

Kentucky Water Management Plan

Kentucky Infrastructure Authority

Executive Summary

WX21017075



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April, 2014

Kentucky
Infrastructure
Authority
Office of the Governor

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Water Management Plan Data Sources

The information contained in this report was acquired from several sources: U.S. Census Bureau's 2010 Census Data, the Division of Water's Safe Drinking Water Information System (SDWIS), the Environmental Protection Agency's Integrated Compliance Information System (ICIS), and the Kentucky Infrastructure Authority's Water Resource Information System (WRIS) Project Profile and System Data. Most importantly, all of the system data and project information originated with the public water and wastewater systems within this report. The information is either self reported by the public water and wastewater systems to the Area Development District Water Management Planners in a semiannual system visit, or a spatial analysis of reported information by the Kentucky Infrastructure Authority's WRIS Team.

As with any report that aggregates, interpolates, and/or extrapolates information, inconsistencies in the data will arise. However, every effort has been made to minimize the amount of inconsistent data. Please find below the explanations for several of the data sources cited in this report.

Serviceability Index – The Serviceable Population and Percent Serviceable information found in State and County Summary pages is derived from a spatial analysis of mapped service lines of public water and wastewater systems and the census blocks from the U.S. Census Bureau. The census blocks are buffered by 250 feet in order to capture a service line that may be able to serve a portion of the census block.

A census block smaller than 10 acres is considered to be fully served if a service line falls within the census block or its buffer zone of 250 feet. If a census block is considered to be fully serviced, then 100% of the census block's population and household count is allocated to the public water or wastewater system that owns the service lines within the given census block.

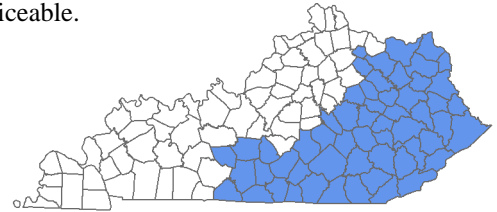
For a census block larger than 10 acres, an analysis is conducted comparing the ratio of service lines to road centerlines within a given census block. Once the ratio of distribution service line to road centerline is calculated, the ratio is used to allocate a portion of the census block's population and household count to the public water or wastewater system that owns the service lines within the given census block. If the ratio exceeds 75% of service line to road centerline, the census block is considered to be fully serviced. For any ratio smaller than 75%, the ratio is used to allocate only a portion of the census block's population and household count to the public water or wastewater system that owns the service lines located within the census block.

Project Summary –A summary of a public water and wastewater system's projects is provided at the bottom of their System Summary page. Only projects that have been approved by the Area Water Management Council and are in need of funding have been annotated in the summary. For more information on a project, please visit www.wris.ky.gov.

Estimated Percentage Water Loss – The estimated percentage water loss for each system is provided in the system's summary. This figure is an estimate calculated by dividing the amount of water provided to their customers by the system's production and/or purchase values. This information is reported to the Water Management Planners at the ADD on an annual basis. For specific system data, please visit www.wris.ky.gov.

SOAR Study Area

- 2010 census population of 1,246,407 (568,374 households) with 95% serviceable.
- Projected 2020 population of 1,283,591 (change of 37,184).
- 26,255.63 miles of existing water lines.
- 1072.00 miles of line extensions proposed in the next 10 years.
- 362.00 miles of line rehabilitation proposed in the next 10 years.
- 194.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$576,268,540.
- Estimated funding needs for projects from 6 to 10 years: \$80,599,612.



SOAR Study Area has a 2010 census population count of 1,246,407 (568,374 households) with a projected 2020 population count of 1,283,591 (526,666 households). Public water is currently available to approximately 95 percent of the study area's households based on 2010 census counts. Over the next ten years approximately 31,615 serviceable households will be added through the construction of 1,072.00 miles of water line extensions and approximately 745,462 instances of improved service through the rehabilitation of 362.00 miles of existing water lines and other appurtenances. 194.00 miles of transmission lines are also proposed within the SOAR study area.

County Summary for SOAR Study Area

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	7,698	90%	\$ 17,932,215
Allen	19,956	9,307	22,366	9,171	9,029	97%	\$ 4,030,970
Barren	42,173	19,188	46,361	19,245	19,086	100%	\$ 13,064,000
Bath	11,591	5,405	12,132	5,006	5,154	95%	\$ 4,260,070
Bell	28,691	13,154	27,648	11,714	12,853	98%	\$ 11,568,978
Boyd	49,542	21,803	49,446	20,040	21,737	100%	\$ 5,970,000
Breathitt	13,878	6,231	12,495	5,046	5,005	80%	\$ 20,095,596
Carter	27,720	12,311	28,459	11,508	11,572	94%	\$ 6,445,000
Casey	15,955	7,487	16,433	6,791	7,305	98%	\$ 8,119,000
Clark	35,613	15,706	37,985	15,800	15,486	99%	\$ 69,891,655
Clay	21,730	8,875	20,289	7,421	8,355	94%	\$ 10,560,200
Clinton	10,272	5,311	10,896	4,755	5,166	97%	\$ 5,122,700
Cumberland	6,856	3,690	6,649	2,840	3,482	94%	\$ 4,954,000
Edmonson	12,161	6,467	12,628	5,283	6,380	99%	\$ 4,675,203
Elliott	7,852	3,371	8,078	3,011	3,068	91%	-
Estill	14,672	6,865	14,359	6,115	6,660	97%	\$ 5,217,950
Fleming	14,348	6,623	14,880	6,231	6,501	98%	\$ 7,835,000
Floyd	39,451	18,175	37,153	15,594	17,475	96%	\$ 15,924,195
Garrard	16,912	7,463	19,122	7,917	7,343	98%	\$ 744,010
Green	11,258	5,324	11,112	4,660	5,201	98%	\$ 13,805,900
Greenup	36,910	16,330	36,923	15,046	15,114	93%	\$ 15,266,398
Harlan	29,278	13,513	26,099	10,856	12,811	95%	\$ 5,712,809
Hart	18,199	8,559	18,690	7,604	8,442	99%	\$ 24,036,783
Jackson	13,494	6,523	13,771	5,961	6,101	94%	\$ 5,990,246
Johnson	23,356	10,624	23,265	9,647	9,858	93%	\$ 551,978
Knott	16,346	7,461	15,635	6,332	6,026	81%	\$ 23,609,823
Knox	31,883	14,485	32,132	13,362	14,145	98%	\$ 9,399,150
Laurel	58,849	25,446	64,713	26,415	25,255	99%	\$ 25,517,076



Lawrence	15,860	7,286	16,192	6,647	6,605	91%	\$ 2,900,200
Lee	7,887	3,436	7,820	3,014	3,131	91%	\$ 2,546,936
Leslie	11,310	5,278	10,603	4,377	4,291	81%	\$ 4,287,900
Letcher	24,519	11,601	24,237	10,161	7,749	67%	\$ 28,622,388
Lewis	13,870	6,481	13,899	5,717	6,149	95%	\$ 7,896,000
Lincoln	24,742	10,819	26,170	10,762	10,566	98%	\$ 7,947,631
McCreary	18,306	7,507	18,314	6,819	6,268	84%	\$ 25,822,727
Madison	82,916	35,043	95,333	38,093	34,783	99%	\$ 29,064,457
Magoffin	13,333	5,950	13,587	5,696	5,770	97%	\$ 13,075,150
Martin	12,929	5,164	12,055	4,410	5,085	99%	\$ 1,374,478
Menifee	6,306	3,744	6,038	2,422	3,487	93%	\$ 1,698,150
Metcalfe	10,099	4,681	10,329	4,306	4,503	96%	\$ 5,736,207
Monroe	10,963	5,204	10,405	4,423	5,065	97%	\$ 38,013,200
Montgomery	26,499	11,699	30,750	12,483	11,657	100%	\$ 8,000,445
Morgan	13,923	5,830	14,023	5,126	4,724	81%	\$ 2,447,000
Nicholas	7,135	3,261	7,411	3,012	3,157	97%	\$ 8,722,150
Owsley	4,755	2,328	4,704	1,971	2,211	95%	\$ 9,798,960
Perry	28,712	12,791	28,137	11,637	11,264	88%	\$ 21,831,089
Pike	65,024	30,304	61,991	26,357	27,599	91%	\$ 10,591,653
Powell	12,613	5,598	12,319	4,860	5,484	98%	\$ 3,161,311
Pulaski	63,063	31,443	71,036	29,901	30,540	97%	\$ 34,994,194
Robertson	2,282	1,095	2,364	965	1,081	99%	\$ 2,185,000
Rockcastle	17,056	7,703	17,593	7,308	7,425	96%	\$ 5,368,076
Rowan	23,333	10,102	24,708	9,546	9,711	96%	\$ 3,782,400
Russell	17,565	9,993	18,782	8,112	9,729	97%	\$ 5,585,885
Wayne	20,813	10,942	22,128	9,686	9,748	89%	\$ 15,273,500
Whitley	35,637	15,166	35,256	14,048	14,589	96%	\$ 12,208,127
Wolfe	7,355	3,660	7,636	3,285	3,117	85%	\$ 3,632,033
Totals	1,246,407	568,374	1,283,591	526,666	537,796	95%	\$ 656,868,152

Percent of Households Serviceable by Public Water Systems in 2010

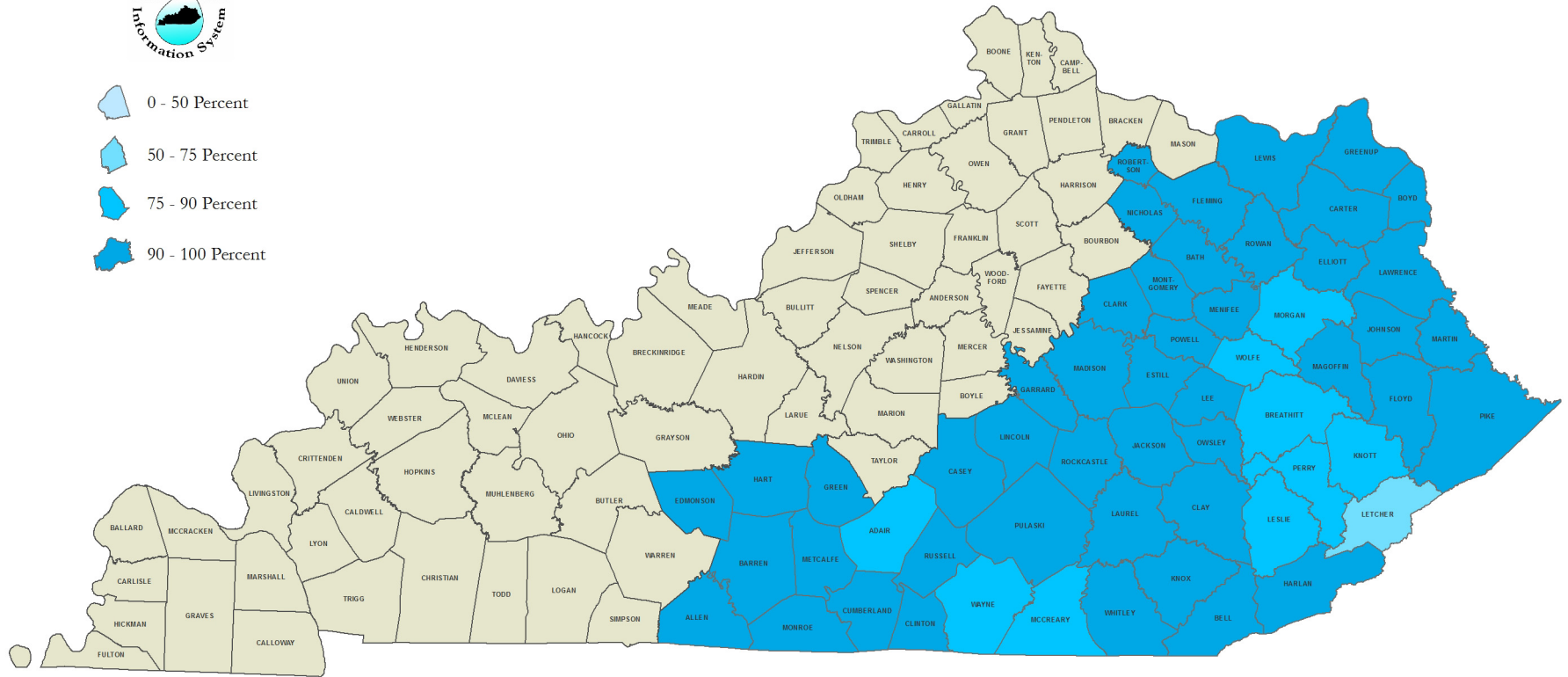
Prepared By:
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April, 2014



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





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

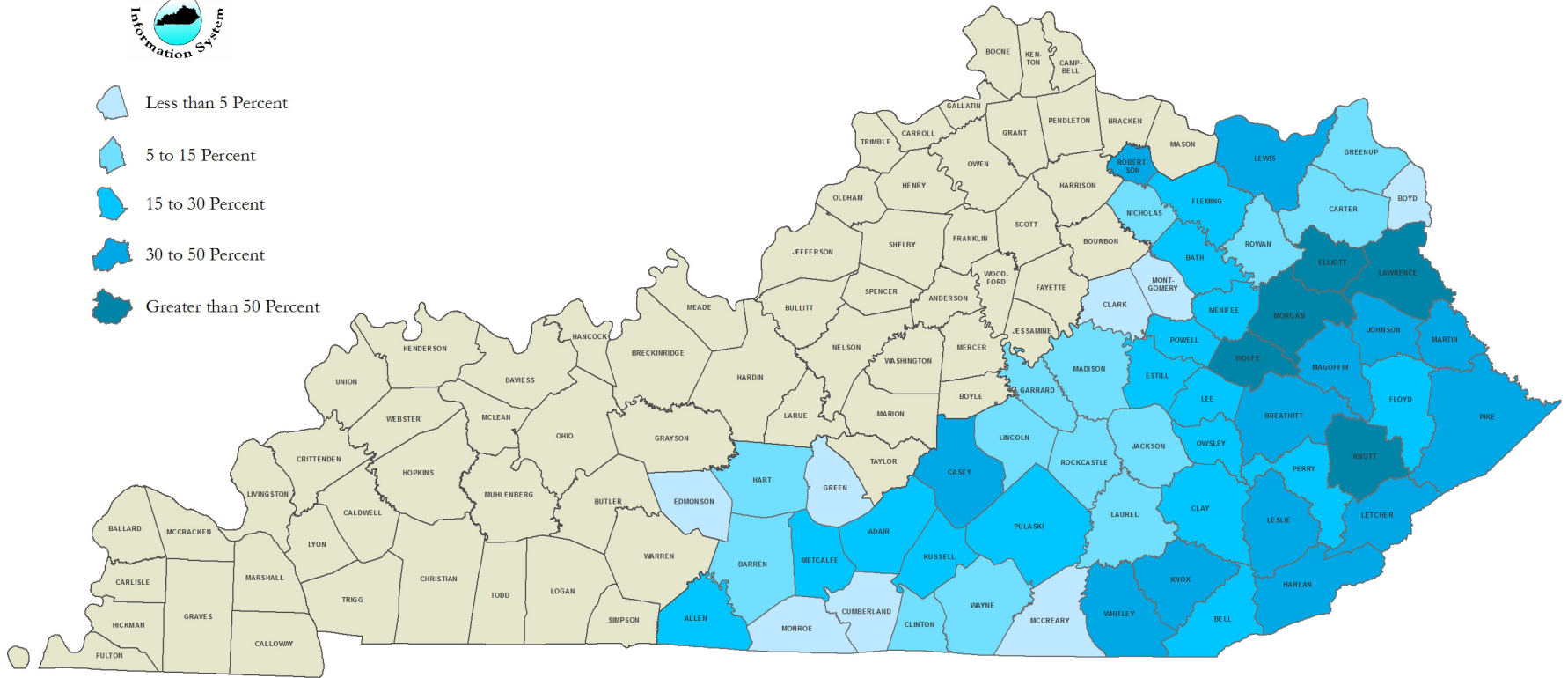
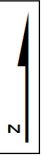
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- Less than 5 Percent
- 5 to 15 Percent
- 15 to 30 Percent
- 30 to 50 Percent
- Greater than 50 Percent



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1090060	Campbellsville Municipal Water & Sewer System	Adair	82	37
KY0010702	Columbia/Adair Utilities District	Adair	16,627	7,563
KY0230556	East Casey County Water District	Adair	50	14
KY1040210	Jamestown Utilities	Adair	144	76
KY0020956	Allen County Water District	Allen	13,533	6,115
KY0860141	Fountain Run Water District #1	Allen	279	143
KY0050929	Glasgow Water Company	Allen	156	164
KY0020386	Scottsville Water Department	Allen	4,921	2,371
KY1070398	Simpson County Water District	Allen	308	148
KY1140487	Warren County Water District	Allen	223	88
KY0050490	Cave City Water System	Barren	2,621	1,292
KY0050344	Caveland Environmental Authority	Barren	587	280
KY0850115	Edmonton Water Works	Barren	31	11
KY0860141	Fountain Run Water District #1	Barren	68	42
KY0050929	Glasgow Water Company	Barren	36,426	16,489
KY0500166	Green River Valley Water District	Barren	2,146	950
KY0060022	Bath County Water District	Bath	6,902	3,165
KY0830148	Frenchburg Water and Sewer	Bath	208	97
KY0870147	Judy Water Association	Bath	123	43
KY0060338	Owingsville Water and Sewer	Bath	1,913	958
KY0060392	Sharpsburg Water District	Bath	1,890	884
KY0610110	Knox County Utility Commission	Bell	355	158
KY0070353	Pineville Water System	Bell	15,380	6,958
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0100011	Ashland Water Department	Boyd	35,691	16,084
KY0100944	Big Sandy Water District	Boyd	4,561	1,836
KY0100064	Cannonsburg Water District	Boyd	8,476	3,514
KY0100004	Overland Development	Boyd	269	104
KY0450376	Russell Water Department	Boyd	401	188
KY0650024	Beattyville Water Works	Breathitt	129	58
KY0131012	Breathitt County Water District	Breathitt	5,944	2,636
KY0130208	Jackson Municipal Water Works	Breathitt	4,845	2,231
KY0971007	Village of Buckhorn	Breathitt	151	60
KY0100944	Big Sandy Water District	Carter	1,968	844
KY0220164	Grayson Water Department	Carter	10,448	4,434
KY0220335	Olive Hill Water Department	Carter	5,021	2,366
KY0220555	Rattlesnake Ridge Water District	Carter	6,775	3,071
KY1030375	Rowan Water, Inc	Carter	1,823	831
KY0680438	Vanceburg Water	Carter	35	18
KY1090060	Campbellsville Municipal Water & Sewer System	Casey	67	32
KY0230556	East Casey County Water District	Casey	11,956	5,705
KY1000124	Eubank Water System	Casey	1,125	493
KY0230987	Liberty Water & Gas	Casey	2,298	1,002
KY0110345	Parksville Water District	Casey	81	43
KY0250981	East Clark County Water District	Clark	6,141	2,658



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0870147	Judy Water Association	Clark	449	181
KY0340250	Kentucky-American Water Company	Clark	3,283	1,474
KY0870367	Reid Village Water District	Clark	115	45
KY0250473	Winchester Municipal Utilities	Clark	25,165	11,123
KY0950036	Booneville Water and Sewer	Clay	22	11
KY0630797	East Laurel Water District	Clay	795	356
KY0660204	Hyden Leslie Co Water District	Clay	30	19
KY0550209	Jackson County Water Association Inc	Clay	30	15
KY0260737	Manchester Water Works	Clay	13,162	5,687
KY0260266	North Manchester Water Association Inc	Clay	6,629	2,267
KY0270003	Albany Municipal Water & Sewer	Clinton	9,889	5,104
KY0290271	Cumberland County Water District	Clinton	92	47
KY1160291	Monticello Utility Commission	Clinton	30	14
KY0290049	Burkesville Municipal Water Works	Cumberland	1,912	952
KY0290271	Cumberland County Water District	Cumberland	4,478	2,442
KY0860150	Monroe County Water District	Cumberland	43	25
KY0310706	Brownsville Municipal Water System	Edmonson	691	349
KY0310114	Edmonson County Water District	Edmonson	11,068	5,926
KY0050929	Glasgow Water Company	Edmonson	112	42
KY1140487	Warren County Water District	Edmonson	90	39
KY0220555	Rattlesnake Ridge Water District	Elliott	3,289	1,449
KY1030375	Rowan Water, Inc	Elliott	497	257
KY0320383	Sandy Hook Water District	Elliott	3,446	1,362
KY0330123	Estill County Water District #1	Estill	9,288	4,220
KY0330205	Irvine Municipal Utilities	Estill	4,526	2,225
KY0550209	Jackson County Water Association Inc	Estill	41	20
KY0990357	Powells Valley Water District	Estill	391	195
KY0350133	Fleming County Water Association	Fleming	8,291	3,708
KY0350134	Flemingsburg Water	Fleming	2,914	1,493
KY1030375	Rowan Water, Inc	Fleming	85	38
KY0910675	Western Fleming Water District	Fleming	2,751	1,233
KY0770525	Magoffin County Water District	Floyd	167	68
KY0360272	Martin Water Works	Floyd	651	374
KY0980575	Mountain Water District	Floyd	45	18
KY0580340	Paintsville Utility Commission	Floyd	46	20
KY0360358	Prestonsburg City's Utilities Commission	Floyd	16,748	7,663
KY0360026	Southern Water & Sewer District	Floyd	18,354	8,454
KY0360463	Wheelwright Utilities Commission	Floyd	1,491	650
KY0690089	Crab Orchard Water Works	Garrard	104	43
KY0400151	Garrard County Water Association	Garrard	12,429	5,395
KY0760672	Kirksville Water Association	Garrard	26	12
KY0400233	Lancaster Water Works	Garrard	3,935	1,839
KY0760407	Southern Madison Water District	Garrard	41	17
KY1020891	Western Rockcastle Water Association	Garrard	80	37
KY0500166	Green River Valley Water District	Green	884	411



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0440167	Green-Taylor Water District	Green	7,810	3,649
KY0440168	Greensburg Water Department	Green	2,284	1,139
KY0100011	Ashland Water Department	Greenup	124	53
KY0100064	Cannonsburg Water District	Greenup	449	191
KY0450132	Flatwoods Water Department	Greenup	8,028	3,551
KY0220164	Grayson Water Department	Greenup	369	154
KY0450169	Greenup Water Department	Greenup	10,277	4,465
KY0450365	Raceland Water Department	Greenup	3,186	1,446
KY0450376	Russell Water Department	Greenup	4,492	1,953
KY0450410	South Shore Water Department	Greenup	4,225	1,986
KY0450478	Worthington Water Department	Greenup	1,615	685
KY0450479	Wurtland Water Department	Greenup	1,468	630
KY0480028	Benham Water Plant	Harlan	758	398
KY0480265	Black Mountain Utility - Coxton	Harlan	577	258
KY0480277	Black Mountain Utility - Dayhoit	Harlan	1,927	881
KY0480603	Black Mountain Utility - Kenvir	Harlan	1,199	521
KY0480498	Black Mountain Utility - Louellen	Harlan	738	358
KY0480650	Black Mountain Utility - Rosspoint	Harlan	1,641	763
KY0480461	Black Mountain Utility - Sukey Ridge	Harlan	748	350
KY0480572	Black Mountain Utility - Wallins	Harlan	1,644	771
KY0480341	Black Mountain Utility District - Green Hills	Harlan	1,394	630
KY0480565	Cawood Water District	Harlan	4,516	1,974
KY0483727	Cawood Water District - Pathfork	Harlan	483	230
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	3,409	1,396
KY0480178	Harlan Municipal Water Works	Harlan	4,288	2,051
KY0500032	Bonnieville Water District	Hart	444	247
KY0050490	Cave City Water System	Hart	93	32
KY0310114	Edmonson County Water District	Hart	3,325	1,711
KY0500166	Green River Valley Water District	Hart	9,733	4,351
KY0470175	Hardin County Water District #2	Hart	732	318
KY0500476	Horse Cave Water System	Hart	2,156	1,040
KY0500305	Munfordville Water Works	Hart	1,468	742
KY0950036	Booneville Water and Sewer	Jackson	65	34
KY0550784	City of McKee	Jackson	845	446
KY1020288	Eastern Rockcastle County Water Association	Jackson	184	96
KY0550209	Jackson County Water Association Inc	Jackson	11,458	5,440
KY0260266	North Manchester Water Association Inc	Jackson	28	15
KY0630477	Wood Creek Water District	Jackson	136	64
KY0100944	Big Sandy Water District	Johnson	49	22
KY0800273	Martin County Water District	Johnson	48	22
KY0880594	Morgan County Water District	Johnson	26	12
KY0580340	Paintsville Utility Commission	Johnson	20,452	9,325



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0360358	Prestonsburg City's Utilities Commission	Johnson	1,103	472
KY0970184	Hazard Water Department	Knott	157	73
KY0600198	Hindman Water Department	Knott	3,274	1,569
KY0600062	Knott Co Water & Sewer District	Knott	8,349	3,689
KY0600129	Phoenix Place Water System	Knott	211	102
KY0360026	Southern Water & Sewer District	Knott	940	428
KY0970484	Vicco Water Supply	Knott	348	162
KY0610016	Barbourville Utility Commission	Knox	15,842	7,072
KY1180085	Corbin Utilities Commission	Knox	5,924	2,776
KY0610110	Knox County Utility Commission	Knox	6,887	3,296
KY0630238	Laurel Water District #2	Knox	2,397	958
KY1180468	Whitley County Water District #1	Knox	73	33
KY1180085	Corbin Utilities Commission	Laurel	880	407
KY0630797	East Laurel Water District	Laurel	12,168	5,123
KY0630238	Laurel Water District #2	Laurel	12,280	5,193
KY0630255	London Utility Commission	Laurel	9,161	4,159
KY0630451	West Laurel Water Association	Laurel	12,264	5,274
KY0630477	Wood Creek Water District	Laurel	11,609	5,066
KY0100944	Big Sandy Water District	Lawrence	7,160	3,240
KY0640257	Louisa Water Department	Lawrence	5,476	2,474
KY0580340	Paintsville Utility Commission	Lawrence	657	303
KY0220555	Rattlesnake Ridge Water District	Lawrence	1,153	588
KY0650024	Beattyville Water Works	Lee	7,168	3,075
KY0950036	Booneville Water and Sewer	Lee	28	11
KY1190061	Campton Water System	Lee	49	24
KY0330123	Estill County Water District #1	Lee	34	21
KY0660204	Hyden Leslie Co Water District	Leslie	9,209	4,275
KY0260737	Manchester Water Works	Leslie	22	13
KY0480092	Cumberland Municipal Water Works	Letcher	72	30
KY0670279	Fleming-Neon Water Company	Letcher	3,199	1,588
KY0670213	Jenkins Water System	Letcher	2,603	1,249
KY0670462	Letcher County Water and Sewer District	Letcher	7,193	3,405
KY0970484	Vicco Water Supply	Letcher	32	12
KY0670466	Whitesburg Water System	Letcher	3,159	1,461
KY0350133	Fleming County Water Association	Lewis	731	314
KY0680153	Garrison Water	Lewis	2,808	1,247
KY0220555	Rattlesnake Ridge Water District	Lewis	103	50
KY0450410	South Shore Water Department	Lewis	374	189
KY0680438	Vanceburg Water	Lewis	6,200	2,936
KY0810366	Western Lewis-Rectorville Water & Gas District	Lewis	3,029	1,413
KY0690089	Crab Orchard Water Works	Lincoln	1,070	517
KY0110097	Danville City Water Works	Lincoln	419	192
KY1000124	Eubank Water System	Lincoln	4,377	1,949
KY0400151	Garrard County Water Association	Lincoln	449	178
KY0690203	Hustonville Water Works	Lincoln	4,076	1,792



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0690278	McKinney Water District	Lincoln	4,232	1,823
KY0110345	Parksville Water District	Lincoln	94	43
KY1000311	Southeastern Water Association	Lincoln	31	22
KY0690417	Stanford Water Commission	Lincoln	7,855	3,354
KY1020891	Western Rockcastle Water Association	Lincoln	1,544	691
KY0760030	Berea Municipal Utilities	Madison	9,972	4,131
KY0330123	Estill County Water District #1	Madison	28	12
KY0400151	Garrard County Water Association	Madison	137	60
KY0550209	Jackson County Water Association Inc	Madison	50	21
KY0760672	Kirksville Water Association	Madison	4,345	1,808
KY0760224	Madison County Utilities District	Madison	24,579	10,203
KY0760370	Richmond Water, Gas & Sewer	Madison	31,839	13,810
KY0760407	Southern Madison Water District	Madison	11,333	4,720
KY0770525	Magoffin County Water District	Magoffin	10,648	4,759
KY0770566	Salyersville Water Works	Magoffin	2,256	1,004
KY0800273	Martin County Water District	Martin	11,760	5,083
KY0740276	McCreary County Water District	McCreary	14,871	6,264
KY0060022	Bath County Water District	Menifee	974	414
KY0830148	Frenchburg Water and Sewer	Menifee	4,894	3,050
KY0870212	Jeffersonville Water System	Menifee	47	20
KY0850115	Edmonton Water Works	Metcalfe	7,159	3,302
KY0500166	Green River Valley Water District	Metcalfe	2,023	920
KY0440167	Green-Taylor Water District	Metcalfe	472	247
KY0860150	Monroe County Water District	Metcalfe	63	27
KY0860141	Fountain Run Water District #1	Monroe	524	295
KY0860150	Monroe County Water District	Monroe	7,838	3,636
KY0860426	Tompkinsville Water Works	Monroe	2,249	1,126
KY0060022	Bath County Water District	Montgomery	930	399
KY0870212	Jeffersonville Water System	Montgomery	4,612	2,005
KY0870147	Judy Water Association	Montgomery	2,433	1,012
KY0870246	Levee Road Water Association, Inc	Montgomery	2,136	906
KY0870290	Montgomery County Water District #1	Montgomery	1,805	753
KY0870298	Mount Sterling Water and Sewer System	Montgomery	12,035	5,534
KY0870367	Reid Village Water District	Montgomery	2,422	1,034
KY0830148	Frenchburg Water and Sewer	Morgan	89	77
KY0880594	Morgan County Water District	Morgan	7,483	3,446
KY0220555	Rattlesnake Ridge Water District	Morgan	98	45
KY1030375	Rowan Water, Inc	Morgan	226	103
KY0320383	Sandy Hook Water District	Morgan	277	150
KY0880452	West Liberty Water Works	Morgan	3,411	887
KY0910065	Carlisle Water Department	Nicholas	2,045	1,059
KY0490179	Harrison County Water Association	Nicholas	82	39
KY0910314	Nicholas County Water District	Nicholas	3,416	1,483
KY0060392	Sharpsburg Water District	Nicholas	1,263	541
KY0910675	Western Fleming Water District	Nicholas	37	20



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0950036	Booneville Water and Sewer	Owsley	4,508	2,202
KY0950036	Booneville Water and Sewer	Perry	129	70
KY0970184	Hazard Water Department	Perry	21,896	9,749
KY0600062	Knott Co Water & Sewer District	Perry	112	46
KY0600129	Phoenix Place Water System	Perry	88	34
KY0970484	Vicco Water Supply	Perry	2,347	1,018
KY0971007	Village of Buckhorn	Perry	793	342
KY0980120	Elkhorn City Water Department	Pike	1,434	723
KY0670213	Jenkins Water System	Pike	183	85
KY0980575	Mountain Water District	Pike	48,155	22,476
KY0980350	Pikeville Water Department	Pike	9,089	4,156
KY0360358	Prestonsburg City's Utilities Commission	Pike	120	50
KY0360026	Southern Water & Sewer District	Pike	237	102
KY1190061	Campton Water System	Powell	35	16
KY0990074	Clay City Water System	Powell	1,634	746
KY0330123	Estill County Water District #1	Powell	17	11
KY0870246	Levee Road Water Association, Inc	Powell	29	12
KY0990357	Powells Valley Water District	Powell	5,284	2,370
KY0990418	Stanton Water Commission	Powell	5,393	2,316
KY1000043	Bronston Water Association	Pulaski	2,366	1,542
KY1000050	Burnside Municipal Water Works	Pulaski	1,165	678
KY1000124	Eubank Water System	Pulaski	4,640	2,026
KY1000362	Science Hill Water Works	Pulaski	4,756	2,055
KY1000403	Somerset Utilities	Pulaski	17,102	8,273
KY1000311	Southeastern Water Association	Pulaski	14,985	8,015
KY1000363	Western Pulaski County Water District	Pulaski	15,878	7,426
KY1020891	Western Rockcastle Water Association	Pulaski	335	162
KY1000973	Woodson Bend Property Owners Association	Pulaski	142	362
KY0810046	Buffalo Trail Water Association	Robertson	1,782	858
KY1010297	Mount Olivet Water	Robertson	460	219
KY1020889	City of Brodhead	Rockcastle	1,512	680
KY1020299	City of Mount Vernon	Rockcastle	4,316	1,990
KY1020288	Eastern Rockcastle County Water Association	Rockcastle	1,399	685
KY0550209	Jackson County Water Association Inc	Rockcastle	65	35
KY1020253	Livingston Municipal Water Works	Rockcastle	374	192
KY1020891	Western Rockcastle Water Association	Rockcastle	8,758	3,835
KY0060022	Bath County Water District	Rowan	35	17
KY1030480	Morehead State University	Rowan	1,720	185
KY1030292	Morehead Utility Plant Board	Rowan	7,933	3,552
KY1030375	Rowan Water, Inc	Rowan	12,785	5,946
KY0010702	Columbia/Adair Utilities District	Russell	30	14
KY1040210	Jamestown Utilities	Russell	7,236	4,127
KY1040377	Russell Springs Sewer & Water Works	Russell	9,249	4,796
KY1000363	Western Pulaski County Water District	Russell	510	769
KY1000043	Bronston Water Association	Wayne	740	405



Community Water Systems in SOAR Study Area County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1160291	Monticello Utility Commission	Wayne	17,462	8,618
KY1000363	Western Pulaski County Water District	Wayne	501	716
KY1180085	Corbin Utilities Commission	Whitley	8,112	3,669
KY1180093	Cumberland Falls Highway Water District	Whitley	8,909	3,694
KY0610110	Knox County Utility Commission	Whitley	607	314
KY0070353	Pineville Water System	Whitley	227	101
KY1183728	Whitley County Water District	Whitley	420	181
KY1180468	Whitley County Water District #1	Whitley	3,260	1,379
KY1180962	Whitley County Water District #2	Whitley	4,529	2,002
KY1180999	Whitley County Water District #3	Whitley	3,138	1,324
KY1180471	Williamsburg Municipal WTP	Whitley	5,123	1,924
KY0650024	Beattyville Water Works	Wolfe	23	12
KY1190061	Campton Water System	Wolfe	6,127	3,067
KY0880594	Morgan County Water District	Wolfe	55	28
		Totals:	1,178,656	537,047



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 531.01 miles of existing water lines.
- 71.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$17,932,215.
- 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 147 serviceable households will be added through the construction of 71.00 miles of water line extensions and approximately 788 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			
Adair County Water District	5	\$15,038,600	146	788	70.00	15.00	-
City of Campbellsville	1	\$2,074,615	1	-	1.00	-	-
East Casey County Water District	1	\$819,000	-	-	-	-	-
Totals:	7	\$17,932,215	147	788	71.00	15.00	-

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
KY0010702	Columbia/Adair Utilities District	Adair	16,627	7,563
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:	16,903	7,690



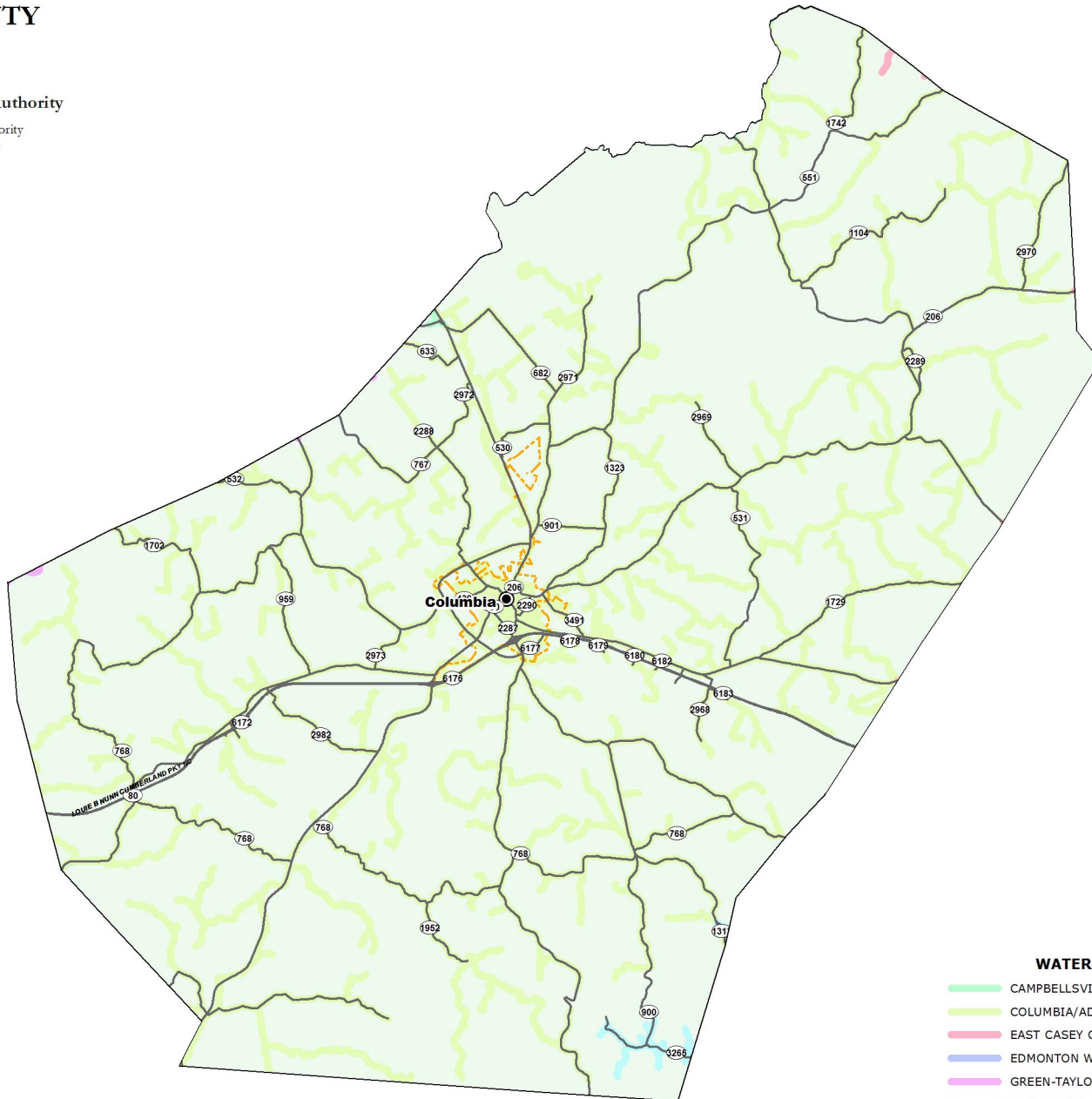
WATER SERVICE AREAS ADAIR COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- CAMPBELLVILLE 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

Adair County (continued)

System Summary for Columbia/Adair County Water Commission

PWSID	KY0011016	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Regional Water Commission	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	
Residential Customers	-	Total Produced (MG)	578.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1.600
Industrial Customers	-	Total Wholesale Sold (MG)	575.088
Wholesale Customers	1	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 0.77 miles (Distribution: 0.00 miles, Transmission: 0.77 miles).			

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

There are no immediate projects for Columbia/Adair County Water Commission

Adair County (continued)

System Summary for Columbia/Adair Utilities District

PWSID	KY0010702	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	16	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	\$33.90 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 10 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	7,800
Residential Customers	7,251	Total Produced (MG)	-
Commercial Customers	548	Total Purchased (MG)	622.236
Institutional Customers	-	Total Inside Usage (MG)	546.111
Industrial Customers	-	Total Wholesale Sold (MG)	5.175
Wholesale Customers	2	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 525.48 miles (Distribution: 524.24 miles, Transmission: 1.24 miles).			

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

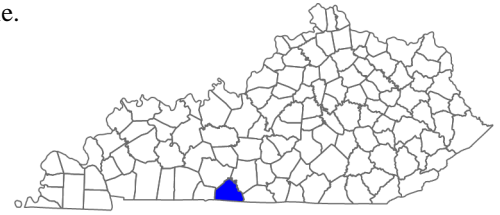
Project Summary (Top 18 Approved, 0-5 years) for Columbia/Adair Utilities District

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		
WX21001024	Columbia/Adair Utilities District – Downtown Water System Improv	3-5 Years	Not Funded	\$4,000,000	Adair		
WX21001025	Adair County Phase II Water System Extensions & Improvements	3-5 Years	Not 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	\$2,153,500	Adair		
WX21001026	Columbia Water Tank Renovation	3-5 Years	Not Funded	\$528,000	Adair		



Allen County

- 2010 census population of 19,956 (9,307 households) with 97% serviceable.
- Projected 2020 population of 22,366 (change of 2,410).
- Allen County has 572.29 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.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$3,753,970.
- 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 97 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 4.00 miles of water line extensions and approximately 34 instances of improved service through the rehabilitation of 1.00 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)
			Unserviced	Underserved			
Allen County Fiscal Court	1	\$25,000	-	-	-	-	-
Allen County Water District	3	\$1,645,000	-	-	-	-	3.00
City of Scottsville	9	\$1,998,970	5	34	1.00	1.00	-
Simpson County Water District	1	\$277,000	3	-	2.00	-	-
Warren County Water District	1	\$85,000	6	-	1.00	-	-
Totals:	15	\$4,030,970	14	34	4.00	1.00	3.00

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	13,533	6,115
KY0020386	Scottsville Water Department	Allen	4,921	2,371
KY0050929	Glasgow Water Company	Barren	156	164
KY0860141	Fountain Run Water District #1	Monroe	279	143
KY1070398	Simpson County Water District	Simpson	308	148
KY1140487	Warren County Water District	Warren	223	88
		Totals:	19,420	9,029



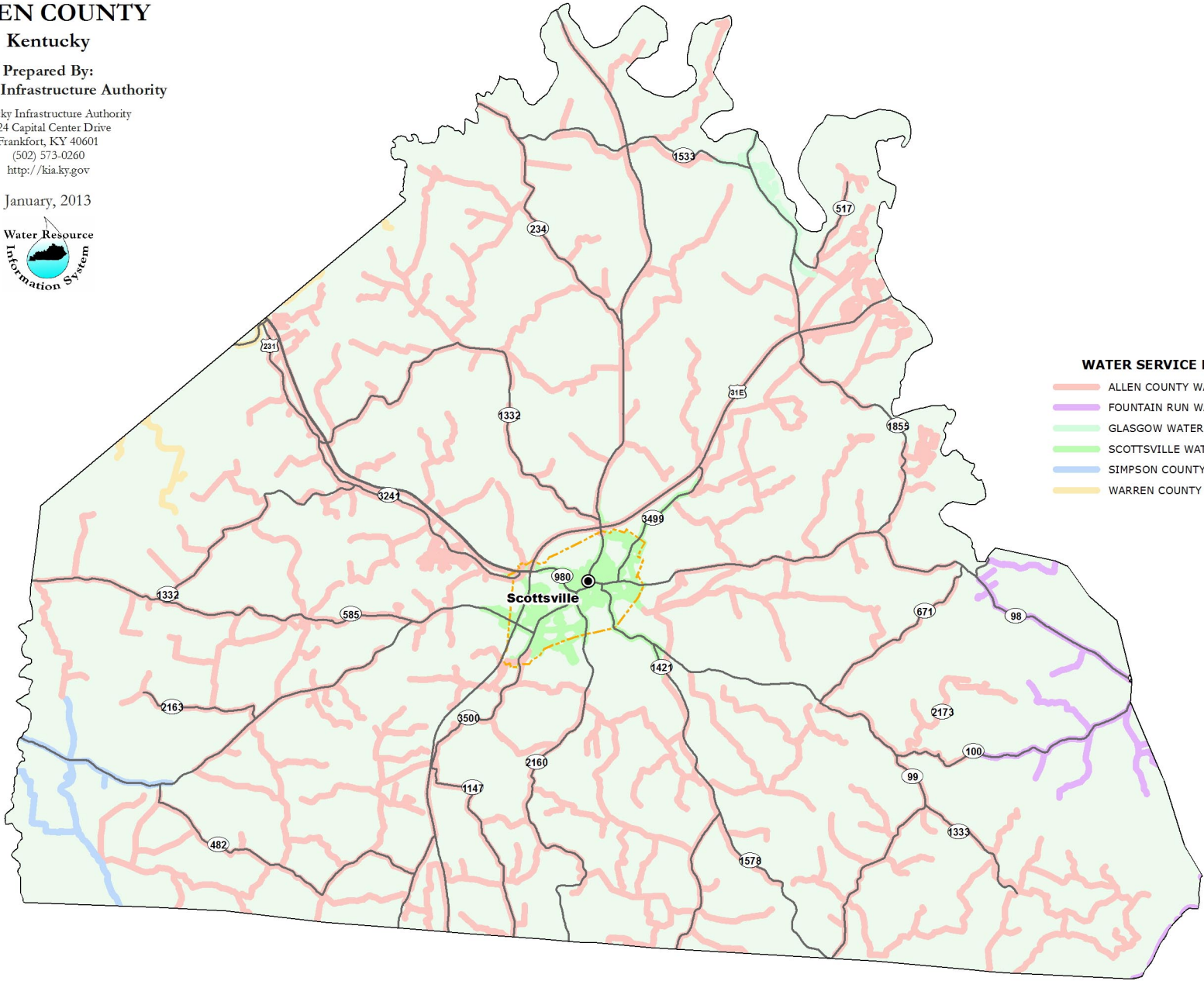
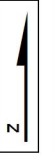
WATER SERVICE AREAS ALLEN COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- ALLEN COUNTY WATER DISTRICT
- FOUNTAIN RUN WATER DISTRICT #1
- GLASGOW WATER COMPANY
- SCOTTSVILLE WATER DEPARTMENT
- SIMPSON COUNTY WATER DISTRICT
- WARREN COUNTY WATER DISTRICT

Allen County (continued)

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	No
Inside Mun. Cost	-	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	5,101
Residential Customers	5,019	Total Produced (MG)	-
Commercial Customers	82	Total Purchased (MG)	341.536
Institutional Customers	-	Total Inside Usage (MG)	313.000
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 468.71 miles (Distribution: 456.55 miles, Transmission: 12.15 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21003016	ACWD - Emergency Generators	3-5 Years	Not Funded	\$300,000	Allen	25	3
WX21003018	ACWD - Hwy 231 Transmission Main	3-5 Years	Not Funded	\$1,120,000	Allen		
WX21003017	ACWD - Johnson Loop Pump Station	0-2 Years	Not Funded	\$225,000	Allen		
WX21003006	Allen County Fiscal Court-Rural Water Line Improvements and Fire Hydrants	0-2 Years	Not Funded	\$25,000	Allen		

Allen County (continued)

System Summary for Scottsville Water Department

PWSID	KY0020386	Treats Water	No
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	\$27.44 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$27.44 per 4,000 gallons.	Total Connections	2,280
Residential Customers	2,075	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 = 57.63 miles (Distribution: 57.63 miles, Transmission: 0.00 miles).			

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

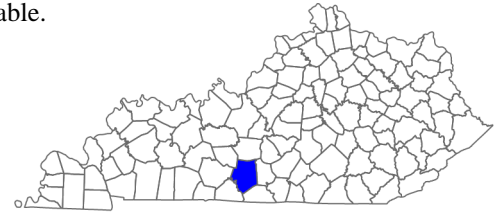
Project Summary (Top 18 Approved, 0-5 years) for Scottsville Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank De	3-5 Years	Not Funded	\$350,000	Allen	10	1
WX21003012	City of Scottsville - WTP Emergency Generator Project	3-5 Years	Not Funded	\$500,000	Allen	19	2
WX21003013	City of Scottsville - WTP Improvements	3-5 Years	Not Funded	\$50,000	Allen	36	4
WX21003015	City of Scottsville - Old Hartsville Road Water Pump Replacement	3-5 Years	Not Funded	\$500,000	Allen		
WX21003005	Camp Courageous Waterline & Tank	0-2 Years	Not Funded	\$300,000	Allen		
WX21003002	KY 980 Water System Improvements	0-2 Years	Not Funded	\$224,125	Allen		
WX21003019	City of Scottsville - Higgins Convenient Store Infrastructure Improvements Project	0-2 Years	Not Funded	\$40,345	Allen		
WX21003008	Scottsville - Oliver Street	0-2 Years	Not Funded	\$27,000	Allen		
WX21003009	Scottsville - Allen County Library Water Improvement Project	0-2 Years	Not Funded	\$7,500	Allen		



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 993.10 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$13,064,000.
- 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 20 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 5,665 instances of improved service through the rehabilitation of 12.00 miles of existing water lines and other appurtenances. 14.00 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)
			Unserviced	Underserved			
Caveland Environmental Authority	9	\$6,554,000	20	5,217	-	7.00	6.00
Glasgow Water and Sewer Commission	8	\$5,810,000	-	448	-	5.00	8.00
Hart County Fiscal Court	1	\$700,000	-	-	-	-	-
Totals:	18	\$13,064,000	20	5,665	-	12.00	14.00

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	2,621	1,292
KY0050344	Caveland Environmental Authority	Barren	587	280
KY0050929	Glasgow Water Company	Barren	36,426	16,489
KY0500166	Green River Valley Water District	Hart	2,146	950
KY0850115	Edmonton Water Works	Metcalfe	31	11
KY0860141	Fountain Run Water District #1	Monroe	68	42
		Totals:	41,879	19,064



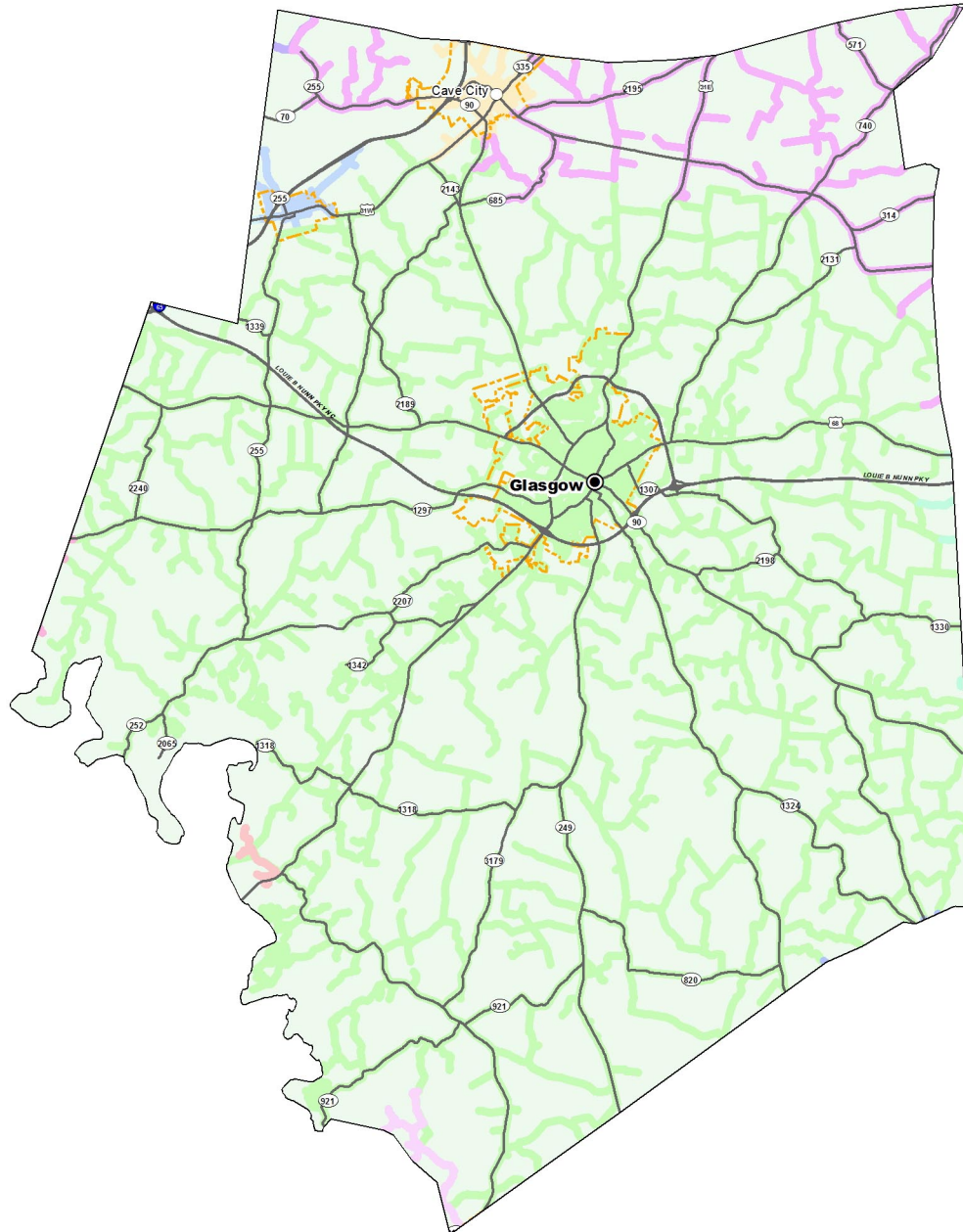
WATER SERVICE AREAS BARREN COUNTY

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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

Barren County (continued)

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	1,228
Residential Customers	1,090	Total Produced (MG)	-
Commercial Customers	211	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 = 33.53 miles (Distribution: 33.53 miles, Transmission: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21009039	CEA - Cave City Water Tank & Line Work	0-2 Years	Not Funded	\$2,200,000	Barren		

Barren County (continued)

System Summary for Caveland Environmental Authority

PWSID	KY0050344	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Joint Sewer Agency	Groundwater Source	No
Employees	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	282
Residential Customers	460	Total Produced (MG)	-
Commercial Customers	29	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	\$12,000,000	Hart	4	1
WX21009030	Caveland Environmental - Blair Road	3-5 Years	Not Funded	\$198,000	Barren	30	3
WX21009035	Caveland Environmental - Cave City Water Line Replacement	3-5 Years	Not Funded	\$600,000	Barren	32	4
WX21009037	Caveland Environmental - Park City Water Lines #2	3-5 Years	Not Funded	\$500,000	Barren	45	5
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		
WX21009023	Caveland Environmental Authority - Water Tank	0-2 Years	Not Funded	\$400,000	Barren		
WX21009024	Caveland Environmental Authority - Duke Street	0-2 Years	Not Funded	\$256,000	Barren		
WX21009038	Caveland Environmental Authority - Barren County Water Lines	0-2 Years	Not Funded	\$200,000	Barren		
WX21009011	Glasgow Water Improvement	0-2 Years	Not Funded	\$180,000	Barren		



Barren County (continued)

System Summary for Glasgow Water Company

PWSID	KY0050929	Treats Water	No
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, 7 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 = 859.81 miles (Distribution: 859.48 miles, Transmission: 0.33 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	\$1,600,000	Barren	6	1
WX21009033	Glasgow Water Improvement - 20 Inch Transmission Line Haywood to Grandview Ave	3-5 Years	Not Funded	\$1,750,000	Barren	12	2
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	0-2 Years	Not Funded	\$1,750,000	Barren		
WX21009010	Glasgow Water Improvement	0-2 Years	Not Funded	\$230,000	Barren		
WX21009028	Southside Line Improvement - Glasgow	0-2 Years	Not Funded	\$120,000	Barren		
WX21009029	Westside Line Improvement - Glasgow	0-2 Years	Not Funded	\$105,000	Barren		
WX21009009	Glasgow Water Improvement	0-2 Years	Not Funded	\$75,000	Barren		

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 331.04 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 11.00 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: \$4,260,070.
- There are no projects planned from 6 to 10 years.



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 51 serviceable households will be added through the construction of 6.00 miles of water line extensions and approximately 16,532 instances of improved service through the rehabilitation of 11.00 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)
			Unserviced	Underserved			
Bath County Water District	6	\$1,028,070	19	12,565	-	5.00	-
City of Frenchburg	1	\$1,432,000	25	-	4.00	-	-
City of Owingsville	2	\$750,000	3	20	1.00	-	1.00
Sharpsburg Water District	5	\$1,050,000	4	3,947	1.00	6.00	-
Totals:	14	\$4,260,070	51	16,532	6.00	11.00	1.00

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	6,902	3,165
KY0060338	Owingsville Water and Sewer	Bath	1,913	958
KY0060392	Sharpsburg Water District	Bath	1,890	884
KY0830148	Frenchburg Water and Sewer	Menifee	208	97
KY0870147	Judy Water Association	Montgomery	123	43
		Totals:	11,036	5,147



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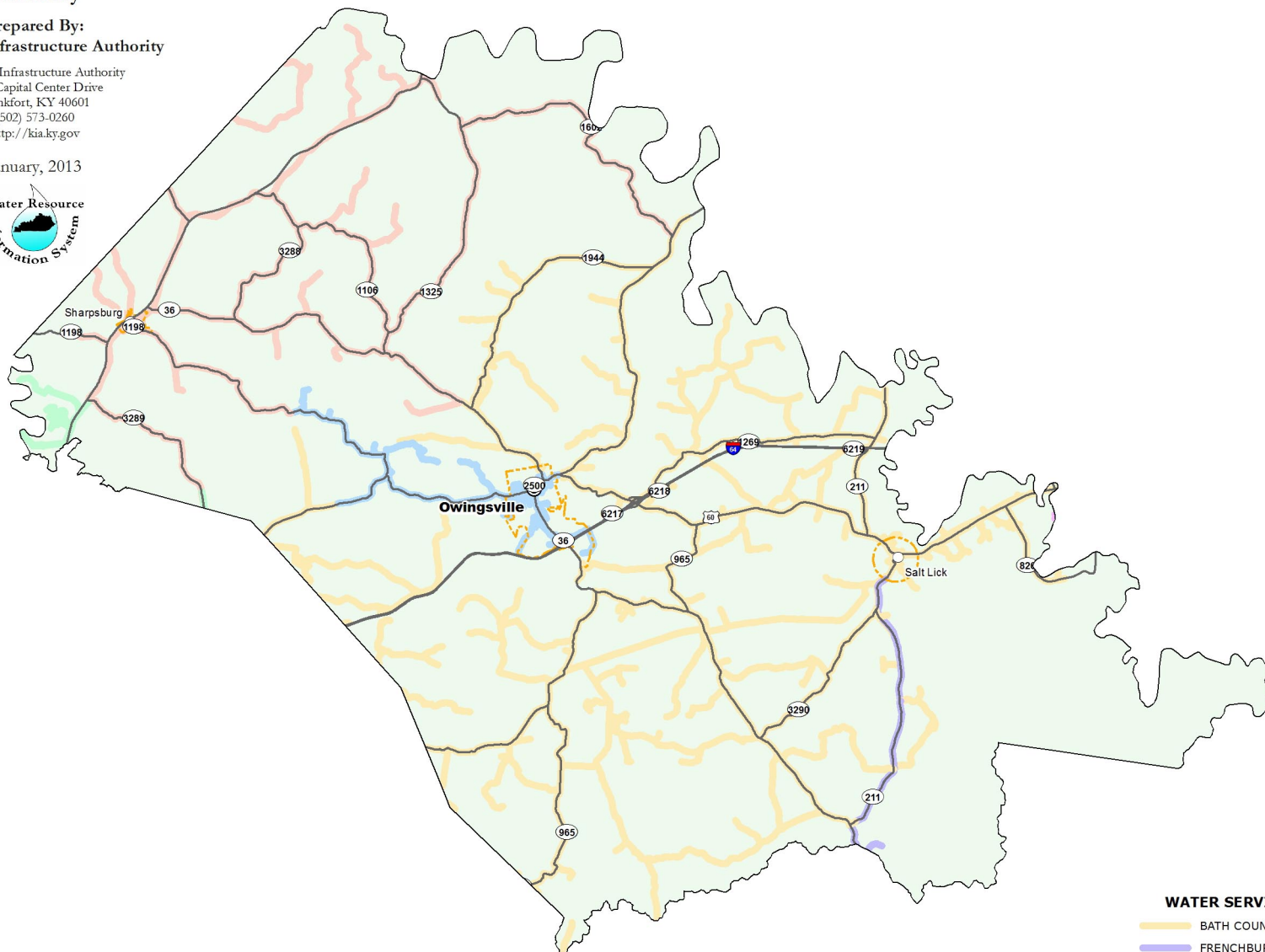
WATER SERVICE AREAS BATH COUNTY

Kentucky

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Kentucky Infrastructure Authority

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January, 2013



- WATER SERVICE BY OWNER**
- BATH COUNTY WATER DISTRICT
 - FRENCHBURG WATER & SEWER
 - JUDY WATER ASSOCIATION
 - MOREHEAD UTILITY PLANT BOARD
 - OWINGSVILLE WATER AND SEWER
 - SHARPSBURG WATER DISTRICT

Bath County (continued)

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	\$27.42 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	3,711
Residential Customers	3,632	Total Produced (MG)	-
Commercial Customers	70	Total Purchased (MG)	389.785
Institutional Customers	-	Total Inside Usage (MG)	200.208
Industrial Customers	6	Total Wholesale Sold (MG)	149.865
Wholesale Customers	3	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 277.34 miles (Distribution: 267.65 miles, Transmission: 9.70 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	2	2
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21011018	Bath County Water District Mapping & GPS Data Collection Project	3-5 Years	Not Funded	\$106,000	Bath	8	1
WX21011016	Bath County Water District Standby Power Generator Project	3-5 Years	Not Funded	\$200,000	Bath	25	5
WX21011035	Bath County Water District Dickerson Hill Pump Station Project	3-5 Years	Not Funded	\$50,000	Bath	60	11
WX21011034	Bath County Water District Route 36 Line Replacement Project	3-5 Years	Not Funded	\$398,070	Bath	76	12
WX21011027	Bath County Water District Scattered Site System Improvement Project	3-5 Years	Not Funded	\$165,500	Bath	77	13
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47



Bath County (continued)

System Summary for Owingsville Water and Sewer

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	\$22.78 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$26.22 per 4,000 gallons.	Total Connections	854
Residential Customers	756	Total Produced (MG)	-
Commercial Customers	85	Total Purchased (MG)	84.158
Institutional Customers	12	Total Inside Usage (MG)	72.390
Industrial Customers	-	Total Wholesale Sold (MG)	5.379
Wholesale Customers	1	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 24.01 miles (Distribution: 23.76 miles, Transmission: 0.25 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Owingsville Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21011010	Bath County Water District/City of Owingsville Ore Mines Pump Station Modification - Phase 1.0	0-2 Years	Not Funded	\$108,500	Bath	13	3
WX21011030	City of Owingsville Atkinson Road Waterline Extension Project	3-5 Years	Not Funded	\$100,000	Bath	24	4
WX21011011	City of Owingsville Water Storage Tank Project - Phase 1.1	0-2 Years	Not Funded	\$650,000	Bath	30	7



Bath County (continued)

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	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	\$37.54 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)	93.868
Institutional Customers	-	Total Inside Usage (MG)	77.848
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 128.51 miles (Distribution: 128.44 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
WX21011029	Sharpsburg Water District Telemetry & SCADA System Upgrade Project	3-5 Years	Not Funded	\$100,000	Bath	9	2
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	\$350,000	Bath	28	6
WX21011019	Sharpsburg Water District Meter Replacement Project	3-5 Years	Not Funded	\$200,000	Bath	32	8
WX21011009	Sharpsburg Water District Rich Lan Road Waterline Extension Project	3-5 Years	Not Funded	\$100,000	Bath	39	9
WX21011020	Sharpsburg Water District AC Line Replacement Project	3-5 Years	Not Funded	\$300,000	Bath	49	10

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 404.33 miles of existing water lines.
- 15.00 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: \$9,714,030.
- Estimated funding needs for projects from 6 to 10 years: \$1,854,948.



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 15.00 miles of water line extensions and approximately 1,216 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			
Bell County Fiscal Court	1	\$6,500,000	1	-	15.00	-	-
Pineville Utility Commission	2	\$5,068,978	-	1,216	-	3.00	-
Totals:	3	\$11,568,978	1	1,216	15.00	3.00	-

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



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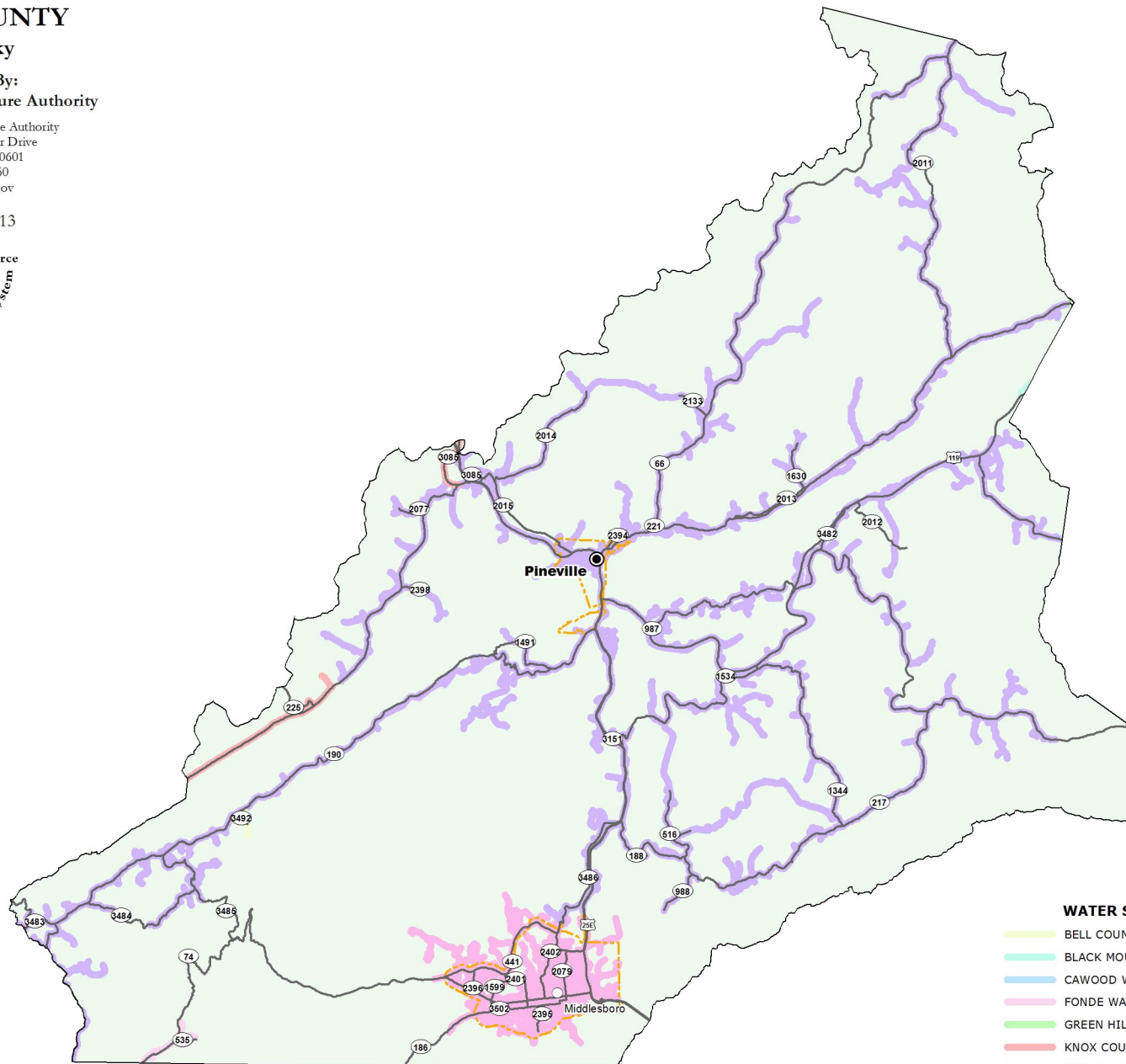
WATER SERVICE AREAS BELL COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- BELL COUNTY FORESTRY CAMP
- BLACK MOUNTAIN UTILITY - DAYHOIT
- CAWOOD WATER DISTRICT - PATHFORK
- FONDE WATER SYSTEM
- GREEN HILLS WATER DISTRICT
- KNOX COUNTY UTILITY COMMISSION
- PINEVILLE UTILITY COMMISSION
- WATER SERVICE CORPORATION OF KENTUCKY

Bell County (continued)

System Summary for Bell County Forestry Camp

PWSID	KY0070729	Treats Water	No
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	15
Residential Customers	350	Total Produced (MG)	21.782
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	21.582
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

Bell County (continued)

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

Bell County (continued)

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	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	\$44.33 per 4,000 gallons.	Total Connections	
Residential Customers	25	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	1.029
Institutional Customers	-	Total Inside Usage (MG)	0.800
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	22%
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

Bell County (continued)

System Summary for Pineville Water System

PWSID	KY0070353	Treats Water	No
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	\$34.62 per 4,000 gallons.	Storage Capacity	Yes, 27 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	\$44.33 per 4,000 gallons.	Total Connections	5,396
Residential Customers	5,234	Total Produced (MG)	916.690
Commercial Customers	162	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	664.346
Industrial Customers	-	Total Wholesale Sold (MG)	51.074
Wholesale Customers	3	Estimated Pct. Water Loss	22%
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	Not Funded	\$3,214,030	Bell	3	2
WX21210139	Pmria- Waterline Ext. to Proposed Industrial Park	0-2 Years	Partially Funded	\$6,500,000	Bell	17	3
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	\$1,854,948	Bell		

Bell County (continued)

System Summary for Water Service Corporation of Kentucky

PWSID	KY0070282	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Investor-Owned (Private For-Profit)	Groundwater Source	No
Employees	10	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$19.20 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	5,709
Residential Customers	4,913	Total Produced (MG)	-
Commercial Customers	769	Total Purchased (MG)	123.881
Institutional Customers	-	Total Inside Usage (MG)	114.836
Industrial Customers	27	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	7%
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

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 545.71 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: \$5,970,000.
- 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 13,655 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			
Cannonsburg Water District	7	\$5,565,000	-	10,655	-	8.00	1.00
City of Ashland	1	\$405,000	-	3,000	-	-	-
Totals:	8	\$5,970,000	-	13,655	-	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
KY0100011	Ashland Water Department	Boyd	35,691	16,084
KY0100944	Big Sandy Water District	Boyd	4,561	1,836
KY0100064	Cannonsburg Water District	Boyd	8,476	3,514
KY0100004	Overland Development	Boyd	269	104
KY0450376	Russell Water Department	Greenup	401	188
		Totals:	49,398	21,726



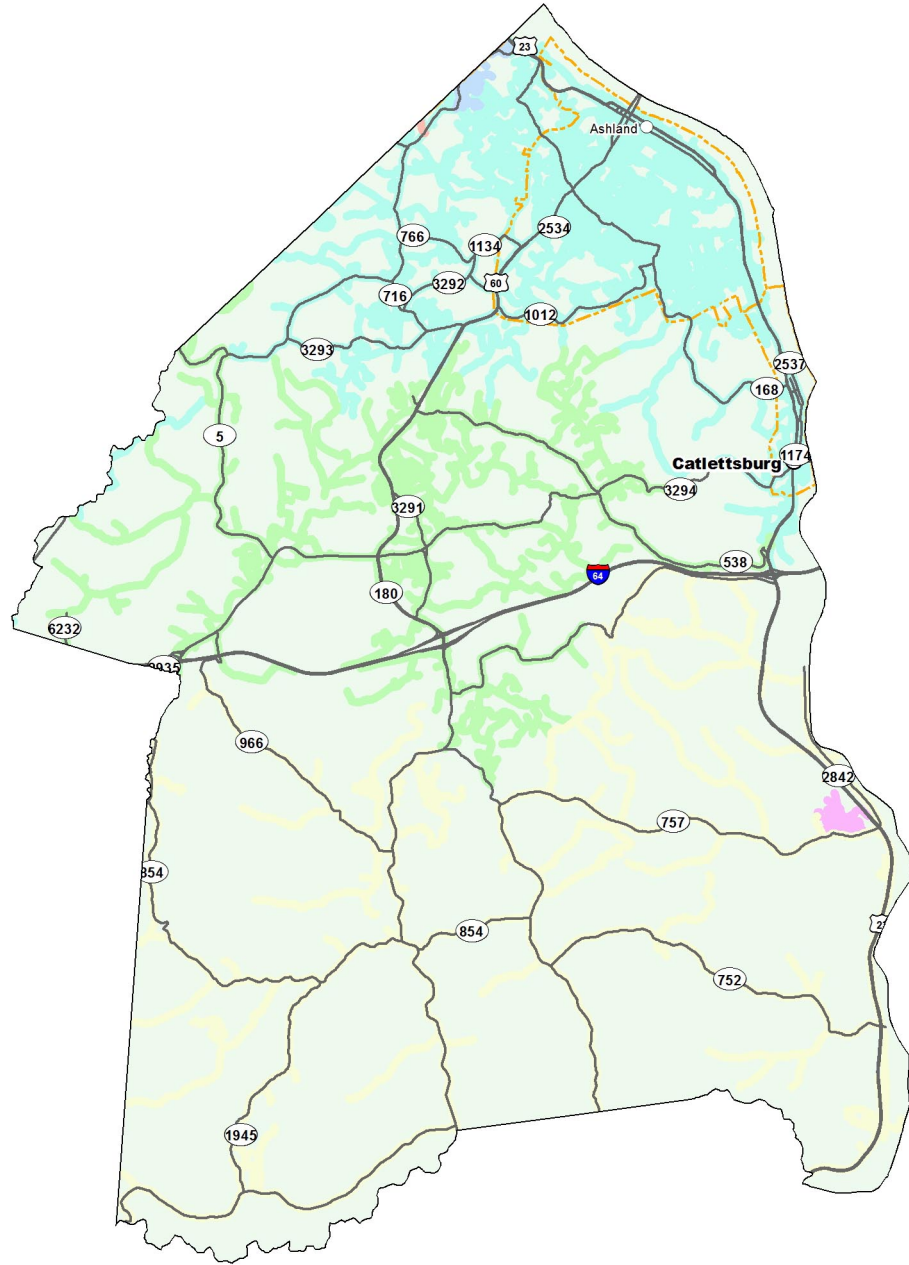
WATER SERVICE AREAS BOYD COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- ASHLAND WATER DEPARTMENT
- BIG SANDY WATER DISTRICT
- CANNONSBURG WATER DISTRICT
- GREENUP WATER DEPARTMENT
- OVERLAND DEVELOPMENT
- RUSSELL WATER DEPARTMENT

Boyd County (continued)

System Summary for Ashland Water Department

PWSID	KY0100011	Treats Water	No
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	\$22.96 per 4,000 gallons.	Storage Capacity	Yes, 13 tanks with total capacity of 23,000 MG.
Outside Mun. Cost	\$36.06 per 4,000 gallons.	Total Connections	15,412
Residential Customers	14,200	Total Produced (MG)	3,884,000
Commercial Customers	1,201	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	2,278,141
Industrial Customers	8	Total Wholesale Sold (MG)	642,196
Wholesale Customers	3	Estimated Pct. Water Loss	25%
Total Distribution System Line Length = 280.48 miles (Distribution: 279.20 miles, Transmission: 1.29 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21019042	Ashland: Radio Read Meter Equipment Purchase	0-2 Years	Not Funded	\$405,000	Boyd		

Boyd County (continued)

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	\$35.16 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	4,533
Residential Customers	4,395	Total Produced (MG)	-
Commercial Customers	52	Total Purchased (MG)	316.117
Institutional Customers	-	Total Inside Usage (MG)	251.741
Industrial Customers	32	Total Wholesale Sold (MG)	9.820
Wholesale Customers	2	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 419.82 miles (Distribution: 419.82 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Big Sandy Water District

Boyd County (continued)

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	10	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	\$35.10 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	3,732
Residential Customers	3,265	Total Produced (MG)	-
Commercial Customers	241	Total Purchased (MG)	501.170
Institutional Customers	-	Total Inside Usage (MG)	331.683
Industrial Customers	1	Total Wholesale Sold (MG)	56.229
Wholesale Customers	1	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 161.15 miles (Distribution: 156.35 miles, Transmission: 4.80 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
WX21019043	CWD: Existing Water System Improvements	0-2 Years	Not Funded	\$2,100,000	Boyd	3	1
WX21019037	CWD: Replacement of Asbestos Cement Tx Waterline to the Princes	0-2 Years	Not Funded	\$2,000,000	Boyd		
WX21019029	Cannonsburg: Radio Read Water Meters	0-2 Years	Not Funded	\$690,000	Boyd		
WX21019039	Cannonsburg WD: Refurbish The Tarpin Ridge and Princess Water T	3-5 Years	Not Funded	\$500,000	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		
WX21019040	CWD: Waterline Loop for Fair Ground Road	0-2 Years	Not Funded	\$50,000	Boyd		



Boyd County (continued)

System Summary for Overland Development

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	\$16.32 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	110	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	6.435
Institutional Customers	-	Total Inside Usage (MG)	5.760
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 4.64 miles (Distribution: 4.64 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Overland Development

Breathitt County

- 2010 census population of 13,878 (6,231 households) with 80% serviceable.
- Projected 2020 population of 12,495 (change of -1,383).
- Breathitt County has 300.19 miles of existing water lines.
- 84.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$19,441,596.
- Estimated funding needs for projects from 6 to 10 years: \$654,000.



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 80 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 84.00 miles of water line extensions and approximately 1,484 instances of improved service through system wide upgrades. 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	17	\$13,352,596	658	1,308	83.00	-	-
City of Hazard	1	\$4,543,000	-	-	-	-	-
City of Jackson	2	\$2,200,000	9	176	1.00	-	1.00
Totals:	20	\$20,095,596	667	1,484	84.00	-	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	5,944	2,636
KY0130208	Jackson Municipal Water Works	Breathitt	4,845	2,231
KY0650024	Beattyville Water Works	Lee	129	58
KY0971007	Village of Buckhorn	Perry	151	60
		Totals:	11,069	4,985



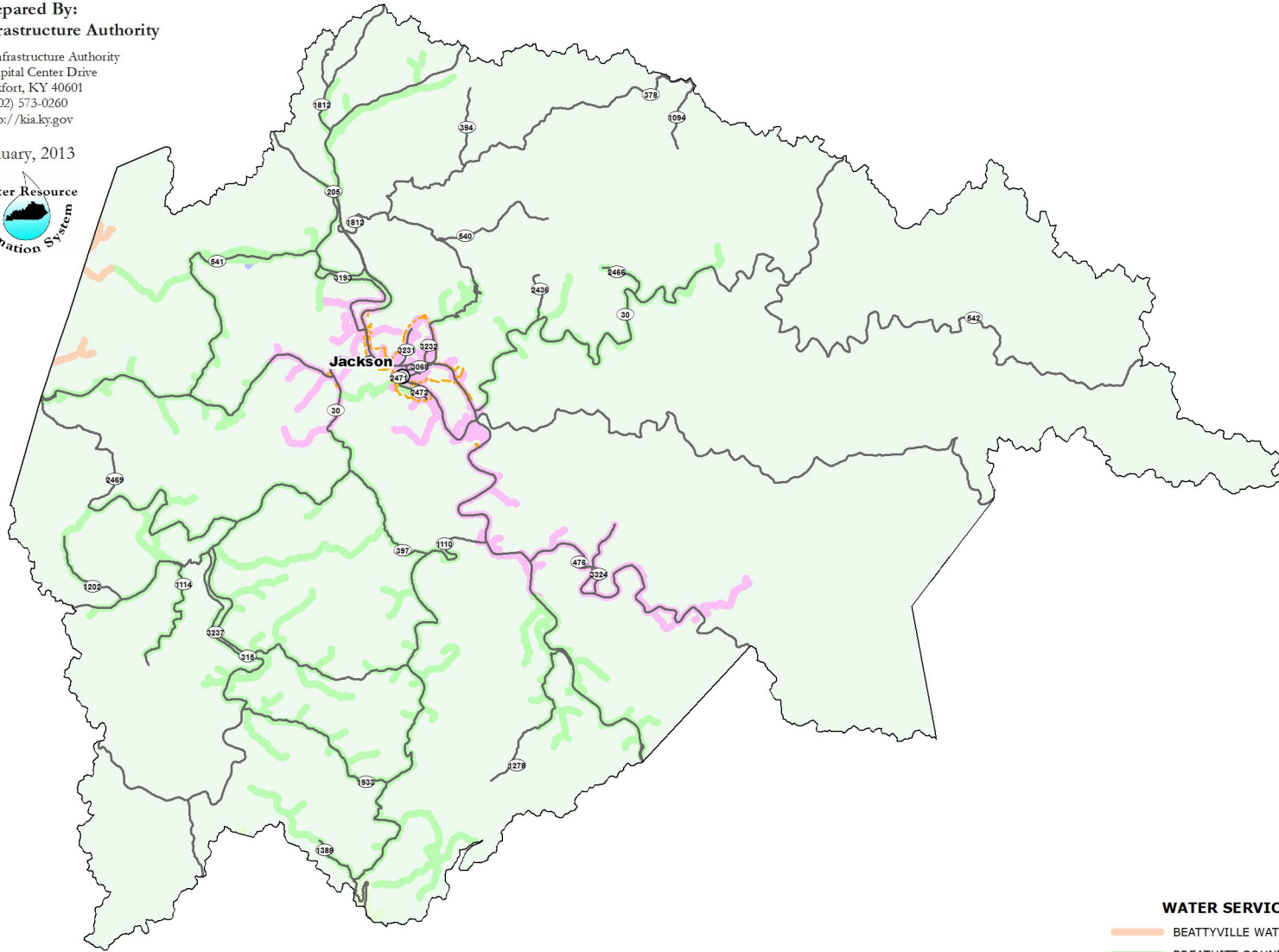
WATER SERVICE AREAS BREATHITT COUNTY

Kentucky

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WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- BREATHITT COUNTY WATER DISTRICT
- HAZARD WATER DEPARTMENT
- JACKSON MUNICIPAL WATER WORKS
- MOUNT CARMEL HIGH/BOARDING SCHOOL
- VILLAGE OF BUCKHORN

Breathitt County (continued)

System Summary for Breathitt County Water District

PWSID	KY0131012	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$45.35 per 4,000 gallons.	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 14 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	1,308
Residential Customers	1,307	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	66.742
Institutional Customers	-	Total Inside Usage (MG)	56.751
Industrial Customers	-	Total Wholesale Sold (MG)	0.021
Wholesale Customers	1	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 215.09 miles (Distribution: 203.03 miles, Transmission: 12.06 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
WX21025039	Creekside Road Water Line Extension	3-5 Years	Not Funded	\$202,000	Breathitt	15	2
WX21025032	Highland Road Water Line Extensions	3-5 Years	Not Funded	\$640,000	Breathitt		3
WX21025038	BCWD Vehicle and Equipment Purchases	0-2 Years	Not Funded	\$100,596	Breathitt		4
WX21025013	Breathitt - Hwy 540E Extensions (Frozen Area Phase III)	3-5 Years	Not Funded	\$850,000	Breathitt		5
WX21025034	Johnson Fork Water Line Extension	3-5 Years	Not Funded	\$355,000	Breathitt		6
WX21025010	Breathitt - KY 315 And Hwy 28 Water Line Project	3-5 Years	Not Funded	\$2,394,000	Breathitt		7
WX21025035	Stray Branch Water Line Extension	3-5 Years	Not Funded	\$717,000	Breathitt		8
WX21025033	War Shoal Road Water Line Extension	3-5 Years	Not Funded	\$227,000	Breathitt		9
WX21025014	Breathitt - Hwy 2436 Airport Road Water Line Extensions	6-10 Years	Not Funded	\$654,000	Breathitt		10
WX21025026	Robinson Fork And Fire Trail Road Water Line Extension	0-2 Years	Partially Funded	\$366,000	Breathitt		11
WX21025027	KY 205 Water Line Extensions	0-2 Years	Partially Funded	\$175,000	Breathitt		12
WX21025029	War Creek Road Water Line Extension	0-2 Years	Partially Funded	\$192,000	Breathitt		13
WX21025030	Roark Branch Water Line Extension	0-2 Years	Partially Funded	\$67,000	Breathitt		14
WX21025009	Breathitt - Hwy 378/394 Water Line Extensions (Frozen Area Phase II)	3-5 Years	Partially Funded	\$3,470,000	Breathitt		15
WX21025028	Breathitt And Perry County Waterline Interconnection	3-5 Years	Partially Funded	\$1,220,000	Breathitt		16
WX21025008	Breathitt County Hwy 30 East and KY 542 Lambric Waterline Extensions	3-5 Years	Not Funded	\$1,500,000	Breathitt		17
WX21025036	Puncheon Creek Water Line	3-5 Years	Not Funded	\$223,000	Breathitt		18



Breathitt County (continued)

System Summary for Jackson Municipal Water Works

PWSID	KY0130208	Treats Water	No
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	\$28.44 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$41.60 per 4,000 gallons.	Total Connections	2,405
Residential Customers	2,207	Total Produced (MG)	310.820
Commercial Customers	198	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	133.433
Industrial Customers	-	Total Wholesale Sold (MG)	66.742
Wholesale Customers	1	Estimated Pct. Water Loss	36%
Total Distribution System Line Length = 76.63 miles (Distribution: 75.31 miles, Transmission: 1.32 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
WX21025511	Jackson HWY 15 Water Improvement Project	3-5 Years	Not Funded	\$990,000	Breathitt	1	1
WX21025101	Jackson - Hospital Water Tank Project	3-5 Years	Not Funded	\$1,210,000	Breathitt		

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 611.41 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: \$4,736,000.
- Estimated funding needs for projects from 6 to 10 years: \$1,709,000.



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 74 serviceable households will be added through the construction of 7.00 miles of water line extensions and approximately 17,906 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)
			Unserviced	Underserved			
City of Olive Hill	1	\$525,000	32	6	2.00	-	-
Garrison-Quincy-Ky-O-Heights Water District	1	\$1,709,000	19	-	2.00	-	-
Grayson Utility Commission	7	\$3,436,000	23	17,500	3.00	-	-
Rattlesnake Ridge Water District	1	\$680,000	-	100	-	-	-
Totals:	10	\$6,350,000	74	17,606	7.00	-	-

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
KY0220164	Grayson Water Department	Carter	10,448	4,434
KY0220335	Olive Hill Water Department	Carter	5,021	2,366
KY0220555	Rattlesnake Ridge Water District	Carter	6,775	3,071
KY0100944	Big Sandy Water District	Boyd	1,968	844
KY0680438	Vanceburg Water	Lewis	35	18
KY1030375	Rowan Water, Inc	Rowan	1,823	831
		Totals:	26,070	11,564



WATER SERVICE AREAS CARTER COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

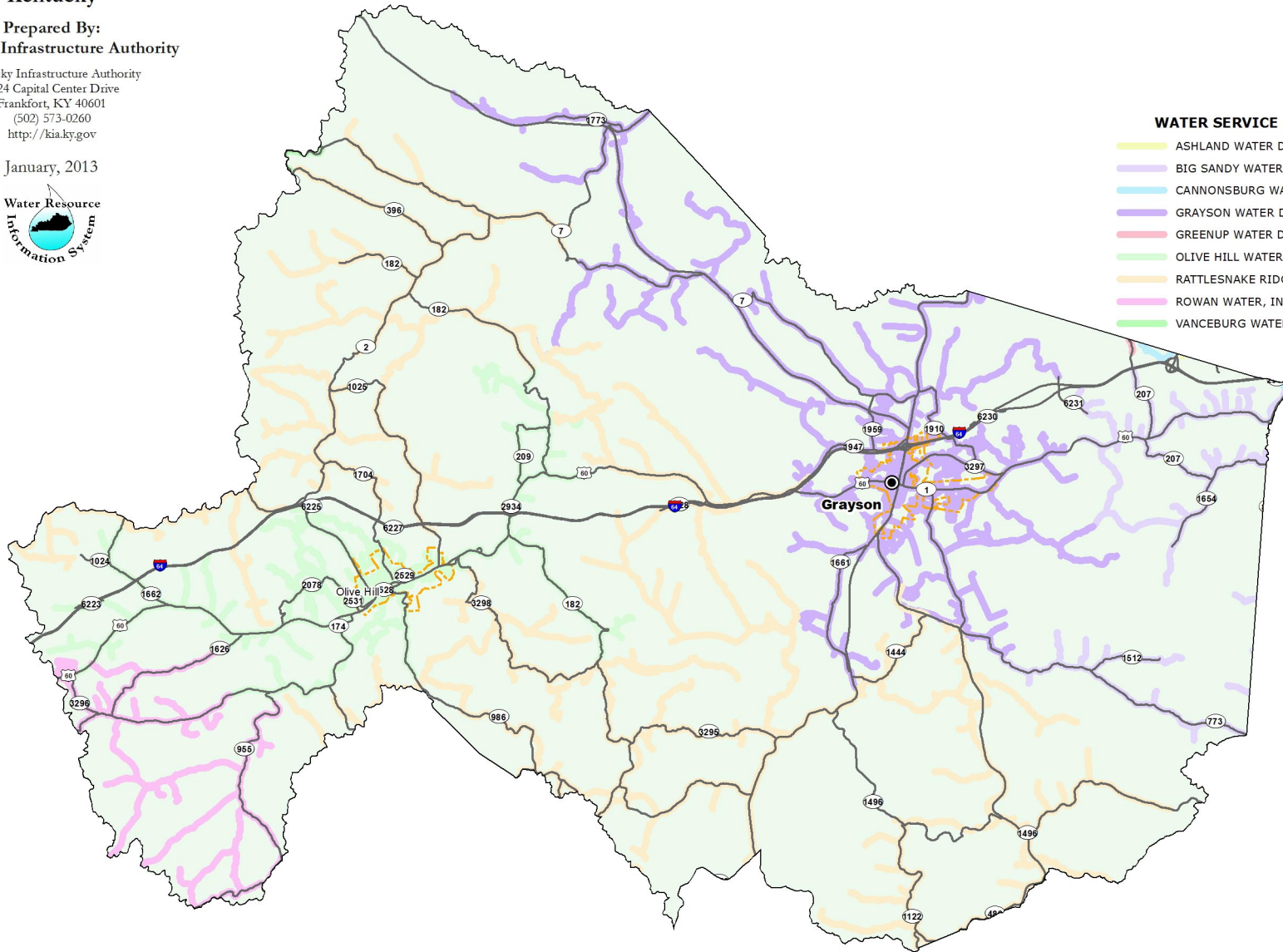
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January, 2013



WATER SERVICE BY OWNER

- ASHLAND WATER DEPARTMENT
- BIG SANDY WATER DISTRICT
- CANNONSBURG WATER DISTRICT
- GRAYSON WATER DEPARTMENT
- GREENUP WATER DEPARTMENT
- OLIVE HILL WATER DEPARTMENT
- RATTLESNAKE RIDGE WATER DISTRICT
- ROWAN WATER, INC
- VANCEBURG WATER



Carter County (continued)

System Summary for Grayson Water Department

PWSID	KY0220164	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	27	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$22.80 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	\$28.23 per 4,000 gallons.	Total Connections	4,120
Residential Customers	2,758	Total Produced (MG)	618.865
Commercial Customers	1,359	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	350.953
Industrial Customers	2	Total Wholesale Sold (MG)	2.605
Wholesale Customers	1	Estimated Pct. Water Loss	43%
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 Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21043038	Grayson: WTP Emergency Power Generators	0-2 Years	Not Funded	\$333,000	Carter	2	1
WX21043040	Grayson: Keyhoe Water Line Extension Phase 2	0-2 Years	Not Funded	\$150,000	Carter	6	5
WX21043037	Grayson: WTP Flocculation & Clarification System	0-2 Years	Not Funded	\$2,638,000	Carter	8	3
WX21043031	Grayson: Stewart Branch Waterline Extension	0-2 Years	Not Funded	\$100,000	Carter		
WX21043011	Grayson: In-Line Chlorinator Booster Stations	0-2 Years	Not Funded	\$90,000	Carter		
WX21043010	Grayson: Fire Hydrant Upgrade	0-2 Years	Not Funded	\$75,000	Carter		
WX21043012	Grayson: Radio Telemetry for Booster Stations	0-2 Years	Not Funded	\$50,000	Carter		



Carter County (continued)

System Summary for Olive Hill Water Department

PWSID	KY0220335	Treats Water	No
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	6	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	2,261
Residential Customers	2,088	Total Produced (MG)	285.889
Commercial Customers	173	Total Purchased (MG)	1.249
Institutional Customers	-	Total Inside Usage (MG)	224.820
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 101.84 miles (Distribution: 101.84 miles, Transmission: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21043025	Olive Hill: Line Extensions and Upgrades	0-2 Years	Partially Funded	\$525,000	Carter	9	2



Carter County (continued)

System Summary for Rattlesnake Ridge Water District

PWSID	KY0220555	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$36.20 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	4,020
Residential Customers	3,915	Total Produced (MG)	466.558
Commercial Customers	74	Total Purchased (MG)	2.605
Institutional Customers	-	Total Inside Usage (MG)	412.389
Industrial Customers	-	Total Wholesale Sold (MG)	6.211
Wholesale Customers	3	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 455.12 miles (Distribution: 455.12 miles, Transmission: 0.00 miles).			

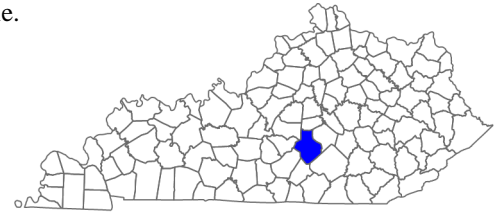
MG = Million Gallons.
 MGD = Million Gallons per Day.

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
WX21043009	RRWD: McConnell Branch Water Tank Replacement	0-2 Years	Not Funded	\$680,000	Carter		

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 647.98 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)
			Unserviced	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	11,956	5,705
KY0230987	Liberty Water & Gas	Casey	2,298	1,002
KY0110345	Parksville Water District	Boyle	81	43
KY1000124	Eubank Water System	Pulaski	1,125	493
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	67	32
		Totals:	15,527	7,275



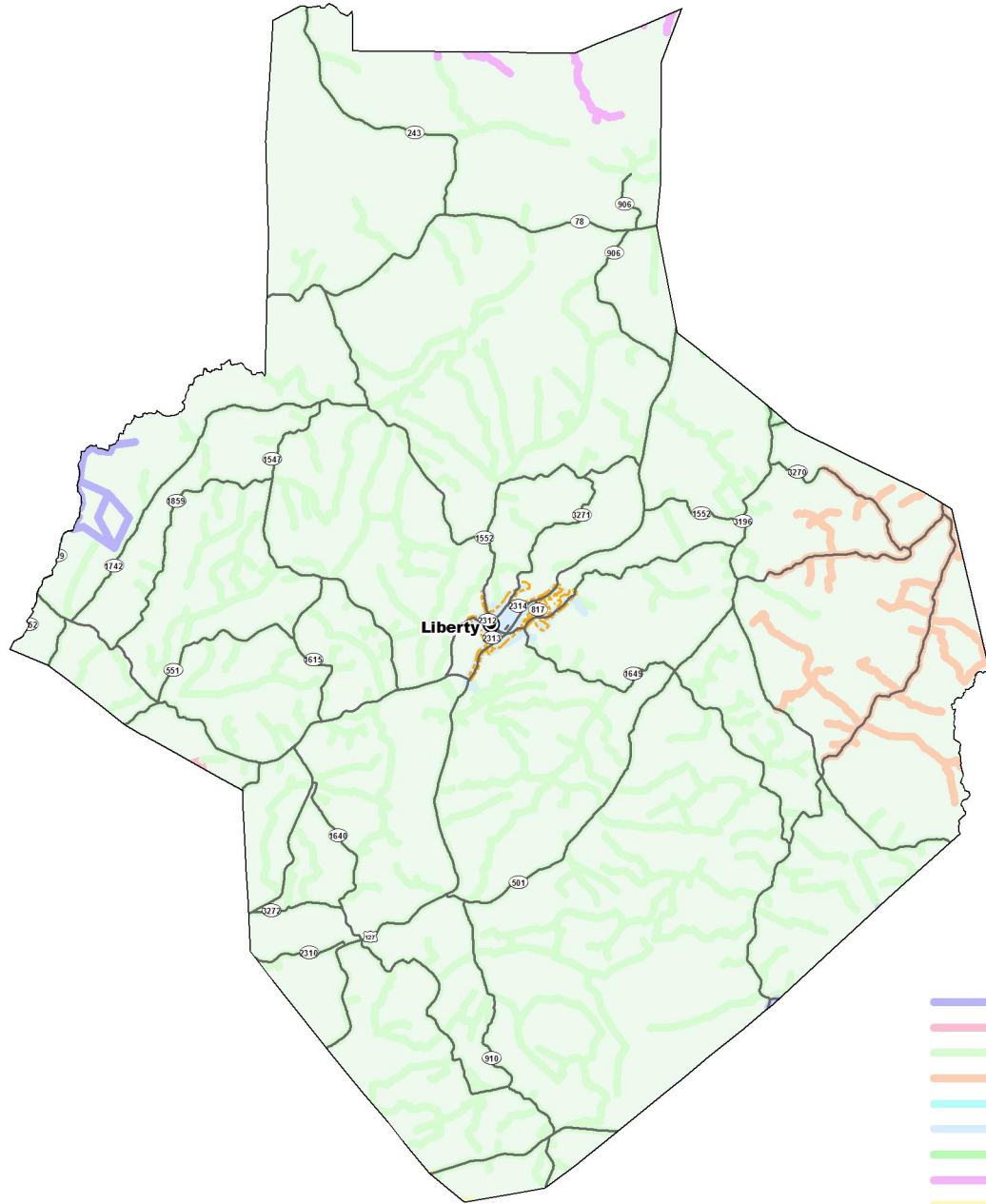
WATER SERVICE AREAS CASEY COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- CAMPBELLVILLE MUNICIPAL WATER & SEWER SYSTEM
- COLUMBIA/ADAIR UTILITIES DISTRICT
- EAST CASEY COUNTY WATER DISTRICT
- EUBANK WATER SYSTEM
- HUSTONVILLE WATER WORKS
- LIBERTY WATER & GAS
- MCKINNEY WATER DISTRICT
- PARKSVILLE WATER DISTRICT
- RUSSELL SPRINGS SEWER & WATER WORKS
- WESTERN PULASKI COUNTY WATER DISTRICT

Casey County (continued)

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	4,527
Residential Customers	4,446	Total Produced (MG)	-
Commercial Customers	65	Total Purchased (MG)	256.656
Institutional Customers	-	Total Inside Usage (MG)	201.516
Industrial Customers	6	Total Wholesale Sold (MG)	0.944
Wholesale Customers	1	Estimated Pct. Water Loss	21%
Total Distribution System Line Length = 559.64 miles (Distribution: 559.64 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		



Casey County (continued)

System Summary for Liberty Water & Gas

PWSID	KY0230987	Treats Water	No
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$23.05 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$29.26 per 4,000 gallons.	Total Connections	984
Residential Customers	773	Total Produced (MG)	333.778
Commercial Customers	209	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	80.550
Industrial Customers	1	Total Wholesale Sold (MG)	196.891
Wholesale Customers	1	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 28.19 miles (Distribution: 24.64 miles, Transmission: 3.55 miles).			

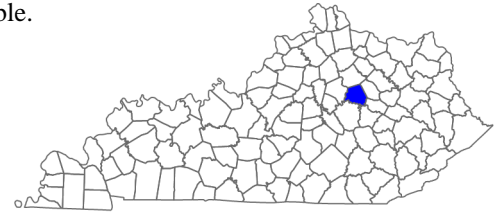
MG = Million Gallons.
 MGD = Million Gallons per Day.

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		

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 449.12 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 18.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$64,214,075.
- 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 38,731 instances of improved service through the rehabilitation of 5.00 miles of existing water lines and other appurtenances. 18.00 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)
			Unserviced	Underserved			
East Clark County Water District	3	\$2,793,360	-	92	-	4.00	-
Winchester Municipal Utilities Commission	10	\$67,098,295	14	38,639	6.00	1.00	18.00
Totals:	13	\$69,891,655	14	38,731	6.00	5.00	18.00

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



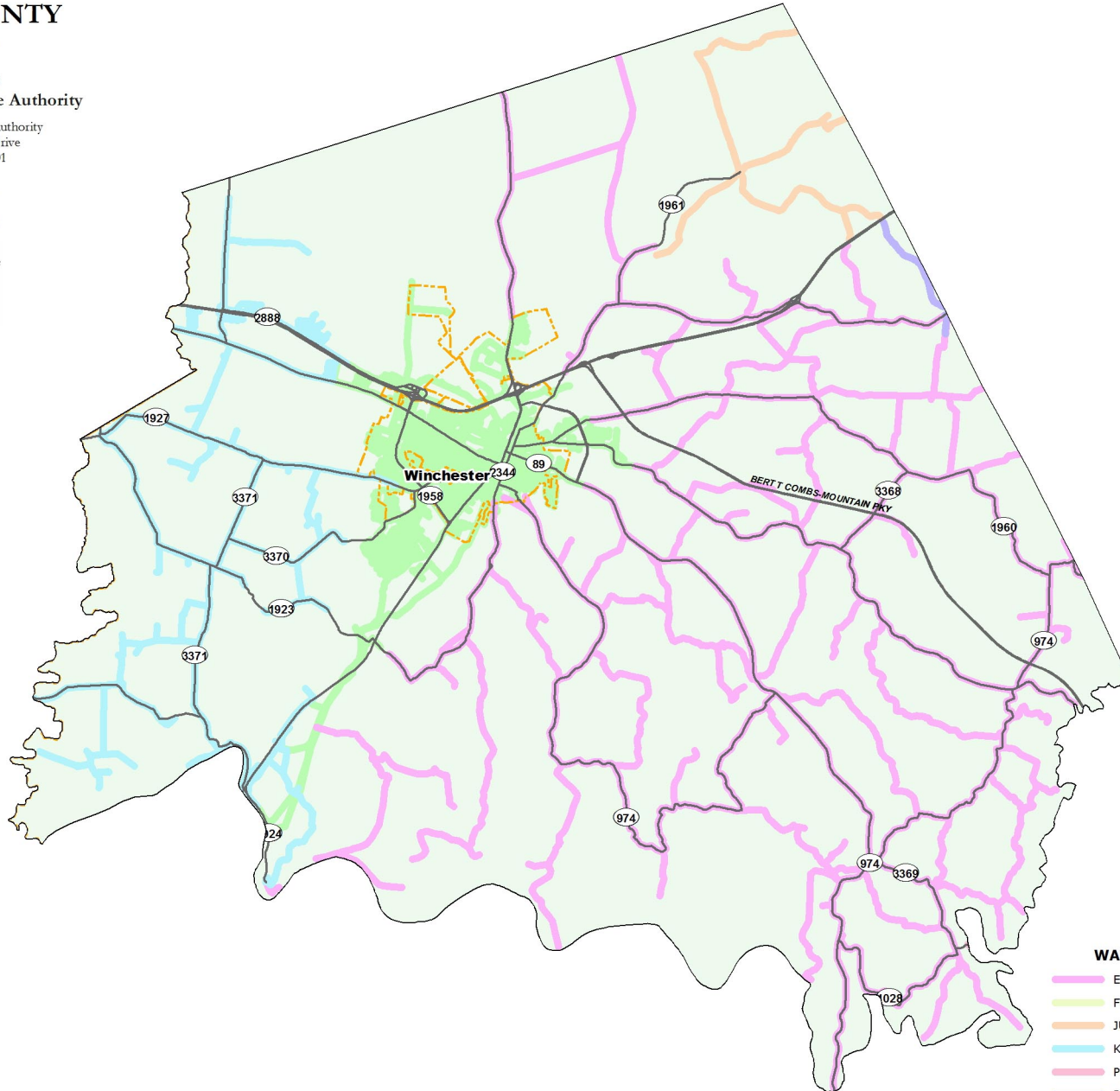
WATER SERVICE AREAS CLARK COUNTY

Kentucky

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WATER SERVICE BY OWNER

- EAST CLARK COUNTY WATER DISTRICT
- FORT BOONESBOROUGH STATE PARK
- JUDY WATER ASSOCIATION
- KENTUCKY-AMERICAN WATER COMPANY
- POWELLS VALLEY WATER DISTRICT
- REID VILLAGE WATER DISTRICT
- WINCHESTER MUNICIPAL UTILITIES

Clark County (continued)

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	2,400
Residential Customers	2,400	Total Produced (MG)	-
Commercial Customers	19	Total Purchased (MG)	124.276
Institutional Customers	-	Total Inside Usage (MG)	110.533
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%
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 - 6.0 MGD	0-2 Years	Not Funded	\$39,000,100	Clark		
WX21049034	Finished Water Transmission Improvements	0-2 Years	Not Funded	\$14,100,000	Clark		
WX21049005	Winchester Raw Water Pump Station/Main Upgrade	3-5 Years	Not Funded	\$6,300,000	Clark		
WX21049029	KY 15 Tank Ecton Road Pump Station	0-2 Years	Partially Funded	\$1,480,300	Clark		
WX21049036	ECCWD - Ecton Road and Little Stoner Road Water Line Upgrade	0-2 Years	Partially Funded	\$680,000	Clark		
WX21049019	East Clark County Water District Water Line and Pump Station Project	6-10 Years	Not Funded	\$633,060	Clark		



Clark County (continued)

System Summary for Winchester Municipal Utilities

PWSID	KY0250473	Treats Water	No
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 3 purchasers.
Inside Mun. Cost	\$23.52 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	\$30.29 per 4,000 gallons.	Total Connections	11,765
Residential Customers	10,853	Total Produced (MG)	1,478.250
Commercial Customers	849	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	4.000
Industrial Customers	60	Total Wholesale Sold (MG)	151.472
Wholesale Customers	3	Estimated Pct. Water Loss	89%
Total Distribution System Line Length = 162.23 miles (Distribution: 157.82 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
WX21049037	Lisletown Road Water Line Extension	0-2 Years	Not Funded	\$206,675	Clark	17	2
WX21049015	Water Treatment Plant - 6.0 MGD	0-2 Years	Not Funded	\$39,000,100	Clark		
WX21049034	Finished Water Transmission Improvements	0-2 Years	Not Funded	\$14,100,000	Clark		
WX21049005	Winchester Raw Water Pump Station/Main Upgrade	3-5 Years	Not Funded	\$6,300,000	Clark		
WX21049009	Colby Road/Lexington Road Waterline Connector	6-10 Years	Not Funded	\$3,795,000	Clark		
WX21049035	Veterans Highway Water Transmission	6-10 Years	Not Funded	\$1,249,520	Clark		
WX21049025	Ecton Road Elevated Storage Tank Rehabilitation	3-5 Years	Not Funded	\$800,000	Clark		
WX21049018	Manor / Windridge Drive Water System Improvements	0-2 Years	Not Funded	\$675,000	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		



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: \$9,050,200.
- Estimated funding needs for projects from 6 to 10 years: \$1,510,000.



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 16,271 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)
			Unserviced	Underserved			
City of Booneville	1	\$252,000	1	-	-	-	-
City of Manchester	8	\$7,519,500	3,331	15,248	7.00	19.00	-
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:	12	\$10,560,200	3,347	16,271	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



WATER SERVICE AREAS CLAY COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

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

Clay County (continued)

System Summary for Manchester Water Works

PWSID	KY0260737	Treats Water	No
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	4,202
Residential Customers	7,592	Total Produced (MG)	693.500
Commercial Customers	113	Total Purchased (MG)	14.793
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
WX21051007	Big Creek Booster Pump Station Replacement	0-2 Years	Not Funded	\$400,000	Clay	5	1
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	\$900,000	Clay	21	3
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	\$1,000,000	Clay	28	5
WX21051005	Water Tank Project	3-5 Years	Not Funded	\$1,700,000	Clay	31	4
WX21051003	Downtown Water Line Replacement	3-5 Years	Not Funded	\$1,264,500	Clay	37	6
WX21051002	Horse Creek Asbestos Water Line Replacement	3-5 Years	Not Funded	\$680,000	Clay	38	7
WX21051004	High Service Line Replacement	6-10 Years	Not Funded	\$1,510,000	Clay		
WX21125453	East Laurel: Hwy 229, Hwy 830 & Hwy 1189 Reinforcements	3-5 Years	Not Funded	\$1,069,200	Laurel		
WX21051009	Raw Water Pump Replacement - Goose Creek Intake	0-2 Years	Not Funded	\$65,000	Clay		



Clay County (continued)

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
WX21051008	Waterline Extensions in Clay County	3-5 Years	Not Funded	\$900,000	Clay	21	3
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	3-5 Years	Not Funded	\$526,700	Clay	34	2
WX21051010	New Water Meters	3-5 Years	Not Funded	\$62,000	Clay		



Clinton County

- 2010 census population of 10,272 (5,311 households) with 97% serviceable.
- Projected 2020 population of 10,896 (change of 624).
- Clinton County has 336.60 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: \$2,195,000.
- 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 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 0.00 miles of water line extensions and approximately 76 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	5	\$5,122,700	1	76	-	4.00	12.00
Totals:	5	\$5,122,700	1	76	-	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	92	47
KY1160291	Monticello Utility Commission	Wayne	30	14
		Totals:	10,011	5,165



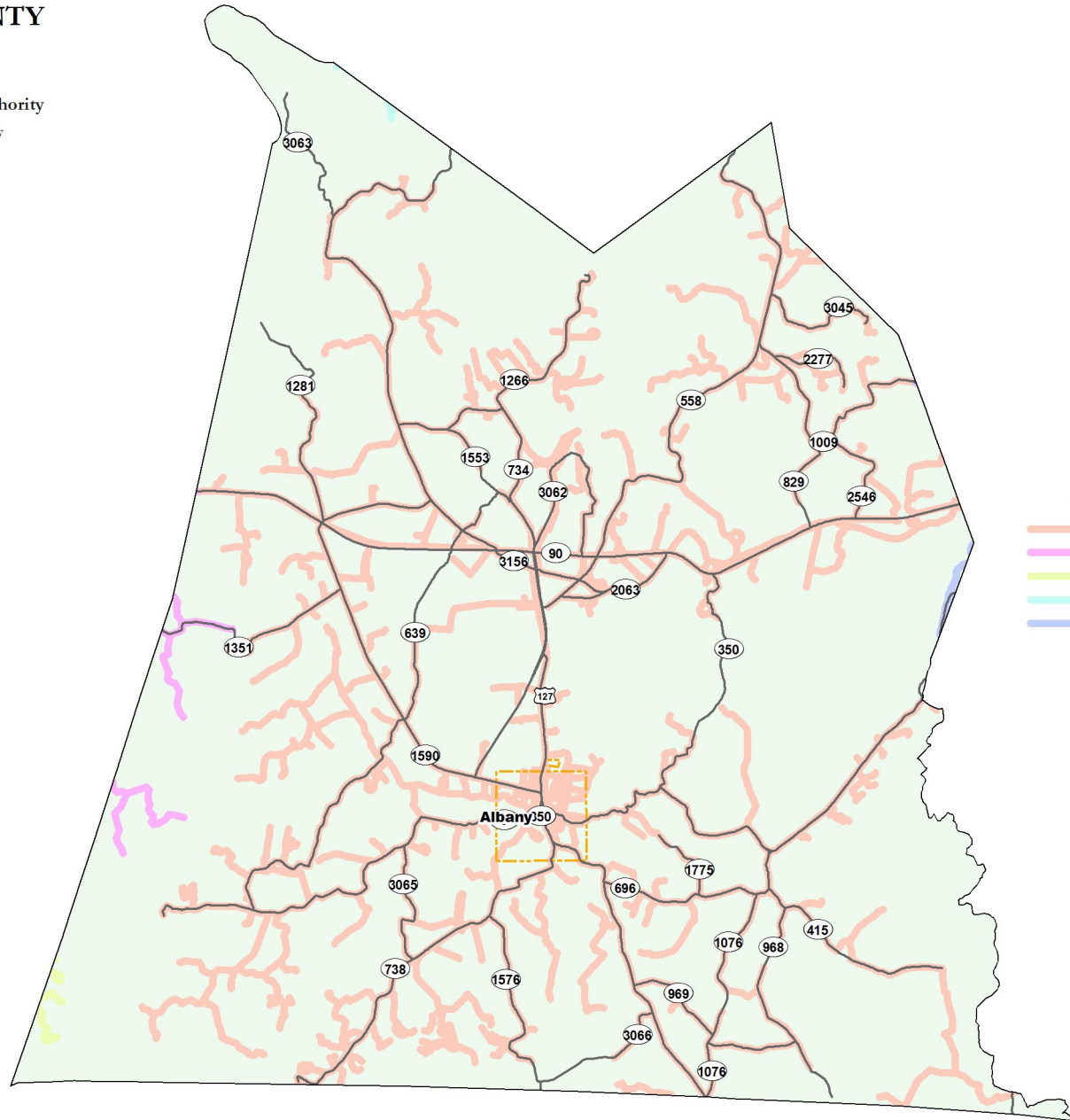
WATER SERVICE AREAS CLINTON COUNTY

Kentucky

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WATER SERVICE BY OWNER

- ALBANY MUNICIPAL WATER & SEWER
- CUMBERLAND COUNTY WATER DISTRICT
- DALE HOLLOW LAKE STATE RESORT PARK
- JAMESTOWN UTILITIES
- MONTICELLO UTILITY COMMISSION

Clinton County (continued)

System Summary for Albany Municipal Water & Sewer

PWSID	KY0270003	Treats Water	No
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	\$17.54 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	\$24.05 per 4,000 gallons.	Total Connections	5,525
Residential Customers	5,462	Total Produced (MG)	1,336.966
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	938.540
Industrial Customers	-	Total Wholesale Sold (MG)	69.688
Wholesale Customers	1	Estimated Pct. Water Loss	25%
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		
WX21053013	KY HWY 90 (Bluegrass Stockyards) Water Relocation & Development	3-5 Years	Not Funded	\$122,000	Clinton		

Cumberland County

- 2010 census population of 6,856 (3,690 households) with 94% serviceable.
- Projected 2020 population of 6,649 (change of -207).
- Cumberland County has 321.11 miles of existing water lines.
- 26.00 miles of line extensions proposed in the next 10 years.
- 9.00 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: \$4,699,000.
- 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 94 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 26.00 miles of water line extensions and approximately 316 instances of improved service through the rehabilitation of 9.00 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 Burkesville	1	\$745,000	2	200	2.00	-	-
Cumberland County Water District	5	\$4,209,000	36	116	24.00	9.00	2.00
Totals:	6	\$4,954,000	38	316	26.00	9.00	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	1,912	952
KY0290271	Cumberland County Water District	Cumberland	4,478	2,442
KY0860150	Monroe County Water District	Monroe	43	25
		Totals:	6,433	3,419



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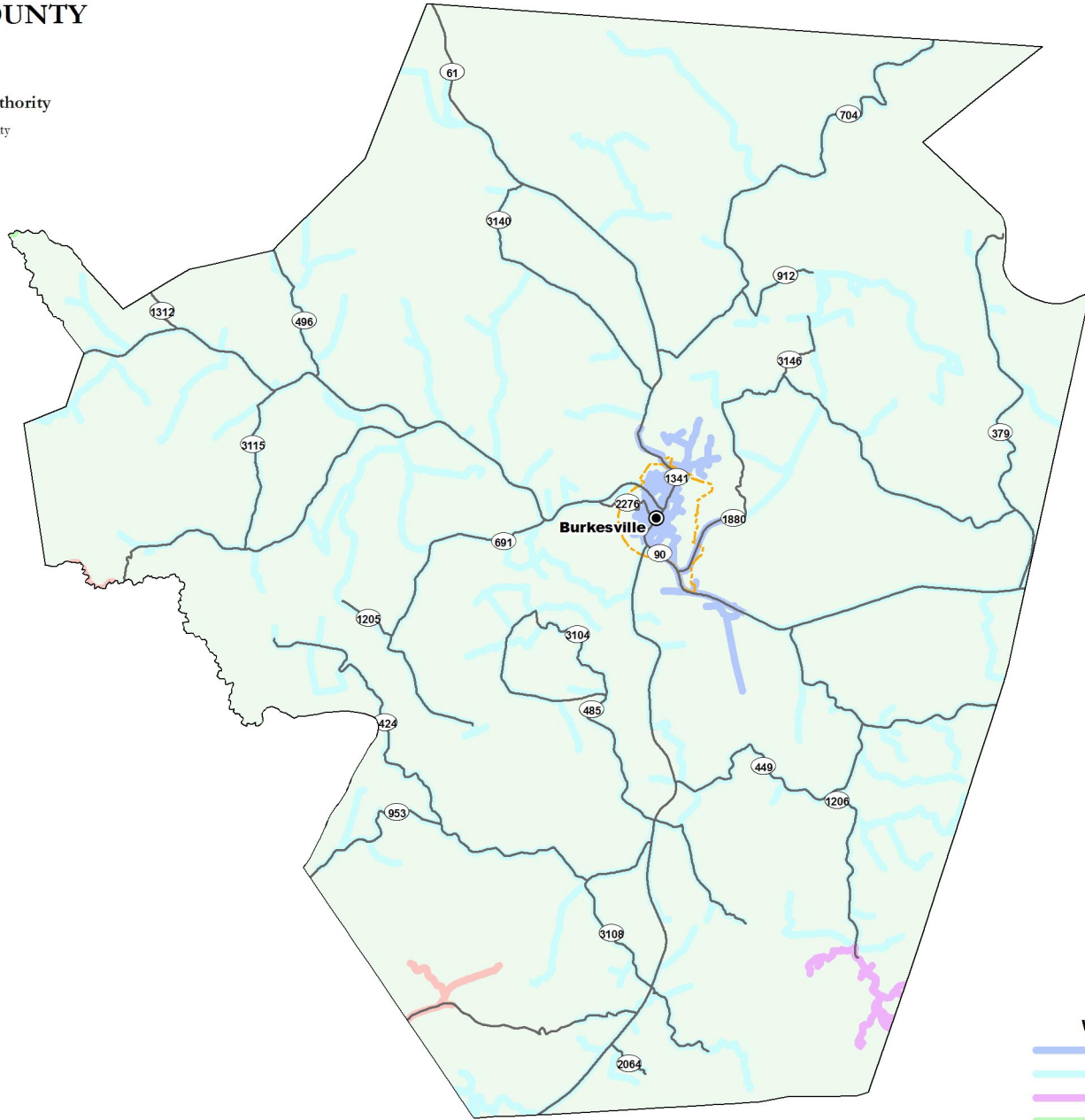
WATER SERVICE AREAS CUMBERLAND COUNTY

Kentucky

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WATER SERVICE BY OWNER

- BURKESVILLE MUNICIPAL WATER WORKS
- CUMBERLAND COUNTY WATER DISTRICT
- DALE HOLLOW LAKE STATE RESORT PARK
- EDMONTON WATER WORKS
- MONROE COUNTY WATER DISTRICT

Cumberland County (continued)

System Summary for Burkesville Municipal Water Works

PWSID	KY0290049	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$29.66 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$43.25 per 4,000 gallons.	Total Connections	829
Residential Customers	673	Total Produced (MG)	227.755
Commercial Customers	152	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	104.289
Industrial Customers	3	Total Wholesale Sold (MG)	111.375
Wholesale Customers	1	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 33.54 miles (Distribution: 33.26 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
WX21057017	KY S.R. 61 Water Distribution Extension	3-5 Years	Not Funded	\$745,000	Cumberland	6	2
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	7	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	2,474
Residential Customers	2,427	Total Produced (MG)	-
Commercial Customers	38	Total Purchased (MG)	181.062
Institutional Customers	-	Total Inside Usage (MG)	132.255
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	27%
Total Distribution System Line Length = 282.61 miles (Distribution: 280.93 miles, Transmission: 1.67 miles).			

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

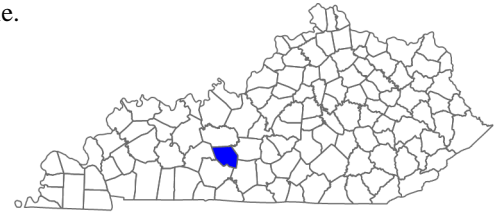
Project Summary (Top 18 Approved, 0-5 years) for Cumberland County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21057013	2014 Water System Improvements	3-5 Years	Not Funded	\$1,010,000	Cumberland	5	1
WX21171045	Monroe County Water District - Treatment Plant Upgrade Phase 2	3-5 Years	Not Funded	\$13,850,000	Monroe		
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		
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		



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 431.50 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: \$4,675,203.
- 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 256 serviceable households will be added through the construction of 11.00 miles of water line extensions and approximately 1,260 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	6	\$4,435,203	256	1,260	11.00	2.00	-
Totals:	7	\$4,675,203	256	1,260	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	691	349
KY0310114	Edmonson County Water District	Edmonson	11,068	5,926
KY0050929	Glasgow Water Company	Barren	112	42
KY1140487	Warren County Water District	Warren	90	39
		Totals:	11,961	6,356



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WATER SERVICE AREAS EDMONSON COUNTY

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January, 2013



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

Edmonson County (continued)

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	348	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 = 9.16 miles (Distribution: 9.16 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	16	2

Edmonson County (continued)

System Summary for Edmonson County Water District

PWSID	KY0310114	Treats Water	No
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	21	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$23.25 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 17 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	9,983
Residential Customers	9,977	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 = 671.65 miles (Distribution: 671.41 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	\$977,075	Edmonson	5	1
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	\$977,075	Hart	21	3
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	\$1,061,585	Edmonson	22	3
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	\$176,000	Edmonson	33	4
WX21061006	Edmonson County Water District: 2012 Emergency Needs Project	0-2 Years	Not Funded	\$895,000	Edmonson		
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	\$348,468	Grayson		

Edmonson County (continued)

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	51	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 = 14.13 miles (Distribution: 14.13 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Mammoth Cave

Elliott County

- 2010 census population of 7,852 (3,371 households) with 91% serviceable.
- Projected 2020 population of 8,078 (change of 226).
- Elliott County has 268.44 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.



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 91 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 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	3,446	1,362
KY0220555	Rattlesnake Ridge Water District	Carter	3,289	1,449
KY1030375	Rowan Water, Inc	Rowan	497	257
Totals:			7,232	3,068



WATER SERVICE AREAS ELLIOTT COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- RATTLESNAKE RIDGE WATER DISTRICT
- ROWAN WATER, INC
- SANDY HOOK WATER DISTRICT

Elliott County (continued)

System Summary for Sandy Hook Water District

PWSID	KY0320383	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 6 sources.
Employees	6	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	1,286
Residential Customers	1,080	Total Produced (MG)	70.077
Commercial Customers	84	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	63.314
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%
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

Estill County

- 2010 census population of 14,672 (6,865 households) with 97% serviceable.
- Projected 2020 population of 14,359 (change of -313).
- Estill County has 334.07 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: \$4,537,500.
- Estimated funding needs for projects from 6 to 10 years: \$680,450.



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 97 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 0.00 miles of water line extensions and approximately 1,991 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 Irvine	1	\$4,537,500	-	1,991	-	-	-
Jackson County Water Association Inc	1	\$680,450	2	-	-	-	-
Totals:	2	\$5,217,950	2	1,991	-	-	-

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	9,288	4,220
KY0330205	Irvine Municipal Utilities	Estill	4,526	2,225
KY0550209	Jackson County Water Association Inc	Jackson	41	20
KY0990357	Powells Valley Water District	Powell	391	195
		Totals:	14,246	6,660



WATER SERVICE AREAS ESTILL COUNTY

Kentucky





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WATER SERVICE BY OWNER

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

Estill County (continued)

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	\$32.42 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	3,782
Residential Customers	3,631	Total Produced (MG)	-
Commercial Customers	131	Total Purchased (MG)	261.813
Institutional Customers	-	Total Inside Usage (MG)	187.376
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 274.02 miles (Distribution: 274.02 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	\$4,537,500	Estill		
WX21137025	Eubank, Ky Water Meter Replacement Program	0-2 Years	Not Funded	\$53,500	Lincoln		

Estill County (continued)

System Summary for Irvine Municipal Utilities

PWSID	KY0330205	Treats Water	No
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	\$20.29 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$27.73 per 4,000 gallons.	Total Connections	2,150
Residential Customers	1,803	Total Produced (MG)	530.000
Commercial Customers	164	Total Purchased (MG)	-
Institutional Customers	3	Total Inside Usage (MG)	267.184
Industrial Customers	1	Total Wholesale Sold (MG)	261.280
Wholesale Customers	1	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 49.74 miles (Distribution: 49.69 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	\$4,537,500	Estill		

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 482.49 miles of existing water lines.
- 6.00 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: \$2,386,000.
- Estimated funding needs for projects from 6 to 10 years: \$5,449,000.



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 5,896 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)
			Unserviced	Underserved			
City of Flemingsburg	5	\$1,595,000	-	3,039	3.00	1.00	-
Fleming County Water Association Inc	1	\$501,000	-	1,000	2.00	-	-
Rowan Water Inc	1	\$600,000	-	-	-	-	-
Western Fleming County Water District	3	\$5,139,000	38	1,857	1.00	18.00	-
Totals:	10	\$7,835,000	38	5,896	6.00	19.00	-

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	8,291	3,708
KY0350134	Flemingsburg Water	Fleming	2,914	1,493
KY0910675	Western Fleming Water District	Fleming	2,751	1,233
KY1030375	Rowan Water, Inc	Rowan	85	38
		Totals:	14,041	6,472



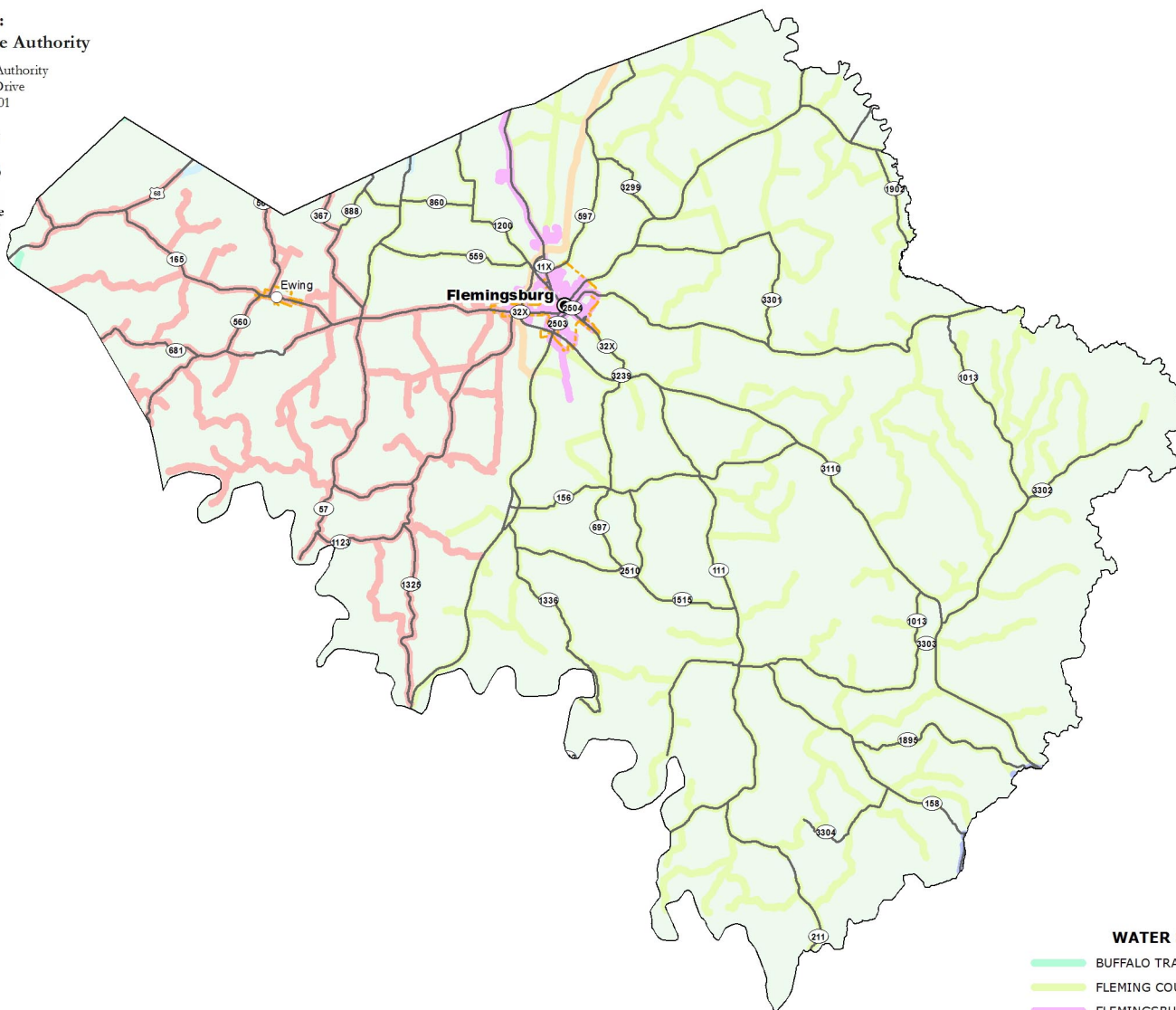
WATER SERVICE AREAS FLEMING COUNTY

Kentucky

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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

Fleming County (continued)

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	\$30.20 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	4,033
Residential Customers	3,212	Total Produced (MG)	-
Commercial Customers	560	Total Purchased (MG)	281.162
Institutional Customers	-	Total Inside Usage (MG)	238.095
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 380.87 miles (Distribution: 380.87 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
WX21069022	FCWA 12" Bypass Water Line	3-5 Years	Not Funded	\$501,000	Fleming	28	6

Fleming County (continued)

System Summary for Flemingsburg Water

PWSID	KY0350134	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	\$34.74 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$45.62 per 4,000 gallons.	Total Connections	1,509
Residential Customers	1,509	Total Produced (MG)	32.835
Commercial Customers	-	Total Purchased (MG)	151.000
Institutional Customers	-	Total Inside Usage (MG)	142.225
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 32.44 miles (Distribution: 27.66 miles, Transmission: 4.77 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
WX21069037	Phase 2 - Flemingsburg Bypass Water Line Extension	0-2 Years	Not Funded	\$525,000	Fleming	2	1
WX21069034	Flemingsburg Water - East Water Street Water Line Replacement	3-5 Years	Not Funded	\$215,000	Fleming	9	2
WX21069036	City of Flemingsburg Crestview Water Line Replacement	0-2 Years	Not Funded	\$245,000	Fleming	19	4
WX21069033	Flemingsburg Telemetry	3-5 Years	Not Funded	\$260,000	Fleming	34	8
WX21069018	Flemingsburg Automatic Read Meters	6-10 Years	Not Funded	\$350,000	Fleming	40	10

Fleming County (continued)

System Summary for Greater Fleming Regional Water Commission

PWSID	KY0351008	Treats Water	No
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 3 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)	458.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	7.000
Industrial Customers	-	Total Wholesale Sold (MG)	421.175
Wholesale Customers	3	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 20.92 miles (Distribution: 0.00 miles, Transmission: 20.92 miles).			

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

There are no immediate projects for Greater Fleming Regional Water Commission

Fleming County (continued)

System Summary for Western Fleming Water District

PWSID	KY0910675	Treats Water	No
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	\$29.18 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	1,457
Residential Customers	1,432	Total Produced (MG)	341.560
Commercial Customers	18	Total Purchased (MG)	36.500
Institutional Customers	-	Total Inside Usage (MG)	131.804
Industrial Customers	-	Total Wholesale Sold (MG)	227.123
Wholesale Customers	2	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 124.75 miles (Distribution: 124.57 miles, Transmission: 0.18 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
WX21069030	WFWD-Nepton Rd & Connector Rd	3-5 Years	Not Funded	\$40,000	Fleming	12	3
WX21069032	Western Fleming AC Replacement	6-10 Years	Not Funded	\$5,049,000	Fleming	22	5
WX21069035	WFWD-Office Upgrade	6-10 Years	Not Funded	\$50,000	Fleming	31	7
WX21069010	Western Fleming Water District Automatic Read Meters	3-5 Years	Not Funded	\$170,150	Fleming	37	9

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 624.75 miles of existing water lines.
- 16.00 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: \$14,903,142.
- Estimated funding needs for projects from 6 to 10 years: \$1,021,053.



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 7,165 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)
			Unserviced	Underserved			
Knott County Water & Sewer District	1	\$4,084,500	-	-	1.00	-	-
Prestonsburg City's Utilities Commission	2	\$1,235,063	-	-	-	-	-
Salyersville Water Works	1	\$350,000	-	-	-	-	-
Southern Water & Sewer District	7	\$6,936,379	75	7,165	15.00	21.00	-
Wheelwright Utilities Commission	5	\$3,318,253	-	-	-	-	-
Totals:	16	\$15,924,195	75	7,165	16.00	21.00	-

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	651	374
KY0360358	Prestonsburg City's Utilities Commission	Floyd	16,748	7,663
KY0360026	Southern Water & Sewer District	Floyd	18,354	8,454
KY0360463	Wheelwright Utilities Commission	Floyd	1,491	650
KY0580340	Paintsville Utility Commission	Johnson	46	20
KY0770525	Magoffin County Water District	Magoffin	167	68
KY0980575	Mountain Water District	Pike	45	18
Totals:			37,502	17,247



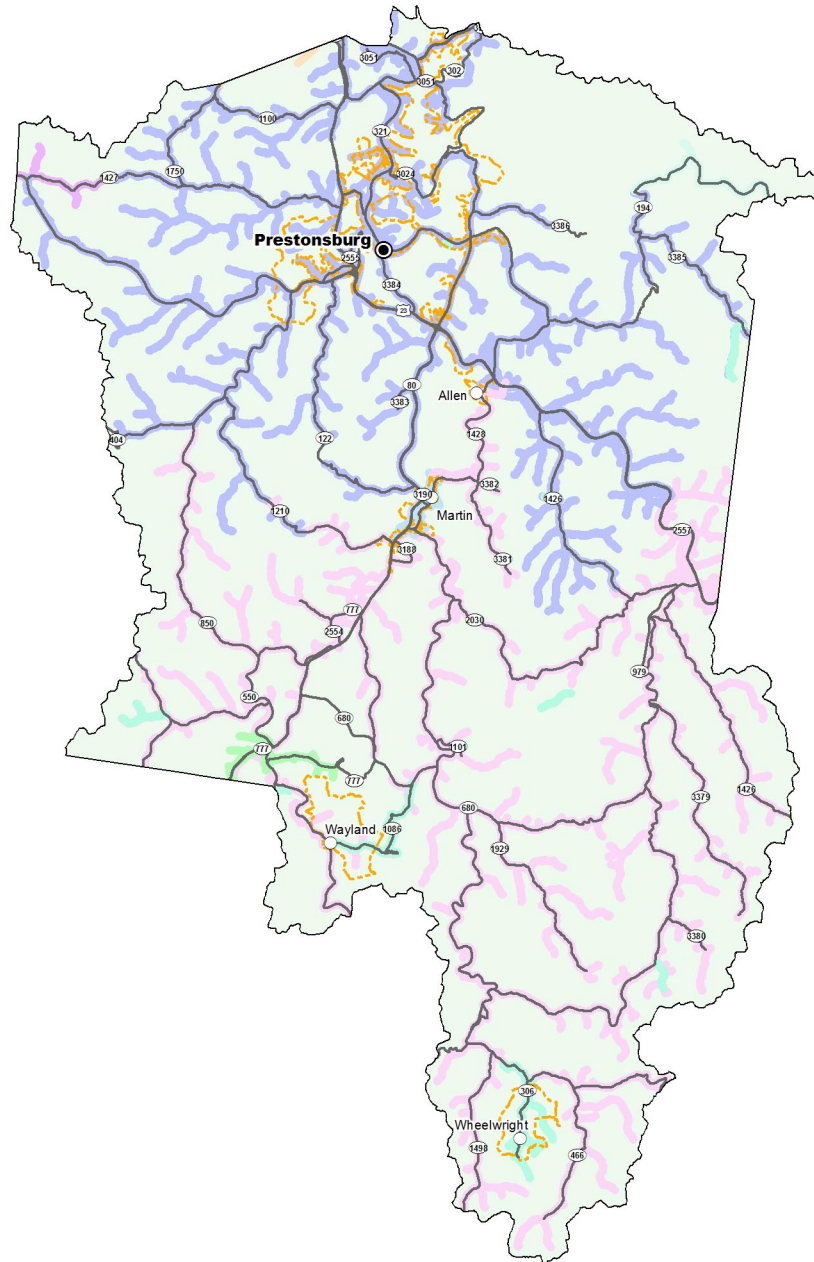
WATER SERVICE AREAS FLOYD COUNTY

Kentucky

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January, 2013



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

Floyd County (continued)

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	\$33.60 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	462
Residential Customers	404	Total Produced (MG)	-
Commercial Customers	58	Total Purchased (MG)	44.288
Institutional Customers	-	Total Inside Usage (MG)	29.544
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	33%
Total Distribution System Line Length = 9.42 miles (Distribution: 9.42 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Martin Water Works

Floyd County (continued)

System Summary for Prestonsburg City's Utilities Commission

PWSID	KY0360358	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	51	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	\$23.20 per 4,000 gallons.	Storage Capacity	Yes, 26 tanks with total capacity of 5.000 MG.
Outside Mun. Cost	\$29.88 per 4,000 gallons.	Total Connections	7,840
Residential Customers	6,960	Total Produced (MG)	847.000
Commercial Customers	862	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	590.000
Industrial Customers	-	Total Wholesale Sold (MG)	44.288
Wholesale Customers	3	Estimated Pct. Water Loss	25%
Total Distribution System Line Length = 311.32 miles (Distribution: 311.28 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	\$1,088,085	Floyd		
WX21071222	PCUC - Fire Hydrants	0-2 Years	Not Funded	\$146,978	Floyd		

Floyd County (continued)

System Summary for Southern Water & Sewer District

PWSID	KY0360026	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	25	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	\$39.74 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	6,998
Residential Customers	6,998	Total Produced (MG)	603.300
Commercial Customers	113	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	577.000
Industrial Customers	-	Total Wholesale Sold (MG)	16.000
Wholesale Customers	1	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 311.61 miles (Distribution: 310.28 miles, Transmission: 1.32 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
WX21071007	Southern Water - Water Treatment Plant Improvements	3-5 Years	Not Funded	\$757,659	Floyd	3	1
WX21071004	Waterline Replacement From Allen Tank to Martin Tank	3-5 Years	Not Funded	\$2,327,870	Floyd		
WX21071006	Southern Water and Sewer District	0-2 Years	Not Funded	\$1,223,050	Floyd		
WX21071731	Southern Water & Sewer District – Water Meter Change Out Program	3-5 Years	Not Funded	\$1,200,000	Floyd		
WX21071730	SWSD - Lackey to Wayland Water Line Replacement	3-5 Years	Not Funded	\$750,000	Floyd		
WX21071727	Southern Water & Sewer District - Price Tank Replacement & System Improvements	6-10 Years	Not Funded	\$542,800	Floyd		
WX21071008	Southern Water - Mink Branch Tank Rehab	3-5 Years	Not Funded	\$135,000	Floyd		



Floyd County (continued)

System Summary for Wheelwright Utilities Commission

PWSID	KY0360463	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 1 source.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	\$25.00 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$25.00 per 4,000 gallons.	Total Connections	353
Residential Customers	343	Total Produced (MG)	83.500
Commercial Customers	8	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	51.100
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	39%
Total Distribution System Line Length = 18.80 miles (Distribution: 18.72 miles, Transmission: 0.09 miles).			

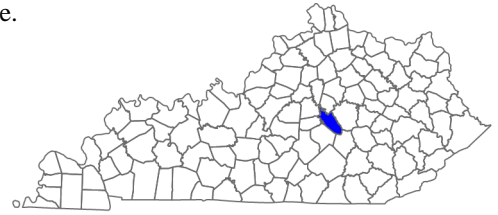
MG = Million Gallons.
MGD = Million Gallons per Day.

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	Not Funded	\$2,500,000	Floyd	5	2
WX21071904	Wheelwright-Water Source Renovation	6-10 Years	Partially Funded	\$478,253	Floyd		
WX21071002	Wheelwright Rehabilitation of Water Tanks	0-2 Years	Not Funded	\$200,000	Floyd		
WX21071003	Water Tank Security Project	3-5 Years	Not Funded	\$125,000	Floyd		
WX21071001	Water Distribution Main Valve Replacement	3-5 Years	Not Funded	\$15,000	Floyd		

Garrard County

- 2010 census population of 16,912 (7,463 households) with 98% serviceable.
- Projected 2020 population of 19,122 (change of 2,210).
- Garrard County has 427.33 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: \$744,010.
- 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 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 16 serviceable households will be added through the construction of 4.00 miles of water line extensions and approximately 3,360 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Crab Orchard	1	\$174,000	6	-	1.00	-	-
City of Lancaster	2	\$345,760	-	3,360	1.00	-	-
Garrard County Water Association Inc	2	\$224,250	10	-	2.00	-	-
Totals:	5	\$744,010	16	3,360	4.00	-	-

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	104	43
KY0760672	Kirksville Water Association	Madison	26	12
KY0760407	Southern Madison Water District	Madison	41	17
KY1020891	Western Rockcastle Water Association	Rockcastle	80	37
		Totals:	16,615	7,343



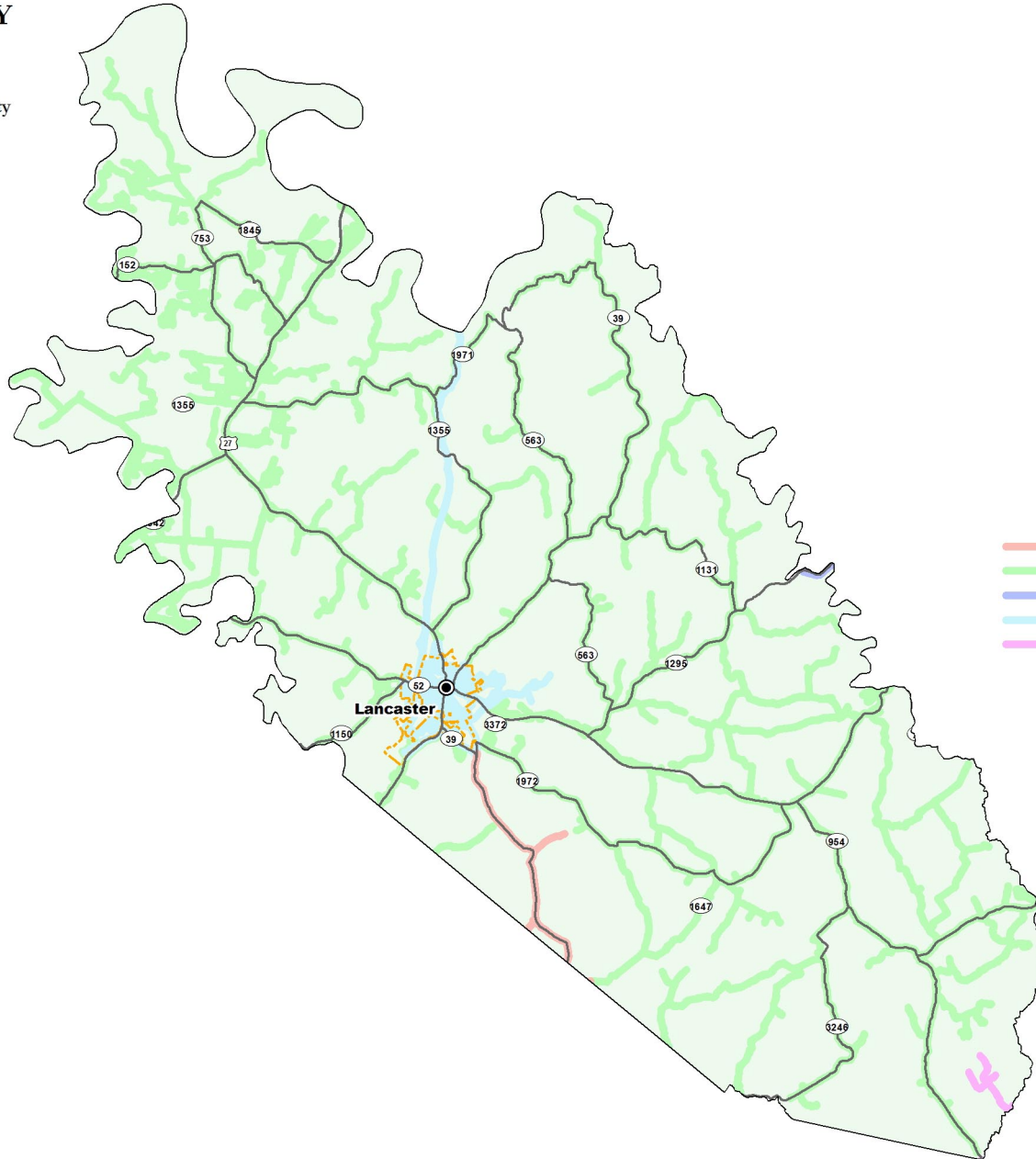
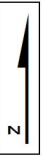
WATER SERVICE AREAS GARRARD COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- CRAB ORCHARD WATER WORKS
- GARRARD COUNTY WATER ASSOCIATION
- KIRKSVILLE WATER ASSOCIATION
- LANCASTER WATER WORKS
- WESTERN ROCKCASTLE WATER ASSOCIATION

Garrard County (continued)

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	5,478
Residential Customers	5,385	Total Produced (MG)	-
Commercial Customers	91	Total Purchased (MG)	347.603
Institutional Customers	-	Total Inside Usage (MG)	286.889
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
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	9	3
WX21079020	Garrard County Water Association Extension 13	0-2 Years	Not Funded	\$96,000	Garrard	19	3
WX21079021	Garrard Water Association Extension 14	0-2 Years	Not Funded	\$128,250	Garrard		

Garrard County (continued)

System Summary for Lancaster Water Works

PWSID	KY0400233	Treats Water	No
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	\$44.12 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$66.18 per 4,000 gallons.	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)	276.000
Wholesale Customers	2	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 54.32 miles (Distribution: 35.92 miles, Transmission: 18.40 miles).			

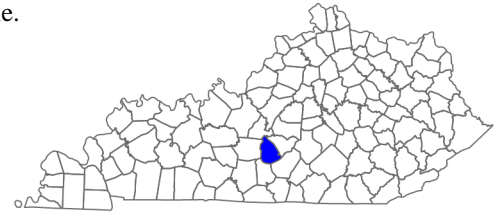
MG = Million Gallons.
 MGD = Million Gallons per Day.

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		

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 447.39 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: \$12,411,900.
- 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	\$7,238,000	-	-	-	-	1.00
Green-Taylor Water District	4	\$3,386,000	17	108	13.00	7.00	-
Totals:	6	\$13,805,900	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	3,649
KY0440168	Greensburg Water Department	Green	2,284	1,139
KY0500166	Green River Valley Water District	Hart	884	411
Totals:			10,978	5,199



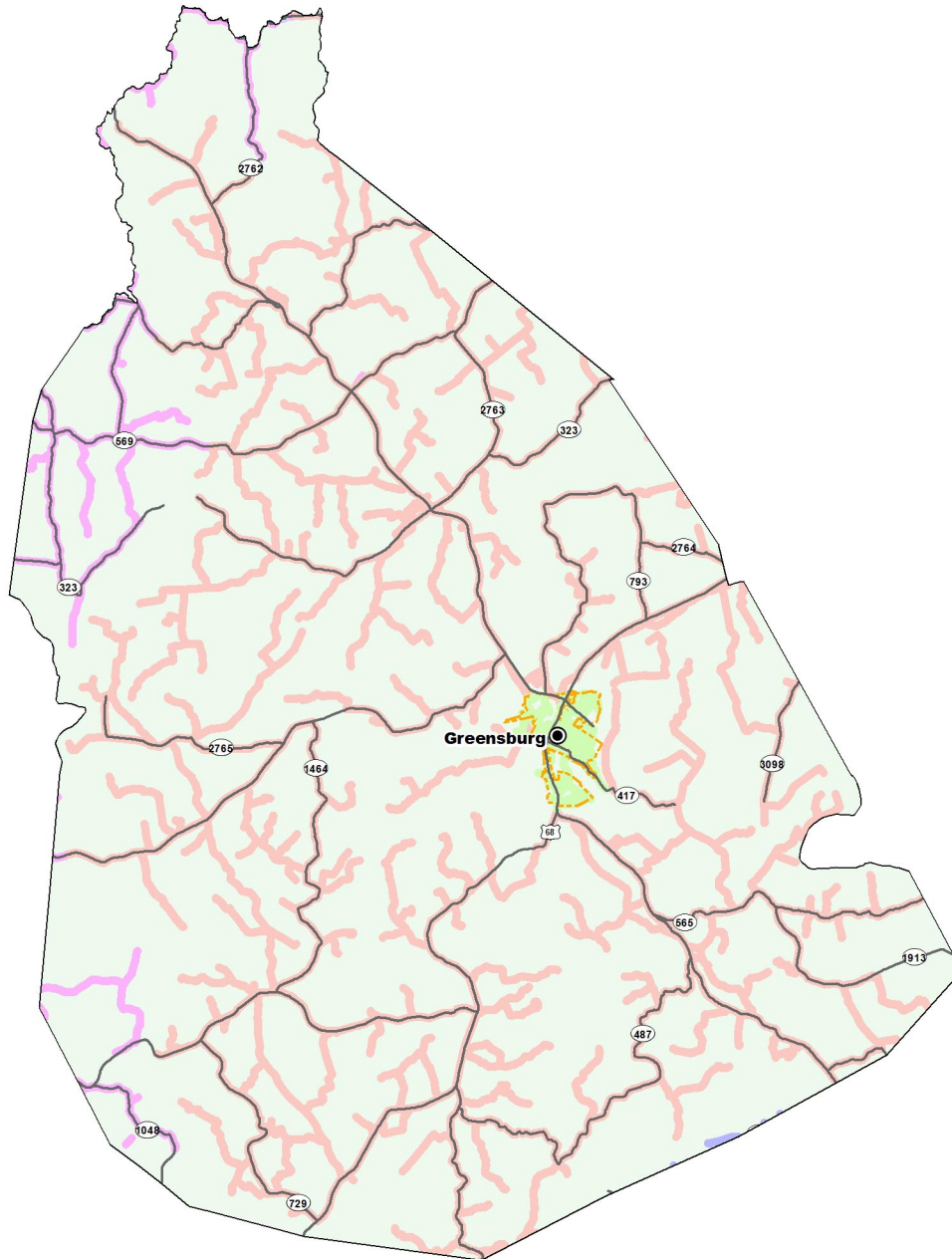
WATER SERVICE AREAS GREEN COUNTY

Kentucky

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January, 2013



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

Green County (continued)

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	\$30.70 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	5,047
Residential Customers	4,992	Total Produced (MG)	-
Commercial Customers	51	Total Purchased (MG)	361.510
Institutional Customers	-	Total Inside Usage (MG)	317.124
Industrial Customers	-	Total Wholesale Sold (MG)	6.303
Wholesale Customers	1	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 496.72 miles (Distribution: 495.51 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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	\$12,000,000	Hart	4	1
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		



Green County (continued)

System Summary for Greensburg Water Department

PWSID	KY0440168	Treats Water	No
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	\$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	972
Residential Customers	847	Total Produced (MG)	375.820
Commercial Customers	124	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	158.778
Industrial Customers	-	Total Wholesale Sold (MG)	211.146
Wholesale Customers	1	Estimated Pct. Water Loss	2%
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	\$7,238,000	Green		
WX21217004	Green County Connector to Campbellsville	3-5 Years	Not Funded	\$3,181,900	Taylor		

Greenup County

- 2010 census population of 36,910 (16,330 households) with 93% serviceable.
- Projected 2020 population of 36,923 (change of 13).
- Greenup County has 549.56 miles of existing water lines.
- 61.00 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: \$13,485,998.
- Estimated funding needs for projects from 6 to 10 years: \$1,780,400.



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 1,680 serviceable households will be added through the construction of 61.00 miles of water line extensions and approximately 17,222 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)
			Unserviced	Underserved			
Cannonsburg Water District	1	\$112,000	11	-	1.00	-	-
City of Flatwoods	1	\$294,750	-	67	-	1.00	-
City of Greenup	7	\$4,761,260	80	3,438	32.00	-	8.00
City of Raceland	8	\$1,785,988	1,442	2,299	2.00	1.00	1.00
City of Russell	4	\$5,326,000	-	5,700	-	-	-
City of South Shore	1	\$500,000	-	1,986	-	-	-
City of Worthington	3	\$236,400	-	924	-	-	1.00
City of Wurtland	3	\$195,000	-	1,308	-	-	-
Garrison-Quincy-Ky-O-Heights Water District	1	\$1,709,000	76	-	9.00	-	-
Grayson Utility Commission	1	\$150,000	6	-	2.00	-	-
Greenup County Fiscal Court	2	\$196,000	65	1,500	15.00	-	-
Totals:	32	\$15,266,398	1,680	17,222	61.00	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	Flatwoods Water Department	Greenup	8,028	3,551
KY0450169	Greenup Water Department	Greenup	10,277	4,465
KY0450365	Raceland Water Department	Greenup	3,186	1,446
KY0450376	Russell Water Department	Greenup	4,492	1,953
KY0450410	South Shore Water Department	Greenup	4,225	1,986
KY0450478	Worthington Water Department	Greenup	1,615	685
KY0450479	Wurtland Water Department	Greenup	1,468	630
KY0100011	Ashland Water Department	Boyd	124	53
KY0100064	Cannonsburg Water District	Boyd	449	191
KY0220164	Grayson Water Department	Carter	369	154
		Totals:	34,233	15,114

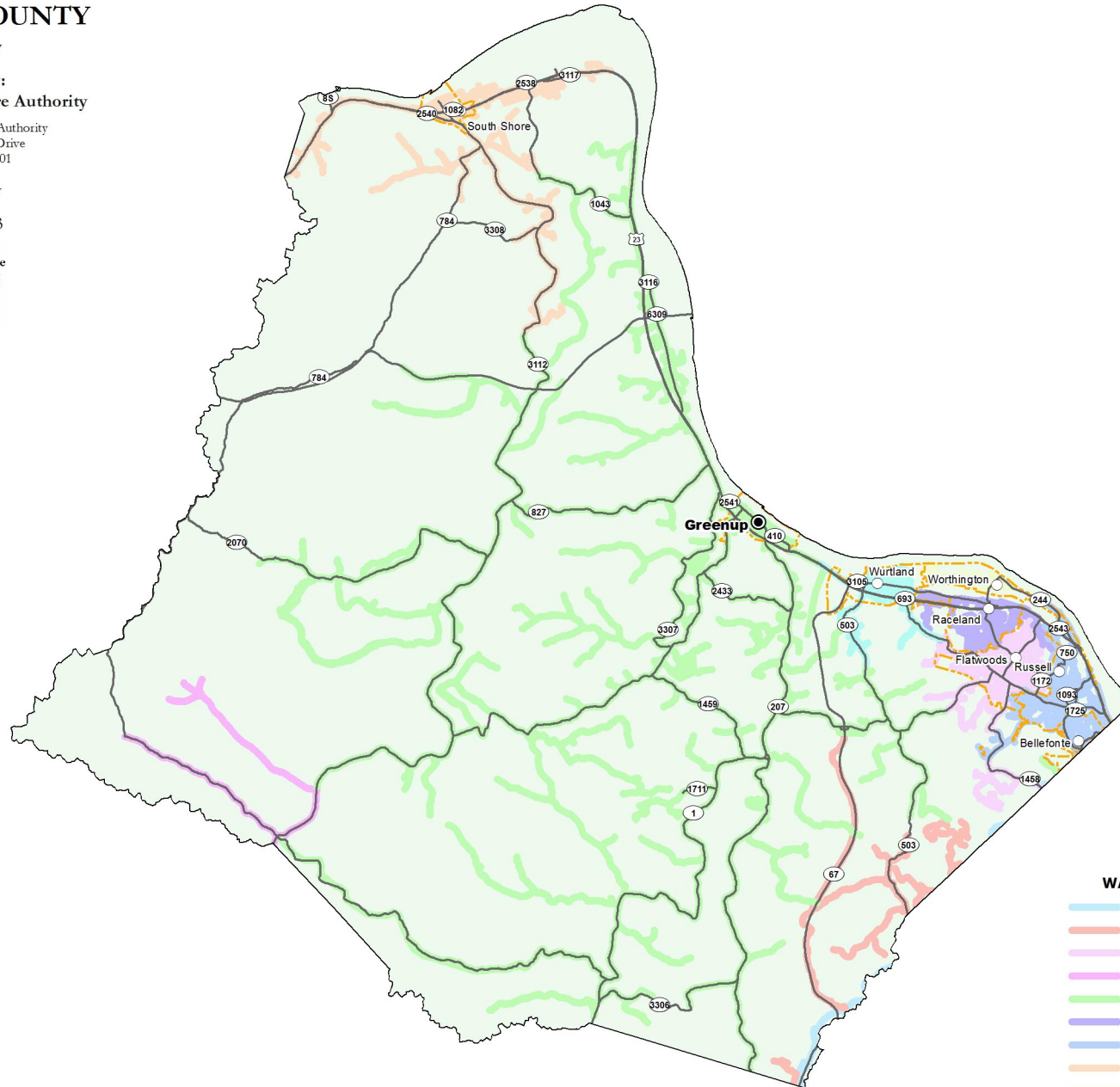
WATER SERVICE AREAS GREENUP COUNTY

Kentucky

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WATER SERVICE BY OWNER

- ASHLAND WATER DEPARTMENT
- CANNONBURG WATER DISTRICT
- FLATWOODS WATER DEPARTMENT
- GRAYSON WATER DEPARTMENT
- GREENUP WATER DEPARTMENT
- RACELAND WATER DEPARTMENT
- RUSSELL WATER DEPARTMENT
- SOUTH SHORE WATER WORKS INC.
- WORTHINGTON WATER DEPARTMENT
- WURLAND WATER DEPARTMENT

Greenup County (continued)

System Summary for Flatwoods Water Department

PWSID	KY0450132	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	\$22.22 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$29.41 per 4,000 gallons.	Total Connections	3,635
Residential Customers	3,438	Total Produced (MG)	-
Commercial Customers	195	Total Purchased (MG)	318.323
Institutional Customers	-	Total Inside Usage (MG)	228.046
Industrial Customers	-	Total Wholesale Sold (MG)	63.345
Wholesale Customers	2	Estimated Pct. Water Loss	8%
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 Flatwoods Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089064	Flatwoods: Jones Street Waterline Upgrade	0-2 Years	Not Funded	\$294,750	Greenup		

Greenup County (continued)

System Summary for Greenup Water Department

PWSID	KY0450169	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	15	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, 7 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$34.60 per 4,000 gallons.	Total Connections	4,089
Residential Customers	4,063	Total Produced (MG)	365.000
Commercial Customers	26	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	265.671
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	27%
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 Greenup Water Department

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	\$1,100,000	Greenup		
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		
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		
WX21089012	Greenup County Fiscal Court Water Line Projects	0-2 Years	Not Funded	\$125,000	Greenup		
WX21089048	GCFC: New Pump Station for Greenup Water System	3-5 Years	Not Funded	\$71,000	Greenup		
WX21089020	Greenup: Upper Hog Branch Road	3-5 Years	Not Funded	\$40,000	Greenup		

Greenup County (continued)

System Summary for Raceland Water Department

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)	162.512
Institutional Customers	-	Total Inside Usage (MG)	116.406
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%
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 Raceland Water Department

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	4	2
WX21089053	Raceland: System Loop along US 23 from Caroline Rd to Buckenham	0-2 Years	Not Funded	\$395,500	Greenup		
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		
WX21089049	Raceland: Chlorine Booster Stations and Telemetry System	0-2 Years	Not Funded	\$125,000	Greenup		
WX21089065	Raceland: Leak Detection Survey for Water Loss Abatement	0-2 Years	Not Funded	\$19,488	Greenup		



Greenup County (continued)

System Summary for Russell Water Department

PWSID	KY0450376	Treats Water	No
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	\$22.22 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	\$29.41 per 4,000 gallons.	Total Connections	2,409
Residential Customers	2,259	Total Produced (MG)	583.970
Commercial Customers	180	Total Purchased (MG)	0.513
Institutional Customers	-	Total Inside Usage (MG)	223.325
Industrial Customers	-	Total Wholesale Sold (MG)	312.817
Wholesale Customers	2	Estimated Pct. Water Loss	8%
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 Russell Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089068	Russell: Construct New 500,000 Gallon Water Tank	3-5 Years	Not Funded	\$836,000	Greenup	10	3
WX21089011	Water Treatment Plant Expansion	0-2 Years	Not Funded	\$4,000,000	Greenup		
WX21089055	Russell: Radio Read Water Meters	3-5 Years	Not Funded	\$350,000	Greenup		
WX21089079	Russell: Upgrade 2 Pump Stations	0-2 Years	Not Funded	\$140,000	Greenup		



Greenup County (continued)

System Summary for South Shore Water Department

PWSID	KY0450410	Treats Water	No
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	\$22.70 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$22.70 per 4,000 gallons.	Total Connections	2,260
Residential Customers	2,116	Total Produced (MG)	162.305
Commercial Customers	140	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	123.272
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	24%
Total Distribution System Line Length = 57.35 miles (Distribution: 56.86 miles, Transmission: 0.49 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089067	South Shore: WTP Upgrade	0-2 Years	Not Funded	\$500,000	Greenup	1	1
WX21089066	GCFC: McKell Library Water	3-5 Years	Not Funded	\$25,000	Greenup		



Greenup County (continued)

System Summary for Worthington Water Department

PWSID	KY0450478	Treats Water	No
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	681
Residential Customers	680	Total Produced (MG)	66.065
Commercial Customers	1	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	55.494
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 10.51 miles (Distribution: 10.37 miles, Transmission: 0.14 miles).			

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

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

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		
WX21089005	Worthington: Clean out Wells to Increase Output	6-10 Years	Not Funded	\$71,400	Greenup		
WX21089041	Worthington: Calumet Causeway Water Project	0-2 Years	Not Funded	\$55,000	Greenup		

Greenup County (continued)

System Summary for Wurtland Water Department

PWSID	KY0450479	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	\$16.50 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$16.50 per 4,000 gallons.	Total Connections	582
Residential Customers	570	Total Produced (MG)	-
Commercial Customers	10	Total Purchased (MG)	39.225
Institutional Customers	-	Total Inside Usage (MG)	34.692
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 17.69 miles (Distribution: 17.69 miles, Transmission: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089062	Wurtland: Radio Read Meters	3-5 Years	Not Funded	\$150,000	Greenup		
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	\$50,000	Greenup		
WX21089023	Wurtland: Isolation Valves for Entire Water Distribution System	0-2 Years	Not Funded	\$30,000	Greenup		
WX21089024	Wurtland: Adena Water Tank Security	0-2 Years	Not Funded	\$15,000	Greenup		



Harlan County

- 2010 census population of 29,278 (13,513 households) with 95% serviceable.
- Projected 2020 population of 26,099 (change of -3,179).
- Harlan County has 426.54 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: \$5,712,809.
- 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 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 43 serviceable households will be added through the construction of 3.00 miles of water line extensions and approximately 6,536 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)
			Unserviced	Underserved			
Black Mountain Utility District	1	\$325,000	8	-	1.00	-	-
City of Cumberland	3	\$4,387,809	-	4,686	-	2.00	-
City of Evarts	1	\$350,000	-	1,450	-	-	-
City of Lynch	1	\$500,000	-	400	-	-	-
Green Hills Water District	1	\$150,000	35	-	2.00	-	-
Totals:	7	\$5,712,809	43	6,536	3.00	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
KY0480028	Benham Water Plant	Harlan	758	398
KY0480265	Black Mountain Utility - Coxton	Harlan	577	258
KY0480277	Black Mountain Utility - Dayhoit	Harlan	1,927	881
KY0480603	Black Mountain Utility - Kenvir	Harlan	1,199	521
KY0480498	Black Mountain Utility - Louellen	Harlan	738	358
KY0480650	Black Mountain Utility - Rosspoint	Harlan	1,641	763
KY0480461	Black Mountain Utility - Sukey Ridge	Harlan	748	350
KY0480572	Black Mountain Utility - Wallins	Harlan	1,644	771
KY0480341	Black Mountain Utility District - Green Hills	Harlan	1,394	630
KY0480565	Cawood Water District	Harlan	4,516	1,974
KY0483727	Cawood Water District - Pathfork	Harlan	483	230
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	3,409	1,396
KY0480178	Harlan Municipal Water Works	Harlan	4,288	2,051
Totals:			27,699	12,796



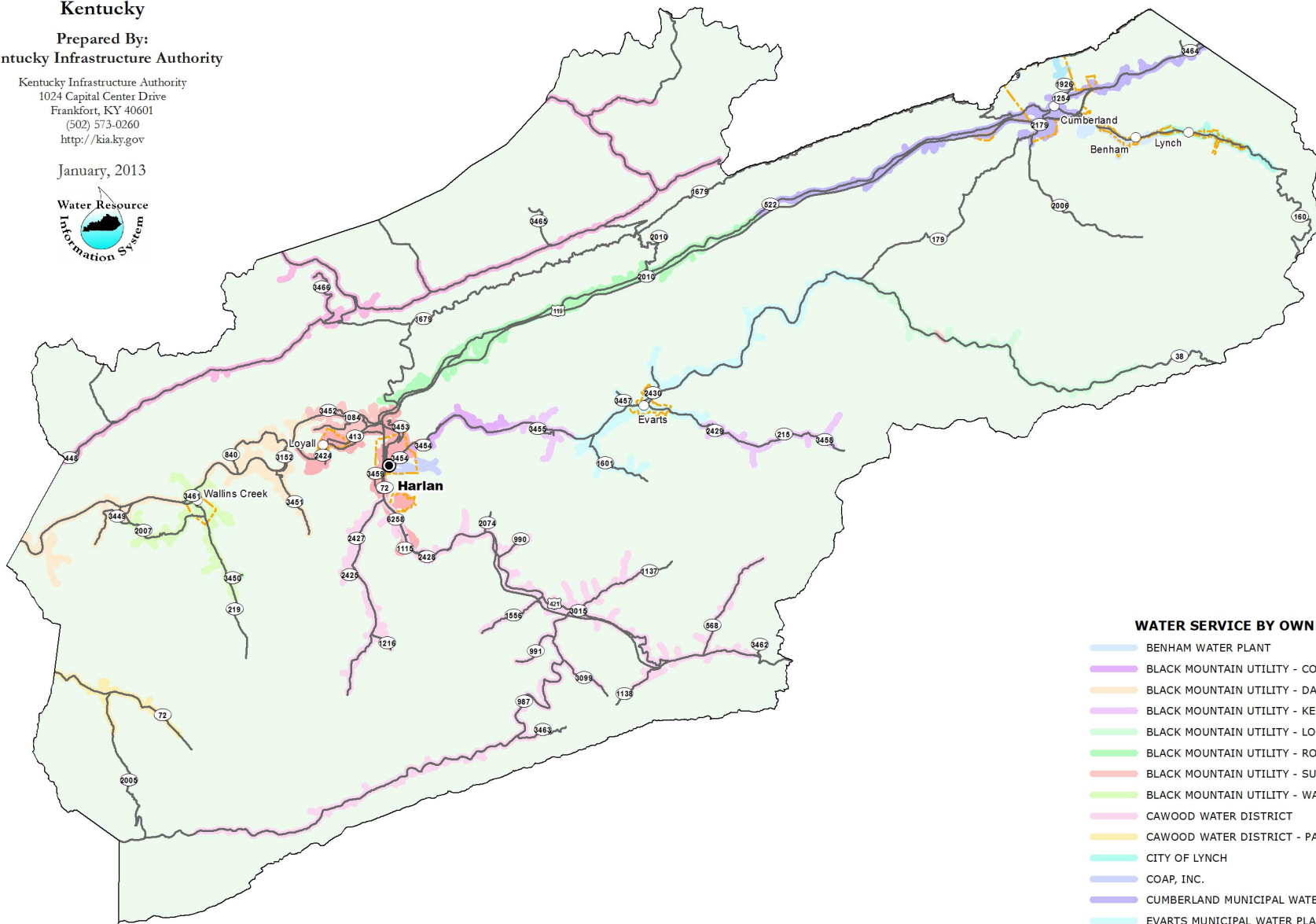
WATER SERVICE AREAS HARLAN COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
1024 Capital Center Drive
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January, 2013



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

Harlan County (continued)

System Summary for Benham Water Plant

PWSID	KY0480028	Treats Water	No
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	\$32.30 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$32.30 per 4,000 gallons.	Total Connections	330
Residential Customers	330	Total Produced (MG)	42.000
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	40.096
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 9.23 miles (Distribution: 9.23 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Benham Water Plant

Harlan County (continued)

System Summary for Black Mountain Utility - 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	\$34.92 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	No
Outside Mun. Cost	-	Total Connections	121
Residential Customers	121	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	12.672
Institutional Customers	-	Total Inside Usage (MG)	10.692
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	16%
Total Distribution System Line Length = 7.21 miles (Distribution: 7.21 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Black Mountain Utility - Coxton

Harlan County (continued)

System Summary for Black Mountain Utility - Dayhoit

PWSID	KY0480277	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	\$34.92 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)	71.231
Institutional Customers	-	Total Inside Usage (MG)	61.724
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 37.04 miles (Distribution: 37.04 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Black Mountain Utility - Dayhoit

Harlan County (continued)

System Summary for Black Mountain Utility - 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, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	379
Residential Customers	369	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	25.395
Institutional Customers	-	Total Inside Usage (MG)	21.674
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 14.80 miles (Distribution: 14.80 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Black Mountain Utility - Kenvir

Harlan County (continued)

System Summary for Black Mountain Utility - Louellen

PWSID	KY0480498	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	\$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	135
Residential Customers	135	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	10.766
Institutional Customers	-	Total Inside Usage (MG)	10.424
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 12.27 miles (Distribution: 12.27 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Black Mountain Utility - Louellen

Harlan County (continued)

System Summary for Black Mountain Utility - 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	\$34.92 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	617
Residential Customers	617	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	32.295
Institutional Customers	-	Total Inside Usage (MG)	28.440
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 30.72 miles (Distribution: 30.72 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Black Mountain Utility - Rosspoint

Harlan County (continued)

System Summary for Black Mountain Utility - Sukey Ridge

PWSID	KY0480461	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$34.92 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	248
Residential Customers	248	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	44.245
Institutional Customers	-	Total Inside Usage (MG)	39.081
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 10.85 miles (Distribution: 10.85 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Black Mountain Utility - Sukey Ridge

Harlan County (continued)

System Summary for Black Mountain Utility - Wallins

PWSID	KY0480572	Treats Water	Yes, 1 plant with total capacity of 0.120 MGD.
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 1 source.
Employees	2	Wholesale Purchaser	No
Non-Municipal Cost	\$34.92 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	415
Residential Customers	425	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 = 18.89 miles (Distribution: 18.61 miles, Transmission: 0.28 miles).			

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

There are no immediate projects for Black Mountain Utility - Wallins

Harlan County (continued)

System Summary for Black Mountain Utility District - Green Hills

PWSID	KY0480341	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	\$40.48 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	503
Residential Customers	517	Total Produced (MG)	-
Commercial Customers	10	Total Purchased (MG)	34.880
Institutional Customers	-	Total Inside Usage (MG)	3.654
Industrial Customers	19	Total Wholesale Sold (MG)	2.972
Wholesale Customers	1	Estimated Pct. Water Loss	81%
Total Distribution System Line Length = 49.81 miles (Distribution: 49.81 miles, Transmission: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Black Mountain Utility District - 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		4
WX21095005	Woodard Br. Waterline Extension - Green Hills System Rehabilitat	0-2 Years	Not Funded	\$325,000	Harlan		
WX21095604	Green Hills: Expansion Project	3-5 Years	Not Funded	\$150,000	Harlan		



Harlan County (continued)

System Summary for Cawood Water District

PWSID	KY0480565	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	10	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	1,400
Residential Customers	1,365	Total Produced (MG)	141.907
Commercial Customers	34	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	76.787
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	46%
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

Harlan County (continued)

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	148
Residential Customers	139	Total Produced (MG)	-
Commercial Customers	1	Total Purchased (MG)	7.632
Institutional Customers	-	Total Inside Usage (MG)	6.544
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%
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

Harlan County (continued)

System Summary for City of Lynch

PWSID	KY0480262	Treats Water	No
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	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	\$44.90 per 4,000 gallons.	Total Connections	410
Residential Customers	410	Total Produced (MG)	77.719
Commercial Customers	6	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	66.488
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%
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
WX21095638	City of Lynch - Water Treatment Plant Rehabilitation	3-5 Years	Partially Funded	\$500,000	Harlan	8	5

Harlan County (continued)

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	-	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	0.526
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	100%
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.

Harlan County (continued)

System Summary for Cumberland Municipal Water Works

PWSID	KY0480092	Treats Water	No
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	No
Inside Mun. Cost	\$15.00 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$23.60 per 4,000 gallons.	Total Connections	1,276
Residential Customers	1,150	Total Produced (MG)	200.750
Commercial Customers	50	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	154.300
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%
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
WX21095666	City of Cumberland Water Treatment Plant Upgrades (Was WX21095662)	0-2 Years	Not Funded	\$1,750,000	Harlan	6	3
WX21095670	City of Cumberland 10 Inch Waterline Upgrade	0-2 Years	Not Funded	\$973,809	Harlan	20	2
WX21095003	Cumberland Water System Improvements	3-5 Years	Not Funded	\$1,664,000	Harlan		

Harlan County (continued)

System Summary for Evarts Municipal Water Plant

PWSID	KY0480125	Treats Water	No
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	1,450
Residential Customers	989	Total Produced (MG)	192.000
Commercial Customers	46	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	116.040
Industrial Customers	-	Total Wholesale Sold (MG)	48.769
Wholesale Customers	3	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 37.13 miles (Distribution: 37.13 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	27	4

Harlan County (continued)

System Summary for Harlan Municipal Water Works

PWSID	KY0480178	Treats Water	No
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	\$20.98 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$20.98 per 4,000 gallons.	Total Connections	2,150
Residential Customers	1,844	Total Produced (MG)	430.590
Commercial Customers	314	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	173.698
Industrial Customers	-	Total Wholesale Sold (MG)	148.361
Wholesale Customers	5	Estimated Pct. Water Loss	25%
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

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 643.29 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: \$24,036,783.
- 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 38 serviceable households will be added through the construction of 14.00 miles of water line extensions and approximately 57,815 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	\$1,805,000	20	310	-	6.00	-
City of Horse Cave	1	\$950,000	-	118	-	2.00	-
City of Munfordville	2	\$282,000	6	545	1.00	-	-
Edmonson County Water District	4	\$3,910,735	12	11	13.00	1.00	-
Green River Valley Water District	4	\$15,858,003	-	50,000	-	-	-
Hardin County Water District #2	1	\$333,045	-	11	-	-	-
Hart County Fiscal Court	1	\$700,000	-	6,807	-	-	-
Totals:	16	\$24,036,783	38	57,815	14.00	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	9,733	4,351
KY0500476	Horse Cave Water System	Hart	2,156	1,040
KY0500305	Munfordville Water Works	Hart	1,468	742
KY0050490	Cave City Water System	Barren	93	32
KY0310114	Edmonson County Water District	Edmonson	3,325	1,711
KY0470175	Hardin County Water District #2	Hardin	732	318
		Totals:	17,951	8,441



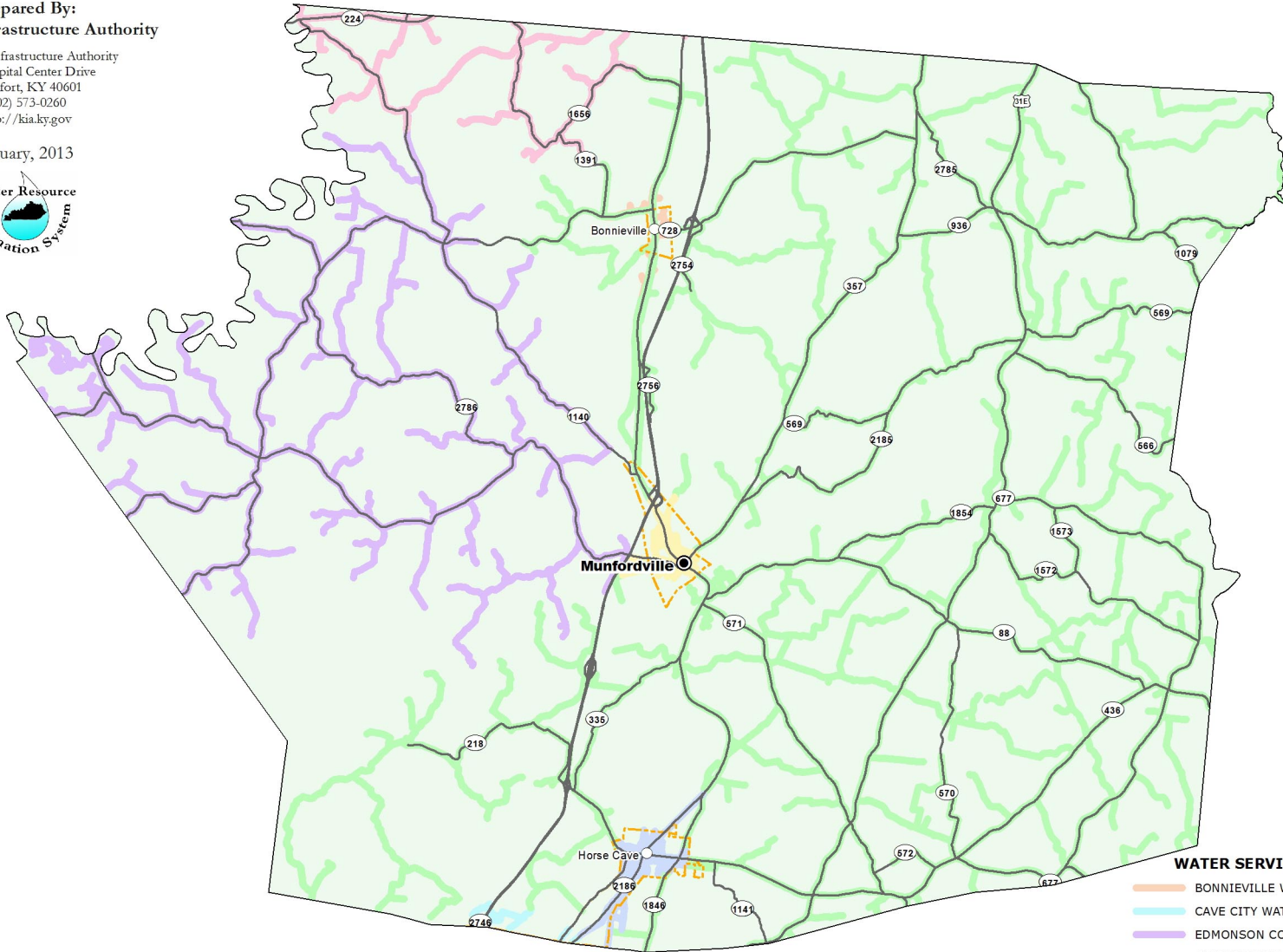
WATER SERVICE AREAS HART COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

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January, 2013



WATER SERVICE BY OWNER

- BONNIEVILLE WATER DISTRICT
- CAVE CITY WATER SYSTEM
- EDMONSON COUNTY WATER DISTRICT
- GREEN RIVER VALLEY WATER DISTRICT
- HARDIN COUNTY WATER DISTRICT #2
- HORSE CAVE WATER SYSTEM
- MAMMOTH CAVE
- MUNFORDVILLE WATER WORKS

Hart County (continued)

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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	\$12,000,000	Hart	4	1
WX21099033	Bonnieville - Asbestos Line Replacement	3-5 Years	Not Funded	\$1,000,000	Hart	20	2
WX21099038	Quarry Road Water Main Extension	3-5 Years	Not Funded	\$333,045	Hart	41	5
WX21099025	Bonnieville - Water Line Improvements	3-5 Years	Not Funded	\$805,000	Hart		

Hart County (continued)

System Summary for Green River Valley Water District

PWSID	KY0500166	Treats Water	No
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, 16 tanks with total capacity of 3.000 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)	609.247
Wholesale Customers	7	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 720.38 miles (Distribution: 709.02 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
WX21099029	GRVWD - Water Treatment Plant Expansion	0-2 Years	Not Funded	\$12,000,000	Hart	4	1
WX21061027	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	\$977,075	Edmonson	5	1
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	\$977,075	Hart	21	3
WX21099031	GRVWD - Electronic Meter Read Upgrade	3-5 Years	Not Funded	\$3,546,003	Hart		
WX21061006	Edmonson County Water District: 2012 Emergency Needs Project	0-2 Years	Not Funded	\$895,000	Edmonson		
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		



Hart County (continued)

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	931
Residential Customers	796	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 = 25.74 miles (Distribution: 25.74 miles, Transmission: 0.00 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	\$12,000,000	Hart	4	1
WX21099024	Horse Cave - Water Line Improvements	3-5 Years	Not Funded	\$950,000	Hart	34	4

Hart County (continued)

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	No
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 = 13.79 miles (Distribution: 13.79 miles, Transmission: 0.00 miles).			

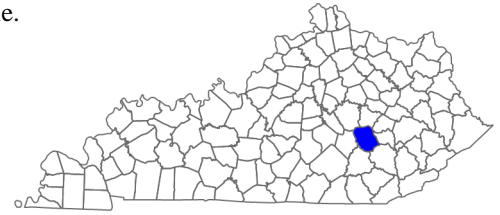
MG = Million Gallons.
 MGD = Million Gallons per Day.

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	\$12,000,000	Hart	4	1
WX21099019	City of Munfordville - Water Line Improvements	3-5 Years	Not Funded	\$150,000	Hart		
WX21099036	City of Munfordville Water System Analysis	0-2 Years	Not Funded	\$132,000	Hart		

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 442.60 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: \$5,309,796.
- Estimated funding needs for projects from 6 to 10 years: \$680,450.



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 2,417 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			
Jackson County Water Association Inc	4	\$5,990,246	98	2,417	22.00	1.00	8.00
Totals:	4	\$5,990,246	98	2,417	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	446
KY0550209	Jackson County Water Association Inc	Jackson	11,458	5,440
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:			12,716	6,095



WATER SERVICE AREAS JACKSON COUNTY

Kentucky


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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

Jackson County (continued)

System Summary for City of McKee

PWSID	KY0550784	Treats Water	No
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	390
Residential Customers	273	Total Produced (MG)	53.098
Commercial Customers	79	Total Purchased (MG)	-
Institutional Customers	38	Total Inside Usage (MG)	28.770
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	46%
Total Distribution System Line Length = 17.30 miles (Distribution: 17.05 miles, Transmission: 0.25 miles).			

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

There are no immediate projects for City of McKee

Jackson County (continued)

System Summary for Jackson County Water Association Inc

PWSID	KY0550209	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
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	4,531
Residential Customers	4,293	Total Produced (MG)	330.041
Commercial Customers	222	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	240.310
Industrial Customers	12	Total Wholesale Sold (MG)	25.049
Wholesale Customers	4	Estimated Pct. Water Loss	20%
Total Distribution System Line Length = 411.43 miles (Distribution: 396.33 miles, Transmission: 15.10 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
WX21109722	Jackson County Water Association – Transmission Main From McKee	0-2 Years	Partially Funded	\$3,612,436	Jackson	7	1
WX21109003	Jackson County Water Association - Water Line Extensions Phase I	3-5 Years	Not Funded	\$685,960	Jackson	16	3
WX21109002	New Morrell Elevated Storage Tank and Pump Station	3-5 Years	Not Funded	\$1,011,400	Jackson	19	2
WX21109004	Jackson County Water Association - Water Line Extensions Phase II	6-10 Years	Not Funded	\$680,450	Jackson		

Johnson County

- 2010 census population of 23,356 (10,624 households) with 93% serviceable.
- Projected 2020 population of 23,265 (change of -91).
- Johnson County has 384.75 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: \$146,978.
- Estimated funding needs for projects from 6 to 10 years: \$405,000.



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 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)
			Unserviced	Underserved			
Martin County Water District	1	\$405,000	-	-	1.00	-	-
Prestonsburg City's Utilities Commission	1	\$146,978	-	-	-	-	-
Totals:	2	\$551,978	-	-	1.00	-	-

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 Utility Commission	Johnson	20,452	9,325
KY0100944	Big Sandy Water District	Boyd	49	22
KY0360358	Prestonsburg City's Utilities Commission	Floyd	1,103	472
KY0800273	Martin County Water District	Martin	48	22
KY0880594	Morgan County Water District	Morgan	26	12
		Totals:	21,678	9,853



WATER SERVICE AREAS JOHNSON COUNTY

Kentucky

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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

Johnson County (continued)

System Summary for Paintsville Utility Commission

PWSID	KY0580340	Treats Water	No
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, 13 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	\$31.60 per 4,000 gallons.	Total Connections	8,345
Residential Customers	7,709	Total Produced (MG)	1,022.000
Commercial Customers	591	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	971.510
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	5%
Total Distribution System Line Length = 384.64 miles (Distribution: 384.58 miles, Transmission: 0.06 miles).			

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

There are no immediate projects for Paintsville Utility Commission

Knott County

- 2010 census population of 16,346 (7,461 households) with 81% serviceable.
- Projected 2020 population of 15,635 (change of -711).
- Knott County has 270.94 miles of existing water lines.
- 108.00 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: \$20,752,409.
- 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 81 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,854 serviceable households will be added through the construction of 108.00 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)
			Unserviced	Underserved			
City of Hindman	1	\$750,000	43	-	12.00	-	-
City of Vicco	2	\$1,775,000	16	-	3.00	-	-
Knott County Water & Sewer District	9	\$21,084,823	1,795	-	93.00	-	-
Totals:	12	\$23,609,823	1,854	-	108.00	-	-

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	3,274	1,569
KY0600062	Knott Co Water & Sewer District	Knott	8,349	3,689
KY0600129	Phoenix Place Water System	Knott	211	102
KY0360026	Southern Water & Sewer District	Floyd	940	428
KY0970184	Hazard Water Department	Perry	157	73
KY0970484	Vicco Water Supply	Perry	348	162
		Totals:	13,279	6,023



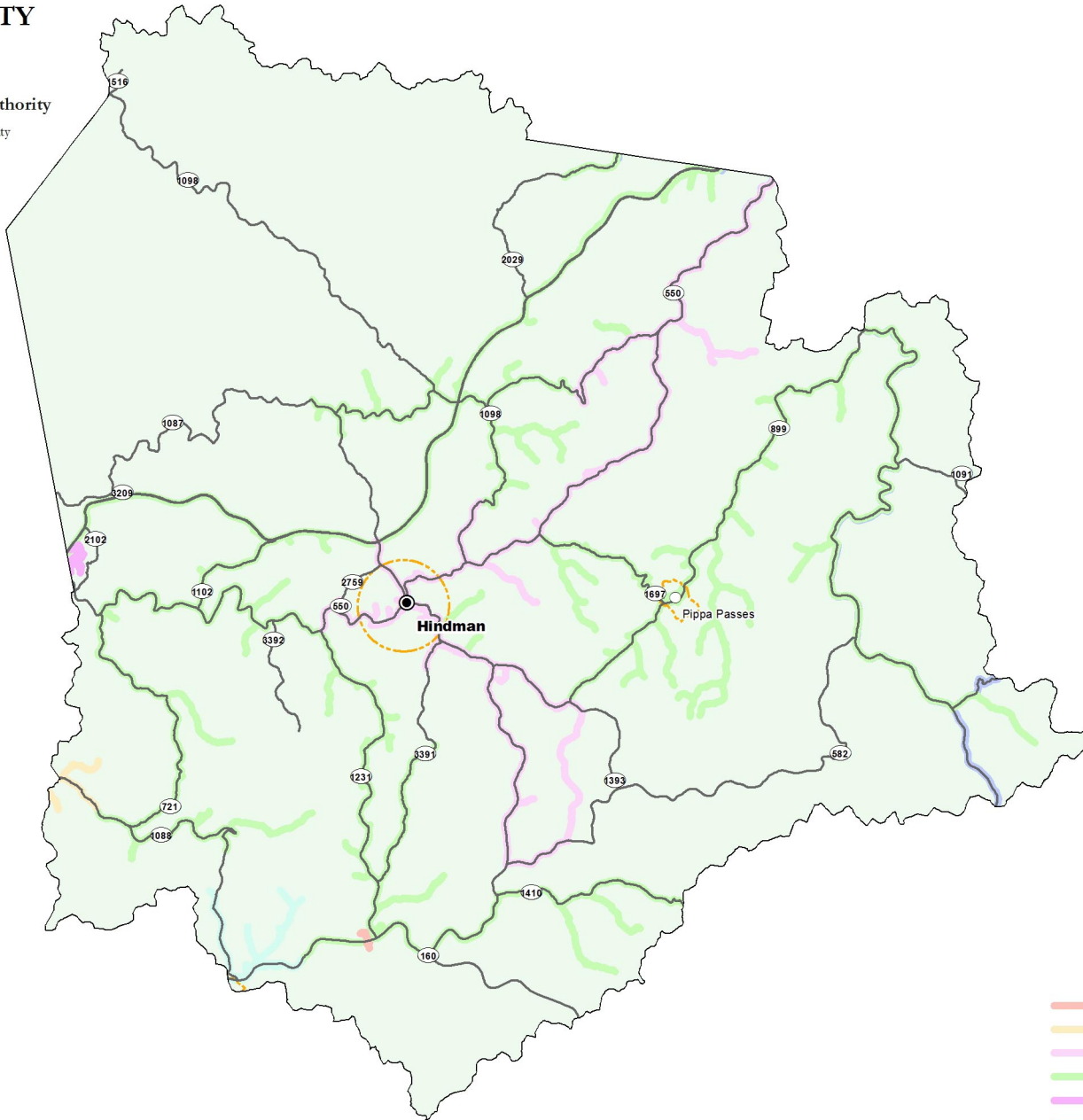
WATER SERVICE AREAS KNOTT COUNTY

Kentucky

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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

Knott County (continued)

System Summary for Hindman Water Department

PWSID	KY0600198	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$34.30 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$34.30 per 4,000 gallons.	Total Connections	862
Residential Customers	862	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	74.727
Institutional Customers	-	Total Inside Usage (MG)	58.536
Industrial Customers	-	Total Wholesale Sold (MG)	5.816
Wholesale Customers	1	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 51.08 miles (Distribution: 48.90 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		5

Knott County (continued)

System Summary for Knott Co Water & Sewer District

PWSID	KY0600062	Treats Water	No
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, 14 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	-	Total Connections	2,297
Residential Customers	2,223	Total Produced (MG)	435.554
Commercial Customers	4	Total Purchased (MG)	5.816
Institutional Customers	62	Total Inside Usage (MG)	102.367
Industrial Customers	-	Total Wholesale Sold (MG)	331.397
Wholesale Customers	5	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 188.76 miles (Distribution: 186.31 miles, Transmission: 2.45 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
WX21119052	KCWSD - Quicksand Water Line Extension Project	3-5 Years	Not Funded	\$4,158,600	Knott	2	1
WX21119067	KCWSD - Red Fox AML	3-5 Years	Not Funded	\$46,000	Knott	14	2
WX21119750	Right Beaver AML Water Line Project	3-5 Years	Not Funded	\$1,922,957	Knott		3
WX21119053	KCWSD - Various Hollows Water Line Extension Project	3-5 Years	Not Funded	\$4,084,500	Knott		4
WX21119005	KCWSD - Carr Creek Water Line Project Phase IV	3-5 Years	Not Funded	\$4,500,000	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		
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		
WX21119021	Vance Mountain RD Service Line Project	0-2 Years	Not Funded	\$15,352	Knott		



Knott County (continued)

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	194
Residential Customers	194	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	34.163
Institutional Customers	-	Total Inside Usage (MG)	11.754
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	66%
Total Distribution System Line Length = 5.09 miles (Distribution: 5.03 miles, Transmission: 0.06 miles).			

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

There are no immediate projects for Phoenix Place Water System

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 582.89 miles of existing water lines.
- 42.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,169,150.
- 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 191 serviceable households will be added through the construction of 42.00 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)
			Unservd	Underserved			
Barbourville Utility Commission	3	\$3,945,250	-	300	-	3.00	-
City of Corbin	1	\$980,000	-	-	1.00	-	-
Knox County Fiscal Court	2	\$3,905,900	190	-	41.00	-	-
Knox County Utility Commission	2	\$568,000	1	-	-	-	-
Totals:	8	\$9,399,150	191	300	42.00	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	15,842	7,072
KY0610110	Knox County Utility Commission	Knox	6,887	3,296
KY0630238	Laurel Water District #2	Laurel	2,397	958
KY1180085	Corbin Utilities Commission	Whitley	5,924	2,776
KY1180468	Whitley County Water District #1	Whitley	73	33
		Totals:	31,123	14,135



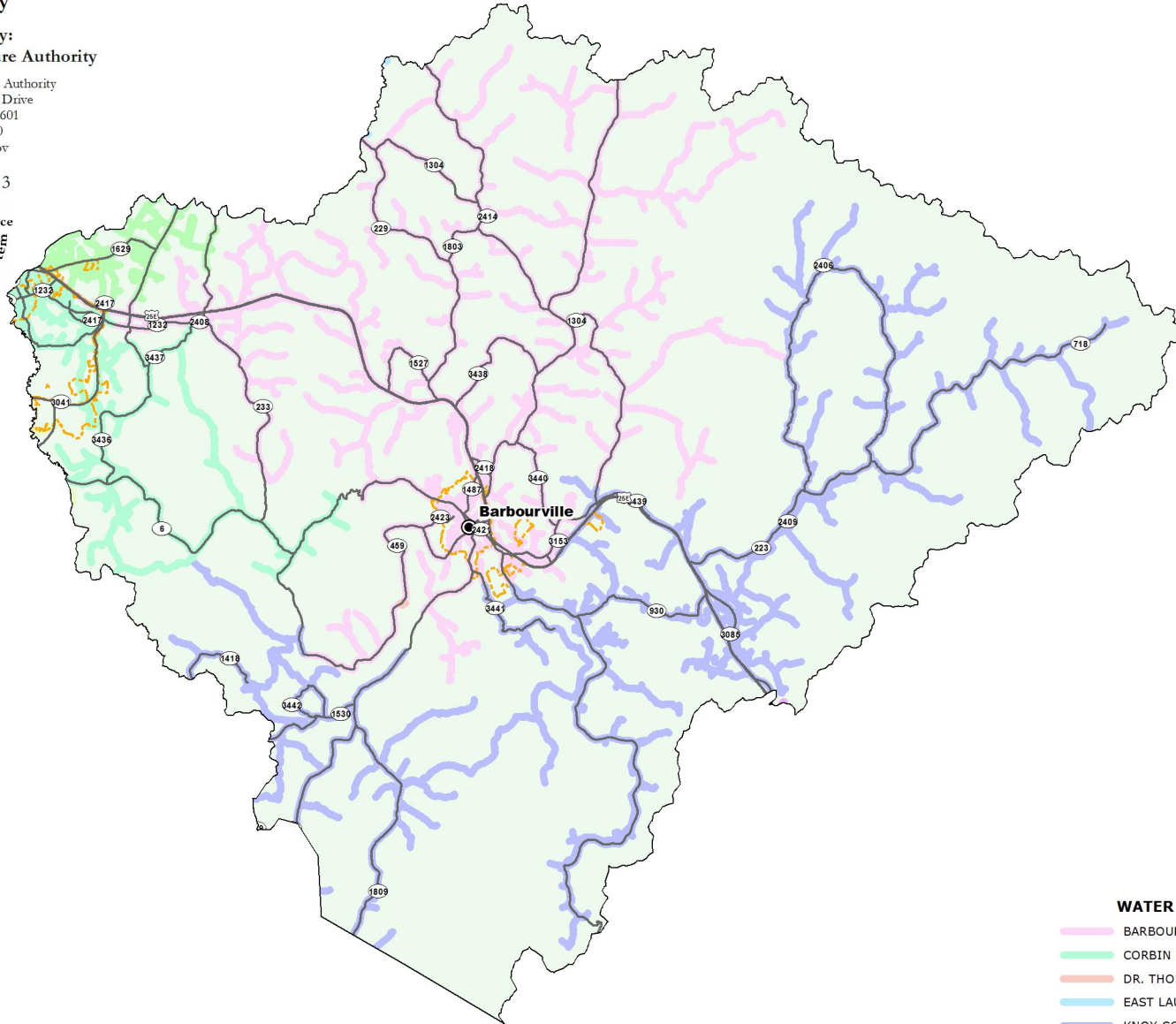
WATER SERVICE AREAS KNOX COUNTY

Kentucky

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- 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

Knox County (continued)

System Summary for Barbourville Utility Commission

PWSID	KY0610016	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	24	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$17.75 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	\$23.93 per 4,000 gallons.	Total Connections	6,102
Residential Customers	5,611	Total Produced (MG)	626.150
Commercial Customers	484	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	520.000
Industrial Customers	7	Total Wholesale Sold (MG)	3.799
Wholesale Customers	1	Estimated Pct. Water Loss	16%
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
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	\$3,000,000	Knox	1	1
WX21121004	Barbourville - Wal-Mart Tank Replacement	0-2 Years	Not Funded	\$666,000	Knox	11	4
WX21121006	Barbourville - KY 1527 Waterline Replacement	0-2 Years	Not Funded	\$279,250	Knox	12	5



Knox County (continued)

System Summary for Knox County Utility Commission

PWSID	KY0610110	Treats Water	No
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	\$34.66 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	2,763
Residential Customers	2,660	Total Produced (MG)	96.575
Commercial Customers	52	Total Purchased (MG)	96.391
Institutional Customers	-	Total Inside Usage (MG)	170.190
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 230.60 miles (Distribution: 230.60 miles, Transmission: 0.00 miles).			

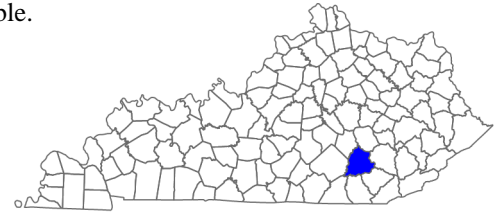
MG = Million Gallons.
MGD = Million Gallons per Day.

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
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	\$3,000,000	Knox	1	1
WX21235004	Knox County Utility Commission - Whitley County Line Extension	3-5 Years	Not Funded	\$420,000	Whitley	14	2
WX21121537	Knox: Water Line Extension In Whitley County	0-2 Years	Partially Funded	\$318,000	Whitley	22	5
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	\$2,777,500	Knox		
WX21121534	Knox County Fiscal Court - Water Projects	0-2 Years	Partially Funded	\$1,128,400	Knox		
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 1,052.64 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 23.00 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: \$25,446,076.
- 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 17,234 serviceable households will be added through the construction of 13.00 miles of water line extensions and approximately 133,366 instances of improved service through the rehabilitation of 23.00 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)
			Unserviced	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	10	\$4,344,259	17,209	7,069	4.00	13.00	-
London Utility Commission	5	\$936,009	-	117	-	3.00	-
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:	37	\$25,517,076	17,234	133,366	13.00	23.00	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	12,168	5,123
KY0630238	Laurel Water District #2	Laurel	12,280	5,193
KY0630255	London Utility Commission	Laurel	9,161	4,159
KY0630451	West Laurel Water Association	Laurel	12,264	5,274
KY0630477	Wood Creek Water District	Laurel	11,609	5,066
KY1180085	Corbin Utilities Commission	Whitley	880	407
		Totals:	58,362	25,222



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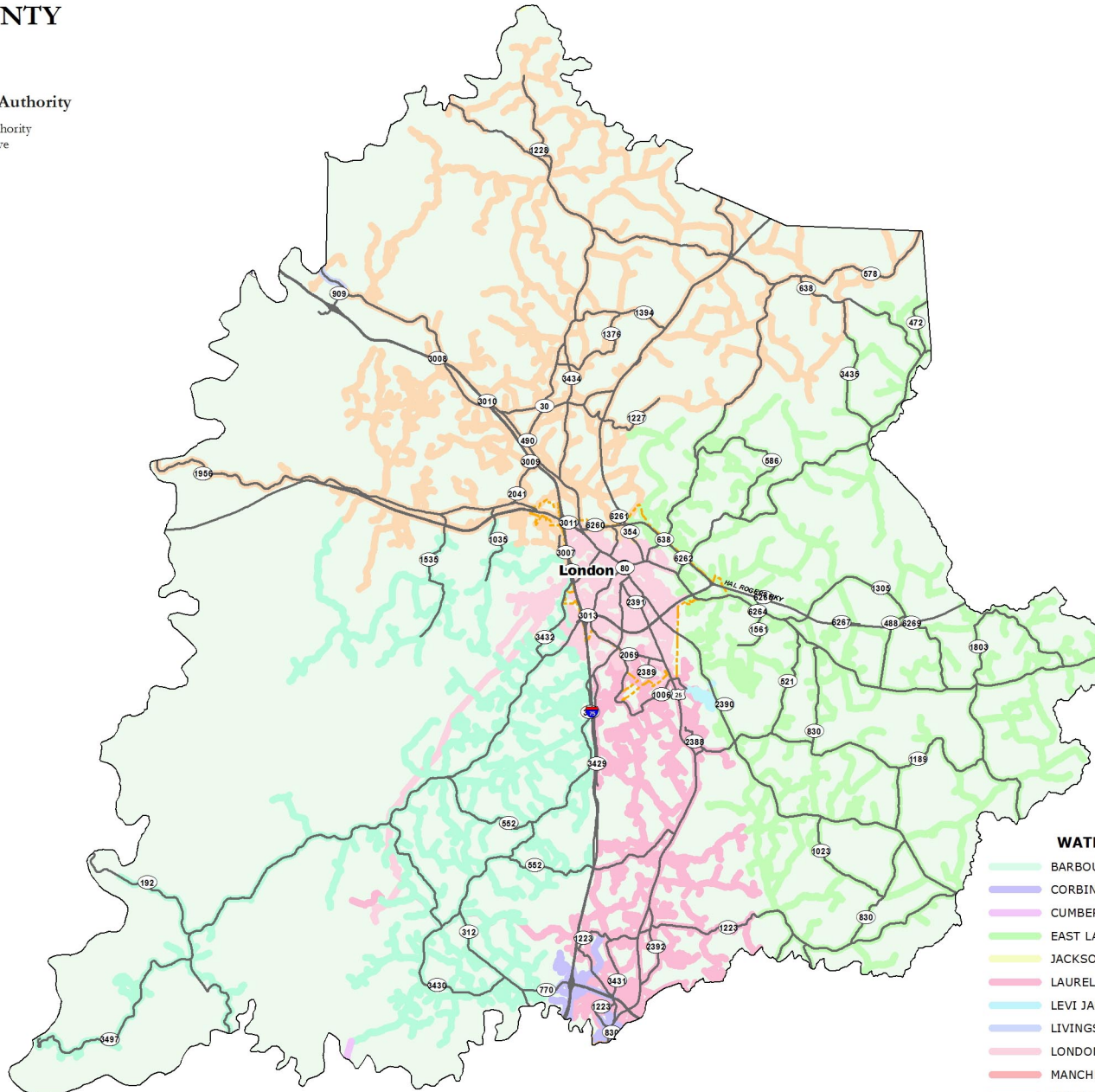
WATER SERVICE AREAS LAUREL COUNTY

Kentucky

Prepared By:
 Kentucky Infrastructure Authority

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January, 2013



WATER SERVICE BY OWNER

- BARBOURVILLE UTILITY COMMISSION
- CORBIN UTILITIES COMMISSION
- CUMBERLAND FALLS HIGHWAY WATER DISTRICT
- EAST LAUREL WATER DISTRICT
- JACKSON COUNTY WATER ASSOCIATION INC
- LAUREL WATER DISTRICT #2
- LEVI JACKSON WILDERNESS STATE PARK
- LIVINGSTON MUNICIPAL WATER WORKS
- LONDON UTILITY COMMISSION
- MANCHESTER WATER WORKS
- WEST LAUREL WATER ASSOCIATION
- WOOD CREEK WATER DISTRICT

Laurel County (continued)

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	\$30.58 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	5,238
Residential Customers	5,126	Total Produced (MG)	-
Commercial Customers	250	Total Purchased (MG)	477.634
Institutional Customers	-	Total Inside Usage (MG)	402.109
Industrial Customers	-	Total Wholesale Sold (MG)	14.793
Wholesale Customers	1	Estimated Pct. Water Loss	13%
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	15	3
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		

Laurel County (continued)

System Summary for Laurel Water District #2

PWSID	KY0630238	Treats Water	No
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	\$14.42 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	5,871
Residential Customers	5,527	Total Produced (MG)	509.985
Commercial Customers	345	Total Purchased (MG)	20.017
Institutional Customers	-	Total Inside Usage (MG)	427.498
Industrial Customers	9	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 189.09 miles (Distribution: 179.11 miles, Transmission: 9.99 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	13	1
WX21125015	HWY 1006 Water Line Extension Project	3-5 Years	Not Funded	\$271,763	Laurel	35	4
WX21125009	Meadowlane Subdivision Water Line Extension Project	3-5 Years	Not Funded	\$198,662	Laurel	36	5
WX21125013	Hammock-Foly-SR1223 Loop Lines Project	3-5 Years	Not Funded	\$195,164	Laurel	43	6
WX21125554	US 25 Upgrade Project	3-5 Years	Partially Funded	\$1,232,520	Laurel		
WX21125011	Laurel County Water District #2 Automatic Meter Read System	3-5 Years	Not Funded	\$917,262	Laurel		
WX21125001	Laurel County Water District No. 2 - Mapping Project	3-5 Years	Not Funded	\$750,000	Laurel		
WX21125553	Water System Extension Project	3-5 Years	Not Funded	\$310,000	Laurel		
WX21125578	LCWD #2 WTP & Raw Water Pump Emergency Generators Project	3-5 Years	Not Funded	\$225,000	Laurel		
WX21125008	Hidden Acres Road Water Line Extension Project	3-5 Years	Not Funded	\$64,195	Laurel		



Laurel County (continued)

System Summary for London Utility Commission

PWSID	KY0630255	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
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	\$2458.00 per 4,000 gallons.	Total Connections	3,877
Residential Customers	3,121	Total Produced (MG)	656.279
Commercial Customers	740	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	529.471
Industrial Customers	6	Total Wholesale Sold (MG)	20.017
Wholesale Customers	1	Estimated Pct. Water Loss	16%
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
WX21125005	Parker Road to West KY 80 Waterline Extension	3-5 Years	Not Funded	\$334,960	Laurel		
WX21125002	East 9th Street Waterline Replacement	3-5 Years	Not Funded	\$281,158	Laurel		
WX21125003	West 5th Street/College Street Waterline Replacement - Phase 1	3-5 Years	Not Funded	\$127,658	Laurel		
WX21125004	North Mill Street Waterline Replacement	3-5 Years	Not Funded	\$102,524	Laurel		
WX21125006	West 5th Street/College Street Waterline Replacement - Phase 2	3-5 Years	Not Funded	\$89,709	Laurel		



Laurel County (continued)

System Summary for West Laurel Water Association

PWSID	KY0630451	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	-	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$31.99 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	4,973
Residential Customers	4,851	Total Produced (MG)	-
Commercial Customers	122	Total Purchased (MG)	395.004
Institutional Customers	-	Total Inside Usage (MG)	352.189
Industrial Customers	-	Total Wholesale Sold (MG)	12.390
Wholesale Customers	1	Estimated Pct. Water Loss	8%
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
WX21125514	West Laurel Road Without Waterlines (Previously WX21125513)	3-5 Years	Not Funded	\$70,608	Laurel	45	9
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 - Hwy 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		
WX21125556	West Laurel Water Association - Improvements #5	3-5 Years	Not Funded	\$45,000	Laurel		

Laurel County (continued)

System Summary for Wood Creek Water District

PWSID	KY0630477	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	42	Wholesale Purchaser	No
Non-Municipal Cost	\$26.91 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	4,732
Residential Customers	4,858	Total Produced (MG)	1,694.964
Commercial Customers	352	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	616.430
Industrial Customers	-	Total Wholesale Sold (MG)	888.880
Wholesale Customers	3	Estimated Pct. Water Loss	11%
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
WX21125477	Wood Creek Water District - Watershed Protection Project #7	3-5 Years	Not Funded	\$310,000	Laurel	41	7
WX21125478	Wood Creek Water District - Watershed Protection Project #8	3-5 Years	Not Funded	\$130,000	Laurel	42	8
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		
WX21125560	Wood Creek System Improvement #II	3-5 Years	Not Funded	\$50,000	Laurel		



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.
- 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: \$2,900,200.
- 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 5,592 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			
Louisa Water and Sewer Commission	3	\$2,900,200	-	5,592	-	-	-
Totals:	3	\$2,900,200	-	5,592	-	-	-

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	Louisa Water Department	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 Utility Commission	Johnson	657	303
		Totals:	14,446	6,605



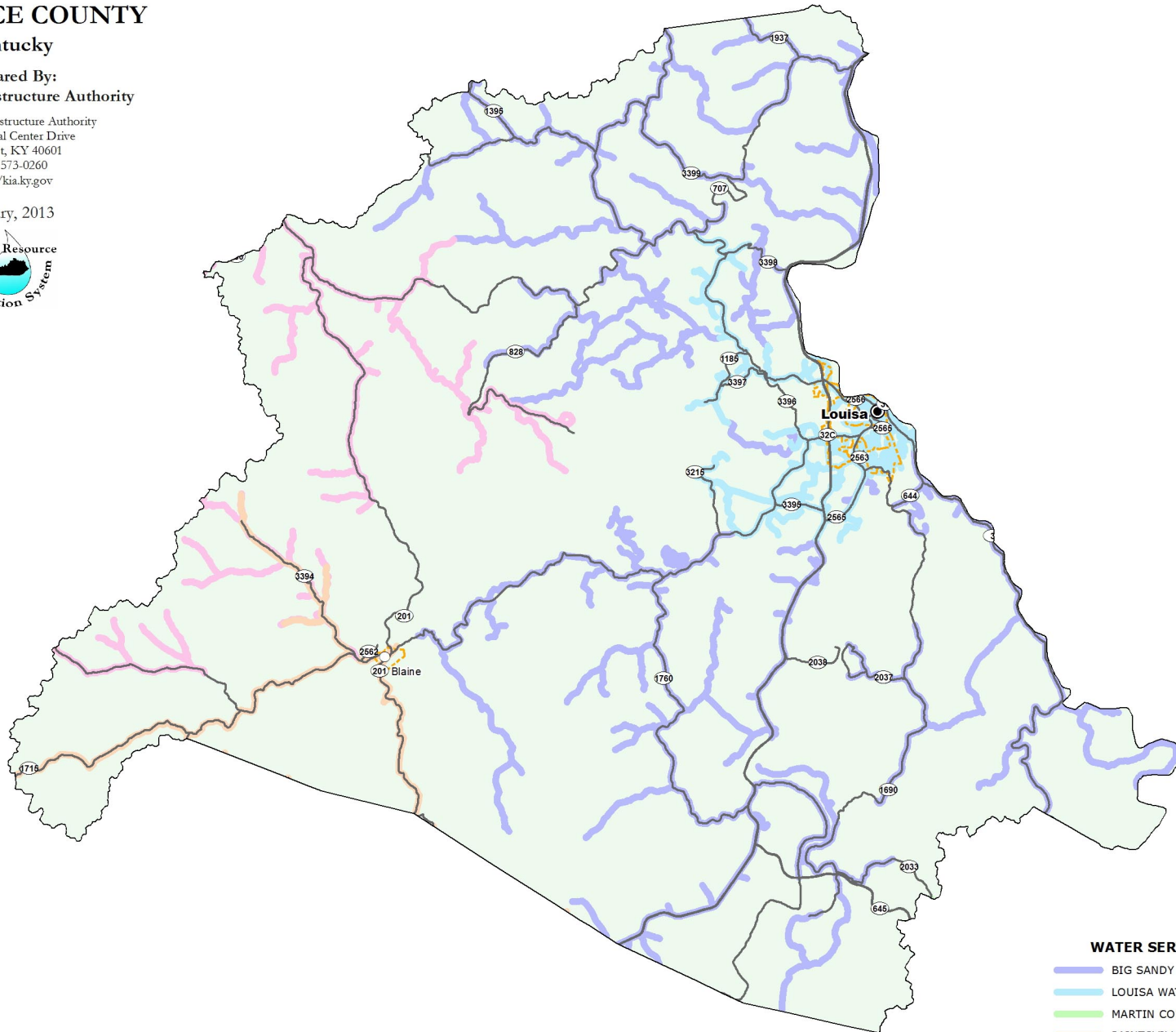
WATER SERVICE AREAS LAWRENCE COUNTY

Kentucky

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Kentucky Infrastructure Authority

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January, 2013



WATER SERVICE BY OWNER

- BIG SANDY WATER DISTRICT
- LOUISA WATER DEPARTMENT
- MARTIN COUNTY WATER DISTRICT
- PAINTSVILLE UTILITY COMMISSION
- RATTLESNAKE RIDGE WATER DISTRICT

Lawrence County (continued)

System Summary for Louisa Water Department

PWSID	KY0640257	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	16	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$32.41 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	\$41.87 per 4,000 gallons.	Total Connections	2,733
Residential Customers	2,388	Total Produced (MG)	435.000
Commercial Customers	343	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	181.349
Industrial Customers	-	Total Wholesale Sold (MG)	40.239
Wholesale Customers	1	Estimated Pct. Water Loss	49%
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 Louisa Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21127006	Louisa WTP Water Intake Improvements Phase 2	3-5 Years	Not Funded	\$1,385,000	Lawrence		
WX21127003	Louisa: Water Distribution Rehab	3-5 Years	Not Funded	\$1,250,000	Lawrence		
WX21127005	Louisa: WTP Water Intake Improvements Phase 1	0-2 Years	Not Funded	\$265,200	Lawrence		
WX21127019	Louisa: Relocate Waterline at the Louisa Walmart	3-5 Years	Not Funded	\$85,000	Lawrence		

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 263.18 miles of existing water lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,546,936.
- 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 53 serviceable households will be added through the construction of 4.00 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	4	\$2,379,900	51	1,051	3.00	2.00	-
City of Campton	1	\$167,036	2	-	1.00	-	-
Totals:	5	\$2,546,936	53	1,051	4.00	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	7,168	3,075
KY0330123	Estill County Water District #1	Estill	34	21
KY0950036	Booneville Water and Sewer	Owsley	28	11
KY1190061	Campton Water System	Wolfe	49	24
		Totals:	7,279	3,131



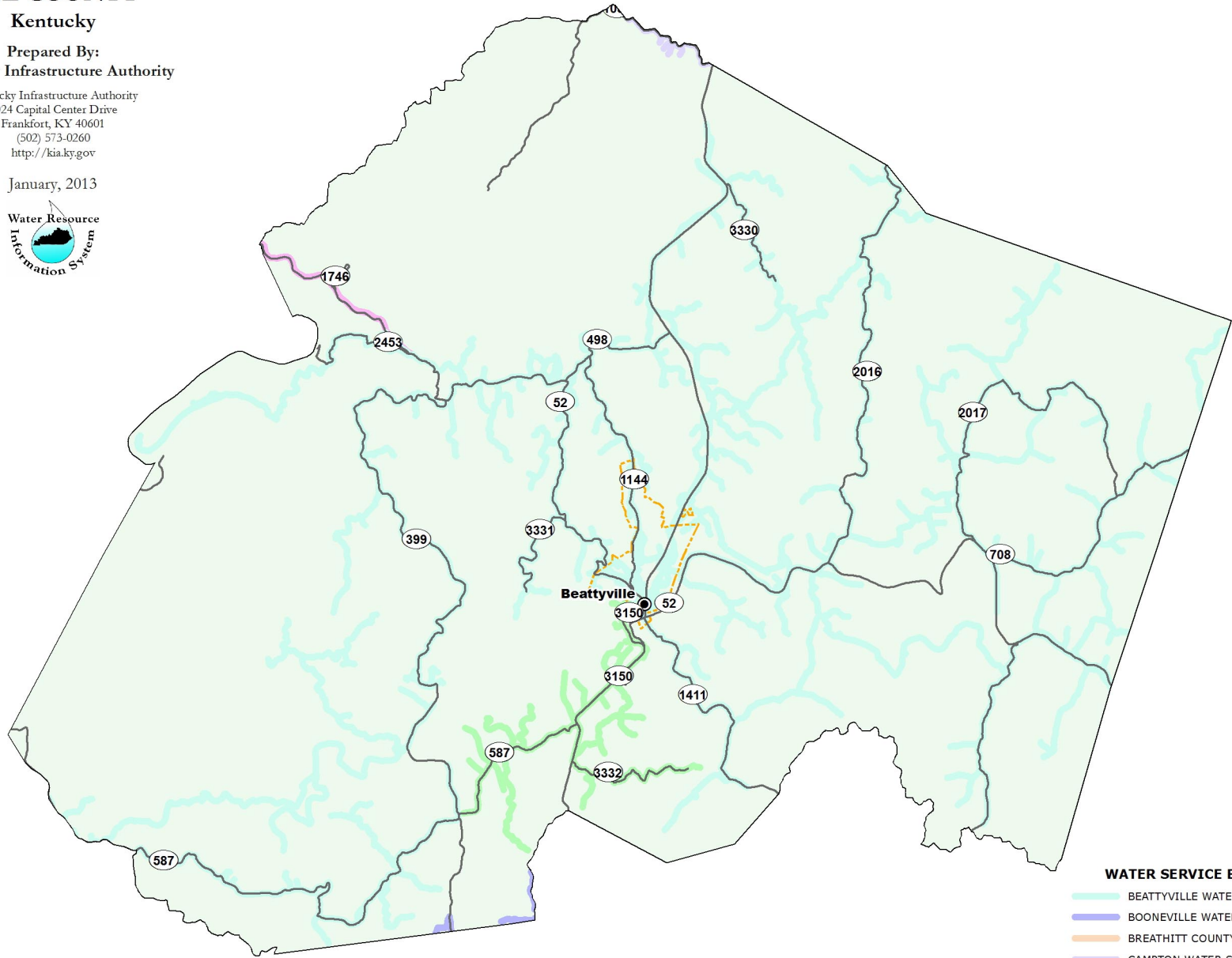
WATER SERVICE AREAS LEE COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- BOONEVILLE WATER AND SEWER
- BREATHITT COUNTY WATER DISTRICT
- CAMPTON WATER SYSTEM
- ESTILL COUNTY WATER DISTRICT #1
- SOUTHSIDE WATER ASSOCIATION

Lee County (continued)

System Summary for Beattyville Water Works

PWSID	KY0650024	Treats Water	No
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 1 purchaser.
Inside Mun. Cost	\$26.50 per 4,000 gallons.	Storage Capacity	Yes, 11 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$32.49 per 4,000 gallons.	Total Connections	2,605
Residential Customers	2,438	Total Produced (MG)	262.182
Commercial Customers	140	Total Purchased (MG)	8.622
Institutional Customers	-	Total Inside Usage (MG)	176.309
Industrial Customers	6	Total Wholesale Sold (MG)	0.100
Wholesale Customers	1	Estimated Pct. Water Loss	35%
Total Distribution System Line Length = 262.94 miles (Distribution: 261.80 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	3	1
WX21129005	Beattyville - Cathedral Domain Waterline Extension	3-5 Years	Not Funded	\$700,000	Lee		
WX21129007	Southside Water Association Acquisition and Meter Replacement Pr	0-2 Years	Not Funded	\$575,000	Lee		
WX21129071	Beattyville Various Water Line Extension Project	3-5 Years	Not Funded	\$492,900	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.
- 33.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$4,287,900.
- 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 100 serviceable households will be added through the construction of 33.00 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	\$4,287,900	100	4,600	33.00	2.00	-
Totals:	4	\$4,287,900	100	4,600	33.00	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



WATER SERVICE AREAS LESLIE COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

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January, 2013



- WATER SERVICE BY OWNER**
- GREEN HILLS WATER DISTRICT
 - HAZARD WATER DEPARTMENT
 - HYDEN LESLIE CO WATER DISTRICT
 - MANCHESTER WATER WORKS

Leslie County (continued)

System Summary for Hyden Leslie Co Water District

PWSID	KY0660204	Treats Water	No
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	\$26.90 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	3,474
Residential Customers	3,202	Total Produced (MG)	363.426
Commercial Customers	268	Total Purchased (MG)	2.972
Institutional Customers	-	Total Inside Usage (MG)	235.050
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	36%
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	Not Funded	\$977,900	Leslie	4	1
WX21131005	Phase V Water System Improvements	3-5 Years	Not Funded	\$655,000	Leslie		3
WX21131006	Phase VI Water System Improvements	3-5 Years	Not Funded	\$655,000	Leslie		4
WX21131111	Hyden/Leslie Water System Improvements Phase II	0-2 Years	Partially Funded	\$2,000,000	Leslie		

Letcher County

- 2010 census population of 24,519 (11,601 households) with 67% serviceable.
- Projected 2020 population of 24,237 (change of -282).
- Letcher County has 248.40 miles of existing water lines.
- 96.00 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: \$23,283,388.
- 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 67 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,196 serviceable households will be added through the construction of 96.00 miles of water line extensions and approximately 10,764 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)
			Unserviced	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	2	\$7,750,000	-	2,600	-	-	-
Knott County Water & Sewer District	1	\$46,000	3	-	-	-	-
Letcher County Fiscal Court	1	\$125,000	-	2,196	-	-	-
Letcher County Water & Sewer District	9	\$11,851,388	1,178	1,467	94.00	-	-
Totals:	18	\$28,622,388	1,196	10,764	96.00	-	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	3,199	1,588
KY0670213	Jenkins Water System	Letcher	2,603	1,249
KY0670462	Letcher County Water and Sewer District	Letcher	7,193	3,405
KY0670466	Whitesburg Water System	Letcher	3,159	1,461
KY0480092	Cumberland Municipal Water Works	Harlan	72	30
KY0970484	Vicco Water Supply	Perry	32	12
Totals:			16,258	7,745



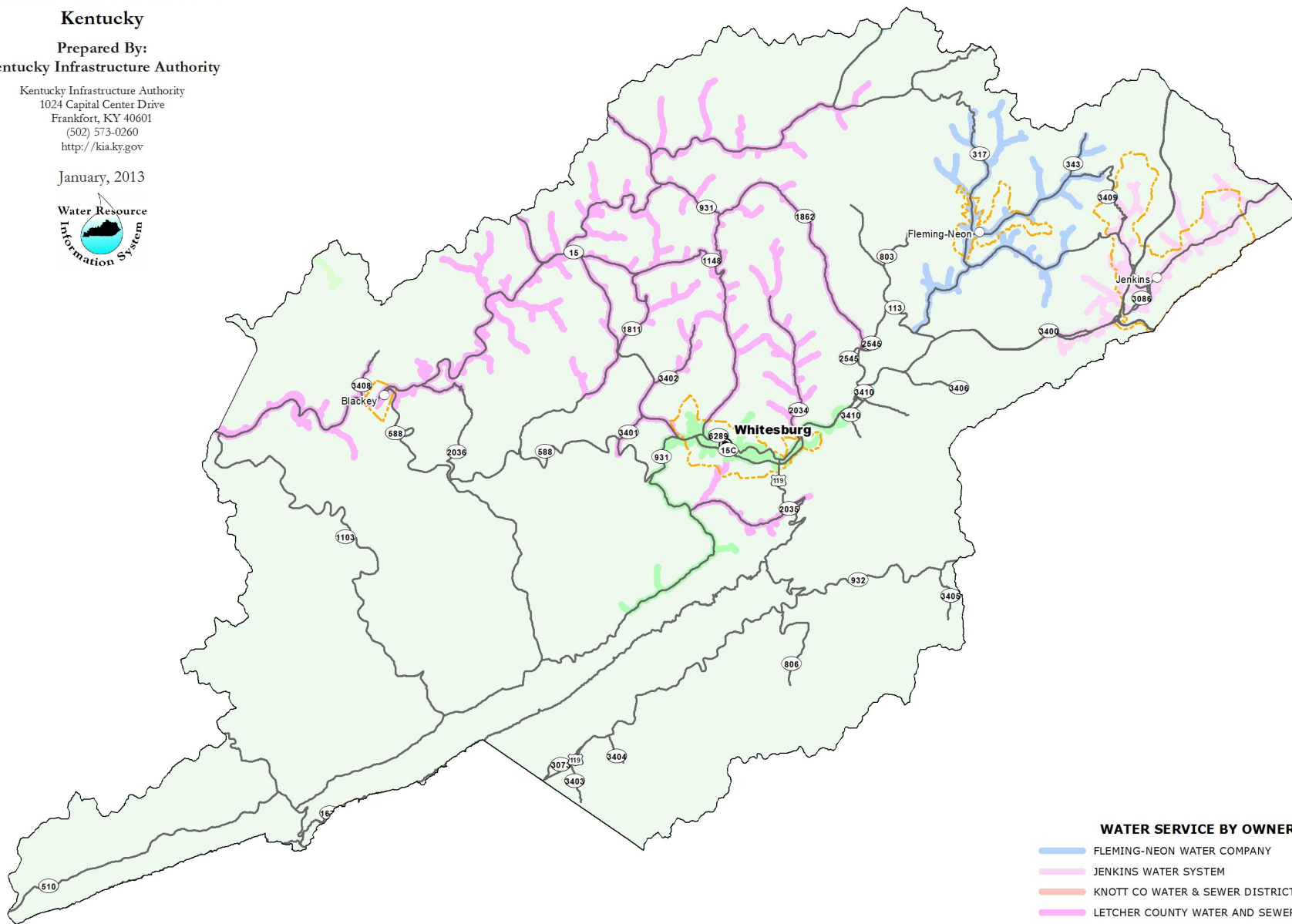
WATER SERVICE AREAS LETCHER COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- FLEMING-NEON WATER COMPANY
- JENKINS WATER SYSTEM
- KNOTT CO WATER & SEWER DISTRICT
- LETCHER COUNTY WATER AND SEWER DISTRICT
- SOUTHERN WATER & SEWER DISTRICT
- VICCO WATER SUPPLY
- WHITESBURG WATER SYSTEM

Letcher County (continued)

System Summary for Fleming-Neon Water Company

PWSID	KY0670279	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	Yes, 1 source.
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	\$22.84 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$25.04 per 4,000 gallons.	Total Connections	1,152
Residential Customers	1,108	Total Produced (MG)	99.669
Commercial Customers	44	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	62.913
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%
Total Distribution System Line Length = 35.06 miles (Distribution: 34.49 miles, Transmission: 0.57 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
WX21133015	Fleming-Neon Waterline Interconnection	3-5 Years	Not Funded	\$400,000	Letcher		3
WX21133031	Pine Mountain Water Study	3-5 Years	Not Funded	\$125,000	Letcher		4
WX21133029	Water Treatment Plant Upgrade Project	3-5 Years	Not Funded	\$3,000,000	Letcher		8

Letcher County (continued)

System Summary for Jenkins Water System

PWSID	KY0670213	Treats Water	No
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	\$26.50 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$44.00 per 4,000 gallons.	Total Connections	933
Residential Customers	878	Total Produced (MG)	183.962
Commercial Customers	55	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	85.901
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	53%
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		3
WX21133031	Pine Mountain Water Study	3-5 Years	Not Funded	\$125,000	Letcher		4
WX21133050	Jenkins - Water Plant Improvements	3-5 Years	Not Funded	\$3,000,000	Letcher		6
WX21133045	Jenkins -Water Tank Rehabilitation	3-5 Years	Not Funded	\$600,000	Letcher		7
WX21133047	Jenkins - Fishpond Lake Raw Water Project	3-5 Years	Not Funded	\$1,850,000	Letcher		16



Letcher County (continued)

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	\$34.00 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	2,430
Residential Customers	2,370	Total Produced (MG)	-
Commercial Customers	43	Total Purchased (MG)	295.166
Institutional Customers	-	Total Inside Usage (MG)	146.654
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	50%
Total Distribution System Line Length = 143.41 miles (Distribution: 141.75 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
WX21133024	Hazard-Letcher County Water Interconnection Project	0-2 Years	Not Funded	\$625,000	Letcher	5	1
WX21133032	Radio Read Meter Conversion	0-2 Years	Partially Funded	\$204,720	Letcher	12	2
WX21133025	Loggy Hollow Water Improvements Project	0-2 Years	Not Funded	\$104,820	Letcher		5
WX21133017	LCWSD - Millstone Water Project	3-5 Years	Partially Funded	\$2,610,000	Letcher		9
WX21133016	Letcher - Hwy 510/Gordon Water Line Extensions	6-10 Years	Not Funded	\$2,739,000	Letcher		12
WX21133012	Letcher - Kings Creek/Oscalosa	6-10 Years	Not Funded	\$2,600,000	Letcher		13
WX21133018	Letcher - Cumberland River Water Line Extension Project - Ph. II	3-5 Years	Not Funded	\$1,378,998	Letcher		17
WX21133023	Letcher - Cumberland River Water Line Extension Phase III	3-5 Years	Not Funded	\$1,088,850	Letcher		18
WX21133028	Bull Creek/Elk Creek (Carcassonne area) Phase I Water Improvements Project	3-5 Years	Not Funded	\$500,000	Letcher		

Letcher County (continued)

System Summary for Whitesburg Water System

PWSID	KY0670466	Treats Water	No
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 = 32.00 miles (Distribution: 31.98 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		4
WX21133025	Loggy Hollow Water Improvements Project	0-2 Years	Not Funded	\$104,820	Letcher		5
WX21133101	Whitesburg - Water Treatment Plant Expansion	3-5 Years	Not Funded	\$7,000,000	Letcher		10
WX21133100	Whitesburg - Water Storage Tank Rehabilitation	3-5 Years	Not Funded	\$750,000	Letcher		11

Lewis County

- 2010 census population of 13,870 (6,481 households) with 95% serviceable.
- Projected 2020 population of 13,899 (change of 29).
- Lewis County has 439.49 miles of existing water lines.
- 28.00 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: \$3,406,000.
- Estimated funding needs for projects from 6 to 10 years: \$4,490,000.



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 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 201 serviceable households will be added through the construction of 28.00 miles of water line extensions and approximately 6,773 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)
			Unserviced	Underserved			
Garrison-Quincy-Ky-O-Heights Water District	4	\$3,421,000	63	1,473	3.00	5.00	-
Western Lewis-Rectorville Water & Gas District	3	\$4,475,000	138	5,300	25.00	-	-
Totals:	7	\$7,896,000	201	6,773	28.00	5.00	-

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	2,808	1,247
KY0680438	Vanceburg Water	Lewis	6,200	2,936
KY0220555	Rattlesnake Ridge Water District	Carter	103	50
KY0350133	Fleming County Water Association	Fleming	731	314
KY0450410	South Shore Water Department	Greenup	374	189
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	3,029	1,413
		Totals:	13,245	6,149



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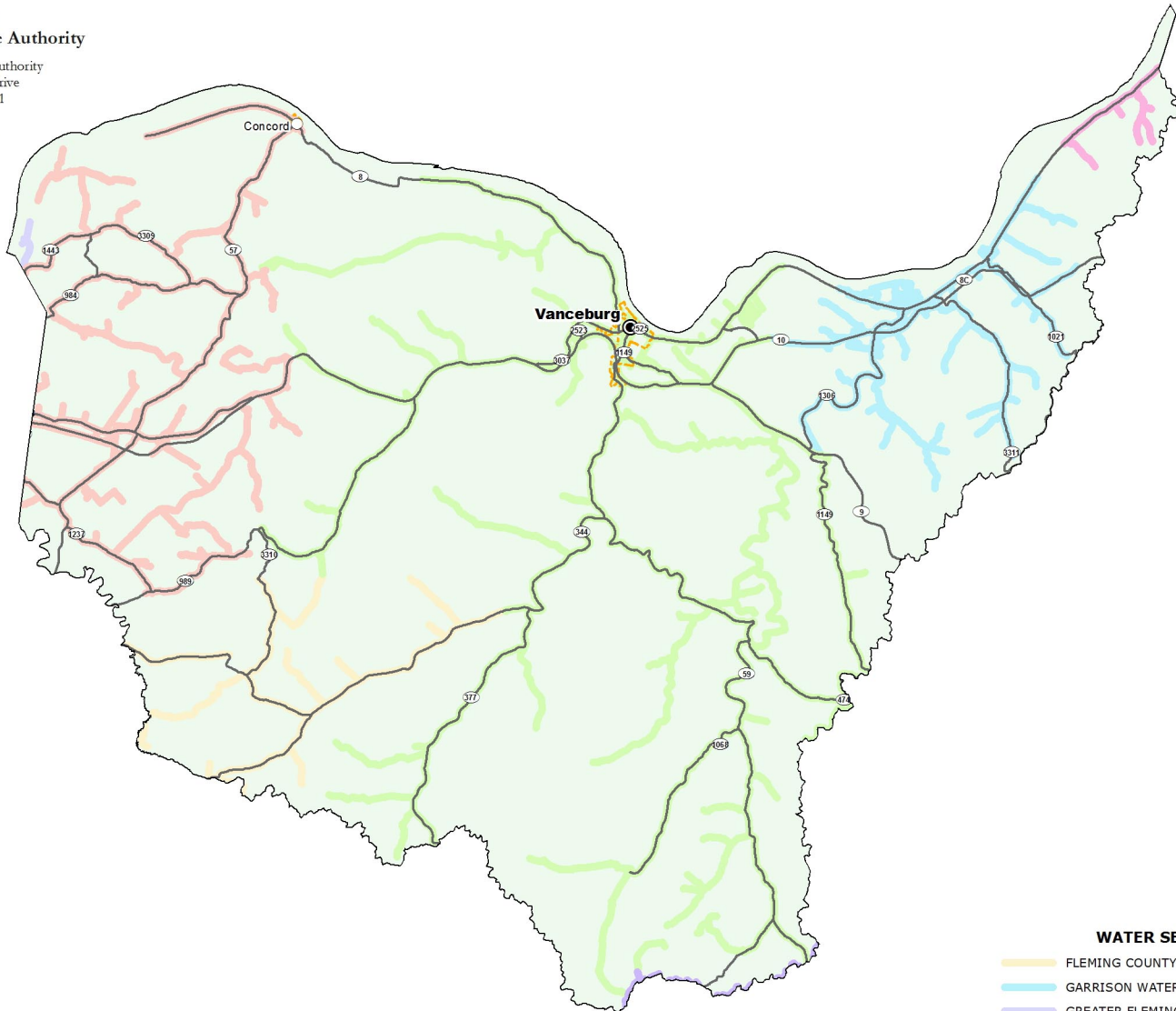
WATER SERVICE AREAS LEWIS COUNTY

Kentucky

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Kentucky Infrastructure Authority

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January, 2013



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

Lewis County (continued)

System Summary for Garrison Water

PWSID	KY0680153	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	Yes, 3 sources.
Employees	6	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$33.06 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	1,065
Residential Customers	1,026	Total Produced (MG)	56.381
Commercial Customers	39	Total Purchased (MG)	14.021
Institutional Customers	-	Total Inside Usage (MG)	54.029
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 69.83 miles (Distribution: 69.78 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	6-10 Years	Not Funded	\$1,709,000	Lewis	14	3
WX21135015	GQWD- Phase I AC Water Line Replacement- Bentleyville to Quincy	6-10 Years	Not Funded	\$430,000	Lewis	24	5
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	6-10 Years	Not Funded	\$451,000	Lewis	26	6
WX21135013	Garrison Quincy WD-New Well & WTP Improvement Project	0-2 Years	Not Funded	\$831,000	Lewis		

Lewis County (continued)

System Summary for Vanceburg Water

PWSID	KY0680438	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Municipal Utility Board or Commission	Groundwater Source	Yes, 4 sources.
Employees	17	Wholesale Purchaser	Yes, from 1 provider.
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	2,603
Residential Customers	2,445	Total Produced (MG)	325.900
Commercial Customers	131	Total Purchased (MG)	0.056
Institutional Customers	1	Total Inside Usage (MG)	160.221
Industrial Customers	9	Total Wholesale Sold (MG)	14.021
Wholesale Customers	2	Estimated Pct. Water Loss	47%
Total Distribution System Line Length = 212.25 miles (Distribution: 205.94 miles, Transmission: 6.31 miles).			

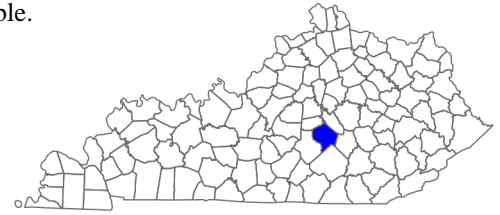
MG = Million Gallons.
 MGD = Million Gallons per Day.

There are no immediate projects for Vanceburg Water



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 574.69 miles of existing water lines.
- 19.00 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: \$3,947,631.
- 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 44 serviceable households will be added through the construction of 19.00 miles of water line extensions and approximately 1,196 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 Crab Orchard	2	\$615,500	-	18	2.00	-	-
City of Eubank	3	\$712,500	-	1,015	-	-	-
City of Hustonville	1	\$476,400	-	92	-	3.00	-
City of Stanford	1	\$1,060,000	-	54	1.00	1.00	-
Lincoln County Fiscal Court	6	\$470,000	39	-	11.00	-	-
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:	17	\$7,947,631	44	1,196	19.00	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	1,070	517
KY0690203	Hustonville Water Works	Lincoln	4,076	1,792
KY0690278	McKinney Water District	Lincoln	4,232	1,823
KY0690417	Stanford Water Commission	Lincoln	7,855	3,354
KY0110097	Danville City Water Works	Boyle	419	192
KY0110345	Parksville Water District	Boyle	94	43
KY0400151	Garrard County Water Association	Garrard	449	178
KY1000124	Eubank Water System	Pulaski	4,377	1,949
KY1000311	Southeastern Water Association	Pulaski	31	22
KY1020891	Western Rockcastle Water Association	Rockcastle	1,544	691
Totals:			24,147	10,561



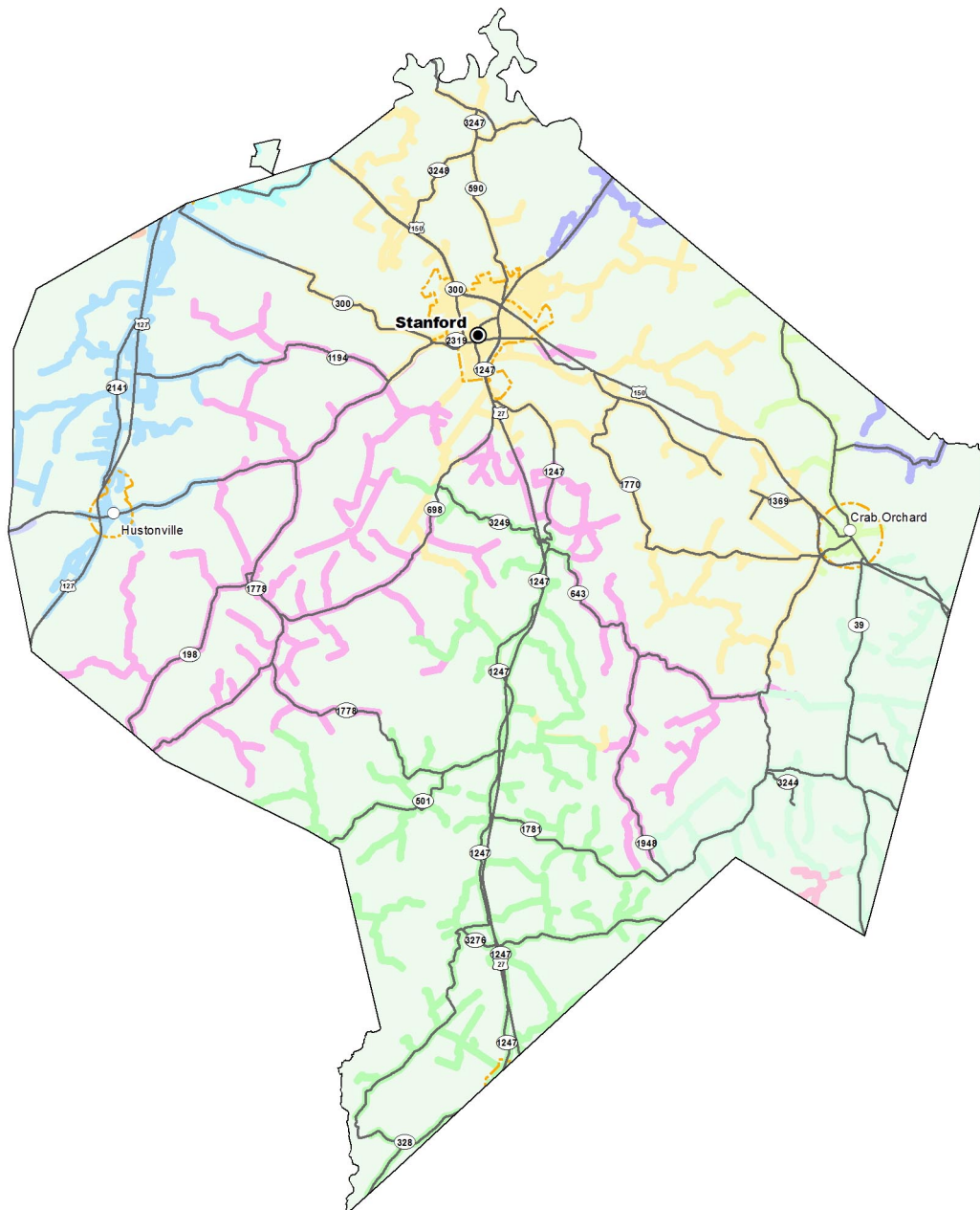
WATER SERVICE AREAS LINCOLN COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- CRAB ORCHARD WATER WORKS
- DANVILLE CITY WATER WORKS
- EAST CASEY COUNTY WATER DISTRICT
- EUBANK WATER SYSTEM
- GARRARD COUNTY WATER ASSOCIATION
- HUSTONVILLE WATER WORKS
- MCKINNEY WATER DISTRICT
- PARKSVILLE WATER DISTRICT
- SOUTHEASTERN WATER ASSOCIATION
- STANFORD WATER COMMISSION
- WESTERN ROCKCASTLE WATER ASSOCIATION

Lincoln County (continued)

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	\$33.66 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	\$43.26 per 4,000 gallons.	Total Connections	563
Residential Customers	540	Total Produced (MG)	-
Commercial Customers	35	Total Purchased (MG)	35.000
Institutional Customers	-	Total Inside Usage (MG)	29.629
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 25.30 miles (Distribution: 18.85 miles, Transmission: 6.45 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
WX21137045	City of Crab Orchard - Radio Read Conversion Project	0-2 Years	Not Funded	\$315,000	Lincoln	32	5
WX21137049	City of Crab Orchard - Deepwell Woods Road Water Line	3-5 Years	Not Funded	\$300,500	Lincoln		
WX21137048	City of Crab Orchard - J & V Lane New Water Line	3-5 Years	Not Funded	\$174,000	Lincoln		



Lincoln County (continued)

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	\$18.11 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$22.64 per 4,000 gallons.	Total Connections	1,870
Residential Customers	1,895	Total Produced (MG)	-
Commercial Customers	15	Total Purchased (MG)	96.535
Institutional Customers	-	Total Inside Usage (MG)	83.501
Industrial Customers	1	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 73.57 miles (Distribution: 73.57 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
WX21137046	City of Hustonville - Water Systems Improvements	0-2 Years	Not Funded	\$476,400	Lincoln	12	4

Lincoln County (continued)

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	\$33.36 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	2,196
Residential Customers	1,849	Total Produced (MG)	-
Commercial Customers	19	Total Purchased (MG)	105.586
Institutional Customers	-	Total Inside Usage (MG)	101.540
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	4%
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	Not Funded	\$20,055	Lincoln		

Lincoln County (continued)

System Summary for Stanford Water Commission

PWSID	KY0690417	Treats Water	No
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	\$16.77 per 4,000 gallons.	Storage Capacity	Yes, 6 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	\$19.11 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)	82.490
Wholesale Customers	2	Estimated Pct. Water Loss	30%
Total Distribution System Line Length = 168.07 miles (Distribution: 156.98 miles, Transmission: 11.09 miles).			

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

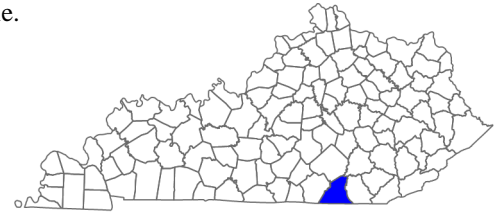
Project Summary (Top 18 Approved, 0-5 years) for Stanford Water Commission

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		
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		



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 334.95 miles of existing water lines.
- 24.00 miles of line extensions proposed in the next 10 years.
- 16.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$25,576,727.
- 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 173 serviceable households will be added through the construction of 24.00 miles of water line extensions and approximately 12,030 instances of improved service through the rehabilitation of 16.00 miles of existing water lines and other appurtenances.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
McCreary County Water District	21	\$25,822,727	173	12,030	24.00	16.00	-
Totals:	21	\$25,822,727	173	12,030	24.00	16.00	-

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	14,871	6,264
		Totals:	14,871	6,264



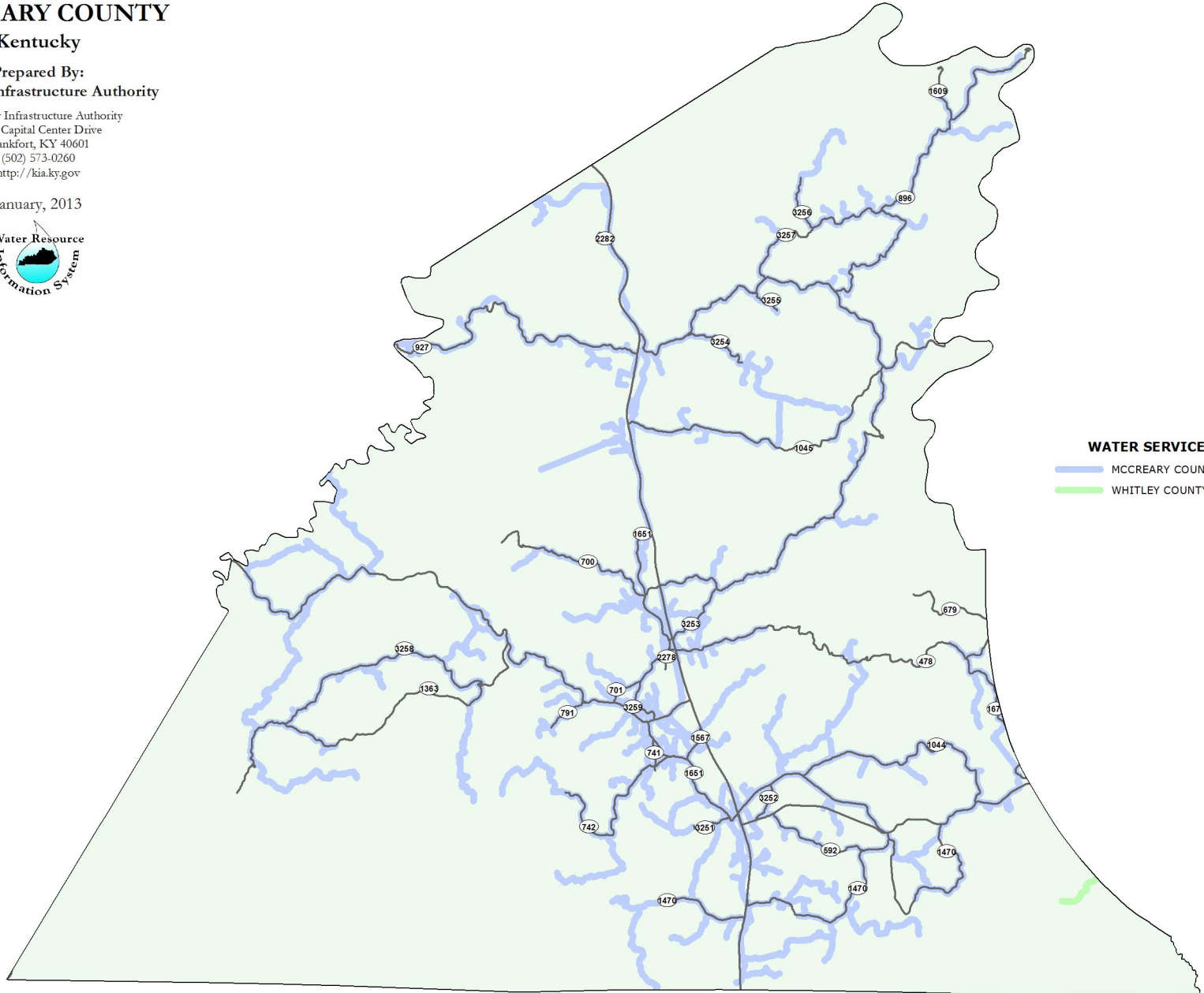
WATER SERVICE AREAS MCCREARY COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- MCCREARY COUNTY WATER DISTRICT
- WHITLEY COUNTY WATER DISTRICT

McCreary County (continued)

System Summary for McCreary County Water District

PWSID	KY0740276	Treats Water	No
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	20	Wholesale Purchaser	No
Non-Municipal Cost	\$29.85 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	7,044
Residential Customers	5,696	Total Produced (MG)	584.386
Commercial Customers	254	Total Purchased (MG)	-
Institutional Customers	1	Total Inside Usage (MG)	504.496
Industrial Customers	6	Total Wholesale Sold (MG)	5.260
Wholesale Customers	1	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 333.69 miles (Distribution: 316.47 miles, Transmission: 17.22 miles).			

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

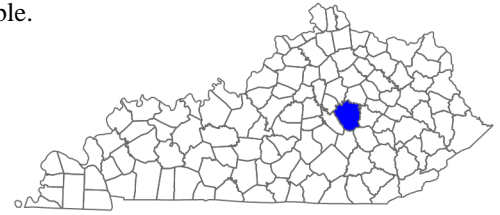
Project Summary (Top 18 Approved, 0-5 years) for McCreary County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
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		
WX21147015	MCCWD – Stearns to Smithtown/Tunnel Ridge Road Water Main Replacement Project	3-5 Years	Not Funded	\$1,218,000	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		
WX21147028	MCWD-Ky Hwy. 92/Smithtown Waterline Improvements	3-5 Years	Not Funded	\$690,000	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		
WX21147017	MCCWD – Williamsburg Street Water Main Replacement Project	3-5 Years	Not Funded	\$149,000	McCreary		



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 974.23 miles of existing water lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 14.00 miles of line rehabilitation proposed in the next 10 years.
- 7.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$27,105,657.
- 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 71,902 instances of improved service through the rehabilitation of 14.00 miles of existing water lines and other appurtenances. 7.00 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)
			Unservd	Underserved			
City of Berea	2	\$12,680,000	-	4,600	-	-	1.00
City of Richmond	8	\$7,910,470	-	65,352	2.00	3.00	5.00
Kirksville Water Association	3	\$590,550	-	354	-	2.00	-
Kirksville Water Association Inc	4	\$1,120,491	-	824	-	3.00	1.00
Madison County Utilities District	4	\$4,217,178	-	135	1.00	4.00	-
Southern Madison Water District	3	\$2,545,768	-	637	3.00	2.00	-
Totals:	24	\$29,064,457	-	71,902	6.00	14.00	7.00

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	4,345	1,808
KY0760224	Madison County Utilities District	Madison	24,579	10,203
KY0760370	Richmond Water, Gas & Sewer	Madison	31,839	13,810
KY0760407	Southern Madison Water District	Madison	11,333	4,720
KY0330123	Estill County Water District #1	Estill	28	12
KY0400151	Garrard County Water Association	Garrard	137	60
KY0550209	Jackson County Water Association Inc	Jackson	50	21
		Totals:	82,283	34,765



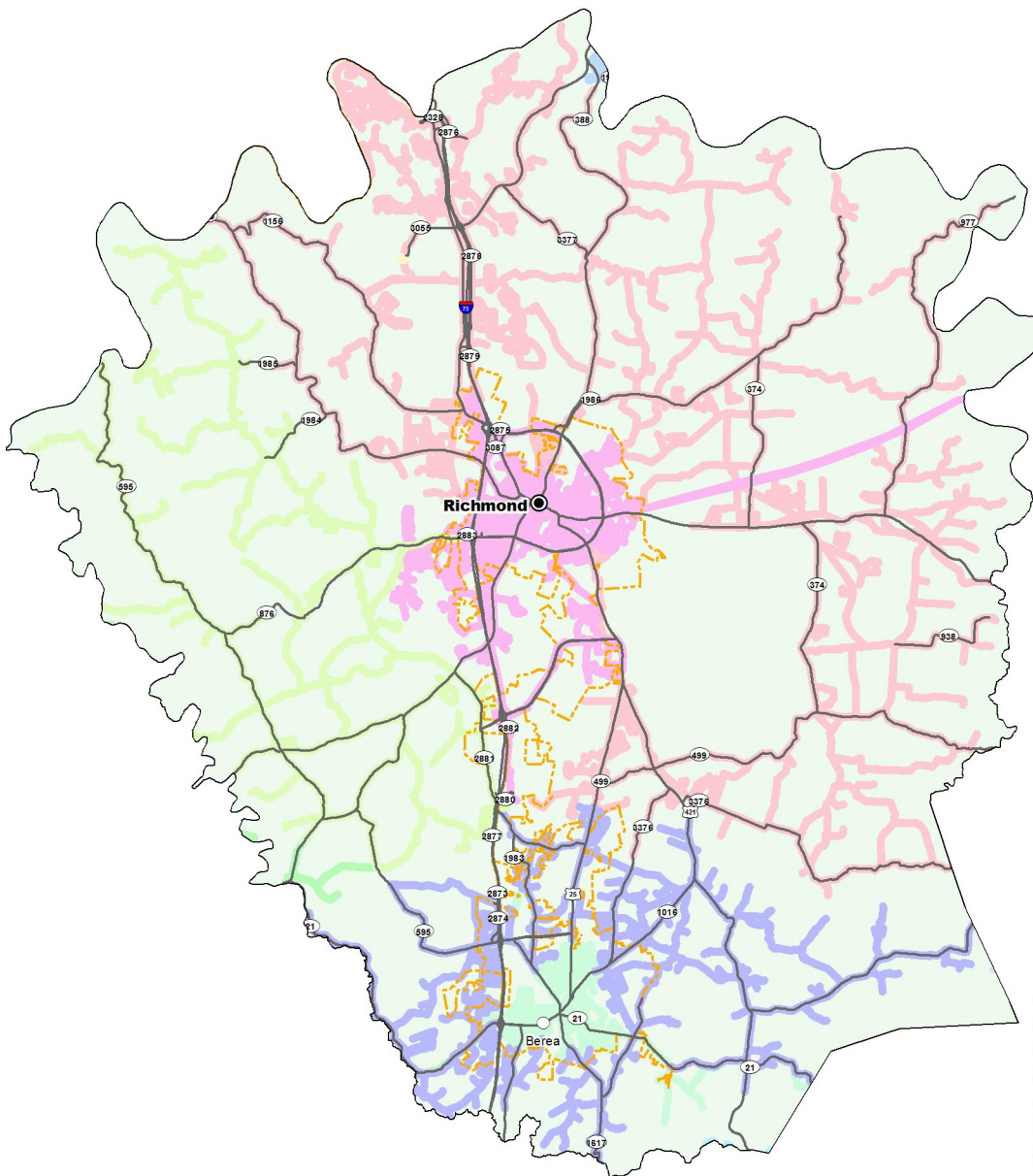
WATER SERVICE AREAS MADISON COUNTY

Kentucky

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January, 2013



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

Madison County (continued)

System Summary for Berea Municipal Utilities

PWSID	KY0760030	Treats Water	No
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	\$26.03 per 4,000 gallons.	Storage Capacity	Yes, 2 tanks with total capacity of 3,000 MG.
Outside Mun. Cost	\$26.03 per 4,000 gallons.	Total Connections	4,053
Residential Customers	3,543	Total Produced (MG)	1,030,000
Commercial Customers	385	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	24,900
Industrial Customers	123	Total Wholesale Sold (MG)	350,000
Wholesale Customers	2	Estimated Pct. Water Loss	64%
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
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	\$680,000	Madison	9	3
WX21151040	Berea Utilities - Upper Owsley Reservoir	0-2 Years	Partially Funded	\$12,000,000	Madison	11	6

Madison County (continued)

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	\$33.68 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,769
Residential Customers	1,715	Total Produced (MG)	-
Commercial Customers	54	Total Purchased (MG)	108.855
Institutional Customers	2	Total Inside Usage (MG)	6.190
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	94%
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	6	1
WX21151020	Kirksville Water Association - Caleast Road Water Line Upgrade	3-5 Years	Not Funded	\$667,391	Madison	28	4
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	\$1,479,200	Madison		
WX21151049	Mixing Systems for Two 5Mg Ground Storage Tanks	3-5 Years	Not Funded	\$338,300	Madison		
WX21151057	Kirksville Water Association - Welchwood / John Ballard WL Repla	3-5 Years	Not Funded	\$284,600	Madison		
WX21151034	Barnes Mill Waterline Loop-Kirksville Water Association	3-5 Years	Not Funded	\$195,100	Madison		
WX21151025	Highway 595 Water Line Replacement	6-10 Years	Not Funded	\$190,200	Madison		
WX21151056	Kirksville Water Association - Welchwood Master Meter Connection	0-2 Years	Not Funded	\$189,500	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		



Madison County (continued)

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	18	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)	674.885
Institutional Customers	24	Total Inside Usage (MG)	467.064
Industrial Customers	4	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	31%
Total Distribution System Line Length = 401.31 miles (Distribution: 401.31 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	6	1
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	\$1,479,200	Madison		
WX21151024	Eastern 500,000 Gallon Tank - Madison County Utilities District	6-10 Years	Not Funded	\$1,345,600	Madison		
WX21151022	Boonesboro 500,000 Gallon Elevated Tank Madison County Utilities District	3-5 Years	Not Funded	\$1,284,500	Madison		
WX21151051	MCUD Improvements Phase 4	0-2 Years	Partially Funded	\$856,778	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		



Madison County (continued)

System Summary for Richmond Water, Gas & Sewer

PWSID	KY0760370	Treats Water	No
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	\$12.65 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 14,000 MG.
Outside Mun. Cost	\$16.01 per 4,000 gallons.	Total Connections	13,500
Residential Customers	10,774	Total Produced (MG)	2,325.050
Commercial Customers	1,316	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	1,193.280
Industrial Customers	33	Total Wholesale Sold (MG)	783.740
Wholesale Customers	2	Estimated Pct. Water Loss	15%
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	6	1
WX21151046	Richmond Utilities 20" Water Transmission Main Replacement	3-5 Years	Not Funded	\$1,479,200	Madison		
WX21151047	Richmond Main Street 10" Line Replacement	0-2 Years	Not Funded	\$1,241,750	Madison		
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		
WX21151044	Richmond Utilities Red House Road 12" Water Line Connector	3-5 Years	Not Funded	\$368,650	Madison		
WX21151049	Mixing Systems for Two 5Mg Ground Storage Tanks	3-5 Years	Not Funded	\$338,300	Madison		



Madison County (continued)

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	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$26.46 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$25.71 per 4,000 gallons.	Total Connections	4,859
Residential Customers	4,757	Total Produced (MG)	-
Commercial Customers	98	Total Purchased (MG)	324.000
Institutional Customers	1	Total Inside Usage (MG)	239.092
Industrial Customers	2	Total Wholesale Sold (MG)	5.928
Wholesale Customers	1	Estimated Pct. Water Loss	24%
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	9	3
WX21151032	Southern Madison Water District - Smith Lane Water Line Upgrade Project	0-2 Years	Not Funded	\$250,000	Madison	29	5
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		

Magoffin County

- 2010 census population of 13,333 (5,950 households) with 97% serviceable.
- Projected 2020 population of 13,587 (change of 254).
- Magoffin County has 366.91 miles of existing water lines.
- 21.00 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: \$5,805,250.
- Estimated funding needs for projects from 6 to 10 years: \$7,269,900.



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 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 21.00 miles of water line extensions and approximately 3,481 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			
Magoffin County Fiscal Court	3	\$1,433,515	7	-	5.00	-	-
Magoffin County Water District	6	\$2,136,400	18	3,441	13.00	-	-
Prestonsburg City's Utilities Commission	1	\$1,088,085	-	-	-	-	-
Salyersville Water Works	4	\$8,417,150	-	40	3.00	1.00	-
Totals:	14	\$13,075,150	25	3,481	21.00	1.00	-

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	10,648	4,759
KY0770566	Salyersville Water Works	Magoffin	2,256	1,004
		Totals:	12,904	5,763



Kentucky Infrastructure Authority
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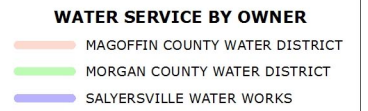
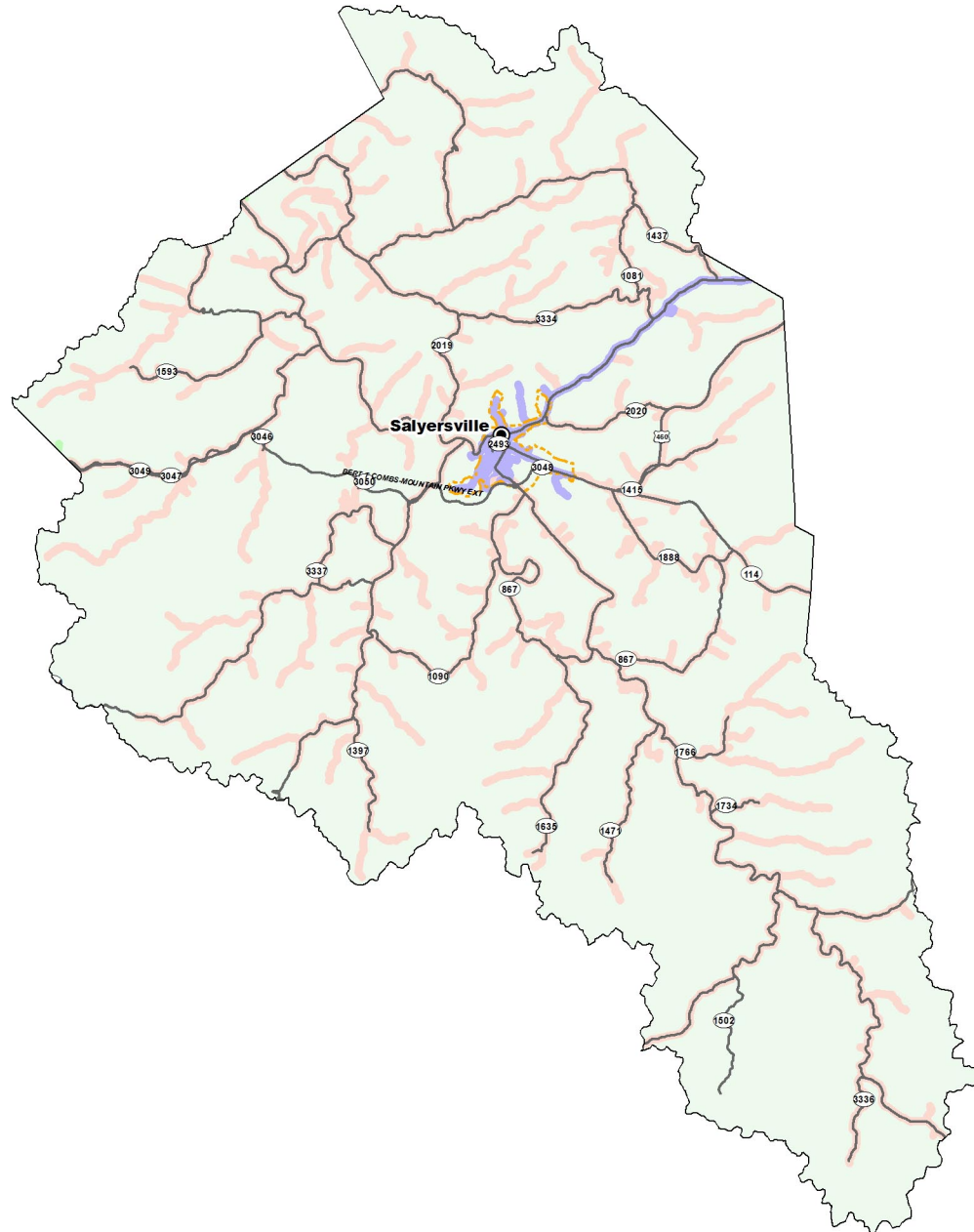
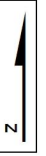
WATER SERVICE AREAS MAGOFFIN COUNTY

Kentucky

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January, 2013



Magoffin County (continued)

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 1 provider.
Non-Municipal Cost	\$29.80 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	3,467
Residential Customers	3,394	Total Produced (MG)	-
Commercial Customers	71	Total Purchased (MG)	192,000.000
Institutional Customers	-	Total Inside Usage (MG)	186.280
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	100%
Total Distribution System Line Length = 339.94 miles (Distribution: 339.48 miles, Transmission: 0.46 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
WX21153019	Magoffin Industrial Park	0-2 Years	Not Funded	\$431,300	Magoffin	1	1
WX21153023	Magoffin County Water District - Radio Telemetry System	3-5 Years	Not Funded	\$600,000	Magoffin	6	2
WX21153029	Magoffin - KY 542 Water Line Extension	6-10 Years	Not Funded	\$772,900	Magoffin		
WX21153027	Magoffin - Emergency Tie-Ins - US 460 and KY 114	6-10 Years	Not Funded	\$558,000	Magoffin		
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	3-5 Years	Not Funded	\$89,700	Magoffin		
WX21153014	Waterline Extensions Top Lark Arnett Hill	3-5 Years	Not Funded	\$25,000	Magoffin		

Magoffin County (continued)

System Summary for Salyersville Water Works

PWSID	KY0770566	Treats Water	No
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 1 purchaser.
Inside Mun. Cost	\$32.50 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$41.10 per 4,000 gallons.	Total Connections	1,200
Residential Customers	1,063	Total Produced (MG)	252.000
Commercial Customers	136	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	72.000
Industrial Customers	1	Total Wholesale Sold (MG)	192,000.000
Wholesale Customers	1	Estimated Pct. Water Loss	-76119%
Total Distribution System Line Length = 34.48 miles (Distribution: 25.86 miles, Transmission: 8.62 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
WX21153033	Salyersville Aging Main Phase III	0-2 Years	Not Funded	\$350,150	Magoffin	10	3
WX21153518	Salyersville Raw Water Supply Project	6-10 Years	Not Funded	\$5,939,000	Magoffin		
WX21153012	Salyersville Water Supply Project-Phase III	0-2 Years	Not Funded	\$1,600,000	Magoffin		
WX21153025	Magoffin County Water District Waterline Extensions	0-2 Years	Not Funded	\$600,000	Magoffin		
WX21153519	Salyersville Raw Water Supply Project - Drilled Production Wells	0-2 Years	Not Funded	\$528,000	Magoffin		
WX21153013	Salyersville Debt Relief	0-2 Years	Not Funded	\$350,000	Magoffin		
WX21153018	Magoffin County High School Infrastructure - Waterline Extension	0-2 Years	Not Funded	\$275,515	Magoffin		



Martin County

- 2010 census population of 12,929 (5,164 households) with 99% serviceable.
- Projected 2020 population of 12,055 (change of -874).
- Martin County has 238.37 miles of existing water lines.
- 2.00 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: \$969,478.
- Estimated funding needs for projects from 6 to 10 years: \$405,000.



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 99 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,600 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)
			Unserviced	Underserved			
Martin County Water District	2	\$1,227,500	-	3,600	2.00	-	-
Prestonsburg City's Utilities Commission	1	\$146,978	-	-	-	-	-
Totals:	3	\$1,374,478	-	3,600	2.00	-	-

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	11,760	5,083
		Totals:	11,760	5,083



WATER SERVICE AREAS MARTIN COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- MARTIN COUNTY WATER DISTRICT
- PRESTONSBURG CITY'S UTILITIES COMMISSION

Martin County (continued)

System Summary for Martin County Water District

PWSID	KY0800273	Treats Water	No
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	\$41.10 per 4,000 gallons.	Wholesale Provider	No
Inside Mun. Cost	-	Storage Capacity	Yes, 17 tanks with total capacity of 3.000 MG.
Outside Mun. Cost	-	Total Connections	3,600
Residential Customers	3,335	Total Produced (MG)	620.000
Commercial Customers	265	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	570.000
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 238.37 miles (Distribution: 232.74 miles, Transmission: 5.63 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
WX21159021	Martin County Water District Radio Read Meters	0-2 Years	Not Funded	\$822,500	Martin	8	2
WX21159022	Trace Fork / Spicy Ridge Waterline Extension	6-10 Years	Not Funded	\$405,000	Martin		

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 234.60 miles of existing water lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,698,150.
- There are no projects planned from 6 to 10 years.



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 14,014 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Cave Run Water Commission	2	\$175,000	-	14,014	-	-	-
City of Frenchburg	2	\$1,523,150	31	-	7.00	-	-
Totals:	4	\$1,698,150	31	14,014	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	Frenchburg Water and Sewer	Menifee	4,894	3,050
KY0060022	Bath County Water District	Bath	974	414
KY0870212	Jeffersonville Water System	Montgomery	47	20
		Totals:	5,915	3,484



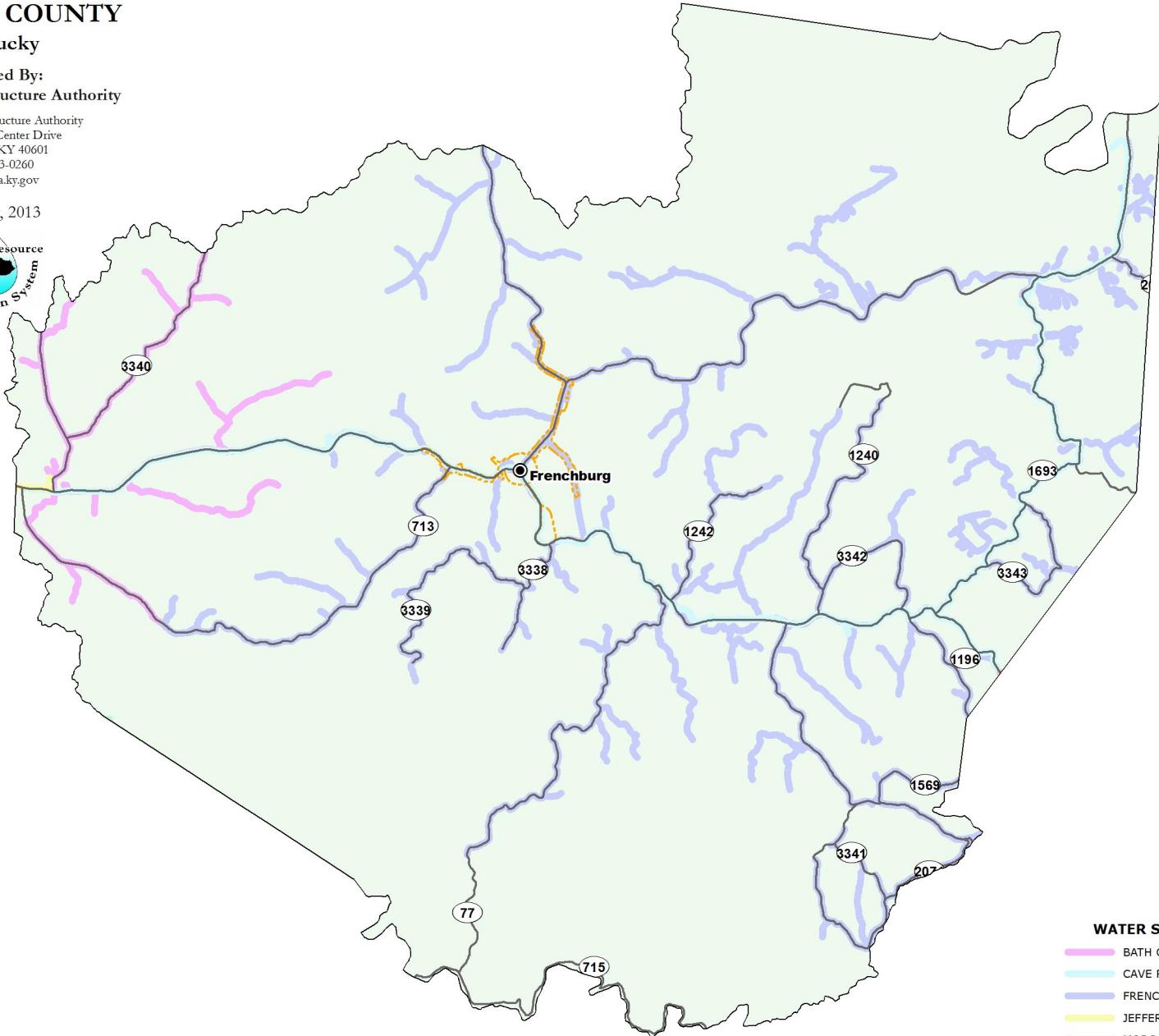
WATER SERVICE AREAS MENIFEE COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- BATH COUNTY WATER DISTRICT
- CAVE RUN WATER COMMISSION
- FRENCHBURG WATER & SEWER
- JEFFERSONVILLE WATER SYSTEM
- MORGAN COUNTY WATER DISTRICT
- POWELLS VALLEY WATER DISTRICT

Menifee County (continued)

System Summary for Cave Run Water Commission

PWSID	KY0831010	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Regional Water Commission	Groundwater Source	No
Employees	3	Wholesale Purchaser	No
Non-Municipal Cost	\$8.80 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)	363.881
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	8.500
Industrial Customers	-	Total Wholesale Sold (MG)	334.224
Wholesale Customers	3	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 32.62 miles (Distribution: 0.00 miles, Transmission: 32.62 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
WX21165023	Cave Run Water Commission Water Pump Rehab Project	3-5 Years	Not Funded	\$150,000	Menifee	7	1
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	\$25,000	Menifee	61	4

Menifee County (continued)

System Summary for Frenchburg Water and Sewer

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	2,750
Residential Customers	2,663	Total Produced (MG)	-
Commercial Customers	85	Total Purchased (MG)	160.464
Institutional Customers	-	Total Inside Usage (MG)	141.571
Industrial Customers	-	Total Wholesale Sold (MG)	7.617
Wholesale Customers	2	Estimated Pct. Water Loss	7%
Total Distribution System Line Length = 193.26 miles (Distribution: 191.38 miles, Transmission: 1.88 miles).			

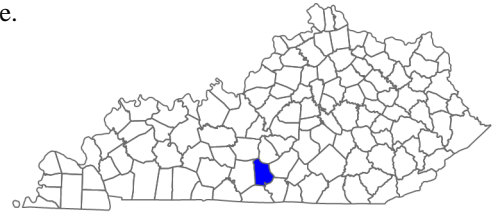
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Frenchburg Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21165023	Cave Run Water Commission Water Pump Rehab Project	3-5 Years	Not Funded	\$150,000	Menifee	7	1
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	\$91,150	Menifee	12	2
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	3-5 Years	Not Funded	\$1,432,000	Menifee	51	3
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	\$25,000	Menifee	61	4

Metcalfe County

- 2010 census population of 10,099 (4,681 households) with 96% serviceable.
- Projected 2020 population of 10,329 (change of 230).
- Metcalfe County has 427.95 miles of existing water lines.
- 3.00 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: \$3,736,207.
- 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 96 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 3.00 miles of water line extensions and approximately 5 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 Edmonton	5	\$3,217,207	32	4	3.00	1.00	-
Cumberland County Water District	2	\$2,519,000	1	1	-	-	-
Totals:	7	\$5,736,207	33	5	3.00	1.00	-

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	7,159	3,302
KY0440167	Green-Taylor Water District	Green	472	247
KY0500166	Green River Valley Water District	Hart	2,023	920
KY0860150	Monroe County Water District	Monroe	63	27
		Totals:	9,717	4,496



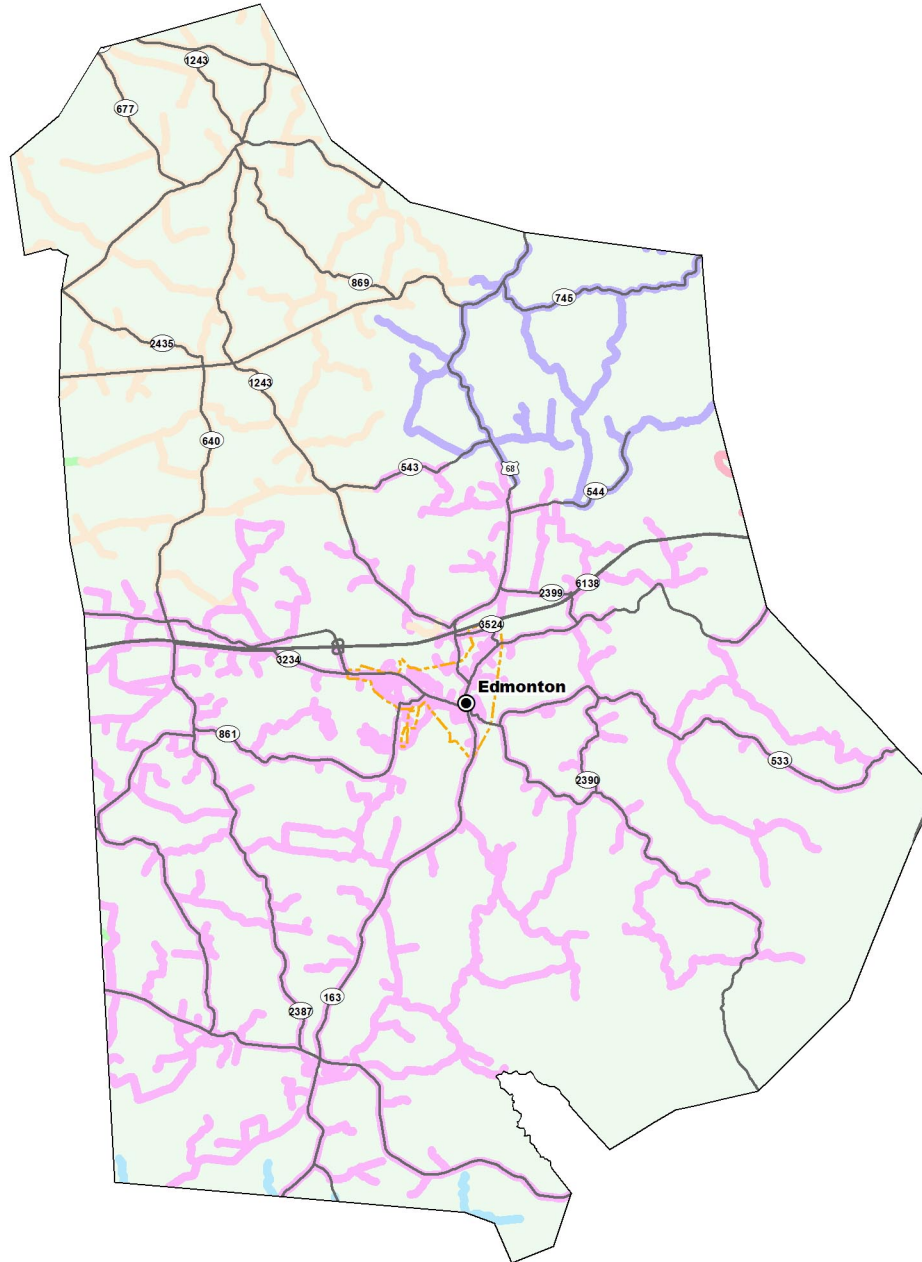
WATER SERVICE AREAS METCALFE COUNTY

Kentucky

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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

Metcalfe County (continued)

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	3,031
Residential Customers	2,783	Total Produced (MG)	-
Commercial Customers	241	Total Purchased (MG)	250.432
Institutional Customers	-	Total Inside Usage (MG)	158.416
Industrial Customers	7	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%
Total Distribution System Line Length = 284.13 miles (Distribution: 284.13 miles, Transmission: 0.00 miles).			

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

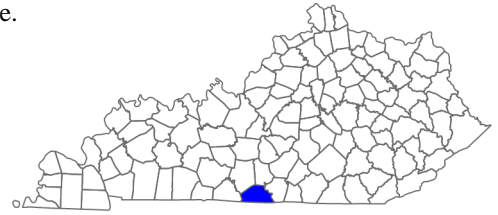
Project Summary (Top 18 Approved, 0-5 years) for Edmonton Water Works

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	2	1
WX21169025	Edmonton - Joe Fields and Lone Star Line Replacement	3-5 Years	Not Funded	\$150,000	Metcalfe	11	2
WX21169031	Metcalfe County Water Main Extension	3-5 Years	Partially Funded	\$235,207	Metcalfe	27	3
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	\$2,000,000	Metcalfe	40	4
WX21169022	Edmonton - A. Smith Rd Extension	3-5 Years	Not Funded	\$32,000	Metcalfe	47	5
WX21171045	Monroe County Water District - Treatment Plant Upgrade Phase 2	3-5 Years	Not Funded	\$13,850,000	Monroe		



Monroe County

- 2010 census population of 10,963 (5,204 households) with 97% serviceable.
- Projected 2020 population of 10,405 (change of -558).
- Monroe County has 519.13 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.
- 21.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$36,893,000.
- 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 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,157 serviceable households will be added through the construction of 12.00 miles of water line extensions and approximately 18,297 instances of improved service through the rehabilitation of 21.00 miles of existing water lines and other appurtenances. 21.00 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 Tompkinsville	4	\$4,250,000	-	253	-	3.00	-
Fountain Run Water District #1	5	\$618,000	-	2,432	-	2.00	-
Monroe County Water District	8	\$33,145,200	1,157	15,612	12.00	16.00	21.00
Totals:	17	\$38,013,200	1,157	18,297	12.00	21.00	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	524	295
KY0860150	Monroe County Water District	Monroe	7,838	3,636
KY0860426	Tompkinsville Water Works	Monroe	2,249	1,126
Totals:			10,611	5,057



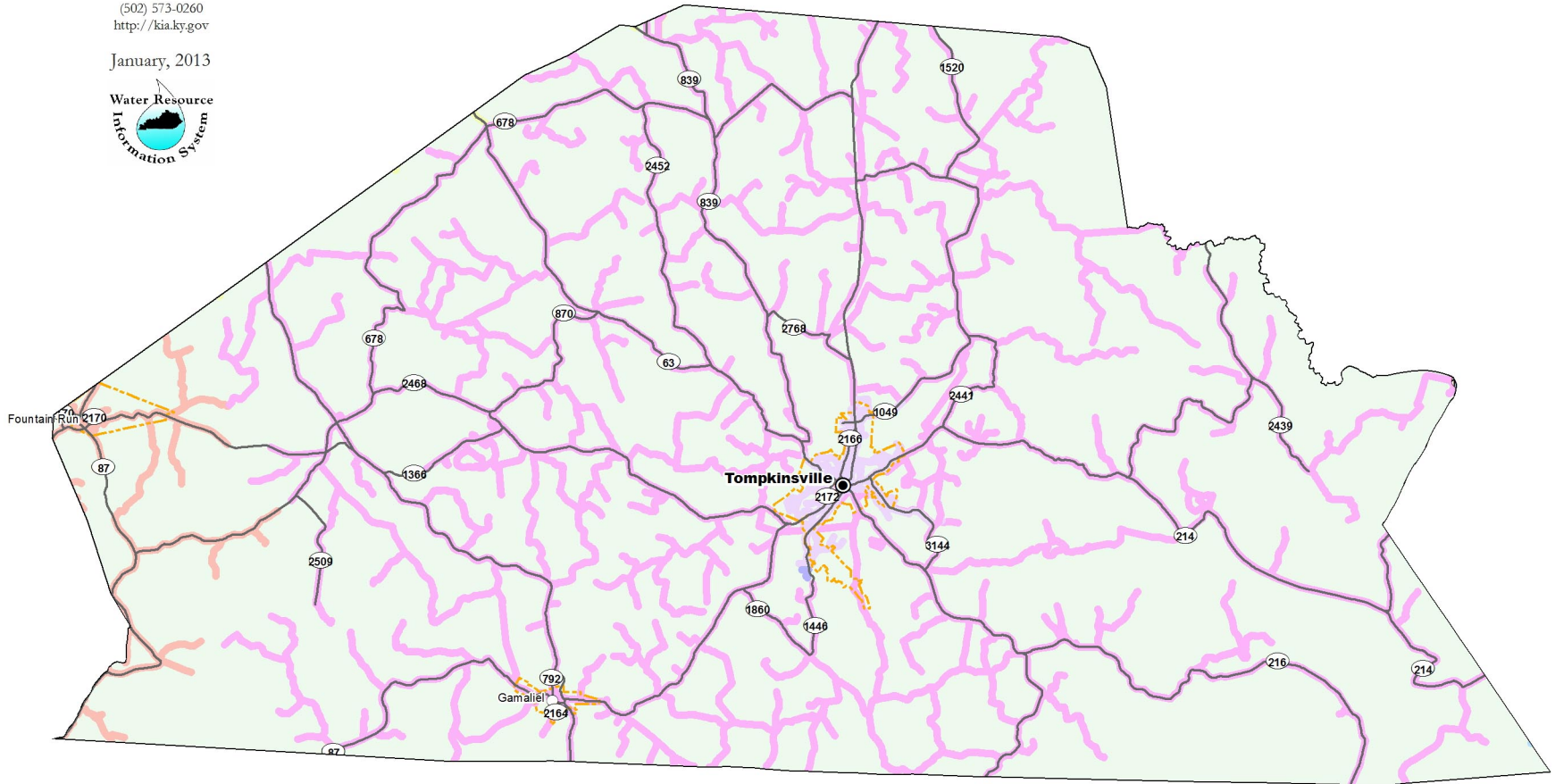
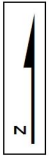
WATER SERVICE AREAS MONROE COUNTY

Kentucky






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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

Monroe County (continued)

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	558
Residential Customers	485	Total Produced (MG)	-
Commercial Customers	73	Total Purchased (MG)	43.309
Institutional Customers	-	Total Inside Usage (MG)	45.110
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-4%
Total Distribution System Line Length = 57.36 miles (Distribution: 57.36 miles, Transmission: 0.00 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	28	3
WX21171045	Monroe County Water District - Treatment Plant Upgrade Phase 2	3-5 Years	Not Funded	\$13,850,000	Monroe		
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		



Monroe County (continued)

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	\$30.95 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	3,417
Residential Customers	3,308	Total Produced (MG)	268.000
Commercial Customers	109	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	56%
Total Distribution System Line Length = 474.43 miles (Distribution: 461.50 miles, Transmission: 12.93 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
WX21171027	Monroe County Water District - Treatment Plant Upgrade	3-5 Years	Partially Funded	\$16,600,000	Monroe	1	1
WX21171039	Monroe County Water District Improvements - Water Storage Tanks	3-5 Years	Not Funded	\$200,000	Monroe	39	4
WX21171045	Monroe County Water District - Treatment Plant Upgrade Phase 2	3-5 Years	Not Funded	\$13,850,000	Monroe		
WX21171011	Monroe County Water Improvement - Water Line Upgrades	6-10 Years	Not Funded	\$625,200	Monroe		
WX21171008	Monroe County Water District Improvement - Tooley Ridge Tank Replacement	3-5 Years	Not Funded	\$600,000	Monroe		
WX21171029	Monroe County Water District Improvements - GPS Mapping System	3-5 Years	Not Funded	\$150,000	Monroe		
WX21171024	Monroe County Water District Improvements - Old Mulkey Pump Station	3-5 Years	Not Funded	\$40,000	Monroe		

Monroe County (continued)

System Summary for Tompkinsville Water Works

PWSID	KY0860426	Treats Water	No
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	1,142
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 = 30.38 miles (Distribution: 28.08 miles, Transmission: 2.30 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	17	2
WX21171020	Tompkinsville - Beldon Water Tank Painting	3-5 Years	Not Funded	\$100,000	Monroe	42	5
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		



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 375.64 miles of existing water lines.
- 9.00 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: \$8,000,445.
- There are no projects planned from 6 to 10 years.



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 50 serviceable households will be added through the construction of 9.00 miles of water line extensions and approximately 114,829 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)
			Unservd	Underservd			
Bath County Water District	1	\$200,000	-	-	-	-	-
City of Jeffersonville	13	\$1,767,000	30	8,364	6.00	7.00	-
Judy Water Association Inc	2	\$250,000	-	2,865	-	-	-
Levee Road Water Association Inc	8	\$475,445	19	4,540	2.00	-	-
Montgomery County Water District #1	9	\$1,040,000	-	4,890	-	2.00	-
Mount Sterling Water and Sewer	16	\$3,928,000	1	90,786	1.00	3.00	-
Reid Village Water District	3	\$340,000	-	3,384	-	-	-
Totals:	52	\$8,000,445	50	114,829	9.00	12.00	-

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	Jeffersonville Water System	Montgomery	4,612	2,005
KY0870147	Judy Water Association	Montgomery	2,433	1,012
KY0870246	Levee Road Water Association, Inc	Montgomery	2,136	906
KY0870290	Montgomery County Water District #1	Montgomery	1,805	753
KY0870298	Mount Sterling Water and Sewer System	Montgomery	12,035	5,534
KY0870367	Reid Village Water District	Montgomery	2,422	1,034
KY0060022	Bath County Water District	Bath	930	399
		Totals:	26,373	11,643



WATER SERVICE AREAS MONTGOMERY COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

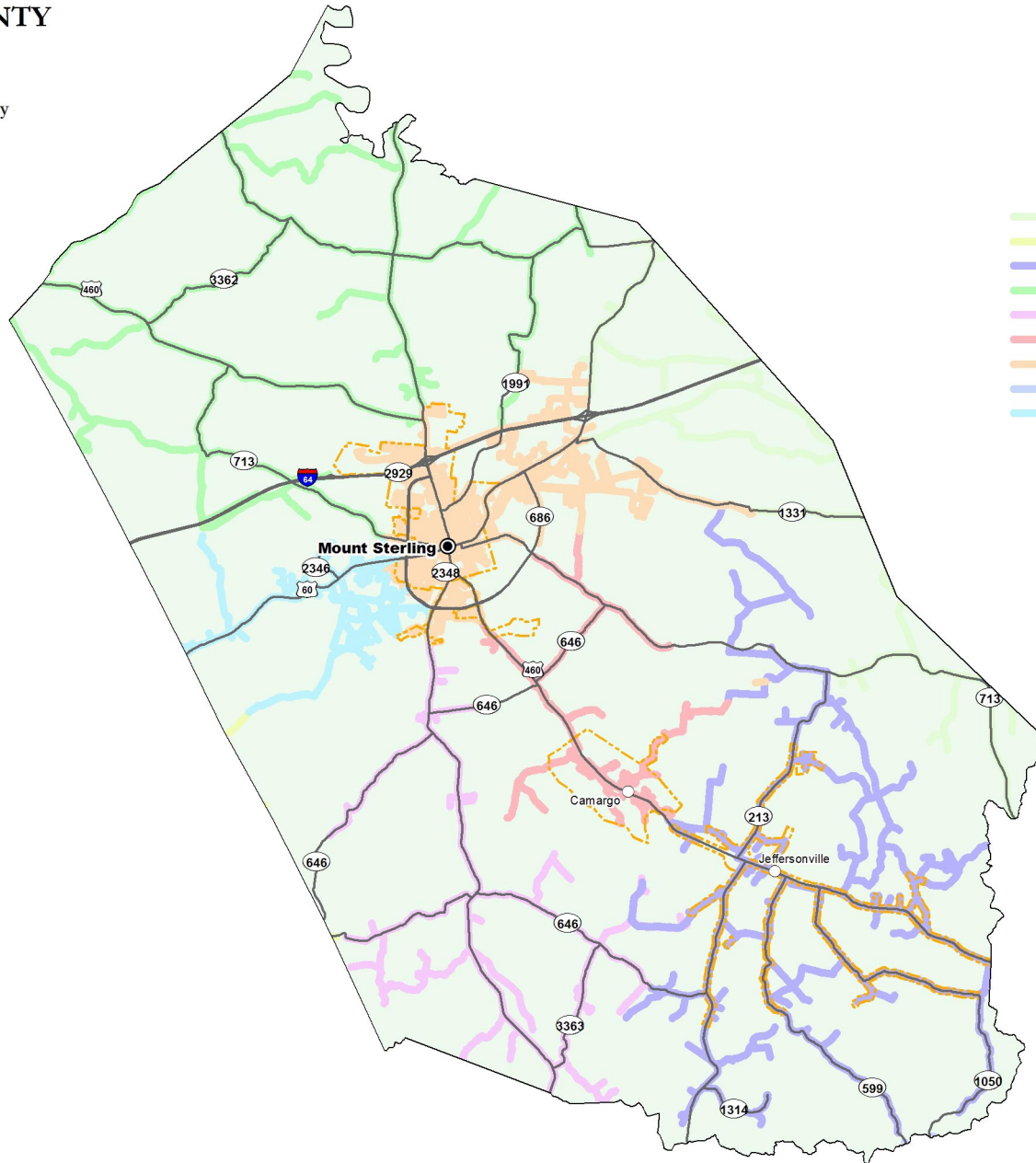
Kentucky Infrastructure Authority
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January, 2013



WATER SERVICE BY OWNER

- BATH COUNTY WATER DISTRICT
- EAST CLARK COUNTY WATER DISTRICT
- JEFFERSONVILLE WATER SYSTEM
- JUDY WATER ASSOCIATION
- LEVEE ROAD WATER ASSOCIATION, INC
- MONTGOMERY COUNTY WATER DISTRICT #1
- MOUNT STERLING WATER & SEWER SYSTEM
- POWELLS VALLEY WATER DISTRICT
- REID VILLAGE WATER DISTRICT



Montgomery County (continued)

System Summary for Jeffersonville Water System

PWSID	KY0870212	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	4	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	1,777
Residential Customers	1,727	Total Produced (MG)	-
Commercial Customers	48	Total Purchased (MG)	121.777
Institutional Customers	-	Total Inside Usage (MG)	104.500
Industrial Customers	2	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 83.24 miles (Distribution: 80.12 miles, Transmission: 3.12 miles).			

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

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

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	2	2
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21165023	Cave Run Water Commission Water Pump Rehab Project	3-5 Years	Not Funded	\$150,000	Menifee	7	1
WX21173059	City of Jeffersonville Highway 599 Water Tank Rehab Project	3-5 Years	Not Funded	\$99,000	Montgomery	20	10
WX21173112	City of Jeffersonville Radio Read Meter Project	3-5 Years	Not Funded	\$400,000	Montgomery	27	13
WX21173125	City of Jeffersonville Welch Road Project - Phase II	3-5 Years	Not Funded	\$250,000	Montgomery	29	14
WX21173048	City of Jeffersonville Highway 1050 Line Replacement Project	3-5 Years	Not Funded	\$300,000	Montgomery	34	17
WX21173050	City of Jeffersonville New Cut Rd Line Replacement Project	3-5 Years	Not Funded	\$50,000	Montgomery	47	25
WX21173126	City of Jeffersonville Lower Spruce Tie In Project	3-5 Years	Not Funded	\$120,000	Montgomery	48	26
WX21173116	City of Jeffersonville Fay Street Tie In Project	3-5 Years	Not Funded	\$15,000	Montgomery	53	29
WX21173114	City of Jeffersonville Harpers Ridge Waterline Tie-In Project	3-5 Years	Not Funded	\$100,000	Montgomery	54	30
WX21173113	City of Jeffersonville Spruce Valley Waterline Tie In Project	3-5 Years	Not Funded	\$80,000	Montgomery	55	31
WX21173051	City of Jeffersonville Corey Lane Improvement Project	3-5 Years	Not Funded	\$18,000	Montgomery	57	32
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	\$25,000	Menifee	61	4
WX21173117	City of Jeffersonville Equipment Project	3-5 Years	Not Funded	\$10,000	Montgomery	65	36
WX21173115	City of Jeffersonville Utility Truck Project	3-5 Years	Not Funded	\$50,000	Montgomery	69	40
WX21173049	City of Jeffersonville Highway 213 Line Replacement Project	3-5 Years	Not Funded	\$275,000	Montgomery	75	44
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47



Montgomery County (continued)

System Summary for Judy Water Association

PWSID	KY0870147	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	\$37.13 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	1,874
Residential Customers	1,848	Total Produced (MG)	-
Commercial Customers	16	Total Purchased (MG)	149.608
Institutional Customers	-	Total Inside Usage (MG)	137.500
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	8%
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
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	\$75,000	Montgomery	2	2
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21173121	Judy Water Association Water Tank Inspection Project	3-5 Years	Not Funded	\$50,000	Montgomery	17	8
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	\$200,000	Montgomery	33	16
WX21173088	Judy Water Association Bourbon County Line Upgrade Project	3-5 Years	Not Funded	\$300,000	Montgomery	73	43
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47



Montgomery County (continued)

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	866
Residential Customers	837	Total Produced (MG)	-
Commercial Customers	29	Total Purchased (MG)	49.893
Institutional Customers	-	Total Inside Usage (MG)	45.935
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 39.61 miles (Distribution: 38.61 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
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	\$75,000	Montgomery	2	2
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21173090	Levee Road Water Association Gate Valve Project	3-5 Years	Not Funded	\$50,000	Montgomery	18	9
WX21173107	Levee Road Water Association Phase III Meter Replacement Project	3-5 Years	Not Funded	\$100,000	Montgomery	23	12
WX21173047	Levee Road Water Association Countryside Drive Waterline Extension	3-5 Years	Not Funded	\$246,045	Montgomery	31	15
WX21173136	Levee Road Water Association Radio Read Meter Replacement Project	3-5 Years	Not Funded	\$2,400	Montgomery	52	28
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	\$3,500	Montgomery	62	33
WX21173091	Levee Road Water Association Line Detector Equipment Project	3-5 Years	Not Funded	\$3,500	Montgomery	63	34
WX21173138	Levee Road Water Association Fence Replacement Project	3-5 Years	Not Funded	\$10,000	Montgomery	66	37
WX21173108	Levee Road Water Association New Computer System & Training Project	3-5 Years	Not Funded	\$60,000	Montgomery	72	42
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47



Montgomery County (continued)

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	4	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$35.49 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	715
Residential Customers	678	Total Produced (MG)	-
Commercial Customers	36	Total Purchased (MG)	41.626
Institutional Customers	-	Total Inside Usage (MG)	33.250
Industrial Customers	-	Total Wholesale Sold (MG)	2.157
Wholesale Customers	1	Estimated Pct. Water Loss	15%
Total Distribution System Line Length = 25.59 miles (Distribution: 23.77 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
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	\$75,000	Montgomery	2	2
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21173102	Montgomery County Water District No. 1 Automatic Flush Valve Project	3-5 Years	Not Funded	\$15,000	Montgomery	16	7
WX21173133	Montgomery County Water District #1 US 460 Vault Valve Replacement	3-5 Years	Not Funded	\$60,000	Montgomery	21	11
WX21173110	Montgomery County Water District #1 Fire Hydrant Improvement Project	3-5 Years	Not Funded	\$70,000	Montgomery	37	19
WX21173044	Montgomery County Water District #1 Whitaker Lane Vault Valve Replacement	3-5 Years	Not Funded	\$60,000	Montgomery	38	20
WX21173101	Montgomery County Water District No. 1 System Improvement Project	3-5 Years	Not Funded	\$300,000	Montgomery	42	22
WX21173109	Montgomery County Water District #1 Concrete Abestos Pipe Replacement	3-5 Years	Not Funded	\$400,000	Montgomery	50	27
WX21173123	Montgomery County Water District No. 1 Equipment Project	3-5 Years	Not Funded	\$15,000	Montgomery	67	38
WX21173132	Montgomery County Water District #1 Building Project Phase II	3-5 Years	Not Funded	\$15,000	Montgomery	68	39
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47
WX21173124	Montgomery County Water District No. 1 Backhoe & Dump Truck Project	3-5 Years	Not Funded	\$105,000	Montgomery	84	51



Montgomery County (continued)

System Summary for Mount Sterling Water and Sewer System

PWSID	KY0870298	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	34	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 6 purchasers.
Inside Mun. Cost	\$19.40 per 4,000 gallons.	Storage Capacity	Yes, 5 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	\$22.16 per 4,000 gallons.	Total Connections	5,280
Residential Customers	4,658	Total Produced (MG)	949.840
Commercial Customers	578	Total Purchased (MG)	-
Institutional Customers	10	Total Inside Usage (MG)	552.575
Industrial Customers	28	Total Wholesale Sold (MG)	295.529
Wholesale Customers	6	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 108.59 miles (Distribution: 104.73 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 System

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	1	1
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21173058	Mount Sterling Water & Sewer Maysville Road Waterline Replacement Phase II	3-5 Years	Not Funded	\$375,000	Montgomery	11	4
WX21173094	Mt. Sterling Water & Sewer System Automatic Flush Valve Project	3-5 Years	Not Funded	\$35,000	Montgomery	14	5
WX21173066	Mt. Sterling Water & Sewer System Fire Hydrant Project	3-5 Years	Not Funded	\$168,000	Montgomery	36	18
WX21173095	Mt. Sterling Water & Sewer System Valve Replacement Project	3-5 Years	Not Funded	\$150,000	Montgomery	40	21
WX21173008	Mt. Sterling Water & Sewer Spencer Road Water Main Extension	3-5 Years	Not Funded	\$250,000	Montgomery	43	23
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	\$800,000	Montgomery	46	24
WX21173057	Mount Sterling Water and Sewer Leak Correlator/Listening Device	3-5 Years	Not Funded	\$29,000	Montgomery	64	35
WX21173065	Mt. Sterling Water & Sewer System South Queen Project	3-5 Years	Not Funded	\$326,000	Montgomery	78	45
WX21173111	Mount Sterling Water and Sewer Waterline Rehab Projects - Various Sites	3-5 Years	Not Funded	\$600,000	Montgomery	79	46
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47
WX21173128	Mt. Sterling Water & Sewer System Equipment Project	3-5 Years	Not Funded	\$175,000	Montgomery	81	48
WX21173135	Mount Sterling Water and Sewer Storage Tank Demolition and Maintenance	3-5 Years	Not Funded	\$225,000	Montgomery	82	49
WX21173096	Mt Sterling Water & Sewer System GIS Project	3-5 Years	Not Funded	\$225,000	Montgomery	83	50



Montgomery County (continued)

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	\$30.11 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	1,128
Residential Customers	1,093	Total Produced (MG)	-
Commercial Customers	35	Total Purchased (MG)	64.625
Institutional Customers	-	Total Inside Usage (MG)	58.421
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 29.60 miles (Distribution: 29.45 miles, Transmission: 0.15 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
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	\$75,000	Montgomery	2	2
WX21173055	Mount Sterling Water and Sewer Greenbrier Reservoir Dam Repair	3-5 Years	Not Funded	\$350,000	Montgomery	4	3
WX21173052	Reid Village Water District Automatic Flush Valve Project	3-5 Years	Not Funded	\$15,000	Montgomery	15	6
WX21173120	Reid Village Water District Maintenance Building Project	3-5 Years	Not Funded	\$50,000	Montgomery	71	41
WX21173054	Mount Sterling Water and Sewer Storage Building Project	3-5 Years	Not Funded	\$120,000	Montgomery	80	47
WX21173139	Reid Village Water District Office Building Purchase Project	3-5 Years	Not Funded	\$275,000	Montgomery	85	52



Morgan County

- 2010 census population of 13,923 (5,830 households) with 81% serviceable.
- Projected 2020 population of 14,023 (change of 100).
- Morgan County has 361.89 miles of existing water lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- 1.00 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: \$2,447,000.
- 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 81 percent of the county's households based on 2010 census counts. Over the next ten years approximately 60 serviceable households will be added through the construction of 8.00 miles of water line extensions and approximately 5,887 instances of improved service through the rehabilitation of 1.00 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)
			Unserviced	Underserved			
City of West Liberty	4	\$467,000	-	893	-	1.00	-
Morgan County Water District	3	\$1,980,000	60	4,994	8.00	-	3.00
Totals:	7	\$2,447,000	60	5,887	8.00	1.00	3.00

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
KY0880594	Morgan County Water District	Morgan	7,483	3,446
KY0880452	West Liberty Water Works	Morgan	3,411	887
KY0220555	Rattlesnake Ridge Water District	Carter	98	45
KY0320383	Sandy Hook Water District	Elliott	277	150
KY0830148	Frenchburg Water and Sewer	Menifee	89	77
KY1030375	Rowan Water, Inc	Rowan	226	103
		Totals:	11,584	4,708



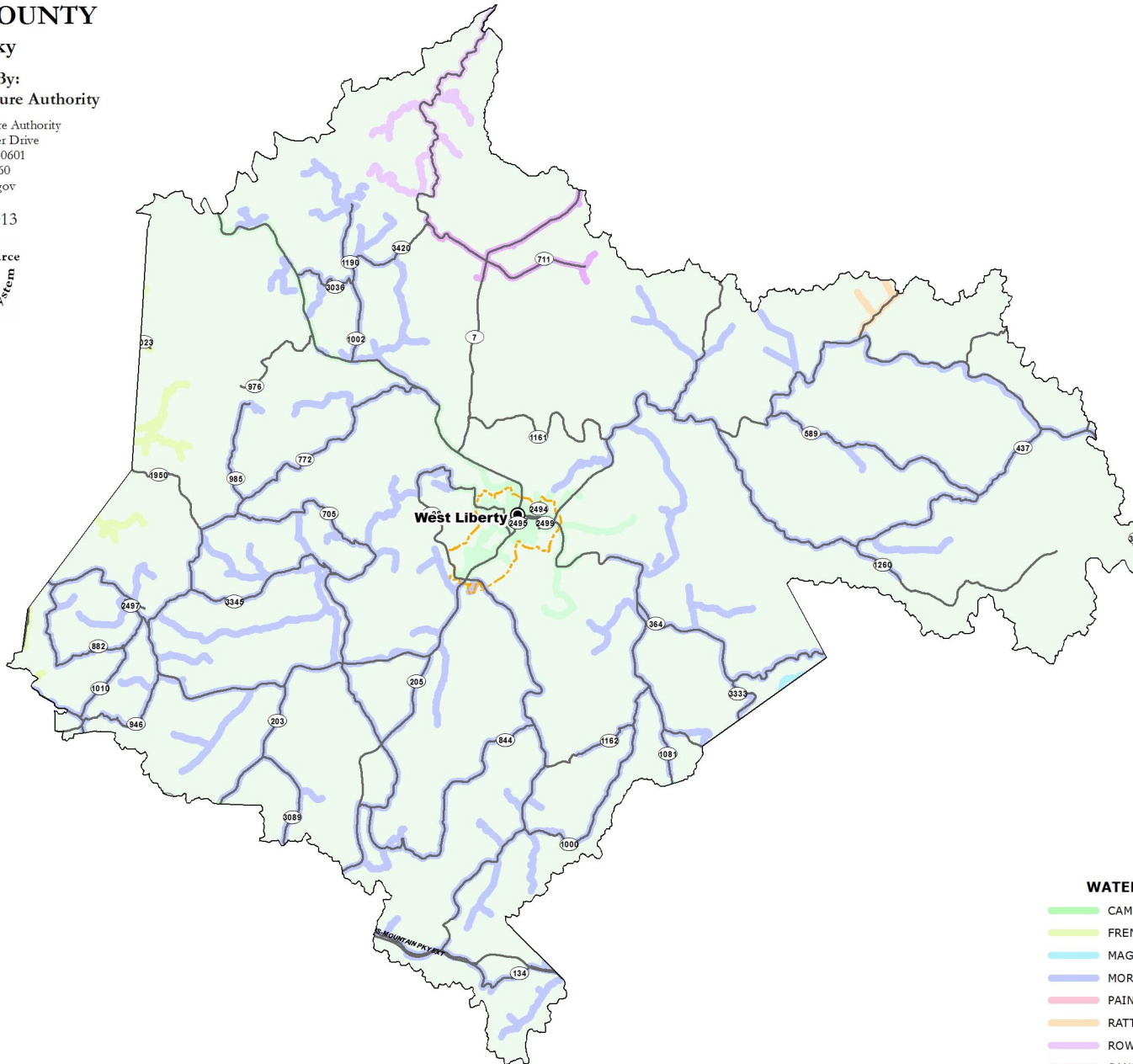
WATER SERVICE AREAS MORGAN COUNTY

Kentucky

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Kentucky Infrastructure Authority

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January, 2013



WATER SERVICE BY OWNER

- CAMPTON WATER SYSTEM
- FRENCHBURG WATER & SEWER
- MAGOFFIN COUNTY WATER DISTRICT
- MORGAN COUNTY WATER DISTRICT
- PAINTSVILLE UTILITY COMMISSION
- RATTLESNAKE RIDGE WATER DISTRICT
- ROWAN WATER, INC
- SANDY HOOK WATER DISTRICT
- WEST LIBERTY WATER WORKS

Morgan County (continued)

System Summary for Morgan County Water District

PWSID	KY0880594	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	7	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	\$35.83 per 4,000 gallons.	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	2,497
Residential Customers	2,396	Total Produced (MG)	-
Commercial Customers	99	Total Purchased (MG)	167.290
Institutional Customers	-	Total Inside Usage (MG)	108.886
Industrial Customers	-	Total Wholesale Sold (MG)	0.003
Wholesale Customers	2	Estimated Pct. Water Loss	35%
Total Distribution System Line Length = 276.36 miles (Distribution: 270.92 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
WX21165023	Cave Run Water Commission Water Pump Rehab Project	3-5 Years	Not Funded	\$150,000	Menifee	7	1
WX21175013	Morgan County District Water Tank Rehab Project	3-5 Years	Not Funded	\$200,000	Morgan	26	2
WX21165010	Cave Run Water Commission Storage Building Project	3-5 Years	Not Funded	\$25,000	Menifee	61	4
WX21175020	Morgan County Water District Equipment Project	3-5 Years	Not Funded	\$100,000	Morgan	70	5
WX21175035	Morgan County Water District Phase 14 Waterline Extension Project	0-2 Years	Not Funded	\$1,680,000	Morgan		

Morgan County (continued)

System Summary for West Liberty Water Works

PWSID	KY0880452	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	8	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	\$34.49 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$57.84 per 4,000 gallons.	Total Connections	760
Residential Customers	609	Total Produced (MG)	346.750
Commercial Customers	116	Total Purchased (MG)	-
Institutional Customers	31	Total Inside Usage (MG)	211.050
Industrial Customers	3	Total Wholesale Sold (MG)	100.500
Wholesale Customers	1	Estimated Pct. Water Loss	10%
Total Distribution System Line Length = 50.08 miles (Distribution: 30.00 miles, Transmission: 20.08 miles).			

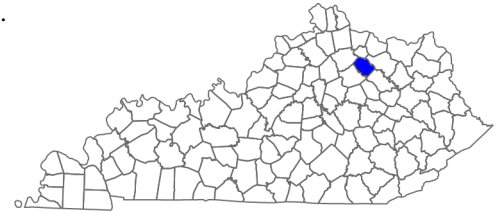
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	\$50,000	Morgan	19	1
WX21175009	City of West Liberty McClain Way Increase Pressure Project	3-5 Years	Not Funded	\$75,000	Morgan	58	3
WX21175021	City of West Liberty Davis Lane Waterline Replacement Project	3-5 Years	Not Funded	\$42,000	Morgan	59	4
WX21175030	City of West Liberty Broadway, Main, and Prestonburg Streets Line Replacement Project	3-5 Years	Not Funded	\$300,000	Morgan	74	6

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 283.18 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.
- 6.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,722,150.
- There are no projects planned from 6 to 10 years.



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 2,805 instances of improved service through system wide upgrades. 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	3	\$8,202,000	-	2,805	-	-	6.00
Sharpsburg Water District	1	\$350,000	-	-	-	-	-
Western Fleming County Water District	1	\$170,150	-	-	-	-	-
Totals:	5	\$8,722,150	-	2,805	-	-	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	2,045	1,059
KY0910314	Nicholas County Water District	Nicholas	3,416	1,483
KY0060392	Sharpsburg Water District	Bath	1,263	541
KY0910675	Western Fleming Water District	Fleming	37	20
KY0490179	Harrison County Water Association	Harrison	82	39
Totals:			6,843	3,142



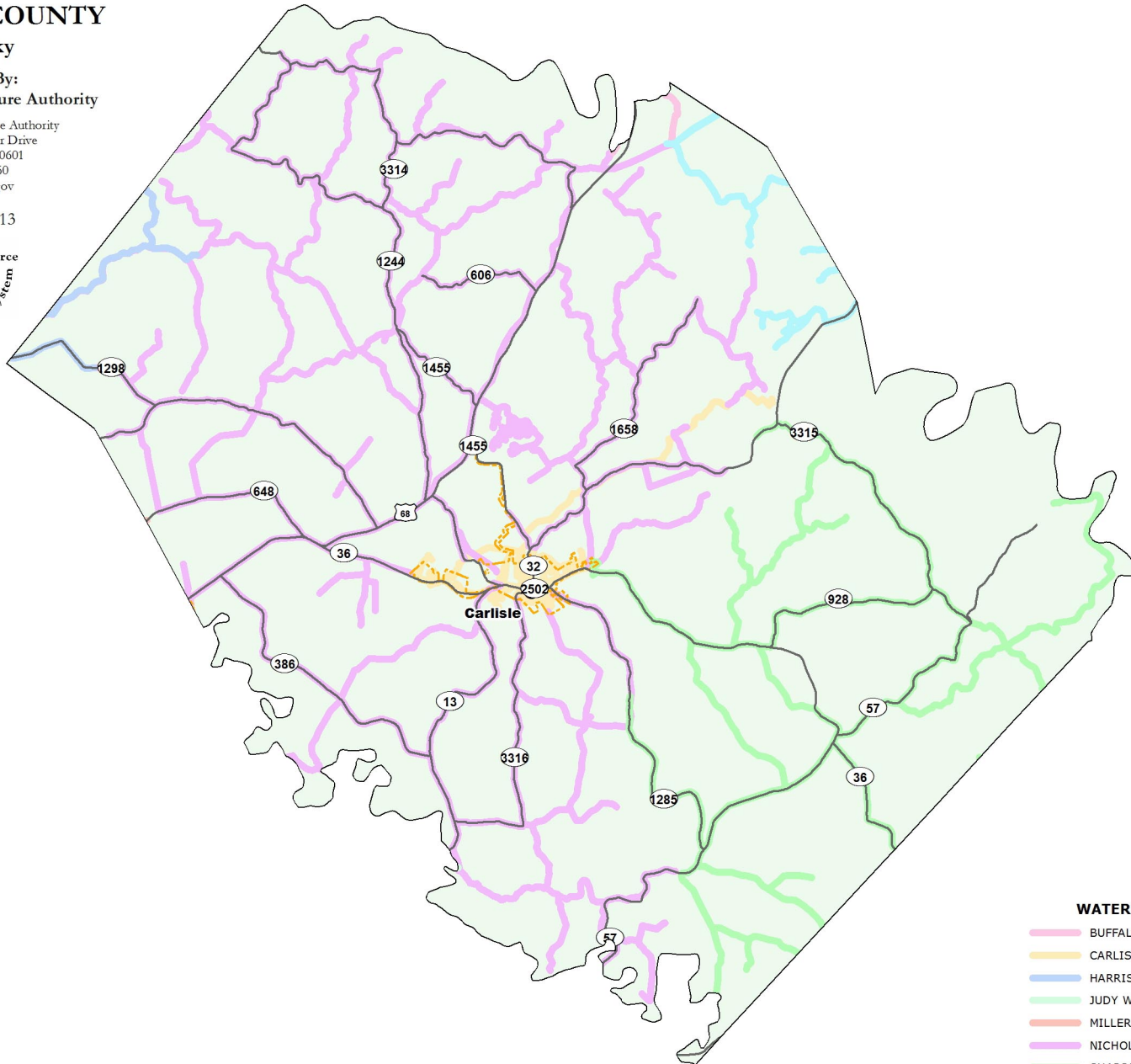
WATER SERVICE AREAS NICHOLAS COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

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January, 2013



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

Nicholas County (continued)

System Summary for Carlisle Water Department

PWSID	KY0910065	Treats Water	No
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	\$28.90 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)	59.463
Wholesale Customers	2	Estimated Pct. Water Loss	53%
Total Distribution System Line Length = 27.88 miles (Distribution: 17.29 miles, Transmission: 10.59 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	3-5 Years	Not Funded	\$4,447,000	Nicholas		
WX21181004	City of Carlisle Raw Water Intake Improvements	3-5 Years	Not Funded	\$3,000,000	Nicholas		
WX21181006	Phase 2 - Drinking Water System Improvements	3-5 Years	Not Funded	\$755,000	Nicholas		

Nicholas County (continued)

System Summary for Nicholas County Water District

PWSID	KY0910314	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	2	Wholesale Purchaser	Yes, from 4 providers.
Non-Municipal Cost	\$31.78 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)	125.874
Institutional Customers	-	Total Inside Usage (MG)	68.624
Industrial Customers	-	Total Wholesale Sold (MG)	27.683
Wholesale Customers	1	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 186.95 miles (Distribution: 186.95 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Nicholas County Water District

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 235.84 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 6.00 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: \$9,798,960.
- 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 6,537 instances of improved service through the rehabilitation of 6.00 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	8	\$9,798,960	10	6,537	3.00	6.00	1.00
Totals:	8	\$9,798,960	10	6,537	3.00	6.00	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	4,508	2,202
Totals:			4,508	2,202



WATER SERVICE AREAS OWSLEY COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- BOONEVILLE WATER AND SEWER
- CAMPTON WATER SYSTEM
- JACKSON COUNTY WATER ASSOCIATION INC
- MANCHESTER WATER WORKS

Owsley County (continued)

System Summary for Booneville Water and Sewer

PWSID	KY0950036	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	\$32.31 per 4,000 gallons.	Storage Capacity	Yes, 14 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$34.31 per 4,000 gallons.	Total Connections	1,850
Residential Customers	1,850	Total Produced (MG)	139.295
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	100.715
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	28%
Total Distribution System Line Length = 246.40 miles (Distribution: 245.72 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
WX21189002	Booneville - Highway 11 Water Main Replacement	0-2 Years	Partially Funded	\$664,000	Owsley	6	1
WX21189003	Booneville Water Treatment Plant	3-5 Years	Not Funded	\$6,379,900	Owsley	11	2
WX21189005	Booneville Water Line Extensions - 2010	3-5 Years	Not Funded	\$252,000	Owsley		3
WX21189500	Booneville Radio Read Meter Project	3-5 Years	Not Funded	\$498,500	Owsley		4
WX21189509	Booneville Highway 11/Wolfe Creek Loop	3-5 Years	Not Funded	\$204,200	Owsley		5
WX21189004	Saul Area Water Line Extensions	3-5 Years	Not Funded	\$417,800	Perry		6
WX21189501	Booneville Water Treatment Plant Improvements	3-5 Years	Not Funded	\$1,104,000	Owsley		
WX21189502	Booneville Raw Water Intake Project	3-5 Years	Not Funded	\$584,760	Owsley		
WX21189506	Booneville Pump Station Upgrade	3-5 Years	Not Funded	\$111,600	Owsley		



Perry County

- 2010 census population of 28,712 (12,791 households) with 88% serviceable.
- Projected 2020 population of 28,137 (change of -575).
- Perry County has 429.52 miles of existing water lines.
- 48.00 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: \$21,831,089.
- 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 88 percent of the county's households based on 2010 census counts. Over the next ten years approximately 973 serviceable households will be added through the construction of 48.00 miles of water line extensions and approximately 9,172 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)
			Unserviced	Underserved			
Breathitt County Water District	1	\$1,220,000	-	-	1.00	-	-
City of Booneville	1	\$417,800	50	-	4.00	-	-
City of Buckhorn	2	\$4,049,716	-	328	-	6.00	-
City of Hazard	2	\$4,923,950	-	8,781	1.00	1.00	-
City of Vicco	2	\$1,638,000	195	-	2.00	-	-
Knott County Water & Sewer District	1	\$2,000,000	-	-	3.00	-	-
Perry County Fiscal Court	4	\$7,581,623	728	63	37.00	2.00	-
Totals:	13	\$21,831,089	973	9,172	48.00	9.00	-

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	21,896	9,749
KY0970484	Vicco Water Supply	Perry	2,347	1,018
KY0971007	Village of Buckhorn	Perry	793	342
KY0600062	Knott Co Water & Sewer District	Knott	112	46
KY0600129	Phoenix Place Water System	Knott	88	34
KY0950036	Booneville Water and Sewer	Owsley	129	70
		Totals:	25,365	11,259



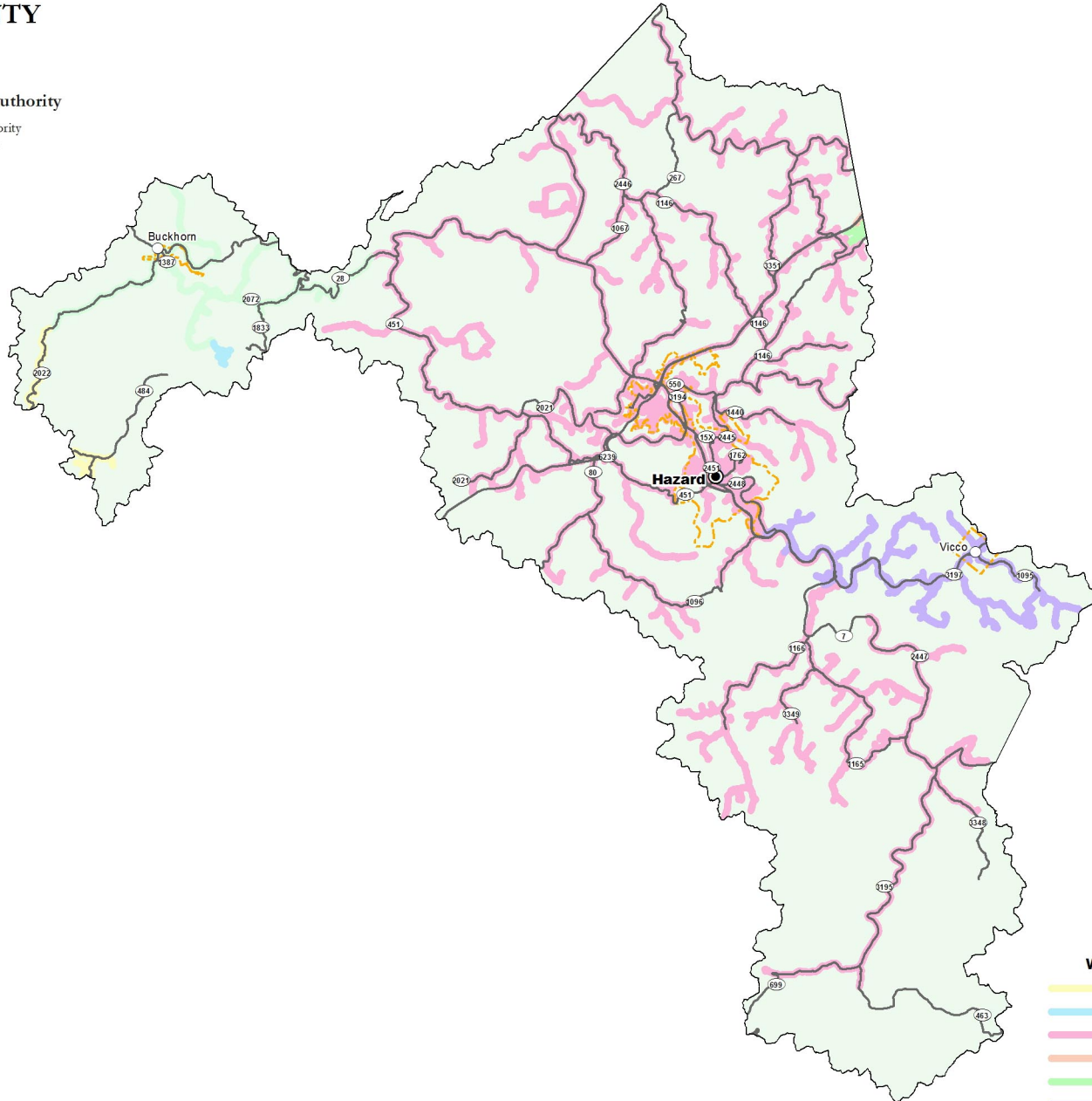
WATER SERVICE AREAS PERRY COUNTY

Kentucky

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- WATER SERVICE BY OWNER**
- BOONEVILLE WATER AND SEWER
 - BUCKHORN LAKE STATE RESORT PARK
 - HAZARD WATER DEPARTMENT
 - KNOTT CO WATER & SEWER DISTRICT
 - PHOENIX PLACE WATER SYSTEM
 - VICCO WATER SUPPLY
 - VILLAGE OF BUCKHORN

Perry County (continued)

System Summary for Hazard Water Department

PWSID	KY0970184	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	19	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	\$16.68 per 4,000 gallons.	Storage Capacity	Yes, 23 tanks with total capacity of 10,000 MG.
Outside Mun. Cost	\$25.58 per 4,000 gallons.	Total Connections	8,533
Residential Customers	8,069	Total Produced (MG)	1,371.891
Commercial Customers	455	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	663.600
Industrial Customers	5	Total Wholesale Sold (MG)	33.712
Wholesale Customers	2	Estimated Pct. Water Loss	49%
Total Distribution System Line Length = 352.87 miles (Distribution: 349.24 miles, Transmission: 3.63 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
WX21133024	Hazard-Letcher County Water Interconnection Project	0-2 Years	Not Funded	\$625,000	Letcher	5	1
WX21193018	Fort Branch Water Line Extension Project	0-2 Years	Not Funded	\$977,829	Perry	7	1
WX21193196	Hazard - Master Meter Program And System Updates Project	3-5 Years	Partially Funded	\$4,543,000	Perry		
WX21193003	Little Leatherwood Area Waterline Extensions Project	0-2 Years	Partially Funded	\$3,704,794	Perry		
WX21193014	Hazard - Fusonia, Cornettsville, Slemo And Middle Fork Water Ext	3-5 Years	Not Funded	\$2,460,000	Perry		
WX21193194	Hazard - Hiner/Bulan Mountain Line Replacement Project	0-2 Years	Partially Funded	\$439,000	Perry		
WX21193027	Hazard - Liberty, Walkertown & Gorman Hollow Housing Water Rehab	3-5 Years	Not Funded	\$380,950	Perry		

Perry County (continued)

System Summary for Vicco Water Supply

PWSID	KY0970484	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	\$37.76 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	971	Total Produced (MG)	-
Commercial Customers	50	Total Purchased (MG)	41.881
Institutional Customers	-	Total Inside Usage (MG)	75.563
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-80%
Total Distribution System Line Length = 49.23 miles (Distribution: 49.14 miles, Transmission: 0.09 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21193209	Vicco-Knott County Interconnect	3-5 Years	Not Funded	\$1,700,000	Perry		
WX21193410	Vicco - George's Branch	3-5 Years	Not Funded	\$1,059,000	Perry		
WX21193052	Vicco - Scuddy Mountain	3-5 Years	Not Funded	\$579,000	Perry		
WX21193542	Vicco - Smithsboro Waterline Extension	3-5 Years	Not Funded	\$75,000	Perry		

Perry County (continued)

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	Yes, to 1 purchaser.
Inside Mun. Cost	\$26.67 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	\$39.96 per 4,000 gallons.	Total Connections	258
Residential Customers	227	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	29.723
Institutional Customers	30	Total Inside Usage (MG)	13.274
Industrial Customers	-	Total Wholesale Sold (MG)	1.250
Wholesale Customers	1	Estimated Pct. Water Loss	51%
Total Distribution System Line Length = 30.27 miles (Distribution: 30.27 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
WX21193007	Buckhorn - Buckhorn Lodge Waterline Extension	3-5 Years	Not Funded	\$2,049,716	Perry	10	2
WX21193197	Buckhorn Water Treatment Plant	3-5 Years	Not Funded	\$2,000,000	Perry		3
WX21025028	Breathitt And Perry County Waterline Interconnection	3-5 Years	Partially Funded	\$1,220,000	Breathitt		16

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 881.91 miles of existing water lines.
- 19.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,281,653.
- Estimated funding needs for projects from 6 to 10 years: \$2,310,000.



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 103 serviceable households will be added through the construction of 19.00 miles of water line extensions and approximately 8,216 instances of improved service through system wide upgrades. 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 Elkhorn City	3	\$1,933,675	2	-	2.00	-	-
City of Pikeville	2	\$1,500,000	-	4,200	6.00	-	-
Mountain Water District	7	\$7,011,000	101	4,016	11.00	-	2.00
Prestonsburg City's Utilities Commission	1	\$146,978	-	-	-	-	-
Totals:	13	\$10,591,653	103	8,216	19.00	-	2.00

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
KY0980120	Elkhorn City Water Department	Pike	1,434	723
KY0980575	Mountain Water District	Pike	48,155	22,476
KY0980350	Pikeville Water Department	Pike	9,089	4,156
KY0360358	Prestonsburg City's Utilities Commission	Floyd	120	50
KY0360026	Southern Water & Sewer District	Floyd	237	102
KY0670213	Jenkins Water System	Letcher	183	85
		Totals:	59,218	27,592



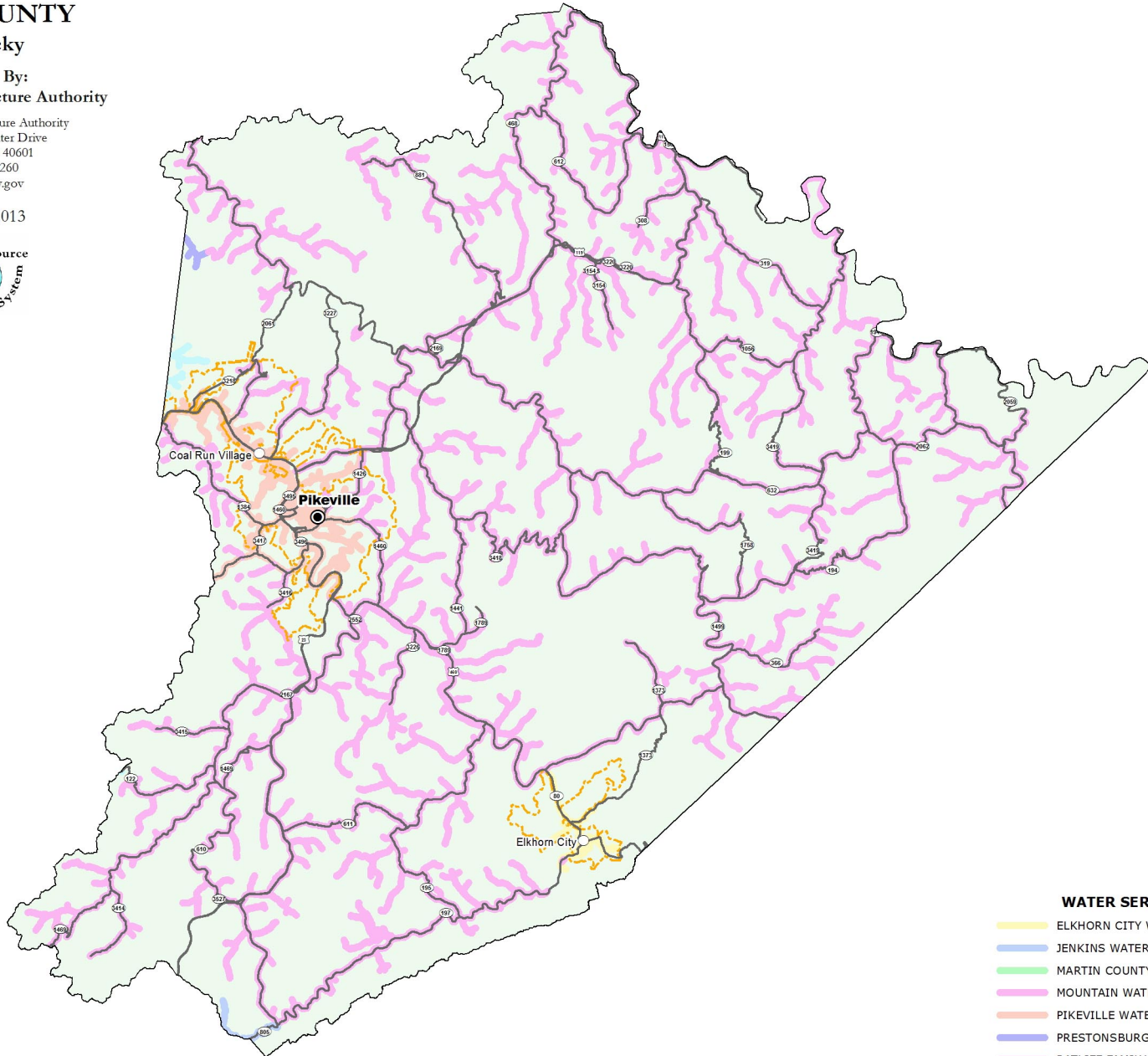
WATER SERVICE AREAS PIKE COUNTY

Kentucky

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WATER SERVICE BY OWNER

- ELKHORN CITY WATER DEPARTMENT
- JENKINS WATER SYSTEM
- MARTIN COUNTY WATER DISTRICT
- MOUNTAIN WATER DISTRICT
- PIKEVILLE WATER DEPARTMENT
- PRESTONSBURG CITY'S UTILITIES COMMISSION
- RATLIFF FAMILY ENTERPRISES
- SOUTHERN WATER & SEWER DISTRICT

Pike County (continued)

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	3	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	-	Total Connections	576
Residential Customers	520	Total Produced (MG)	-
Commercial Customers	40	Total Purchased (MG)	6.000
Institutional Customers	-	Total Inside Usage (MG)	5.800
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 20.10 miles (Distribution: 20.10 miles, Transmission: 0.00 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
WX21195019	Elkhorn City Waterline Improvements	3-5 Years	Not Funded	\$256,500	Pike	7	2
WX21195007	City of Elkhorn City Federal Branch Water Line Extension	0-2 Years	Not Funded	\$1,072,175	Pike		
WX21195009	City of Elkhorn City - Water Improvements - Radio Read Meters	3-5 Years	Not Funded	\$605,000	Pike		



Pike County (continued)

System Summary for Mountain Water District

PWSID	KY0980575	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	56	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	\$34.04 per 4,000 gallons.	Wholesale Provider	Yes, to 4 purchasers.
Inside Mun. Cost	-	Storage Capacity	Yes, 101 tanks with total capacity of 7.000 MG.
Outside Mun. Cost	-	Total Connections	17,800
Residential Customers	16,163	Total Produced (MG)	872.618
Commercial Customers	1,633	Total Purchased (MG)	660.000
Institutional Customers	-	Total Inside Usage (MG)	1,477.280
Industrial Customers	-	Total Wholesale Sold (MG)	6.000
Wholesale Customers	4	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 760.74 miles (Distribution: 759.23 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
WX21195023	MWD - Ridgeline Road Section 3 Upper Pompey	0-2 Years	Not Funded	\$1,935,000	Pike	2	1
WX21195738	MWD - Scott Fork Phase 1	6-10 Years	Not Funded	\$1,510,000	Pike		
WX21195018	Johns Creek Rail Road and Deskins/Kimper Pump Station Relocation Project	0-2 Years	Not Funded	\$1,191,000	Pike		
WX21195740	MWD-Variou s Waterline Extensions	6-10 Years	Not Funded	\$800,000	Pike		
WX21195017	MWD-System Wide Tank Rehabilitation	0-2 Years	Not Funded	\$750,000	Pike		
WX21195025	2nd Magisterial District Water Line Extensions	0-2 Years	Not Funded	\$500,000	Pike		
WX21195021	MWD County-Wide Water System Improvements/Rehab	0-2 Years	Not Funded	\$325,000	Pike		

Pike County (continued)

System Summary for Pikeville Water Department

PWSID	KY0980350	Treats Water	No
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	\$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	14,700
Residential Customers	3,970	Total Produced (MG)	1,200,000
Commercial Customers	653	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	390,000
Industrial Customers	-	Total Wholesale Sold (MG)	420,000
Wholesale Customers	2	Estimated Pct. Water Loss	32%
Total Distribution System Line Length = 97.51 miles (Distribution: 95.37 miles, Transmission: 2.14 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21195114	Pikeville - Marion Branch Water Project	0-2 Years	Not Funded	\$1,000,000	Pike	11	4
WX21195024	City of Pikeville By-pass Waterline Extension	0-2 Years	Not Funded	\$500,000	Pike	12	5

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 274.05 miles of existing water lines.
- There are no line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,611,311.
- Estimated funding needs for projects from 6 to 10 years: \$550,000.



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 7 serviceable households will be added through the construction of 0.00 miles of water line extensions and approximately 14,226 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)
			Unserviced	Underserved			
Beech Fork Water Commission	1	\$1,186,500	-	5,225	-	-	-
City of Campton	1	\$167,036	5	-	-	-	-
City of Clay City	1	\$550,000	-	-	-	-	-
Levee Road Water Association Inc	1	\$246,045	-	-	-	-	-
Powells Valley Water District	8	\$1,011,730	2	9,001	-	1.00	-
Totals:	12	\$3,161,311	7	14,226	-	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	1,634	746
KY0990357	Powells Valley Water District	Powell	5,284	2,370
KY0990418	Stanton Water Commission	Powell	5,393	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	35	16
Totals:			12,392	5,471



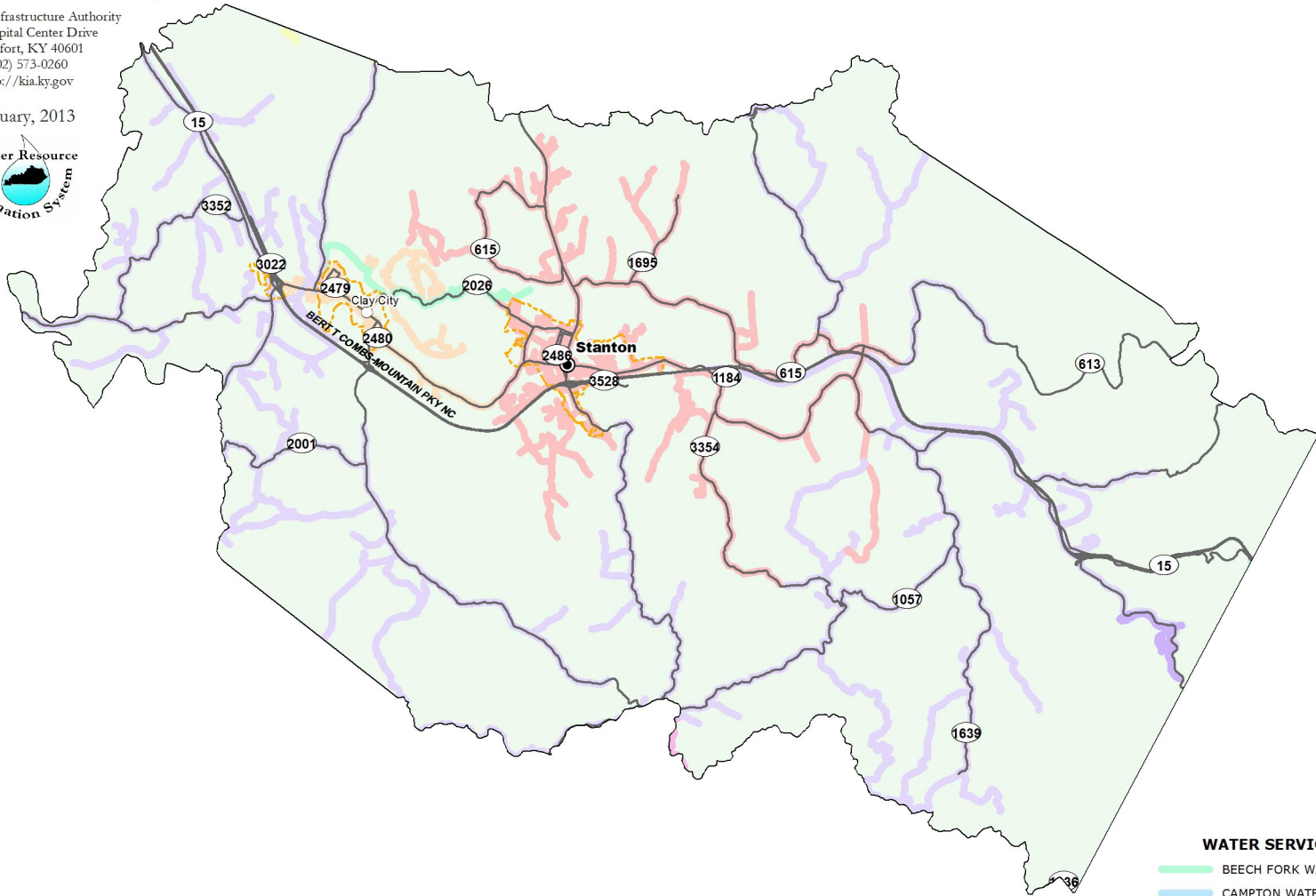
WATER SERVICE AREAS POWELL COUNTY

Kentucky

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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

Powell County (continued)

System Summary for Beech Fork Water Commission

PWSID	KY0990281	Treats Water	No
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	\$7.68 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)	424.495
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	-
Industrial Customers	-	Total Wholesale Sold (MG)	367.438
Wholesale Customers	3	Estimated Pct. Water Loss	13%
Total Distribution System Line Length = 6.39 miles (Distribution: 0.00 miles, Transmission: 6.39 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21197011	Water Treatment Plant Floor Repair	0-2 Years	Partially Funded	\$1,186,500	Powell	3	1

Powell County (continued)

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	694
Residential Customers	634	Total Produced (MG)	-
Commercial Customers	55	Total Purchased (MG)	31.438
Institutional Customers	-	Total Inside Usage (MG)	31.438
Industrial Customers	5	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	0%
Total Distribution System Line Length = 20.28 miles (Distribution: 19.09 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
WX21197011	Water Treatment Plant Floor Repair	0-2 Years	Partially Funded	\$1,186,500	Powell	3	1
WX21197007	City of Clay City - 150,000 Gallon Elevated Water Storage Tank	6-10 Years	Not Funded	\$550,000	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	6	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	\$38.66 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	2,329
Residential Customers	2,193	Total Produced (MG)	-
Commercial Customers	109	Total Purchased (MG)	132.000
Institutional Customers	-	Total Inside Usage (MG)	110.090
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	17%
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
WX21197011	Water Treatment Plant Floor Repair	0-2 Years	Partially Funded	\$1,186,500	Powell	3	1
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	\$27.12 per 4,000 gallons.	Storage Capacity	Yes, 4 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$34.45 per 4,000 gallons.	Total Connections	2,312
Residential Customers	2,112	Total Produced (MG)	-
Commercial Customers	200	Total Purchased (MG)	204.000
Institutional Customers	-	Total Inside Usage (MG)	120.822
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	41%
Total Distribution System Line Length = 86.70 miles (Distribution: 86.70 miles, Transmission: 0.00 miles).			

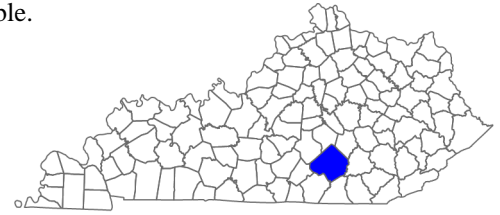
MG = Million Gallons.
 MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21197011	Water Treatment Plant Floor Repair	0-2 Years	Partially Funded	\$1,186,500	Powell	3	1

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 1,409.85 miles of existing water lines.
- 49.00 miles of line extensions proposed in the next 10 years.
- 34.00 miles of line rehabilitation proposed in the next 10 years.
- 25.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$31,096,800.
- 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 19,412 instances of improved service through the rehabilitation of 34.00 miles of existing water lines and other appurtenances. 25.00 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)
			Unservd	Underservd			
Bronston Water Association Inc	2	\$1,354,000	-	235	-	5.00	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	\$7,725,000	-	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	4	\$7,645,000	-	780	-	-	12.00
Totals:	36	\$34,994,194	54	19,412	49.00	34.00	25.00

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	2,366	1,542
KY1000050	Burnside Municipal Water Works	Pulaski	1,165	678
KY1000124	Eubank Water System	Pulaski	4,640	2,026
KY1000362	Science Hill Water Works	Pulaski	4,756	2,055
KY1000403	Somerset Utilities	Pulaski	17,102	8,273
KY1000311	Southeastern Water Association	Pulaski	14,985	8,015
KY1000363	Western Pulaski County Water District	Pulaski	15,878	7,426
KY1000973	Woodson Bend Property Owners Association	Pulaski	142	362
KY1020891	Western Rockcastle Water Association	Rockcastle	335	162
Totals:			61,369	30,539



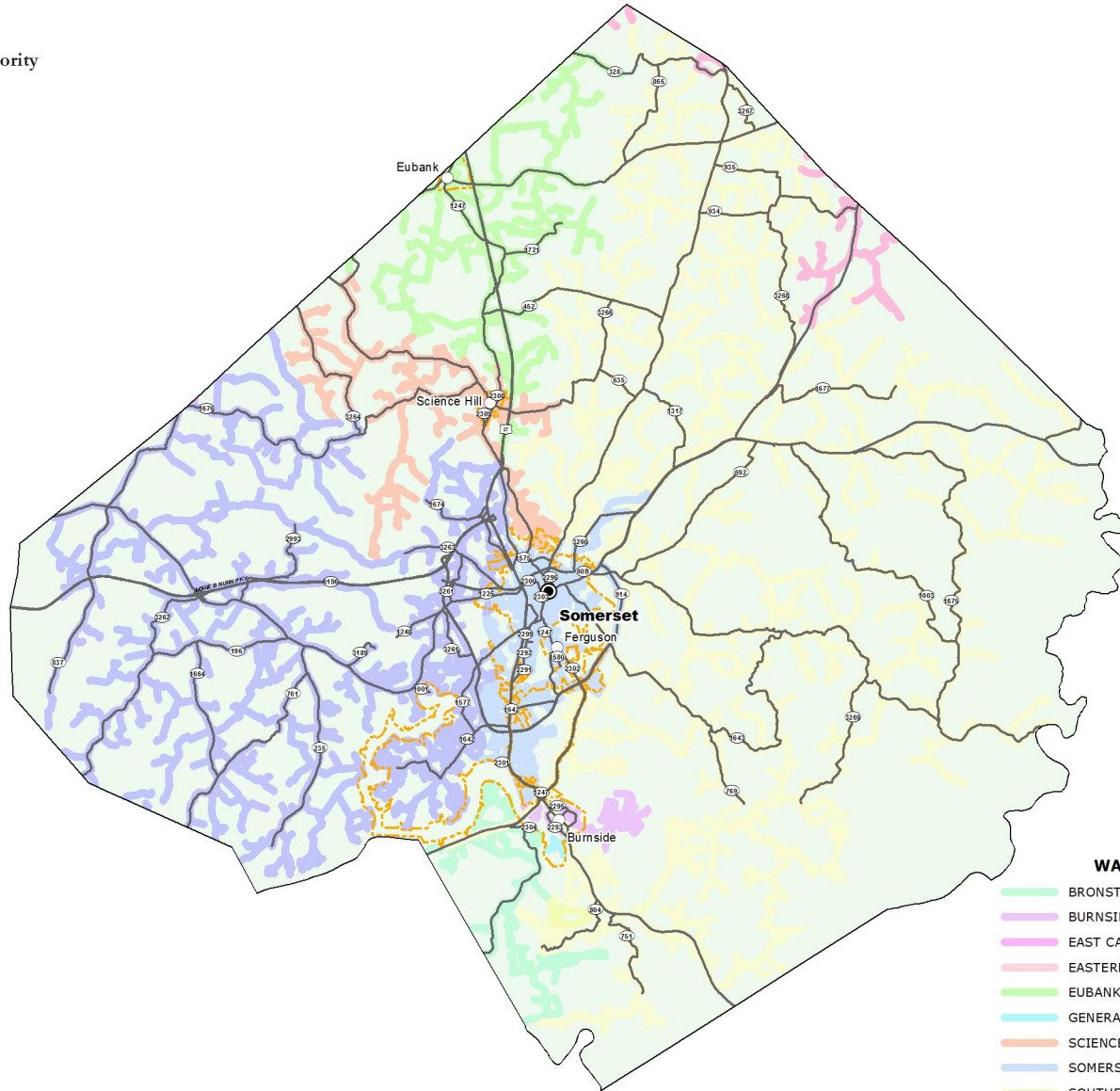
WATER SERVICE AREAS PULASKI COUNTY

Kentucky

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Kentucky Infrastructure Authority

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January, 2013



WATER SERVICE BY OWNER

- BRONSTON WATER ASSOCIATION
- BURNSIDE MUNICIPAL WATER WORKS
- EAST CASEY COUNTY WATER DISTRICT
- EASTERN ROCKCASTLE COUNTY WATER ASSOCIATION
- EUBANK WATER SYSTEM
- GENERAL BURNSIDE ISLAND STATE PARK
- SCIENCE HILL WATER WORKS
- SOMERSET UTILITIES
- SOUTHEASTERN WATER ASSOCIATION
- WESTERN PULASKI COUNTY WATER DISTRICT
- WESTERN ROCKCASTLE WATER ASSOCIATION
- WOODSON BEND PROPERTY OWNERS ASSOCIATION

Pulaski County (continued)

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	\$36.29 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	1,768
Residential Customers	1,698	Total Produced (MG)	-
Commercial Customers	70	Total Purchased (MG)	87.122
Institutional Customers	-	Total Inside Usage (MG)	59.001
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	32%
Total Distribution System Line Length = 76.71 miles (Distribution: 76.71 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		
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		

Pulaski County (continued)

System Summary for Burnside Municipal Water Works

PWSID	KY1000050	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	3	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	No
Inside Mun. Cost	\$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	629
Residential Customers	576	Total Produced (MG)	43.094
Commercial Customers	39	Total Purchased (MG)	8.104
Institutional Customers	-	Total Inside Usage (MG)	39.007
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	24%
Total Distribution System Line Length = 27.84 miles (Distribution: 27.77 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
WX21199113	Burnside/West Lakeshore Drive (Pharmacy at US 27 to W. French) W	3-5 Years	Not Funded	\$274,000	Pulaski	3	1
WX21199087	Burnside–E. French Ave. Water Project	3-5 Years	Not Funded	\$170,000	Pulaski	7	2
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		
WX21199112	Burnside/East Lakeshore Drive Waterline Replacement	3-5 Years	Not Funded	\$210,000	Pulaski		
WX21199114	Burnside/West Lakeshore Dr. Waterline Replacement	3-5 Years	Not Funded	\$197,000	Pulaski		
WX21199051	Burnside – Tank Cleaning & Painting Project	3-5 Years	Not Funded	\$111,000	Pulaski		
WX21199110	Burnside/Boland Dr. Waterline Replacement	3-5 Years	Not Funded	\$43,000	Pulaski		



Pulaski County (continued)

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, 6 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	-	Total Connections	4,262
Residential Customers	4,151	Total Produced (MG)	-
Commercial Customers	109	Total Purchased (MG)	296.203
Institutional Customers	-	Total Inside Usage (MG)	222.795
Industrial Customers	-	Total Wholesale Sold (MG)	23.096
Wholesale Customers	1	Estimated Pct. Water Loss	17%
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
WX21199106	Water Meter Replacement Project	3-5 Years	Not Funded	\$357,000	Pulaski	4	1
WX21199098	City of Eubank – Phase III – New Water Transmission Line	3-5 Years	Not Funded	\$1,866,000	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		
WX21137047	Waynesburg Water Line Replacement (KY HWY 328)	0-2 Years	Not Funded	\$85,000	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		



Pulaski County (continued)

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	2	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	2,100
Residential Customers	2,001	Total Produced (MG)	-
Commercial Customers	91	Total Purchased (MG)	156.717
Institutional Customers	1	Total Inside Usage (MG)	182.686
Industrial Customers	3	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-17%
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	\$7,600,000	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		

Pulaski County (continued)

System Summary for Somerset Utilities

PWSID	KY1000403	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	25	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	9,225
Residential Customers	6,662	Total Produced (MG)	2,755.290
Commercial Customers	2,225	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	574.804
Industrial Customers	21	Total Wholesale Sold (MG)	1,557.265
Wholesale Customers	4	Estimated Pct. Water Loss	23%
Total Distribution System Line Length = 164.91 miles (Distribution: 164.46 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	\$7,600,000	Pulaski		
WX21199039	Somerset/Columbia St Water Distribution Rehabilitation	3-5 Years	Not Funded	\$125,000	Pulaski		

Pulaski County (continued)

System Summary for Southeastern Water Association

PWSID	KY1000311	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	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	7,611
Residential Customers	7,603	Total Produced (MG)	-
Commercial Customers	7	Total Purchased (MG)	571.005
Institutional Customers	-	Total Inside Usage (MG)	462.349
Industrial Customers	-	Total Wholesale Sold (MG)	8.104
Wholesale Customers	1	Estimated Pct. Water Loss	18%
Total Distribution System Line Length = 594.05 miles (Distribution: 591.76 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	\$7,600,000	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		



Pulaski County (continued)

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	\$25.98 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	8,119
Residential Customers	8,052	Total Produced (MG)	-
Commercial Customers	67	Total Purchased (MG)	533.340
Institutional Customers	-	Total Inside Usage (MG)	372.490
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	30%
Total Distribution System Line Length = 446.96 miles (Distribution: 446.96 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	\$7,600,000	Pulaski		
WX21199109	Big Clifty Creek Area Water Transmission Main & Improvements	3-5 Years	Not Funded	\$3,079,000	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		



Pulaski County (continued)

System Summary for Woodson Bend Property Owners Association

PWSID	KY1000973	Treats Water	No
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)	12.651
Commercial Customers	3	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	12.270
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 4.46 miles (Distribution: 4.22 miles, Transmission: 0.23 miles).			

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

There are no immediate projects for Woodson Bend Property Owners Association

Robertson County

- 2010 census population of 2,282 (1,095 households) with 99% serviceable.
- Projected 2020 population of 2,364 (change of 82).
- Robertson County has 135.36 miles of existing water lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 18.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- There are no projects planned from 0 to 5 years.
- Estimated funding needs for projects from 6 to 10 years: \$2,185,000.



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 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 3.00 miles of water line extensions and approximately 481 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			
Buffalo Trail Water Association Inc	4	\$1,815,000	1	325	3.00	14.00	-
City of Mount Olivet	1	\$370,000	-	156	-	4.00	-
Totals:	5	\$2,185,000	1	481	3.00	18.00	-

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	460	219
KY0810046	Buffalo Trail Water Association	Mason	1,782	858
		Totals:	2,242	1,077



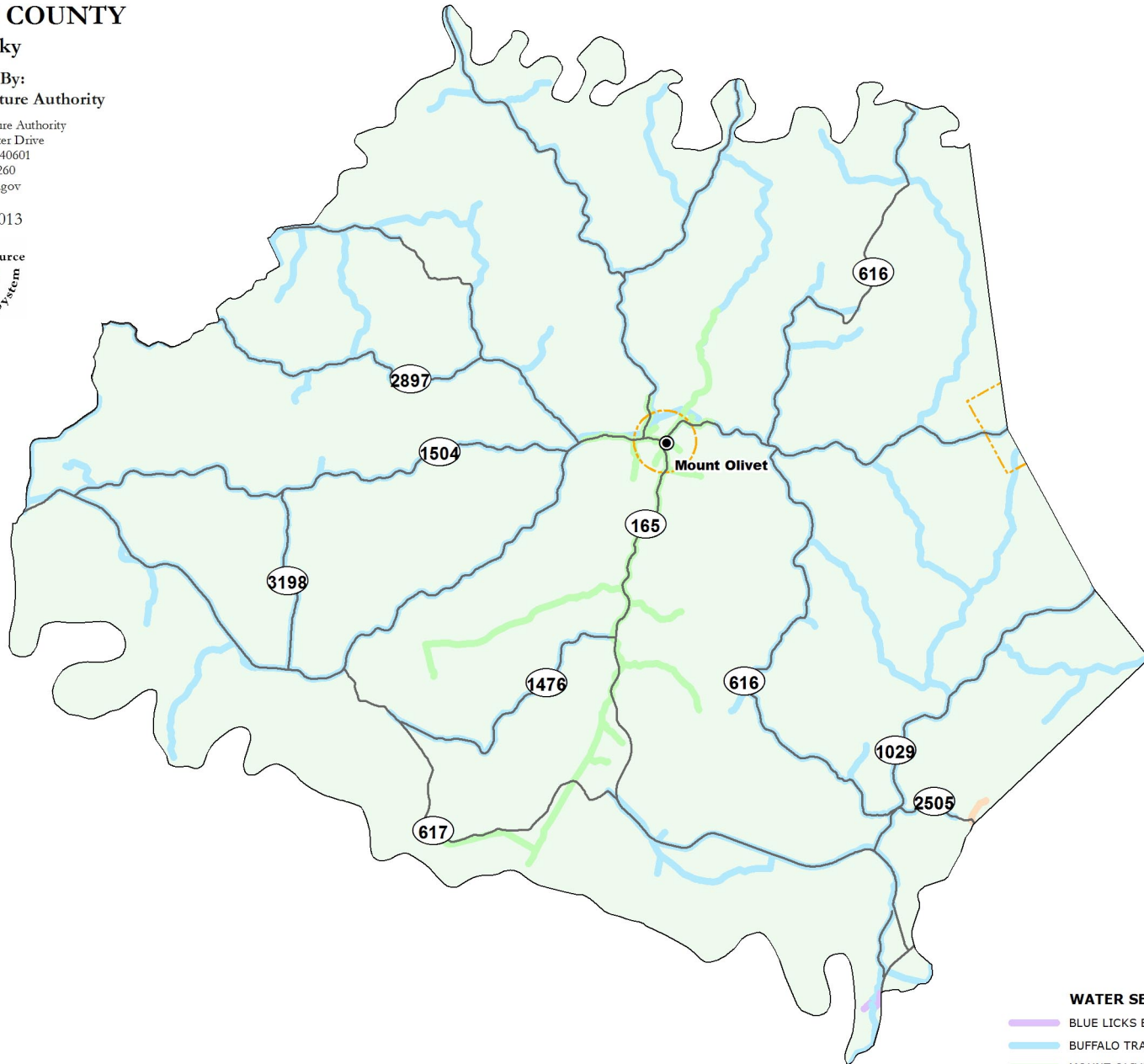
WATER SERVICE AREAS ROBERTSON COUNTY

Kentucky





Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
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January, 2013



WATER SERVICE BY OWNER

-  BLUE LICKS BATTLEFIELD STATE RESORT PARK
-  BUFFALO TRAIL WATER ASSOCIATION
-  MOUNT OLIVET WATER
-  WESTERN FLEMING WATER DISTRICT

Robertson County (continued)

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	\$43.23 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	\$43.23 per 4,000 gallons.	Total Connections	256
Residential Customers	219	Total Produced (MG)	-
Commercial Customers	21	Total Purchased (MG)	14.183
Institutional Customers	-	Total Inside Usage (MG)	12.629
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	11%
Total Distribution System Line Length = 20.38 miles (Distribution: 20.38 miles, Transmission: 0.00 miles).			

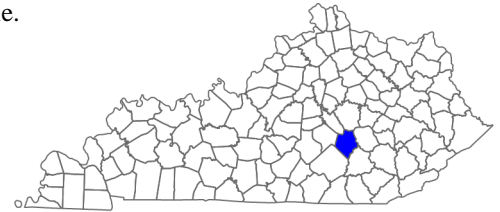
MG = Million Gallons.
 MGD = Million Gallons per Day.

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-Waterworks Rd/KY 617/KY 165 S	6-10 Years	Not Funded	\$370,000	Robertson	15	3

Rockcastle County

- 2010 census population of 17,056 (7,703 households) with 96% serviceable.
- Projected 2020 population of 17,593 (change of 537).
- Rockcastle County has 467.71 miles of existing water lines.
- 25.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$4,479,576.
- Estimated funding needs for projects from 6 to 10 years: \$888,500.



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 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 663 serviceable households will be added through the construction of 25.00 miles of water line extensions and approximately 4,229 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)
			Unserviced	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	4	\$1,550,000	641	1,202	11.00	-	-
Jackson County Water Association Inc	1	\$1,011,400	-	8	-	1.00	-
Rockcastle County Fiscal Court	1	\$291,000	12	-	2.00	-	-
Western Rockcastle Water Association Inc	1	\$527,176	10	500	12.00	-	-
Totals:	10	\$5,368,076	663	4,229	25.00	2.00	-

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	1,512	680
KY1020299	City of Mount Vernon	Rockcastle	4,316	1,990
KY1020288	Eastern Rockcastle County Water Association	Rockcastle	1,399	685
KY1020253	Livingston Municipal Water Works	Rockcastle	374	192
KY1020891	Western Rockcastle Water Association	Rockcastle	8,758	3,835
KY0550209	Jackson County Water Association Inc	Jackson	65	35
		Totals:	16,424	7,417



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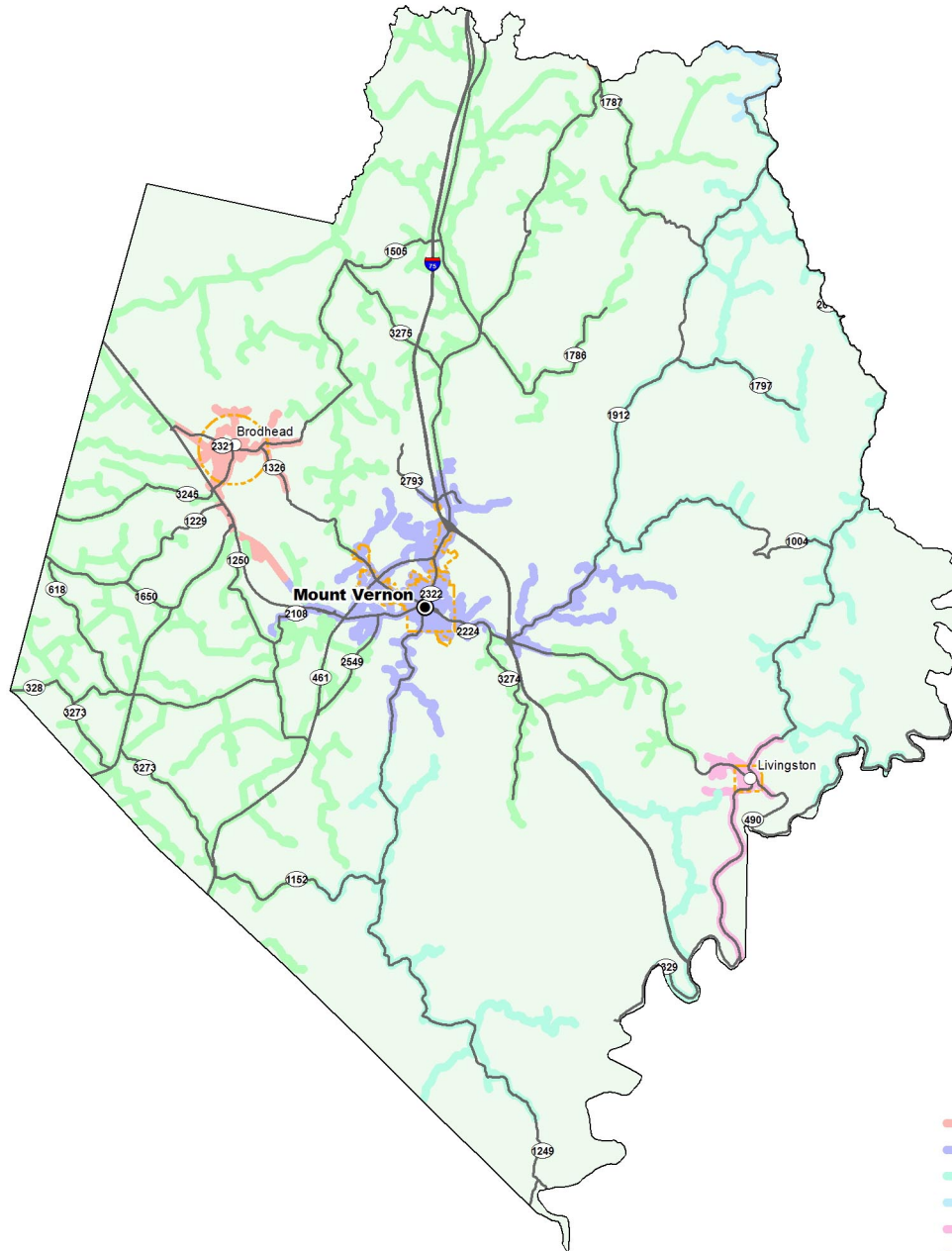
WATER SERVICE AREAS ROCKCASTLE COUNTY

Kentucky

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 Kentucky Infrastructure Authority

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January, 2013



WATER SERVICE BY OWNER

- CITY OF BRODHEAD
- CITY OF MOUNT VERNON
- EASTERN ROCKCASTLE COUNTY WATER ASSOCIATION
- JACKSON COUNTY WATER ASSOCIATION INC
- LIVINGSTON MUNICIPAL WATER WORKS
- SOUTHERN MADISON WATER DISTRICT
- WESTERN ROCKCASTLE WATER ASSOCIATION

Rockcastle County (continued)

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	\$33.32 per 4,000 gallons.	Storage Capacity	Yes, 3 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$44.87 per 4,000 gallons.	Total Connections	546
Residential Customers	530	Total Produced (MG)	-
Commercial Customers	15	Total Purchased (MG)	47.048
Institutional Customers	-	Total Inside Usage (MG)	39.790
Industrial Customers	1	Total Wholesale Sold (MG)	5.910
Wholesale Customers	1	Estimated Pct. Water Loss	3%
Total Distribution System Line Length = 19.03 miles (Distribution: 19.03 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	9	3

Rockcastle County (continued)

System Summary for City of Mount Vernon

PWSID	KY1020299	Treats Water	No
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	2,017
Residential Customers	1,669	Total Produced (MG)	645.801
Commercial Customers	285	Total Purchased (MG)	-
Institutional Customers	21	Total Inside Usage (MG)	274.427
Industrial Customers	15	Total Wholesale Sold (MG)	227.104
Wholesale Customers	3	Estimated Pct. Water Loss	22%
Total Distribution System Line Length = 78.19 miles (Distribution: 77.83 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	4	1

Rockcastle County (continued)

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	3	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	\$46.79 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	607
Residential Customers	607	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	23.741
Institutional Customers	-	Total Inside Usage (MG)	22.250
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	6%
Total Distribution System Line Length = 101.27 miles (Distribution: 101.20 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	9	3
WX21109002	New Morrell Elevated Storage Tank and Pump Station	3-5 Years	Not Funded	\$1,011,400	Jackson	19	2
WX21203007	Water Pump Replacement & Repairs	3-5 Years	Not Funded	\$30,000	Rockcastle	23	2
WX21203009	Eastern Rockcastle - Meter Replacement and Radio Read Meters	0-2 Years	Not Funded	\$80,000	Rockcastle	25	4
WX21203556	Eastern Rockcastle - Water Line Extension and Connection	6-10 Years	Not Funded	\$836,000	Rockcastle		
WX21203519	Eastern Rockcastle Water Association - Water System Improvements	0-2 Years	Partially Funded	\$604,000	Rockcastle		



Rockcastle County (continued)

System Summary for Livingston Municipal 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	\$48.02 per 4,000 gallons.	Storage Capacity	Yes, 1 tank with total capacity of 0.000 MG.
Outside Mun. Cost	\$49.70 per 4,000 gallons.	Total Connections	182
Residential Customers	182	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	16.242
Institutional Customers	-	Total Inside Usage (MG)	7.926
Industrial Customers	-	Total Wholesale Sold (MG)	3.558
Wholesale Customers	1	Estimated Pct. Water Loss	29%
Total Distribution System Line Length = 12.96 miles (Distribution: 12.96 miles, Transmission: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203538	City of Livingston - Wood Creek Water Connection	3-5 Years	Not Funded	\$1,096,000	Laurel	44	10
WX21203534	Livingston Ky - Water System Debt Reduction	6-10 Years	Not Funded	\$52,500	Rockcastle		



Rockcastle County (continued)

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	\$45.51 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	3,120
Residential Customers	4,048	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	187.605
Institutional Customers	-	Total Inside Usage (MG)	209.601
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	-12%
Total Distribution System Line Length = 337.82 miles (Distribution: 337.82 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
WX21203558	Western Rockcastle Water Association - Hummel Road Water Line Extension	3-5 Years	Not Funded	\$291,000	Rockcastle	29	5
WX21203554	Western Rockcastle Water Line Extensions & Improvements	0-2 Years	Partially Funded	\$527,176	Rockcastle		



Rowan County

- 2010 census population of 23,333 (10,102 households) with 96% serviceable.
- Projected 2020 population of 24,708 (change of 1,375).
- Rowan County has 388.71 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: \$3,782,400.
- There are no projects planned from 6 to 10 years.



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 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 48,615 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	7	\$2,512,400	-	37,839	-	4.00	-
Rowan Water Inc	3	\$1,270,000	-	10,776	-	-	-
Totals:	10	\$3,782,400	-	48,615	-	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	1,720	185
KY1030292	Morehead Utility Plant Board	Rowan	7,933	3,552
KY1030375	Rowan Water, Inc	Rowan	12,785	5,946
KY0060022	Bath County Water District	Bath	35	17
		Totals:	22,473	9,700



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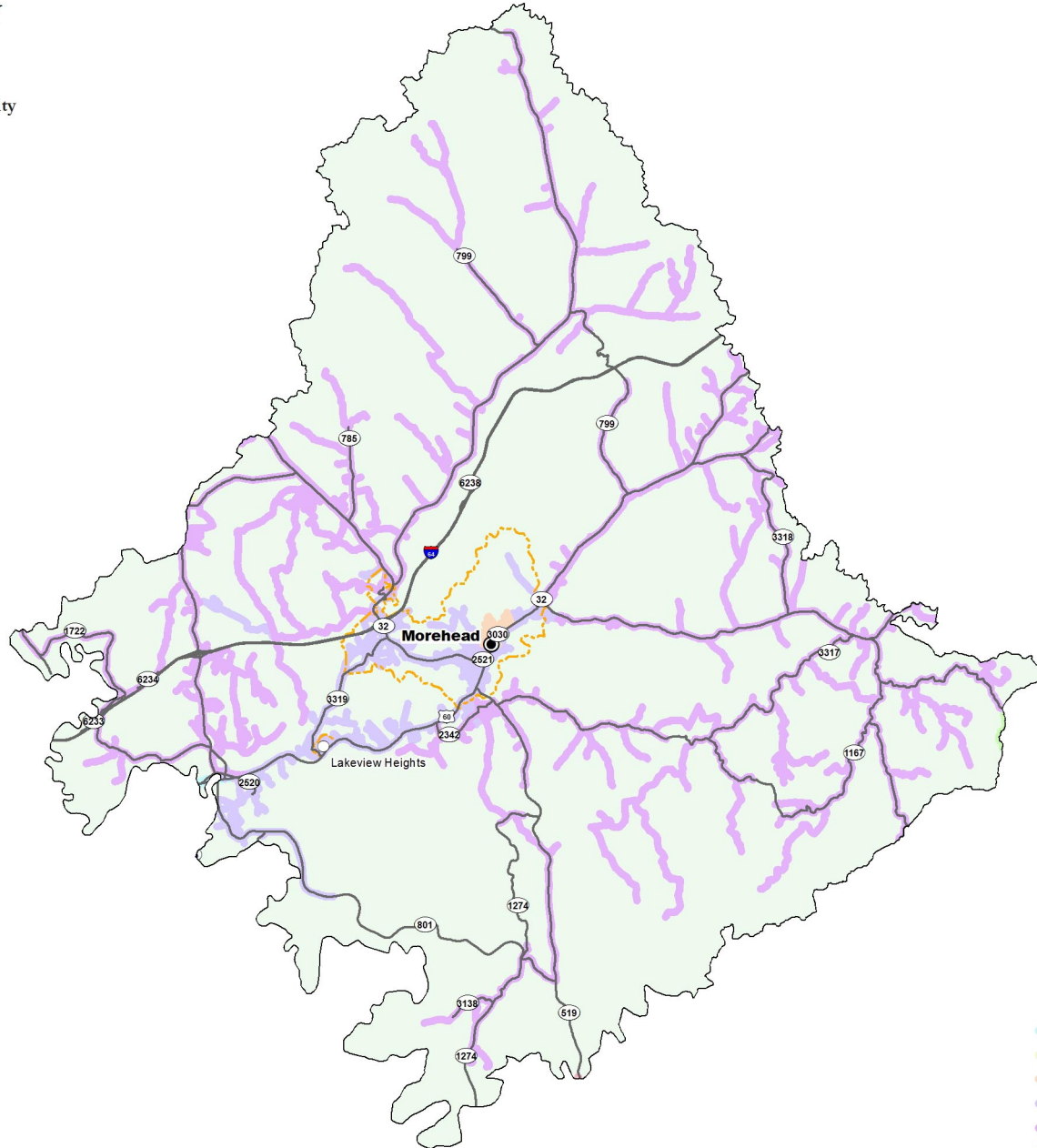
WATER SERVICE AREAS ROWAN COUNTY

Kentucky

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January, 2013



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

Rowan County (continued)

System Summary for Morehead State University

PWSID	KY1030480	Treats Water	No
System Type	Community	Surface Source	Yes, 2 sources.
Owner Type	Private Non-Profit	Groundwater Source	No
Employees	13	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 1 purchaser.
Inside Mun. Cost	-	Storage Capacity	Yes, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1
Residential Customers	6,500	Total Produced (MG)	103.915
Commercial Customers	-	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	101.840
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	1	Estimated Pct. Water Loss	2%
Total Distribution System Line Length = 6.37 miles (Distribution: 5.46 miles, Transmission: 0.91 miles).			

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

There are no immediate projects for Morehead State University

Rowan County (continued)

System Summary for Morehead Utility Plant Board

PWSID	KY1030292	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	36	Wholesale Purchaser	Yes, from 2 providers.
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	\$19.26 per 4,000 gallons.	Storage Capacity	Yes, 8 tanks with total capacity of 4.000 MG.
Outside Mun. Cost	\$23.11 per 4,000 gallons.	Total Connections	3,353
Residential Customers	2,738	Total Produced (MG)	1,586.907
Commercial Customers	607	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	375.744
Industrial Customers	6	Total Wholesale Sold (MG)	1,071.612
Wholesale Customers	3	Estimated Pct. Water Loss	9%
Total Distribution System Line Length = 93.39 miles (Distribution: 92.35 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
WX21205041	Morehead Utility Plant Board Water Treatment Plant Improvement Project	3-5 Years	Not Funded	\$200,000	Rowan	3	1
WX21205027	Morehead Utility Plant Board Paint US 60 Water Tank Project	3-5 Years	Not Funded	\$150,000	Rowan	5	2
WX21205039	Morehead Utility Plant Board 500,000 Gallon Water Tank Project	3-5 Years	Not Funded	\$800,000	Rowan	6	3
WX21205045	Morehead Utility Plant Board MMRC Water Tank Painting Project	3-5 Years	Not Funded	\$250,000	Rowan	10	4
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	\$900,000	Rowan	22	5
WX21205046	Morehead Utility Plant Board Water Meter Riser Project	3-5 Years	Not Funded	\$62,400	Rowan	35	6
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	3-5 Years	Not Funded	\$150,000	Rowan	56	10



Rowan County (continued)

System Summary for Rowan Water, Inc

PWSID	KY1030375	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water Association	Groundwater Source	No
Employees	11	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$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	6,814
Residential Customers	6,708	Total Produced (MG)	-
Commercial Customers	100	Total Purchased (MG)	708.224
Institutional Customers	-	Total Inside Usage (MG)	575.000
Industrial Customers	-	Total Wholesale Sold (MG)	9.736
Wholesale Customers	4	Estimated Pct. Water Loss	17%
Total Distribution System Line Length = 370.28 miles (Distribution: 370.13 miles, Transmission: 0.15 miles).			

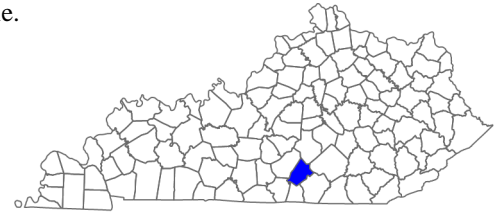
MG = Million Gallons.
MGD = Million Gallons per Day.

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	41	7
WX21205044	Rowan Water Inc. New Pump Station and Tank Project	3-5 Years	Not Funded	\$600,000	Rowan	44	8
WX21205029	Rowan Water Inc. CCC Trail Water Tank Rehab Project	3-5 Years	Not Funded	\$70,000	Rowan	45	9

Russell County

- 2010 census population of 17,565 (9,993 households) with 97% serviceable.
- Projected 2020 population of 18,782 (change of 1,217).
- Russell County has 501.84 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 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 93 serviceable households will be added through the construction of 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	53	-	25.00	-	1.00
Totals:	14	\$5,585,885	93	-	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	7,236	4,127
KY1040377	Russell Springs Sewer & Water Works	Russell	9,249	4,796
KY0010702	Columbia/Adair Utilities District	Adair	30	14
KY1000363	Western Pulaski County Water District	Pulaski	510	769
		Totals:	17,025	9,706



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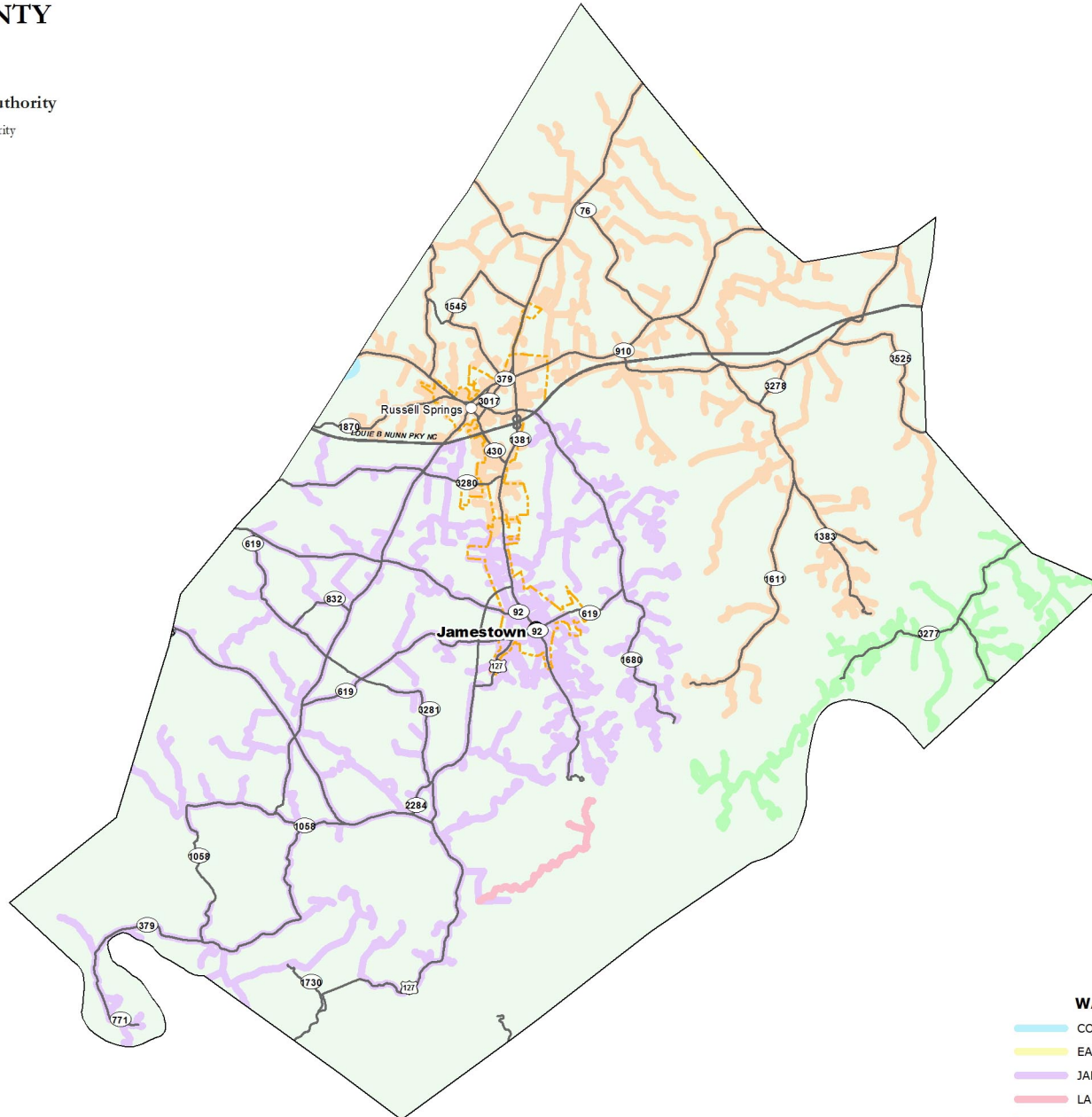
WATER SERVICE AREAS RUSSELL COUNTY

Kentucky

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WATER SERVICE BY OWNER

- COLUMBIA/ADAIR UTILITIES DISTRICT
- EAST CASEY COUNTY WATER DISTRICT
- JAMESTOWN UTILITIES
- LAKE CUMBERLAND STATE RESORT PARK
- RUSSELL SPRINGS SEWER & WATER WORKS
- WESTERN PULASKI COUNTY WATER DISTRICT

Russell County (continued)

System Summary for Jamestown Utilities

PWSID	KY1040210	Treats Water	No
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 2 purchasers.
Inside Mun. Cost	\$20.38 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	\$27.33 per 4,000 gallons.	Total Connections	3,632
Residential Customers	3,503	Total Produced (MG)	1,292.049
Commercial Customers	119	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	732.011
Industrial Customers	7	Total Wholesale Sold (MG)	381.527
Wholesale Customers	2	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 247.77 miles (Distribution: 246.28 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, 8 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$22.60 per 4,000 gallons.	Total Connections	4,292
Residential Customers	3,928	Total Produced (MG)	-
Commercial Customers	345	Total Purchased (MG)	367.621
Institutional Customers	-	Total Inside Usage (MG)	248.210
Industrial Customers	17	Total Wholesale Sold (MG)	67.143
Wholesale Customers	2	Estimated Pct. Water Loss	14%
Total Distribution System Line Length = 211.59 miles (Distribution: 211.38 miles, Transmission: 0.21 miles).			

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

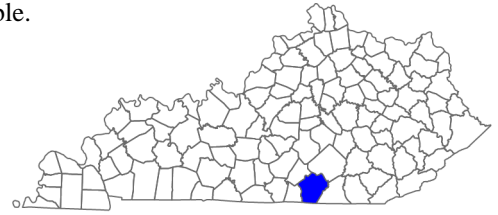
Project Summary (Top 18 Approved, 0-5 years) for Russell Springs Sewer & Water Works

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		



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 461.17 miles of existing water lines.
- 34.00 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: \$12,095,500.
- 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 267 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 Monticello	7	\$15,273,500	151	267	34.00	8.00	-
Totals:	7	\$15,273,500	151	267	34.00	8.00	-

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	17,462	8,618
KY1000043	Bronston Water Association	Pulaski	740	405
KY1000363	Western Pulaski County Water District	Pulaski	501	716
		Totals:	18,703	9,739



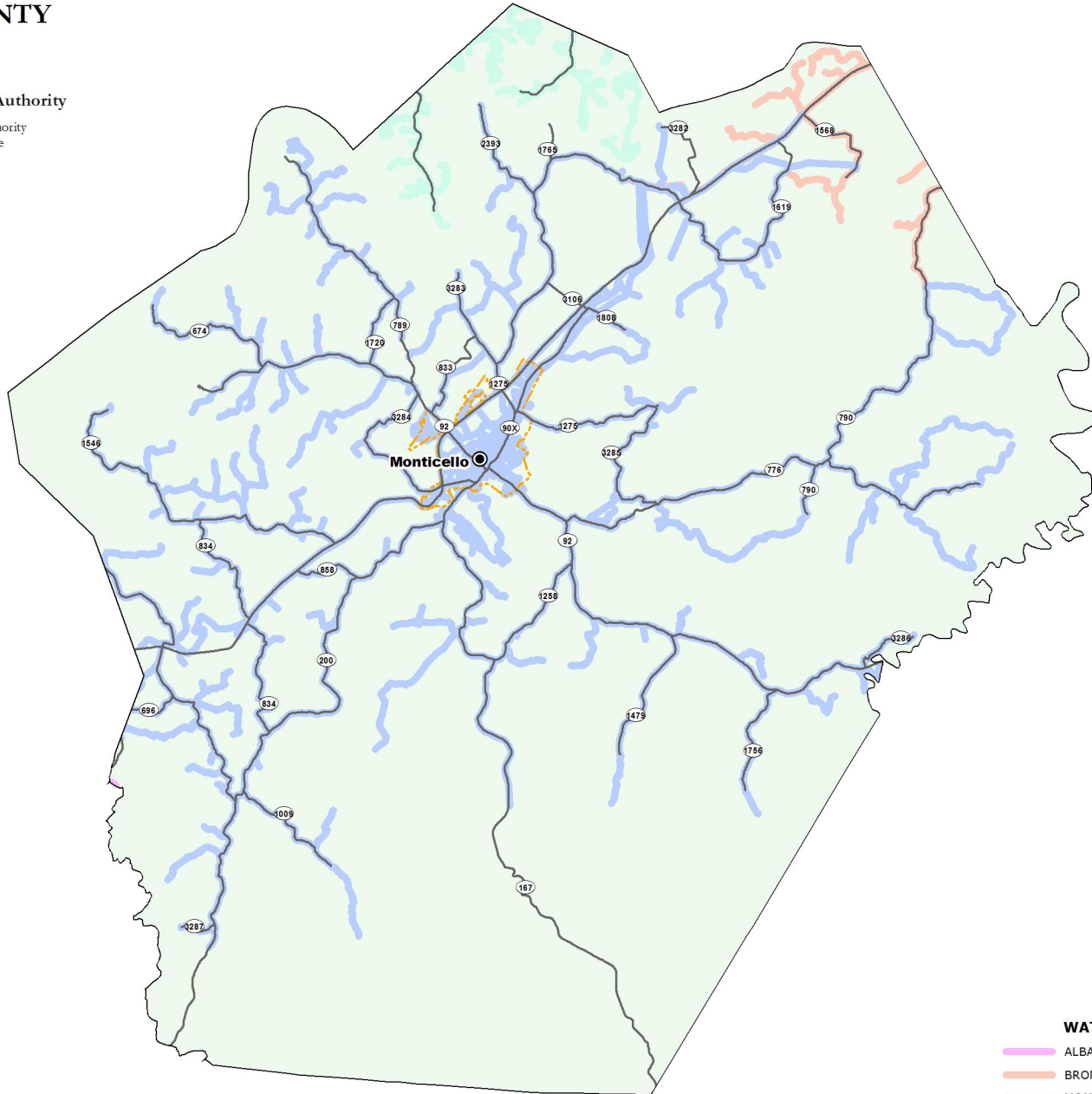
WATER SERVICE AREAS WAYNE COUNTY

Kentucky

Prepared By:
Kentucky Infrastructure Authority

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January, 2013



- WATER SERVICE BY OWNER**
- ALBANY MUNICIPAL WATER & SEWER
 - BRONSTON WATER ASSOCIATION
 - MONTICELLO UTILITY COMMISSION
 - WESTERN PULASKI COUNTY WATER DISTRICT

Wayne County (continued)

System Summary for Monticello Utility Commission

PWSID	KY1160291	Treats Water	No
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 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	8,175
Residential Customers	7,646	Total Produced (MG)	780.000
Commercial Customers	528	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	595.608
Industrial Customers	-	Total Wholesale Sold (MG)	87.122
Wholesale Customers	1	Estimated Pct. Water Loss	12%
Total Distribution System Line Length = 396.60 miles (Distribution: 387.56 miles, Transmission: 9.04 miles).			

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

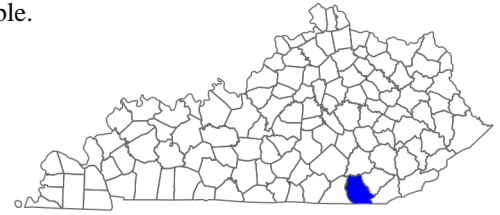
Project Summary (Top 18 Approved, 0-5 years) for Monticello Utility Commission

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		



Whitley County

- 2010 census population of 35,637 (15,166 households) with 96% serviceable.
- Projected 2020 population of 35,256 (change of -381).
- Whitley County has 655.08 miles of existing water lines.
- 21.00 miles of line extensions proposed in the next 10 years.
- 21.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$11,228,127.
- Estimated funding needs for projects from 6 to 10 years: \$980,000.



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 96 percent of the county's households based on 2010 census counts. Over the next ten years approximately 445 serviceable households will be added through the construction of 21.00 miles of water line extensions and approximately 5,195 instances of improved service through the rehabilitation of 21.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this county.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserviced	Underserved			
City of Corbin	1	\$980,000	1	10	2.00	-	-
City of Williamsburg	1	\$3,250,000	-	1,650	-	-	-
Cumberland Falls Highway Water District	3	\$3,253,000	346	3,320	7.00	9.00	3.00
Knox County Fiscal Court	1	\$1,128,400	4	-	2.00	-	-
Knox County Utility Commission	2	\$738,000	90	-	8.00	-	-
McCreary County Water District	2	\$2,078,727	4	4	2.00	1.00	-
Whitley County Water District	1	\$780,000	-	211	-	11.00	-
Totals:	11	\$12,208,127	445	5,195	21.00	21.00	3.00

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	8,112	3,669
KY1180093	Cumberland Falls Highway Water District	Whitley	8,909	3,694
KY1183728	Whitley County Water District	Whitley	420	181
KY1180468	Whitley County Water District #1	Whitley	3,260	1,379
KY1180962	Whitley County Water District #2	Whitley	4,529	2,002
KY1180999	Whitley County Water District #3	Whitley	3,138	1,324
KY1180471	Williamsburg Municipal WTP	Whitley	5,123	1,924
KY0070353	Pineville Water System	Bell	227	101
KY0610110	Knox County Utility Commission	Knox	607	314
Totals:			34,325	14,588



WATER SERVICE AREAS WHITLEY COUNTY

Kentucky

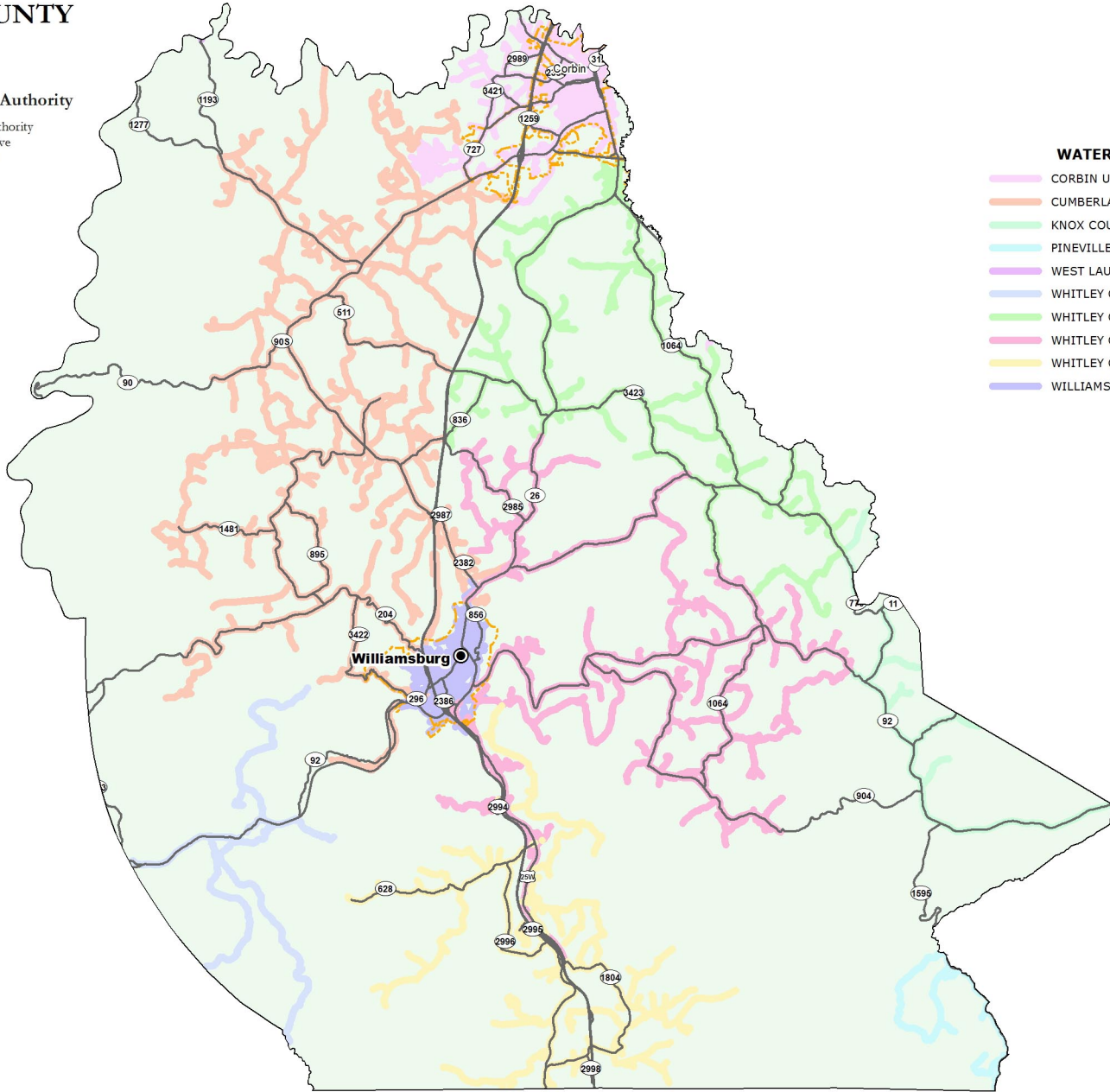
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Kentucky Infrastructure Authority

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January, 2013



- WATER SERVICE BY OWNER**
- CORBIN UTILITIES COMMISSION
 - CUMBERLAND FALLS HIGHWAY WATER DISTRICT
 - KNOX COUNTY UTILITY COMMISSION
 - PINEVILLE UTILITY COMMISSION
 - WEST LAUREL WATER ASSOCIATION
 - WHITLEY COUNTY WATER DISTRICT
 - WHITLEY COUNTY WATER DISTRICT #1
 - WHITLEY COUNTY WATER DISTRICT #2
 - WHITLEY COUNTY WATER DISTRICT #3
 - WILLIAMSBURG MUNICIPAL WTP



Whitley County (continued)

System Summary for Corbin Utilities Commission

PWSID	KY1180085	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Municipal Utility Board or Commission	Groundwater Source	No
Employees	36	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 3 purchasers.
Inside Mun. Cost	\$13.41 per 4,000 gallons.	Storage Capacity	Yes, 9 tanks with total capacity of 6.000 MG.
Outside Mun. Cost	\$18.78 per 4,000 gallons.	Total Connections	6,338
Residential Customers	5,396	Total Produced (MG)	1,087.087
Commercial Customers	1,006	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	642.339
Industrial Customers	8	Total Wholesale Sold (MG)	171.302
Wholesale Customers	3	Estimated Pct. Water Loss	25%
Total Distribution System Line Length = 183.67 miles (Distribution: 182.20 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
WX21121724	Corbin By-Pass (KY 3041) Water Line Extension	6-10 Years	Not Funded	\$980,000	Whitley		

Whitley County (continued)

System Summary for Cumberland Falls Highway Water District

PWSID	KY1180093	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	8	Wholesale Purchaser	Yes, from 3 providers.
Non-Municipal Cost	\$37.29 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	3,129
Residential Customers	3,090	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	74.359
Institutional Customers	-	Total Inside Usage (MG)	47.209
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	37%
Total Distribution System Line Length = 189.80 miles (Distribution: 188.83 miles, Transmission: 0.97 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
WX21235002	CFHWYWD - Line Replacement and Reinforcement	3-5 Years	Not Funded	\$1,120,000	Whitley	39	4
WX21235003	Cumberland Falls Highway Water District - US 25E Transmission Main	3-5 Years	Not Funded	\$1,200,000	Whitley		
WX21235403	CFHWD Water - New Line Extension Project	0-2 Years	Partially Funded	\$933,000	Whitley		



Whitley County (continued)

System Summary for Whitley County Water District

PWSID	KY1183728	Treats Water	No
System Type	Community	Surface Source	No
Owner Type	Water District (KRS 74)	Groundwater Source	No
Employees	9	Wholesale Purchaser	Yes, from 1 provider.
Non-Municipal Cost	\$39.10 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	81
Residential Customers	102	Total Produced (MG)	-
Commercial Customers	-	Total Purchased (MG)	5.260
Institutional Customers	-	Total Inside Usage (MG)	3.888
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	26%
Total Distribution System Line Length = 25.69 miles (Distribution: 25.69 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Whitley County Water District

Whitley County (continued)

System Summary for Whitley County Water District #1

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 2 providers.
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	915
Residential Customers	663	Total Produced (MG)	-
Commercial Customers	32	Total Purchased (MG)	125.249
Institutional Customers	-	Total Inside Usage (MG)	32.888
Industrial Customers	663	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	74%
Total Distribution System Line Length = 76.97 miles (Distribution: 76.97 miles, Transmission: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21235434	Whitley County: Water System Improvements	3-5 Years	Not Funded	\$780,000	Whitley	26	1

Whitley County (continued)

System Summary for Whitley County Water District #2

PWSID	KY1180962	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, 2 tanks with total capacity of 0.000 MG.
Outside Mun. Cost	-	Total Connections	1,618
Residential Customers	1,405	Total Produced (MG)	-
Commercial Customers	75	Total Purchased (MG)	87.093
Institutional Customers	-	Total Inside Usage (MG)	70.198
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	19%
Total Distribution System Line Length = 123.03 miles (Distribution: 123.03 miles, Transmission: 0.00 miles).			

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

There are no immediate projects for Whitley County Water District #2

Whitley County (continued)

System Summary for Whitley County Water District #3

PWSID	KY1180999	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	721
Residential Customers	694	Total Produced (MG)	-
Commercial Customers	28	Total Purchased (MG)	35,435.000
Institutional Customers	-	Total Inside Usage (MG)	48.469
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	100%
Total Distribution System Line Length = 72.07 miles (Distribution: 72.07 miles, Transmission: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Whitley County Water District #3

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21235434	Whitley County: Water System Improvements	3-5 Years	Not Funded	\$780,000	Whitley	26	1

Whitley County (continued)

System Summary for Williamsburg Municipal WTP

PWSID	KY1180471	Treats Water	No
System Type	Community	Surface Source	Yes, 1 source.
Owner Type	Incorporated City	Groundwater Source	No
Employees	5	Wholesale Purchaser	No
Non-Municipal Cost	-	Wholesale Provider	Yes, to 2 purchasers.
Inside Mun. Cost	\$22.29 per 4,000 gallons.	Storage Capacity	Yes, 7 tanks with total capacity of 2.000 MG.
Outside Mun. Cost	\$37.08 per 4,000 gallons.	Total Connections	1,646
Residential Customers	1,431	Total Produced (MG)	502.118
Commercial Customers	193	Total Purchased (MG)	-
Institutional Customers	-	Total Inside Usage (MG)	165.119
Industrial Customers	2	Total Wholesale Sold (MG)	146.268
Wholesale Customers	2	Estimated Pct. Water Loss	38%
Total Distribution System Line Length = 46.65 miles (Distribution: 46.25 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
WX21235803	Williamsburg - Phase III Water System Improvements	3-5 Years	Not Funded	\$3,250,000	Whitley	40	3

Wolfe County

- 2010 census population of 7,355 (3,660 households) with 85% serviceable.
- Projected 2020 population of 7,636 (change of 281).
- Wolfe County has 208.80 miles of existing water lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,927,033.
- Estimated funding needs for projects from 6 to 10 years: \$705,000.



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 85 percent of the county's households based on 2010 census counts. Over the next ten years approximately 76 serviceable households will be added through the construction of 13.00 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	\$3,632,033	76	2,176	13.00	1.00	-
Totals:	4	\$3,632,033	76	2,176	13.00	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	6,127	3,067
KY0650024	Beattyville Water Works	Lee	23	12
KY0880594	Morgan County Water District	Morgan	55	28
		Totals:	6,205	3,107



Kentucky Infrastructure Authority
 Tuesday, April 22, 2014 9:37 PM

WATER SERVICE AREAS WOLFE COUNTY

Kentucky

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January, 2013



WATER SERVICE BY OWNER

- BEATTYVILLE WATER WORKS
- CAMPTON WATER SYSTEM
- FRENCHBURG WATER & SEWER
- MORGAN COUNTY WATER DISTRICT

Wolfe County (continued)

System Summary for Campton Water System

PWSID	KY1190061	Treats Water	No
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	\$33.50 per 4,000 gallons.	Storage Capacity	Yes, 12 tanks with total capacity of 1.000 MG.
Outside Mun. Cost	\$36.50 per 4,000 gallons.	Total Connections	2,206
Residential Customers	1,991	Total Produced (MG)	156.001
Commercial Customers	133	Total Purchased (MG)	1.538
Institutional Customers	-	Total Inside Usage (MG)	144.574
Industrial Customers	-	Total Wholesale Sold (MG)	-
Wholesale Customers	-	Estimated Pct. Water Loss	8%
Total Distribution System Line Length = 208.14 miles (Distribution: 207.68 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
WX21237011	Campton Tank Replacement Project	3-5 Years	Not Funded	\$1,578,000	Wolfe	8	1
WX21237006	Campton - Water Line Extensions Phase II	6-10 Years	Not Funded	\$705,000	Wolfe	9	2
WX21237010	City of Campton - Barker Branch - Water Extensions	3-5 Years	Partially Funded	\$167,036	Wolfe		3
WX21237746	Campton South Valeria Water Extension Project	3-5 Years	Not Funded	\$1,142,400	Wolfe		
WX21237009	Spring Branch, Kelse Holland Fork And B. Potter Fork Water Line	0-2 Years	Partially Funded	\$206,633	Wolfe		