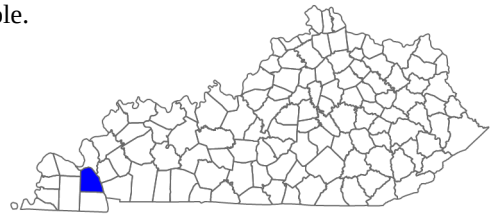
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21145014	West McCracken County Water District- Tank Mixers	3-5 Years	Not Funded	$65,000	McCracken	4	1
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		

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 574.26 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 282.00 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: $32,877,180.
- 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 0.00 miles of water line extensions and approximately 13,675 instances of improved service through the rehabilitation of 282.00 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	-	1,071	-	4.00	-
City of Calvert City	15	$20,155,292	64	6,266	-	14.00	-
Jonathan Creek Water District	5	$1,294,388	25	421	-	18.00	-
Marshall County Fiscal Court	1	$382,000	39	212	-	8.00	-
North Marshall Water District	1	$9,790,000	-	5,705	-	238.00	3.00
Totals:	**25**	**$33,462,180**	**128**	**13,675**	**-**	**282.00**	**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	10,940	5,703
KY0730533	Paducah Water Works	McCracken	1,086	464
		Totals:	28,393	14,238

Kentucky Infrastructure Authority
February 19, 2016

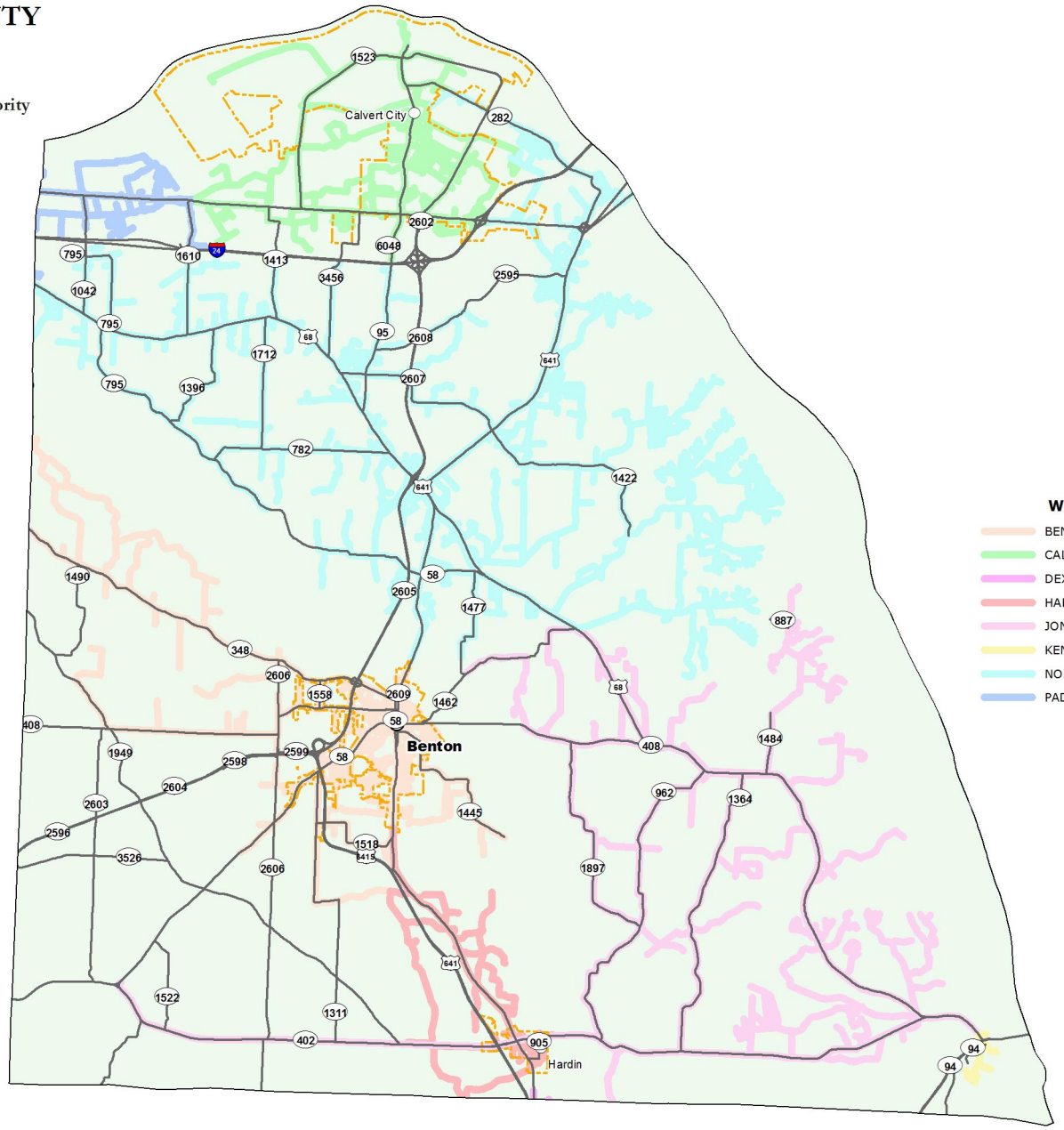
WATER SERVICE AREAS
MARSHALL COUNTY
Kentucky

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

N

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	$24.00 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	2,950
Residential Customers	2,650	Total Produced (MG)	351.109
Commercial Customers	300	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	217.159
Industrial Customers	-	Total Wholesale Sold (MG)	53.170
Wholesale Customers	3	Estimated Pct. Water Loss	23%
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	1	1
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	$13.80 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	$20.80 per 4,000 gallons.	Total Connections	1,527
Residential Customers	1,264	Total Produced (MG)	470.000
Commercial Customers	244	Total Purchased (MG)	-
Institutional Customers	2	Total Inside Usage (MG)	396.000
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		
WX21157017	Calvert Heights Water Main Replacement Project Phase III	0-2 Years	Not Funded	$661,000	Marshall		
WX21157041	City of Calvert City-Meter Replacement Program	0-2 Years	Not Funded	$600,000	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	4	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	601
Residential Customers	582	Total Produced (MG)	-
Commercial Customers	19	Total Purchased (MG)	53.170
Institutional Customers	-	Total Inside Usage (MG)	44.750
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%

Total Distribution System Line Length = 29.45 miles (Distribution: 29.45 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	1	1

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	4	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	2,390
Residential Customers	2,279	Total Produced (MG)	158.000
Commercial Customers	111	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	130.920
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%

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	$26.50 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	5,536
Residential Customers	5,231	Total Produced (MG)	442.936
Commercial Customers	238	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	410.679
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	3	Estimated Pct. Water Loss	7%

Total Distribution System Line Length = 233.96 miles (Distribution: 231.13 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
WX21157011	North Marshall Water District- Line Replacement & New Tank	3-5 Years	Not Funded	$9,790,000	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