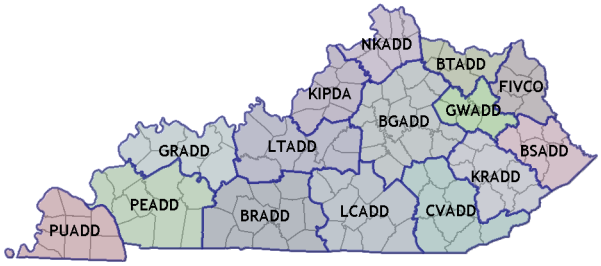
Kentucky



- 2010 census population of 4,339,367 (1,927,164 households) wi
- Projected 2020 population of 4,672,754 (change of 333,387).
- 17,794 miles of existing sewer lines.
- 18 new sewage treatment plants proposed in the next 10 years.
- 1,811 miles of line extensions proposed in the next 10 years.
- 455 miles of line rehabilitation proposed in the next 10 years.
- 404 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,749,682,878.
- Estimated funding needs for projects from 6 to 10 years: $350,791,573.
- Average age of wastewater treatment plants is 32 years.
- Total number of interconnected systems is 48.
- 2,377 miles of sewer lines less than 15 years old.
- 4,595 miles of sewer lines between 15 and 30 years old.
- 4,970 miles of sewer lines between 31 and 50 years old.
- 3,570 miles of sewer lines between 51 and 70 years old.
- 2,212 miles of sewer lines greater than 70 years old.

Area Development District Demographic and Asset Condition Summary

Area Development District	2010 Population	2020 Population	Serviceable Population	Percent Serviceable	Planned Cost 0 to 10 Years
Bluegrass Area Development District	770,404	862,521	566,685	75%	$ 488,532,814
Barren River Area Development District	284,195	316,297	127,065	45%	$ 155,776,377
Big Sandy Area Development District	154,093	148,051	41,554	28%	$ 118,855,880
Buffalo Trace Area Development District	56,478	58,306	19,669	37%	$ 27,345,370
Cumberland Valley Area Development District	236,618	237,501	77,945	34%	$ 219,165,799
Five County Area Development District	137,884	139,098	71,316	53%	$ 109,253,351
Green River Area Development District	213,472	220,544	134,360	64%	$ 102,991,859
Gateway Area Development District	81,652	87,651	36,257	42%	$ 37,769,458
Kentuckiana Regional Planning and Development Agency	959,091	1,058,343	835,898	89%	$ 149,611,747
Kentucky River Area Development District	114,762	111,267	27,497	24%	$ 118,968,315
Lake Cumberland Area Development District	207,256	221,481	58,366	28%	$ 87,044,746
Lincoln Trail Area Development District	269,117	295,040	108,003	41%	$ 104,485,043
Northern Kentucky Area Development District	438,647	488,377	362,338	83%	$ 76,538,805
Pennyrile Area Development District	219,305	226,580	109,789	51%	$ 161,686,667
Purchase Area Development District	196,393	201,697	95,384	49%	$ 142,448,220
Demographic Totals	**4,339,367**	**4,672,754**	**2,672,126**	**62%**	**$ 2,100,474,451**

Area Development District	Average WWTP Age (yrs)	KISOPs	Lines < 15 yrs (mi)	Lines 15 to 30 yrs (mi)	Lines 31 to 50 yrs (mi)	Lines 51 to 70 yrs (mi)	Lines > 70 yrs (mi)
Bluegrass Area Development District	28	5	411	754	1,106	635	405
Barren River Area Development District	39	3	171	284	497	66	9
Big Sandy Area Development District	25	1	100	224	15	59	2
Buffalo Trace Area Development District	33	1	99	37	67	58	0
Cumberland Valley Area Development District	35	2	150	125	212	179	36
FIVCO	36	9	59	242	194	87	6
Green River Area Development District	41	7	138	229	270	168	220
Gateway Area Development District	26	0	89	202	77	27	0
Kentuckiana Regional Planning & Devlopment Agency	32	1	456	1,232	1,150	719	527
Kentucky River Area Development District	25	1	111	40	105	27	0
Lake Cumberland Area Development District	26	3	129	134	196	21	98
Lincoln Tral Area Development District	34	3	177	249	147	383	22
Northern Kentucky Area Development District	24	3	106	617	716	428	236
Pennyrile Area Development District	37	7	108	159	171	209	400
Purchase Area Development District	33	2	73	67	47	504	251
Asset Condition Averages and Totals:	**32**	**48**	**2,377**	**4,595**	**4,970**	**3,570**	**2,212**

Kentucky Infrastructure Authority
February 15, 2018

Percent of Households Serviceable by Public Wastewater Systems in 2010

Prepared By:
Kentucky Infrastructure Authority

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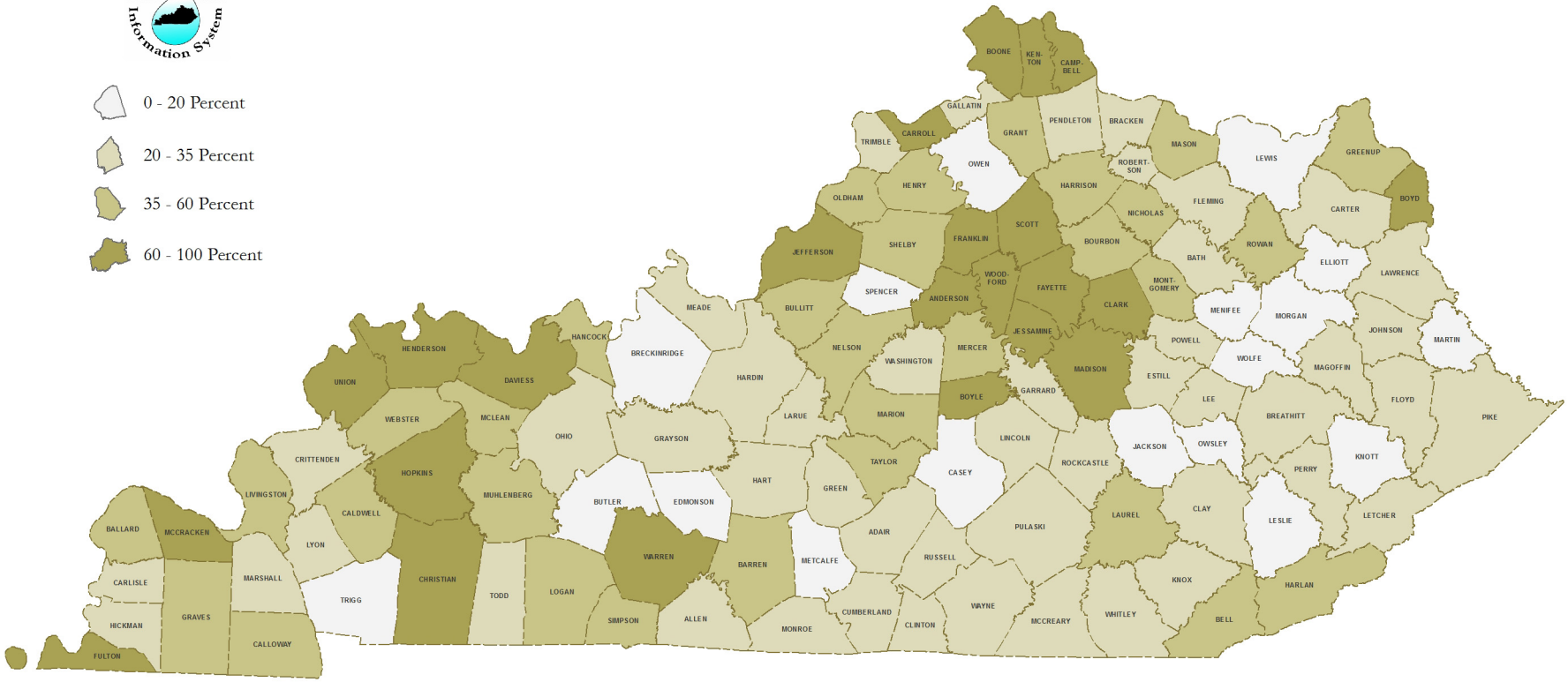
February, 2015

Water Resource Information System

- 0 - 20 Percent
- 20 - 35 Percent
- 35 - 60 Percent
- 60 - 100 Percent



Kentucky Infrastructure Authority
February 15, 2018

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

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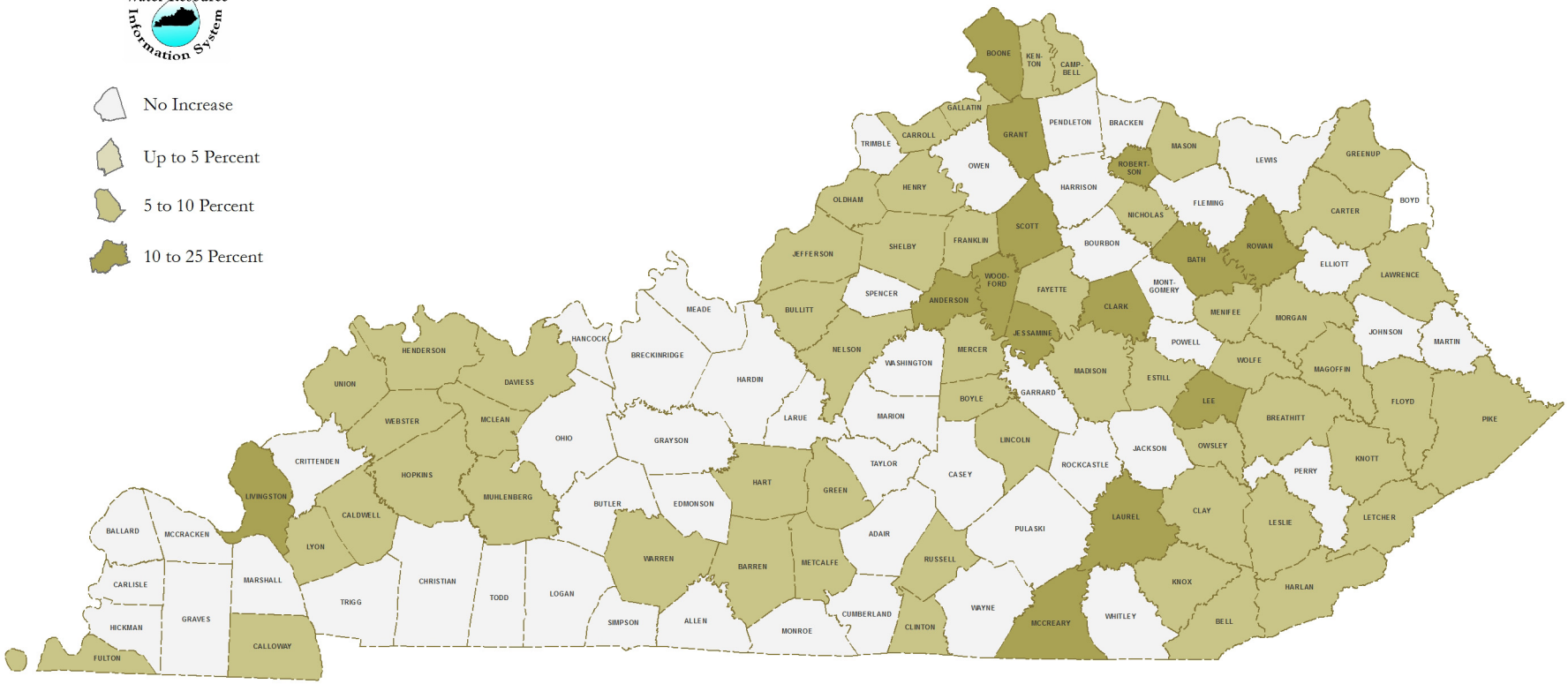
February, 2015

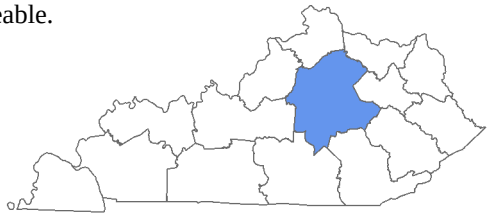
Water Resource Information System

- No Increase
- Up to 5 Percent
- 5 to 10 Percent
- 10 to 25 Percent



Bluegrass Area Development District (BGADD)

- 2010 census population of 770,404 (340,939 households) with 75% serviceable.
- Projected 2020 population of 862,521 (change of 92,117).
- 3,310.79 miles of existing sewer lines.
- 263.00 miles of line extensions proposed in the next 10 years.
- 42.00 miles of line rehabilitation proposed in the next 10 years.
- 93.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $369,457,764.
- Estimated funding needs for projects from 6 to 10 years: $119,075,050.
- Average age of wastewater treatment plants is 28 years.
- Total number of interconnected systems is 5.
- 411 miles of sewer lines less than 15 years old.
- 754 miles of sewer lines between 15 and 30 years old.
- 1,106 miles of sewer lines between 31 and 50 years old.
- 635 miles of sewer lines between 51 and 70 years old.
- 405 miles of sewer lines greater than 70 years old.



Bluegrass Area Development District has a 2010 census population count of 770,404 (340,939 households) with a projected 2020 population count of 862,521 (355,488 households). Public sewer is currently available to approximately 75 percent of the district's households based on 2010 census counts. Over the next ten years approximately 7,462 serviceable households will be added through the construction of 263.00 miles of sewer line extensions and approximately 57,621 instances of improved service through the rehabilitation of 42.00 miles of existing sewer lines and other appurtenances. 93.00 miles of interceptor lines are also proposed within this district.

County Summary for Bluegrass Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Anderson	21,421	9,127	23,555	9,582	5,749	63%	$ 2,535,000
Bourbon	19,985	8,927	20,530	8,478	5,312	60%	$ 9,145,000
Boyle	28,432	12,312	29,048	11,782	8,648	70%	$ 17,366,906
Clark	35,613	15,706	37,985	15,800	11,106	71%	$ 36,254,705
Estill	14,672	6,865	14,359	6,115	2,280	33%	$ 47,873,000
Fayette	295,803	135,160	334,733	141,152	131,252	97%	$ 91,202,702
Franklin	49,285	23,164	50,777	21,761	17,488	76%	$ 49,125,500
Garrard	16,912	7,463	19,122	7,917	1,855	25%	$ 13,608,420
Harrison	18,846	8,208	19,640	8,006	3,210	39%	$ 432,000
Jessamine	48,586	19,331	58,928	22,184	14,439	75%	$ 93,906,242
Lincoln	24,742	10,819	26,170	10,762	2,692	25%	$ 17,435,420
Madison	82,916	35,043	95,333	38,093	22,112	63%	$ 81,840,854
Mercer	21,331	9,941	21,810	9,299	4,387	44%	$ 2,028,926
Nicholas	7,135	3,261	7,411	3,012	1,262	39%	$ 2,330,000
Powell	12,613	5,598	12,319	4,860	1,924	34%	$ 10,012,139
Scott	47,173	19,303	63,984	25,538	13,216	69%	$ 6,850,000
Woodford	24,939	10,711	26,817	11,147	7,308	68%	$ 6,586,000
Totals	**770,404**	**340,939**	**862,521**	**355,488**	**254,240**	**75%**	**$ 488,532,814**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

BGADD

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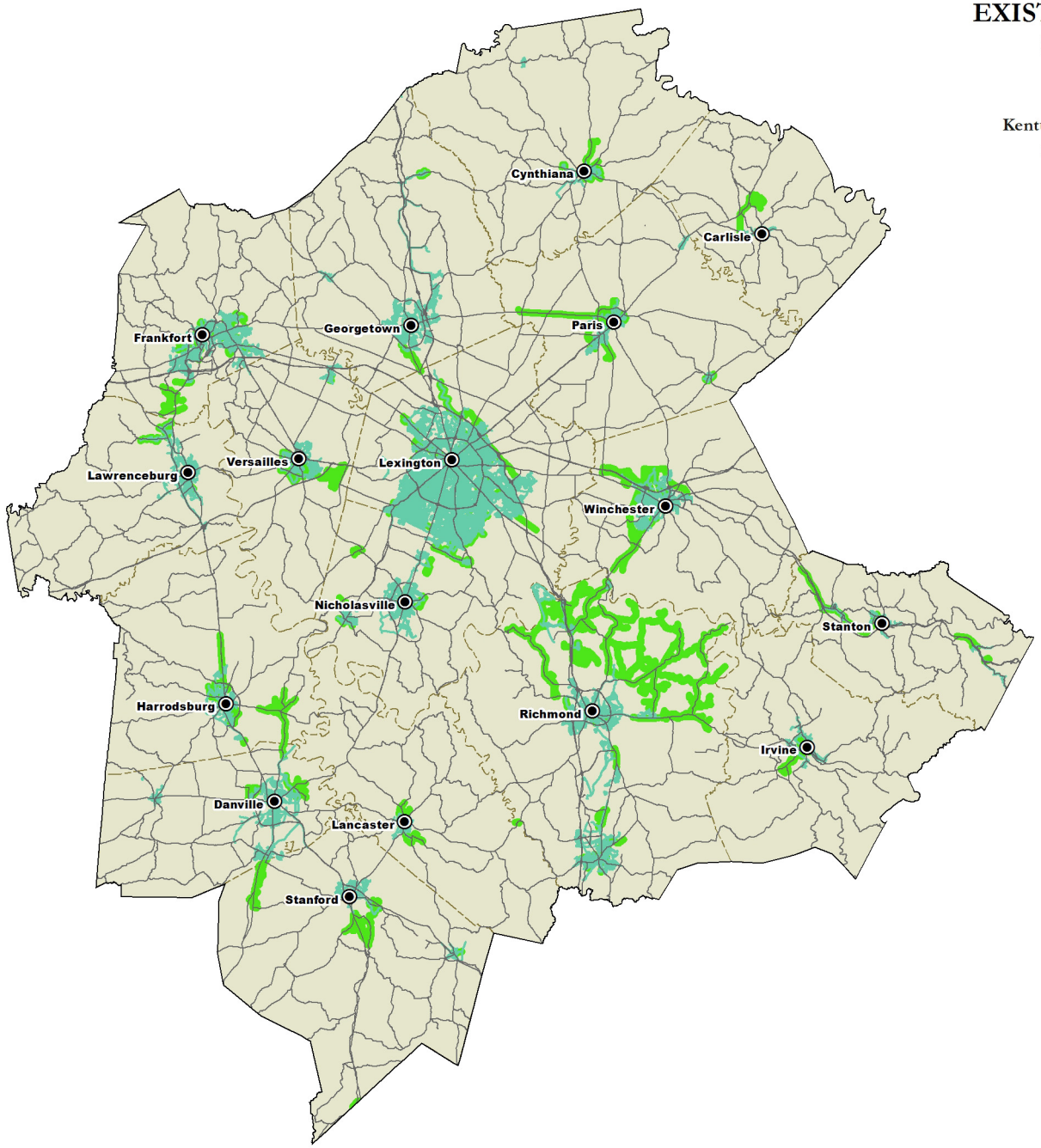
March, 2013



Public Sewer Systems in the Bluegrass Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021067	Lawrenceburg Water and Sewer	Anderson	13,344	5,749
KY0020940	Millersburg Sewer Department	Bourbon	831	430
KY0031836	North Middletown Sewer Treatment Plant	Bourbon	664	279
KY0090654	Paris Sewer Department	Bourbon	10,102	4,610
KY0028355	Danville - Perryville WWTP	Boyle	881	412
KY0057193	Danville Municipal Sewer System	Boyle	19,226	8,339
KY0037991	Winchester Municipal Utilities	Clark	25,141	11,106
KY0025909	Irvine Municipal Utilities	Estill	4,656	2,280
KY0021491	LFUCG - Town Branch	Fayette	121,836	54,556
KY0044351	Coolbrook Subdivision	Franklin	660	256
KY0074977	Edgewood Subdivision	Franklin	188	81
KY0022861	Frankfort Sewer Department	Franklin	34,505	17,094
KY0074802	Ridgewood Sewer District LLC	Franklin	176	67
KY0020974	Lancaster Wastewater Treatment Plant and Sewer Department	Garrard	3,992	1,855
05011006	Berry Sewer System	Harrison	288	118
KY0076635	Cedarbrook Subdivision	Harrison	131	45
KY0105856	Cynthiana Sewer Department	Harrison	6,581	3,044
KYP000072	Jessamine South Elkhorn Water District	Jessamine	1,667	741
KY0021504	LFUCG - West Hickman	Jessamine	164,940	76,737
KY0100404	Nicholasville Sewer Department	Jessamine	29,008	11,814
KY0028428	Wilmore Sewer Department	Jessamine	5,243	1,843
KY0065897	Crab Orchard Sewer Department	Lincoln	894	447
KY0024619	Stanford Sewer Department	Lincoln	4,851	2,142
KY0079898	Berea Sewer Department	Madison	14,190	5,881
KY0102971	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,313	563
KY0056561	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	193	88
KYP000071	Northern Madison County Sanitation District - Muddy Creek WWTP	Madison	790	362
KY0105376	Northern Madison County Sanitation District - Regional Plant	Madison	2,662	1,028
KY0107107	Richmond Utilities - Otter Creek	Madison	31,846	13,956
KY0103357	Richmond Utilities - Silver Creek	Madison	396	228
KY0027421	Harrodsburg Sewer Department	Mercer	8,704	4,088
KYP000080	Mercer County Sanitation District	Mercer	571	285
KY0020923	Carlisle Sewer Department	Nicholas	2,253	1,148
KIA181001	Nicholas County Sanitation District #2	Nicholas	183	107
KYP000084	Clay City Wastewater	Powell	1,213	585
KY0104078	Powells Valley Water District Sewer Division	Powell	71	59
KY0034428	Red River Wastewater Authority	Powell	32	17
KYP000085	Stanton, City of	Powell	2,890	1,263
KY0020150	GMWSS STP #1	Scott	28,330	11,731
KY0082007	GMWSS STP #2	Scott	2,712	1,001
KY0050512	GMWSS STP #3 - Stamping Ground	Scott	803	359
KY0081591	Longview Land Company LLC	Scott	346	123
KY0028410	Midway Sewer Department	Woodford	1,722	751
KY0020621	Versailles Municipal Wastewater	Woodford	15,614	6,547
		Totals:	566,639	254,215

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21209012	Georgetown/Scott County South Sewer Extension	0-2 Years	Partially Funded	$6,500,000	Scott	1	1
SX21067048	West Hickman WWTP Wet Weather Storage Tanks - Phase 1	0-2 Years	Partially Funded	$71,303,742	Fayette	2	2
SX21137023	LCSD - US 127 Corridor Sanitary Sewer Project, Phase 2	0-2 Years	Not Funded	$4,870,000	Lincoln	3	1
SX21073029	Farmdale SD - Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,500,000	Franklin	4	2
SX21113026	Wilmore Wastewater Collection System Rehabilitation - Phase 2	0-2 Years	Not Funded	$530,000	Jessamine	5	1
SX21151039	NMCSD - Madison Village Collection System Rehab	0-2 Years	Not Funded	$1,525,000	Madison	6	1
SX21197006	Stanton-Sanitary Sewer Service Area Expansion, Phase I	0-2 Years	Partially Funded	$2,565,000	Powell	7	1
SX21017013	BCFC - Bedford Acres Sanitary Sewer Project Phase 2	0-2 Years	Not Funded	$1,850,000	Bourbon	8	2
SX21065008	Kelly Pump Station 6-Inch Force Main Replacement - Imu	3-5 Years	Not Funded	$250,000	Estill	9	3
SX21079019	Lancaster Sanitary Sewer Improvements Project	0-2 Years	Not Funded	$5,564,800	Garrard	10	3
SX21167019	M C S D - Gwinn Island Road Sanitary Sewer Extension	0-2 Years	Not Funded	$1,525,676	Boyle	11	1
SX21017004	City of Paris - Claysville Trunk Sewer Replacement Project, Phase II	0-2 Years	Not Funded	$1,825,000	Bourbon	12	3
SX21017010	City of Paris-Southern Hills Sanitary Sewer Collection Project	3-5 Years	Not Funded	$1,820,000	Bourbon	13	5
SX21197004	Clay City - Phase II Sewer System Rehab	0-2 Years	Partially Funded	$332,308	Powell	14	2
SX21137019	Lincoln County Fiscal Court - Rowland Sanitary Sewer Extension	0-2 Years	Not Funded	$130,000	Lincoln	15	4
SX21073069	Frankfort Sewer Department WWTP Headworks Replacement	0-2 Years	Not Funded	$5,900,000	Franklin	16	4
SX21151052	BMU - Walnut Meadow Pump Station & South Middletown Trunk Sewer Improvements	0-2 Years	Fully Funded	$2,050,400	Madison	17	4
SX21073070	Frankfort Sewer Department Capital Avenue River Interceptor	0-2 Years	Not Funded	$1,750,000	Franklin	19	3
SX21239014	Versailles - WWTP Improvements - Belt Filter Press Replacement	0-2 Years	Not Funded	$1,000,000	Woodford	20	9
SX21049026	East Interceptor Sanitary Sewer System Rehabilitation	3-5 Years	Not Funded	$6,430,000	Clark	21	2
SX21021004	Danville Major Sewer System Rehabilitation	3-5 Years	Not Funded	$1,740,000	Boyle	22	2
SX21017018	Bourbon County Fiscal Court - Bedford Acres Storm Water Control	0-2 Years	Fully Funded	$1,425,004	Bourbon	23	1
SX21151054	Richmond - Silver Creek Outfall Sewer, Phase I	0-2 Years	Not Funded	$10,142,000	Madison	24	3
SX21197014	Clay City Business Park Sewer Extension Project	0-2 Years	Not Funded	$205,631	Powell	25	4
SX21017005	City of Paris-Mill Run Road & Cathy Drive Sanitary Sewer Project	3-5 Years	Not Funded	$900,000	Bourbon	26	7
SX21113018	Windhaven Drive Sewer Collection System	0-2 Years	Not Funded	$450,000	Jessamine	27	3
SX21151022	Boone Village Wastewater Collection System	3-5 Years	Not Funded	$730,000	Madison	28	6
SX21197015	Stanton - Sewer Service Area Expansion, Phase 2	3-5 Years	Not Funded	$1,419,400	Powell	29	5
SX21197011	Powells Valley - Cabin Country Sanitary Sewer Extensions Project	3-5 Years	Not Funded	$385,000	Powell	30	8
SX21017009	Bourbon County Fiscal Court - Centerville Sewer Project	0-2 Years	Partially Funded	$2,500,000	Bourbon	31	8
SX21079014	Garrard Co SD - Paint Lick Sewer System - Phase 1	0-2 Years	Partially Funded	$440,000	Garrard	32	6
SX21065007	Covey Road Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	$201,000	Estill	33	7

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21017015	City of Paris Rehab Sanitary Sewer Mains	0-2 Years	Not Funded	$250,000	Bourbon	34	4
SX21049025	East Washington Street and Flanagan Street Sanitary Sewer System Improvements	3-5 Years	Not Funded	$2,507,000	Clark	35	5
SX21065006	Wall Street Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	$309,000	Estill	36	6
SX21137015	Stanford - US 27 South Sewer Expansion Project	0-2 Years	Not Funded	$5,326,420	Lincoln	37	7
SX21079015	Lancaster Sewer Line Extension to Industrial Park	0-2 Years	Not Funded	$403,550	Garrard	38	5
SX21073072	Frankfort Sewer Department Buffalo Alley Pump Station Replacemen	0-2 Years	Not Funded	$1,300,000	Franklin	39	5
SX21073047	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	0-2 Years	Not Funded	$1,500,000	Franklin	40	6
SX21073079	Frankfort Sewer Department Mero Street Pump Station Replacement	0-2 Years	Not Funded	$2,050,000	Franklin	41	7
SX21073076	Frankfort - Thornhill Sanitary Sewer Replacement	3-5 Years	Not Funded	$4,026,000	Franklin	42	8
			Total Cost:	**$168,431,931**			

Anderson County

- 2010 census population of 21,421 (9,127 households) with 63% serviceable.
- Projected 2020 population of 23,555 (change of 2,134).
- Anderson County has 108.01 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,535,000.
- There are no projects planned from 6 to 10 years.

Anderson County has a 2010 census population count of 21,421 (9,127 households) with a projected 2020 population count of 23,555 (9,582 households). Public sewer is currently available to approximately 63 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 2.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Lawrenceburg	2	$2,535,000	14	-	2.00	-	-
Totals:	**2**	**$2,535,000**	**14**	**-**	**2.00**	**-**	**-**

Public Wastewater Systems in Anderson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021067	Lawrenceburg Water and Sewer	Anderson	13,344	5,749
		Totals:	13,344	5,749

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ANDERSON COUNTY
Kentucky

Prepared By:
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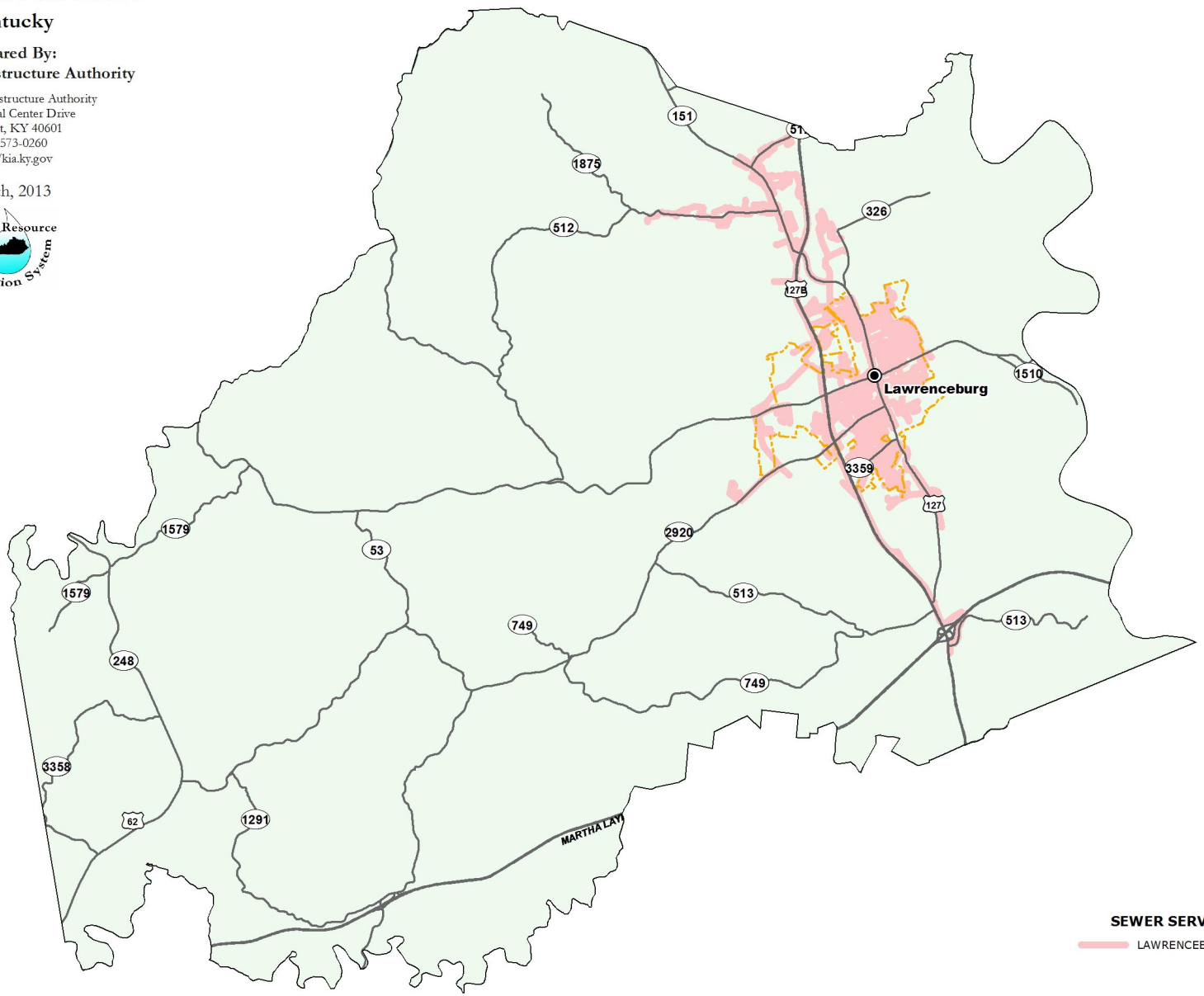
March, 2013

Water Resource Information System



System Summary for Lawrenceburg Water and Sewer

Permit ID	KY0021067	Treats Wastewater	Yes, 3.3 MGD with 1.68 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,447
Owner Type	Incorporated City	KISOP Sender	No
Employees	60	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.03	Total KISOP Treated (MG)	-
Residential Customers	6,677	Total Treated (MG)	613.200
Commercial Customers	240	Number of Manholes	1557
Institutional Customers	-	Number of Lift Stations	52
Industrial Customers	5	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 107.40 miles (Collection: 82.16 miles, Interceptors: 25.24 miles).			

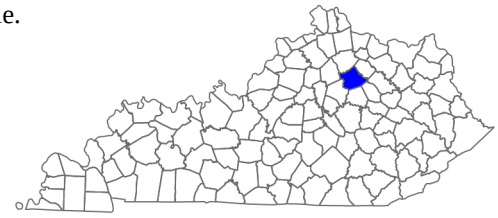
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21005007	Lawrenceburg Collection System I&I Rehab	0-2 Years	Partially Funded	$2,000,000	Anderson		
SX21005008	Lawrenceburg - Four Roses Sewer Extension	0-2 Years	Not Funded	$535,000	Anderson		

Bourbon County

- 2010 census population of 19,985 (8,927 households) with 60% serviceable.
- Projected 2020 population of 20,530 (change of 545).
- Bourbon County has 71.76 miles of existing sewer lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,145,000.
- There are no projects planned from 6 to 10 years.



Bourbon County has a 2010 census population count of 19,985 (8,927 households) with a projected 2020 population count of 20,530 (8,478 households). Public sewer is currently available to approximately 60 percent of the county's households based on 2010 census counts. Over the next ten years approximately 478 serviceable households will be added through the construction of 16.00 miles of sewer line extensions and approximately 3,990 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Bourbon County Fiscal Court	2	$4,350,000	305	-	12.00	-	-
City of Paris	4	$4,795,000	173	3,990	4.00	2.00	2.00
Totals:	**6**	**$9,145,000**	**478**	**3,990**	**16.00**	**2.00**	**2.00**

Public Wastewater Systems in Bourbon County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020940	Millersburg Sewer Department	Bourbon	814	423
KY0031836	North Middletown Sewer Treatment Plant	Bourbon	664	279
KY0090654	Paris Sewer Department	Bourbon	10,102	4,610
		Totals:	11,580	5,312

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BOURBON COUNTY
Kentucky

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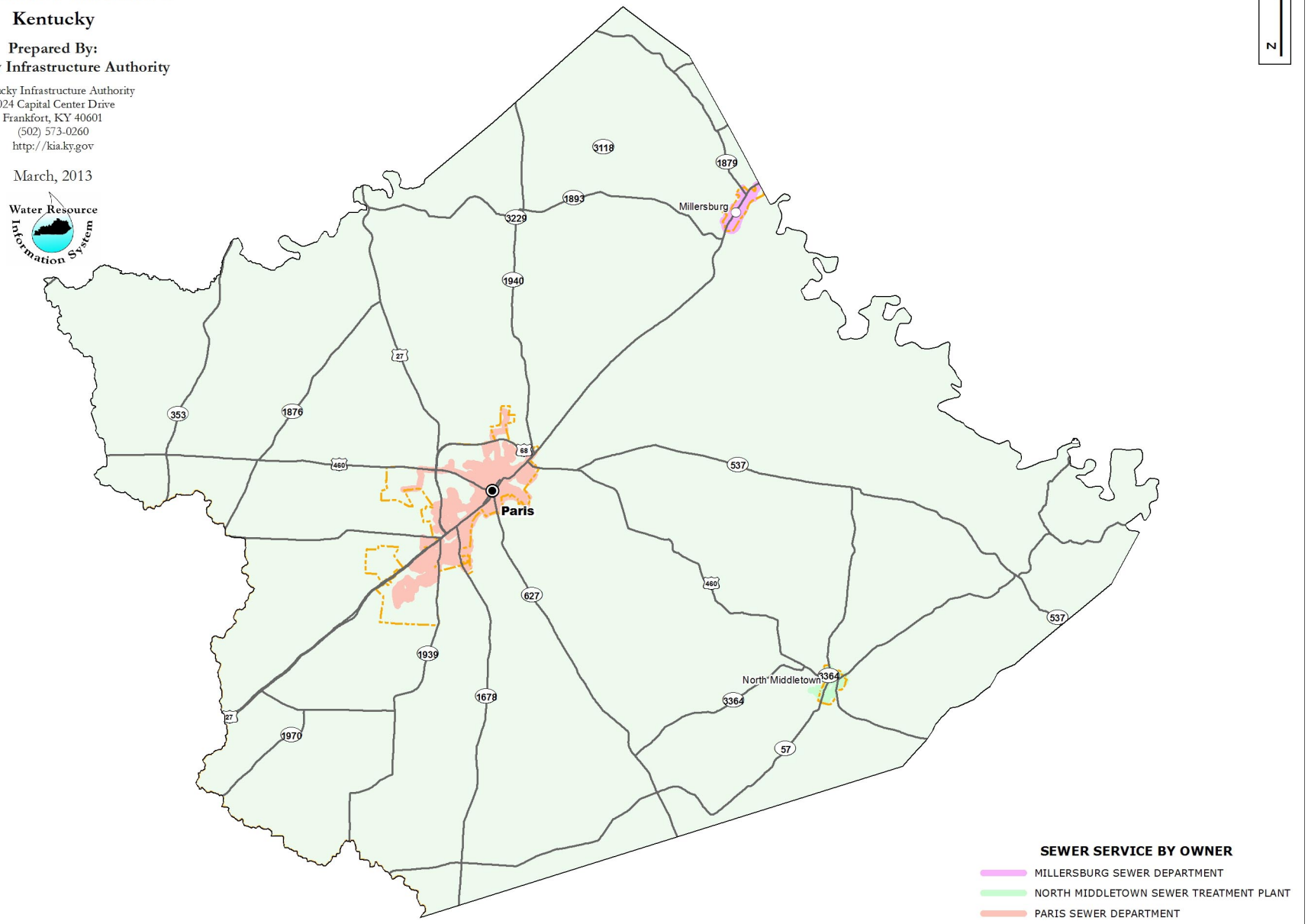
March, 2013



System Summary for Millersburg Sewer Department

Permit ID	KY0020940	Treats Wastewater	Yes, 0.2 MGD with 0.026 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	339
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$46.40	Total KISOP Treated (MG)	-
Residential Customers	320	Total Treated (MG)	41.975
Commercial Customers	6	Number of Manholes	163
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	1	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 6.22 miles (Collection: 5.89 miles, Interceptors: 0.32 miles).			

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

There are no immediate projects for Millersburg Sewer Department

System Summary for North Middletown Sewer Treatment Plant

Permit ID	KY0031836	Treats Wastewater	Yes, 0.085 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	281
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$41.57	Total KISOP Treated (MG)	-
Residential Customers	237	Total Treated (MG)	14.600
Commercial Customers	11	Number of Manholes	90
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	19%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 4.82 miles (Collection: 4.17 miles, Interceptors: 0.64 miles).			

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

There are no immediate projects for North Middletown Sewer Treatment Plant

System Summary for Paris Sewer Department

Permit ID	KY0090654	Treats Wastewater	Yes, 3.3 MGD with 1.742 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,182
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.32	Total KISOP Treated (MG)	-
Residential Customers	4,182	Total Treated (MG)	636.000
Commercial Customers	-	Number of Manholes	1447
Institutional Customers	-	Number of Lift Stations	22
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 60.77 miles (Collection: 53.58 miles, Interceptors: 7.20 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Paris Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21017013	BCFC - Bedford Acres Sanitary Sewer Project Phase 2	0-2 Years	Not Funded	$1,850,000	Bourbon	8	2
SX21017004	City of Paris - Claysville Trunk Sewer Replacement Project, Phase II	0-2 Years	Not Funded	$1,825,000	Bourbon	12	3
SX21017010	City of Paris-Southern Hills Sanitary Sewer Collection Project	3-5 Years	Not Funded	$1,820,000	Bourbon	13	5
SX21017005	City of Paris-Mill Run Road & Cathy Drive Sanitary Sewer Project	3-5 Years	Not Funded	$900,000	Bourbon	26	7
SX21017009	Bourbon County Fiscal Court - Centerville Sewer Project	0-2 Years	Partially Funded	$2,500,000	Bourbon	31	8
SX21017015	City of Paris Rehab Sanitary Sewer Mains	0-2 Years	Not Funded	$250,000	Bourbon	34	4

System Summary for Turfland MHP

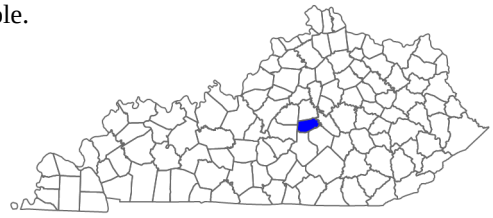
Permit ID	KY0076562	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Turfland MHP

Boyle County

- 2010 census population of 28,432 (12,312 households) with 70% serviceable.
- Projected 2020 population of 29,048 (change of 616).
- Boyle County has 154.73 miles of existing sewer lines.
- 15.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,866,906.
- Estimated funding needs for projects from 6 to 10 years: $2,500,000.



Boyle County has a 2010 census population count of 28,432 (12,312 households) with a projected 2020 population count of 29,048 (11,782 households). Public sewer is currently available to approximately 70 percent of the county's households based on 2010 census counts. Over the next ten years approximately 270 serviceable households will be added through the construction of 15.00 miles of sewer line extensions and approximately 15,019 instances of improved service through system wide upgrades. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Danville	4	$15,841,230	205	15,019	13.00	-	1.00
Mercer County Sanitation District	1	$1,525,676	65	-	2.00	-	-
Totals:	**5**	**$17,366,906**	**270**	**15,019**	**15.00**	**-**	**1.00**

Public Wastewater Systems in Boyle County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028355	Danville - Perryville WWTP	Boyle	881	412
KY0057193	Danville Municipal Sewer System	Boyle	19,020	8,236
		Totals:	19,901	8,648

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BOYLE COUNTY
Kentucky

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Kentucky Infrastructure Authority

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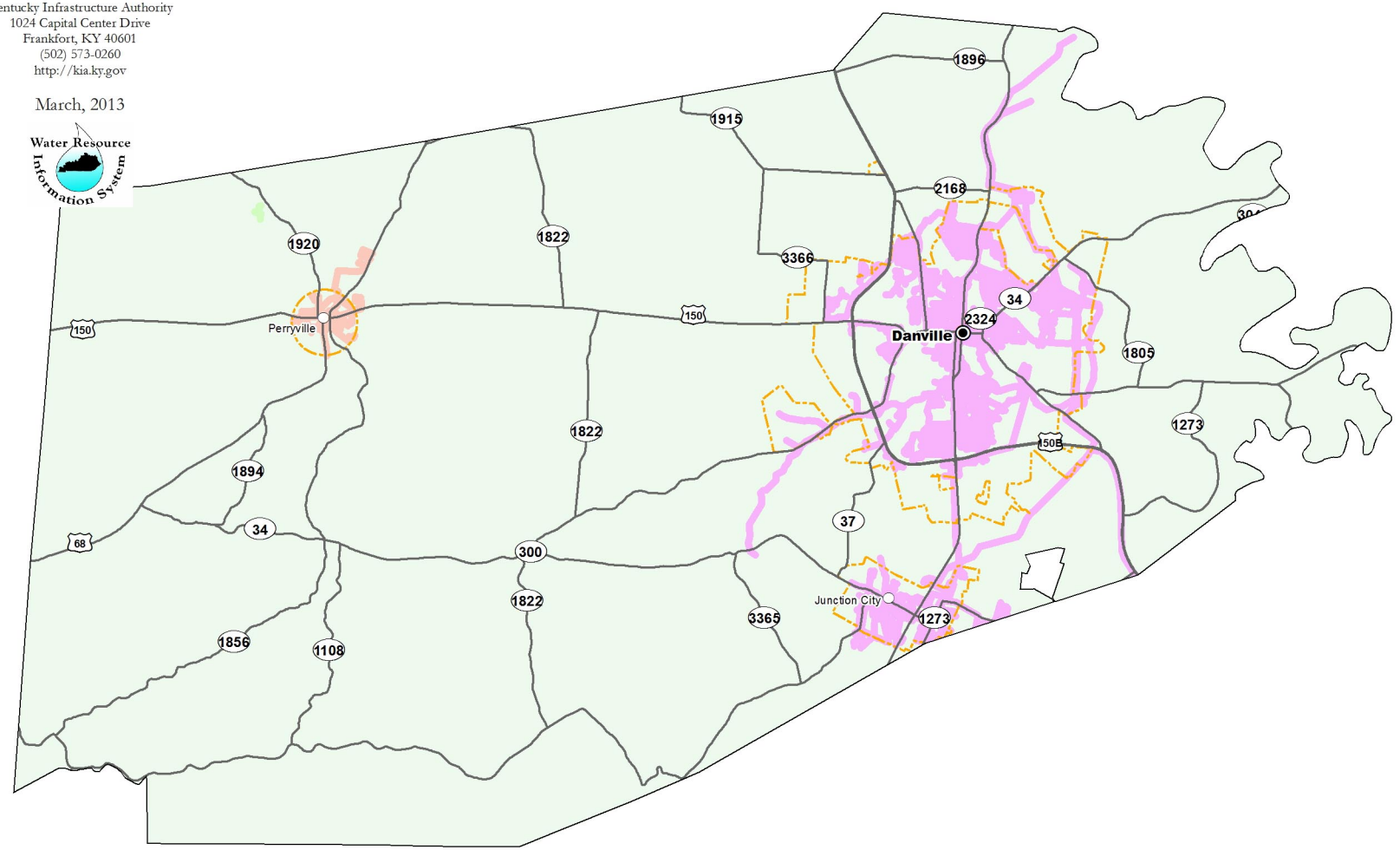


System Summary for Danville - Perryville WWTP

Permit ID	KY0028355	Treats Wastewater	Yes, 0.27 MGD with 0.175 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	406
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.54	Total KISOP Treated (MG)	-
Residential Customers	326	Total Treated (MG)	71.900
Commercial Customers	25	Number of Manholes	146
Institutional Customers	1	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 9.65 miles (Collection: 8.09 miles, Interceptors: 1.56 miles).			

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

There are no immediate projects for Danville - Perryville WWTP

System Summary for Danville Municipal Sewer System

Permit ID	KY0057193	Treats Wastewater	Yes, 6.5 MGD with 5.214 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	6,850
Owner Type	Incorporated City	KISOP Sender	No
Employees	13	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$14.20	Total KISOP Treated (MG)	-
Residential Customers	4,900	Total Treated (MG)	1,192.000
Commercial Customers	862	Number of Manholes	1200
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	16	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 60% Constructed
Total Collection System Line Length = 147.83 miles (Collection: 133.72 miles, Interceptors: 14.11 miles).			

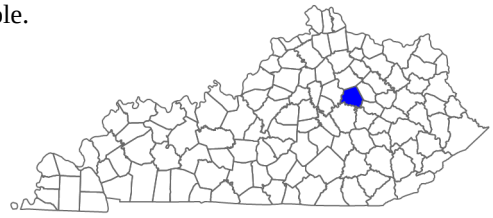
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Danville Municipal Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21021004	Danville Major Sewer System Rehabilitation	3-5 Years	Not Funded	$1,740,000	Boyle	22	2
SX21021006	Danville - Wastewater Treatment Plant Improvements	0-2 Years	Partially Funded	$11,182,230	Boyle		
SX21021005	Danville Bluegrass Estates-Weisiger Project	6-10 Years	Not Funded	$2,500,000	Boyle		
SX21021014	Perryville Wastewater Treatment Plant Ugrades Phase II	3-5 Years	Not Funded	$503,250	Boyle		
SX21021002	Danville East Main Sewer Force Main and Pump Station	0-2 Years	Not Funded	$419,000	Boyle		

Clark County

- 2010 census population of 35,613 (15,706 households) with 71% serviceable.
- Projected 2020 population of 37,985 (change of 2,372).
- Clark County has 173.74 miles of existing sewer lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $17,006,455.
- Estimated funding needs for projects from 6 to 10 years: $19,248,250.



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 sewer is currently available to approximately 71 percent of the county's households based on 2010 census counts. Over the next ten years approximately 139 serviceable households will be added through the construction of 13.00 miles of sewer line extensions and approximately 252 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 14.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Winchester Municipal Utilities Commission	13	$36,254,705	139	252	13.00	3.00	14.00
Totals:	**13**	**$36,254,705**	**139**	**252**	**13.00**	**3.00**	**14.00**

Public Wastewater Systems in Clark County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0037991	Winchester Municipal Utilities	Clark	25,141	11,106
		Totals:	25,141	11,106

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CLARK COUNTY
Kentucky

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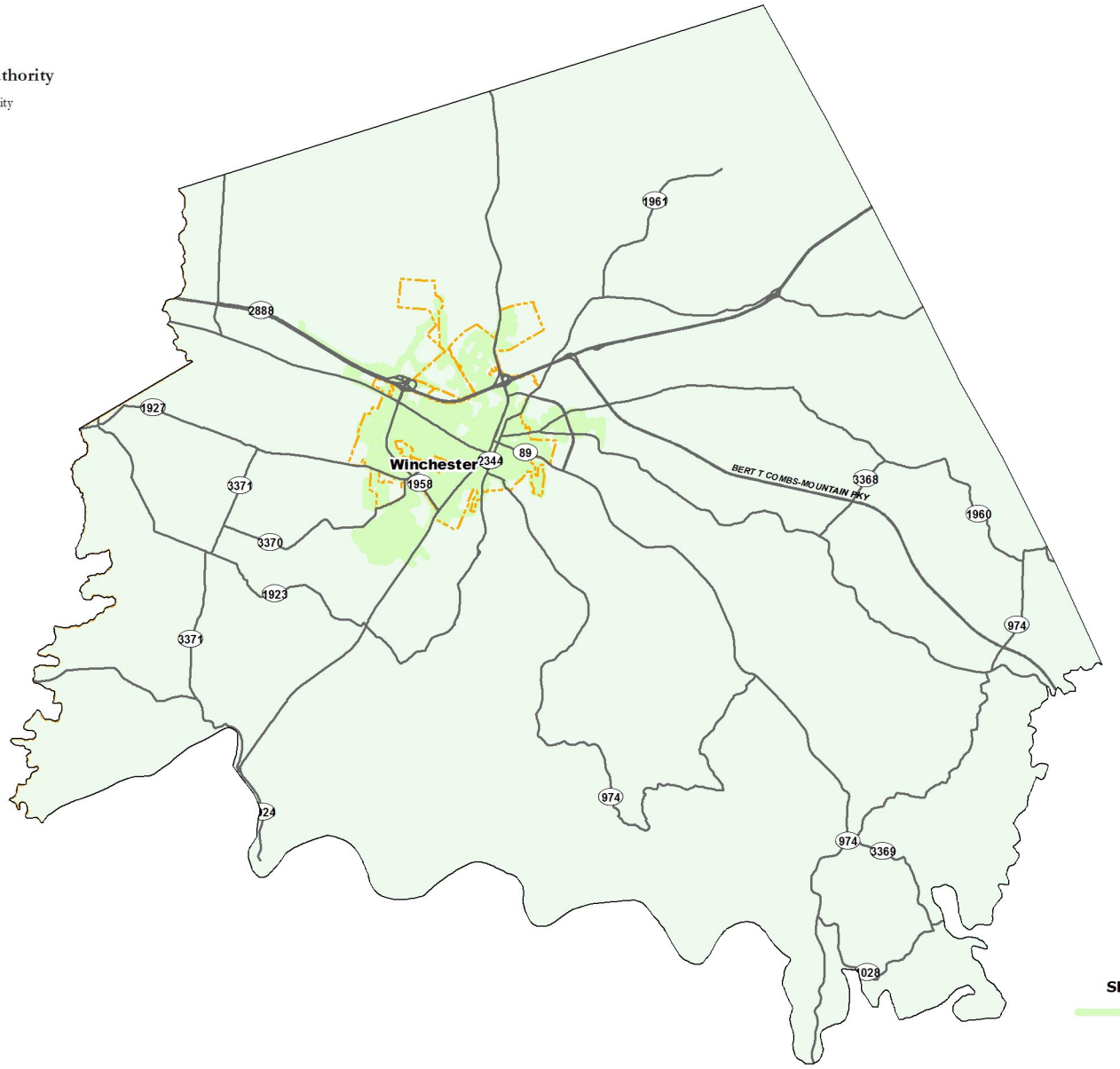
March, 2013

Water Resource Information System



System Summary for Rockwell Village Subd

Permit ID	KY0076597	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.06 miles (Collection: 0.06 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Rockwell Village Subd

System Summary for Verna Hills Subdivision

Permit ID	KY0042757	Treats Wastewater	Yes, 0.065 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Verna Hills Subdivision

System Summary for Winchester Municipal Utilities

Permit ID	KY0108740	Treats Wastewater	Yes, 2 MGD with 0.93 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.70	Total KISOP Treated (MG)	-
Residential Customers	10,556	Total Treated (MG)	324.710
Commercial Customers	794	Number of Manholes	3923
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	54	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed

Total Collection System Line Length = 3.92 miles (Collection: 0.48 miles, Interceptors: 3.44 miles).

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

There are no immediate projects for Winchester Municipal Utilities

System Summary for Winchester Municipal Utilities

Permit ID	KY0037991	Treats Wastewater	Yes, 7.2 MGD with 4.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,702
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.70	Total KISOP Treated (MG)	-
Residential Customers	10,556	Total Treated (MG)	1,368.340
Commercial Customers	794	Number of Manholes	3923
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	54	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed

Total Collection System Line Length = 169.63 miles (Collection: 139.42 miles, Interceptors: 30.21 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
SX21049026	East Interceptor Sanitary Sewer System Rehabilitation	3-5 Years	Not Funded	$6,430,000	Clark	21	2
SX21049025	East Washington Street and Flanagan Street Sanitary Sewer System Improvements	3-5 Years	Not Funded	$2,507,000	Clark	35	5
SX21049027	West Interceptor Sanitary Sewer System Rehabilitation	6-10 Years	Not Funded	$7,730,000	Clark		
SX21049011	Hoods Creek Backbone Interceptor/Pump Station/Force Main	3-5 Years	Not Funded	$6,880,000	Clark		
SX21049007	Hancock Creek Backbone Interceptor/Pump Station/Force Main	6-10 Years	Not Funded	$4,482,250	Clark		
SX21049022	Wayland Heights Subdivision/Hancock Valley Sanitary Sewer Improvements	6-10 Years	Not Funded	$3,026,000	Clark		
SX21049041	North Main Street Sewer Improvements	6-10 Years	Not Funded	$2,584,000	Clark		
SX21049018	WMU-Westchester Manor/Woodford Estates Sanitary Sewer Improvements	6-10 Years	Not Funded	$778,000	Clark		
SX21049043	Westmeade Outfall Sewer	6-10 Years	Not Funded	$648,000	Clark		
SX21049031	Industrial Park Non-Potable Water Line	3-5 Years	Not Funded	$425,000	Clark		
SX21049040	Lynnway Drive Sewer Improvements, Phase II	3-5 Years	Not Funded	$413,000	Clark		
SX21049042	West Washington Street Sewer Improvements	3-5 Years	Not Funded	$200,000	Clark		
SX21049033	Winchester - Lincoln Street Redevelopment Project - Sewer	0-2 Years	Not Funded	$151,455	Clark		

System Summary for Yorktowne Estates MHP

Permit ID	KY0023400	Treats Wastewater	Yes, 0.0625 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Yorktowne Estates MHP

Estill County

- 2010 census population of 14,672 (6,865 households) with 33% serviceable.
- Projected 2020 population of 14,359 (change of -313).
- Estill County has 47.59 miles of existing sewer lines.
- 8.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,560,000.
- Estimated funding needs for projects from 6 to 10 years: $43,313,000.

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 sewer is currently available to approximately 33 percent of the county's households based on 2010 census counts. Over the next ten years approximately 240 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 366 instances of improved service through system wide upgrades. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Irvine	4	$4,560,000	237	366	8.00	-	1.00
Northern Madison Sanitation District	1	$43,313,000	3	-	-	-	-
Totals:	**5**	**$47,873,000**	**240**	**366**	**8.00**	**-**	**1.00**

Public Wastewater Systems in Estill County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025909	Irvine Municipal Utilities	Estill	4,656	2,280
		Totals:	4,656	2,280

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ESTILL COUNTY
Kentucky

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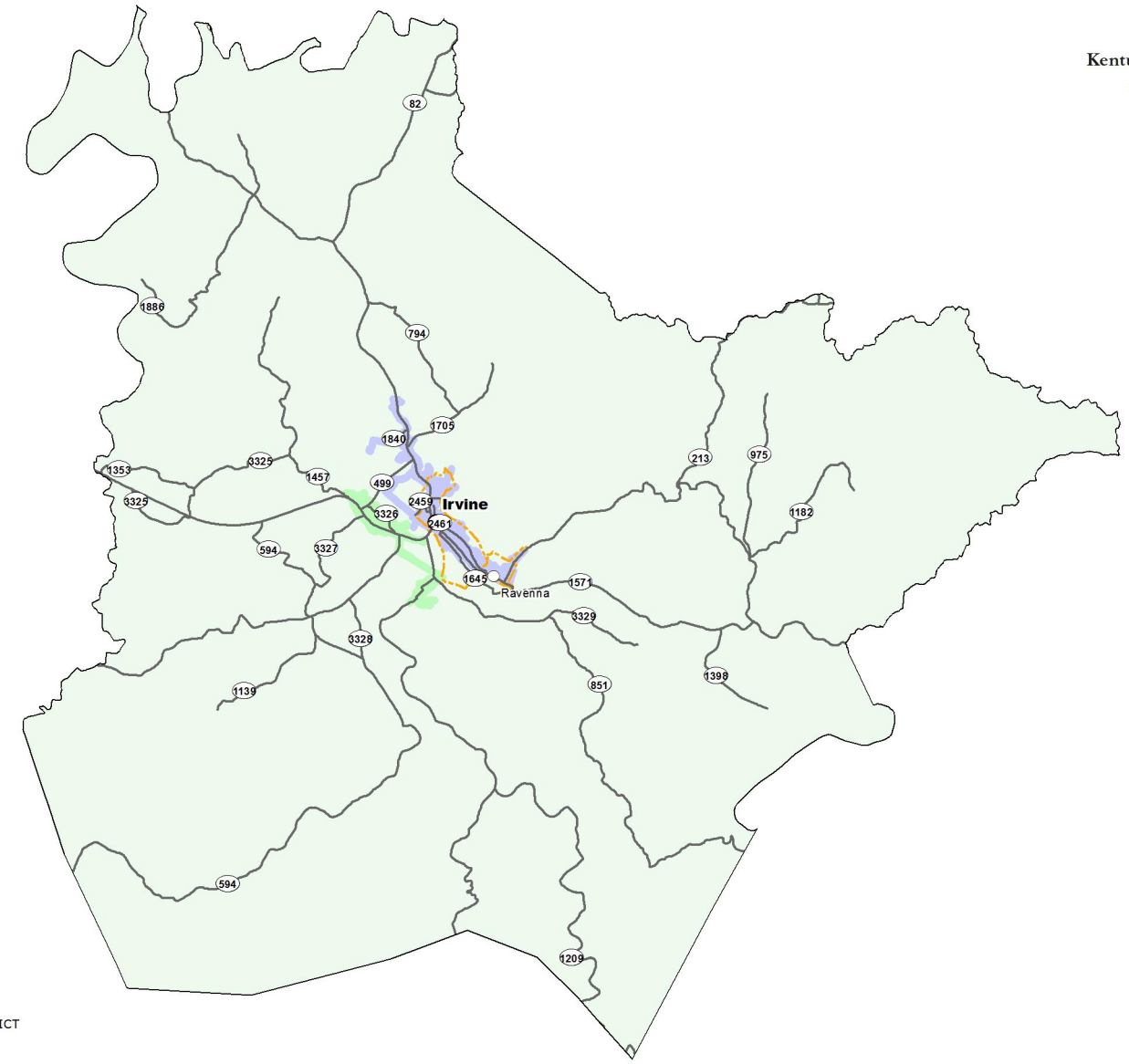


SEWER SERVICE BY OWNER

- ESTILL COUNTY WATER DISTRICT
- IRVINE MUNICIPAL UTILITIES

System Summary for Irvine Municipal Utilities

Permit ID	KY0025909	Treats Wastewater	Yes, 8 MGD with 0.657 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,505
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.88	Total KISOP Treated (MG)	-
Residential Customers	1,817	Total Treated (MG)	239.805
Commercial Customers	239	Number of Manholes	550
Institutional Customers	3	Number of Lift Stations	15
Industrial Customers	1	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 47.29 miles (Collection: 39.63 miles, Interceptors: 7.66 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
SX21065008	Kelly Pump Station 6-Inch Force Main Replacement - Imu	3-5 Years	Not Funded	$250,000	Estill	9	3
SX21065007	Covey Road Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	$201,000	Estill	33	7
SX21065006	Wall Street Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	$309,000	Estill	36	6
SX21065002	Wisemantown Sewer Extensions	0-2 Years	Partially Funded	$3,800,000	Estill		

System Summary for Lazy Acres MHP

Permit ID	KY0093408	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.27 miles (Collection: 0.27 miles, Interceptors: 0.00 miles).			

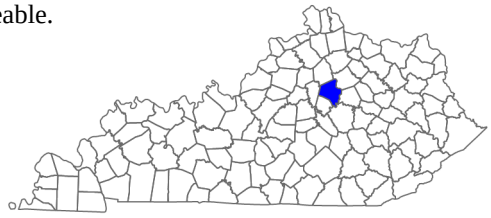
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lazy Acres MHP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21065002	Wisemantown Sewer Extensions	0-2 Years	Partially Funded	$3,800,000	Estill		

Fayette County

- 2010 census population of 295,803 (135,160 households) with 97% serviceable.
- Projected 2020 population of 334,733 (change of 38,930).
- Fayette County has 1,322.21 miles of existing sewer 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.
- 5.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $91,202,702.
- There are no projects planned from 6 to 10 years.



Fayette County has a 2010 census population count of 295,803 (135,160 households) with a projected 2020 population count of 334,733 (141,152 households). Public sewer is currently available to approximately 97 percent of the county's households based on 2010 census counts. Over the next ten years approximately 104 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 7,200 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 5.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Georgetown	1	$6,500,000	104	-	1.00	-	-
Jessamine-South Elkhorn Water District	1	$450,000	-	-	-	-	-
Lexington-Fayette Urban County Government	14	$84,252,702	-	7,200	3.00	2.00	5.00
Totals:	**16**	**$91,202,702**	**104**	**7,200**	**4.00**	**2.00**	**5.00**

Public Wastewater Systems in Fayette County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021491	LFUCG - Town Branch	Fayette	121,836	54,556
KYP000072	Jessamine South Elkhorn Water District	Jessamine	158	61
KY0021504	LFUCG - West Hickman	Jessamine	164,686	76,635
		Totals:	286,680	131,252

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
FAYETTE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
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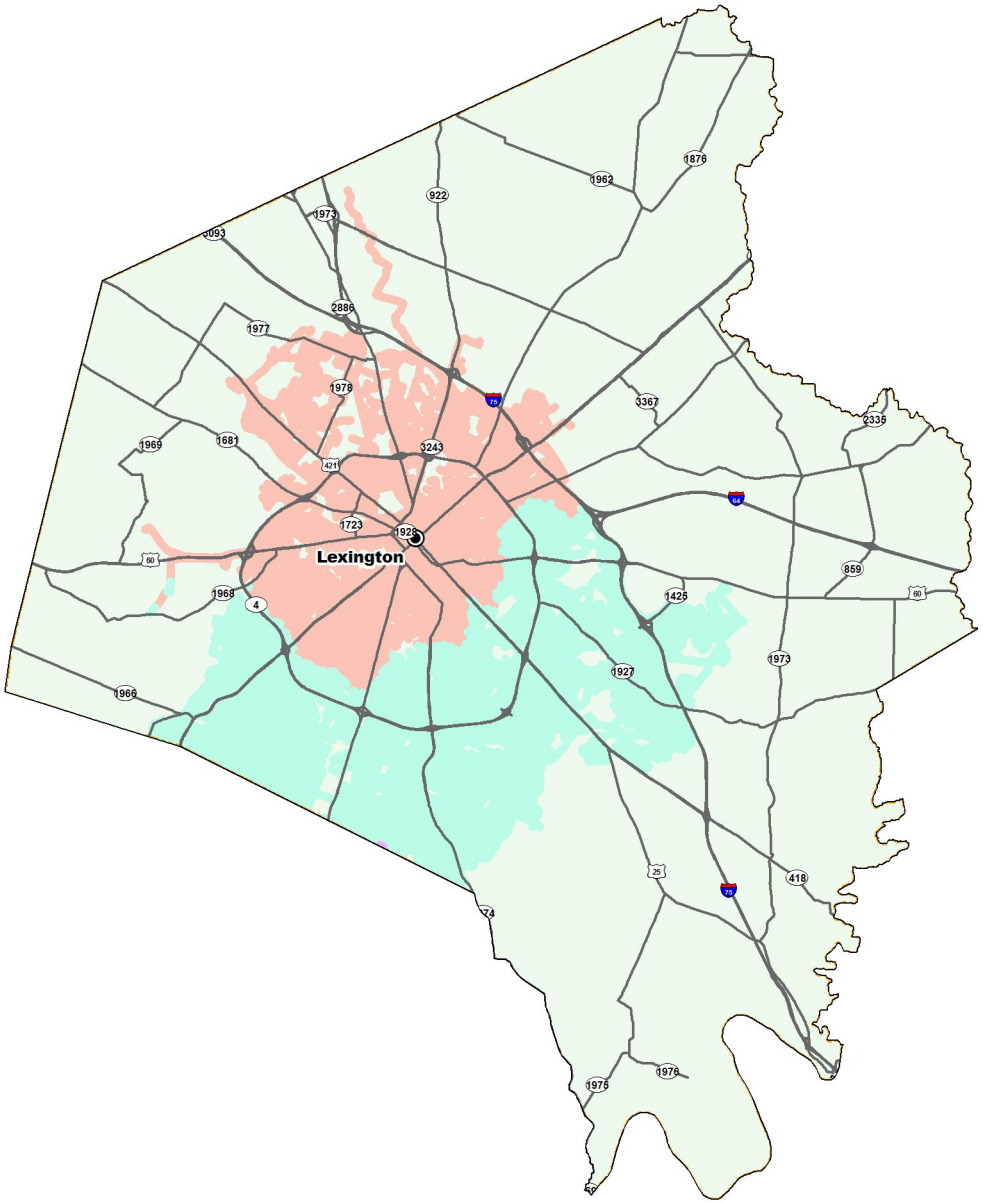
March, 2013



SEWER SERVICE BY OWNER

- JESSAMINE SOUTH ELKHORN WATER DISTRICT
- LFUCG - TOWN BRANCH
- LFUCG - WEST HICKMAN

System Summary for LFUCG - Town Branch

Permit ID	KY0021491	Treats Wastewater	Yes, 30 MGD with 19.758 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	114,727
Owner Type	Incorporated City	KISOP Sender	No
Employees	35	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.25	Total KISOP Treated (MG)	-
Residential Customers	106,033	Total Treated (MG)	6,712.656
Commercial Customers	8,417	Number of Manholes	32828
Institutional Customers	522	Number of Lift Stations	48
Industrial Customers	21	Percent Lines 20 yrs or Older	35%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed

Total Collection System Line Length = 530.20 miles (Collection: 488.73 miles, Interceptors: 41.47 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for LFUCG - Town Branch

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21113018	Windhaven Drive Sewer Collection System	0-2 Years	Not Funded	$450,000	Jessamine	27	3
SX21067002	Expansion Area Three Sanitary Sewer Infrastructure	0-2 Years	Not Funded	$16,888,634	Fayette		
SX21067036	University of Kentucky Nicholasville Road Flood Mitigation Project	0-2 Years	Not Funded	$10,000,000	Fayette		
SX21067047	Various Stormwater Management Projects - Phase 2	0-2 Years	Partially Funded	$4,306,640	Fayette		
SX21067052	UK Trunk A	0-2 Years	Not Funded	$2,832,319	Fayette		
SX21067021	LFUCG - Green Acres Neighborhood Project	0-2 Years	Not Funded	$2,400,000	Fayette		
SX21067058	Tucson/Laramie Area Stormwater Improvements	0-2 Years	Not Funded	$1,920,000	Fayette		
SX21067059	Wilson Downing Road at Wilson Downing Tributary Stormwater Impro	0-2 Years	Not Funded	$907,900	Fayette		
SX21067056	Marquis Drive Cross Connection Elimination	0-2 Years	Not Funded	$636,893	Fayette		
SX21067051	Lower Cane Run Force Main Extension	0-2 Years	Not Funded	$180,112	Fayette		

System Summary for Maple Grove MHP

Permit ID	KY0083321	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Maple Grove MHP

System Summary for Ponderosa MHP

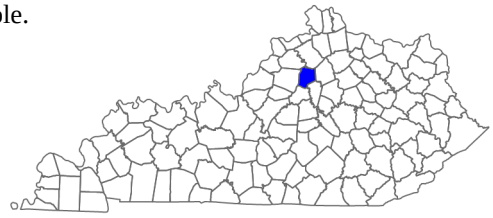
Permit ID	KY0081221	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.08 miles (Collection: 0.08 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ponderosa MHP

Franklin County

- 2010 census population of 49,285 (23,164 households) with 76% serviceable.
- Projected 2020 population of 50,777 (change of 1,492).
- Franklin County has 258.52 miles of existing sewer lines.
- 9.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $49,125,500.
- There are no projects planned from 6 to 10 years.



Franklin County has a 2010 census population count of 49,285 (23,164 households) with a projected 2020 population count of 50,777 (21,761 households). Public sewer is currently available to approximately 76 percent of the county's households based on 2010 census counts. Over the next ten years approximately 360 serviceable households will be added through the construction of 9.00 miles of sewer line extensions and approximately 3,338 instances of improved service through the rehabilitation of 7.00 miles of existing sewer lines and other appurtenances. 5.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Frankfort	16	$28,858,500	14	2,521	2.00	5.00	3.00
Farmdale Sanitation District	9	$20,267,000	346	817	7.00	2.00	2.00
Totals:	**25**	**$49,125,500**	**360**	**3,338**	**9.00**	**7.00**	**5.00**

Public Wastewater Systems in Franklin County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0044351	Coolbrook Subdivision	Franklin	660	256
KY0074977	Edgewood Subdivision	Franklin	188	81
KY0022861	Frankfort Sewer Department	Franklin	34,484	17,084
KY0074802	Ridgewood Sewer District LLC	Franklin	176	67
		Totals:	35,508	17,488

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
FRANKLIN COUNTY
Kentucky

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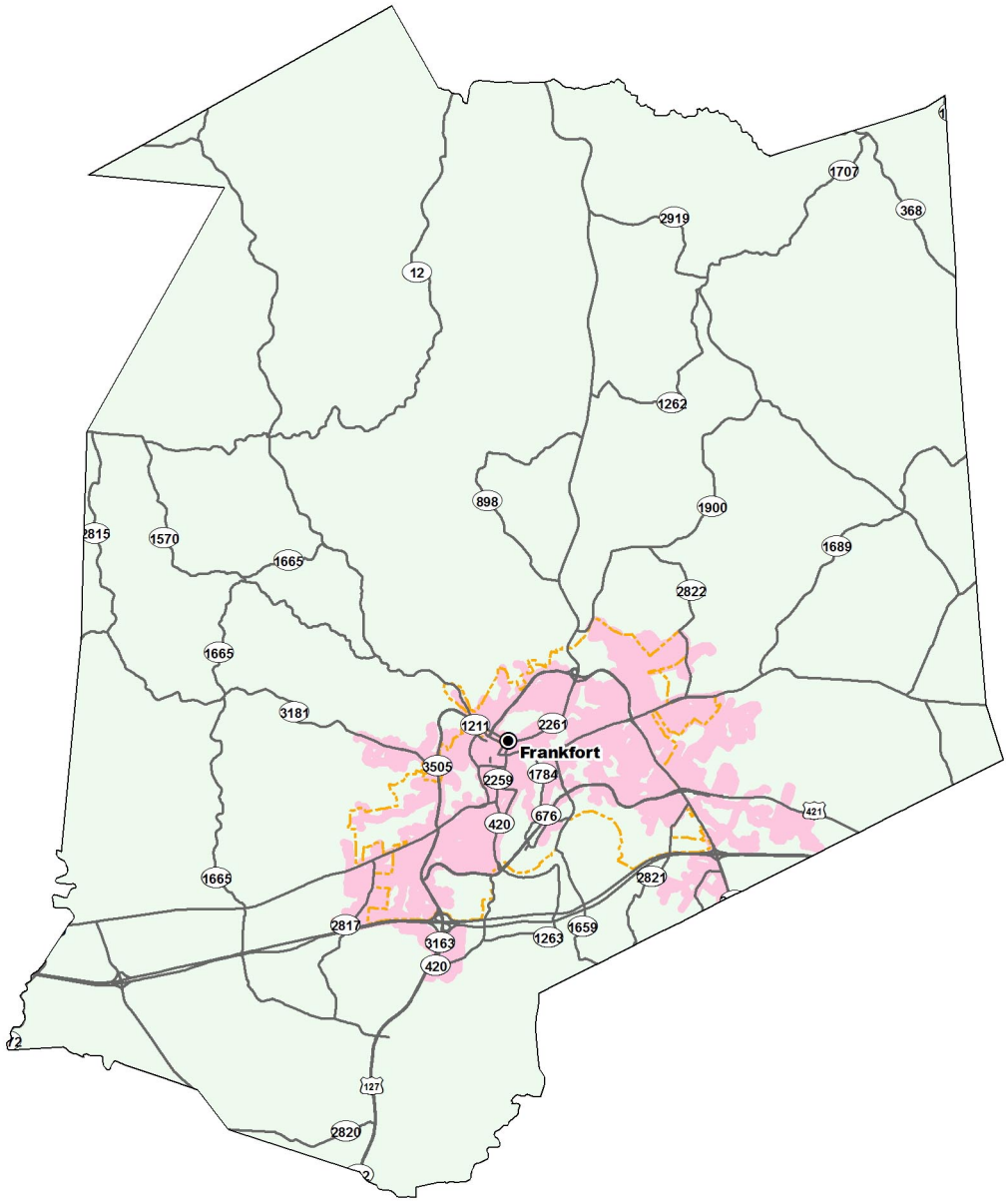


System Summary for Capital MHP

Permit ID	KY0073041	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Capital MHP

System Summary for Coolbrook Subdivision

Permit ID	KY0044351	Treats Wastewater	Yes, 0.17 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.54 miles (Collection: 1.54 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Coolbrook Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073029	Farmdale SD - Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,500,000	Franklin	4	2

System Summary for Edgewood Subdivision

Permit ID	KY0074977	Treats Wastewater	Yes, 0.055 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.69 miles (Collection: 0.69 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Edgewood Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073029	Farmdale SD - Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,500,000	Franklin	4	2

System Summary for Elkhorn MHP

Permit ID	KY0083429	Treats Wastewater	Yes, 0.007 MGD with 0.004 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Elkhorn MHP

System Summary for Evergreen MHP #1

Permit ID	KY0086312	Treats Wastewater	Yes, 0.0015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Evergreen MHP #1

System Summary for Evergreen Sewage Disposal System

Permit ID	KY0078298	Treats Wastewater	Yes, 0.022 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Evergreen Sewage Disposal System

System Summary for Farmdale Subdivision

Permit ID	KY0054780	Treats Wastewater	Yes, 0.08 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073029	Farmdale SD - Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,500,000	Franklin	4	2
SX21073014	Farmdale Sanitation District-SSES & Collection System Repairs	0-2 Years	Not Funded	$500,000	Franklin		

System Summary for Farmgate Subdivision

Permit ID	KY0074969	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Farmgate Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073022	Farmdale Sanitation District-Farmgate Subdivision	0-2 Years	Not Funded	$217,500	Franklin		

System Summary for Fox Run Subdivision Downstream Inc

Permit ID	KY0086967	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.08 miles (Collection: 0.01 miles, Interceptors: 0.08 miles).			

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

There are no immediate projects for Fox Run Subdivision Downstream Inc

System Summary for Frankfort Sewer Department

Permit ID	KY0022861	Treats Wastewater	Yes, 9.9 MGD with 7.846 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	14,003
Owner Type	Incorporated City	KISOP Sender	No
Employees	46	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$38.32	Total KISOP Treated (MG)	-
Residential Customers	12,054	Total Treated (MG)	2,863.900
Commercial Customers	1,936	Number of Manholes	6012
Institutional Customers	-	Number of Lift Stations	48
Industrial Customers	13	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 256.22 miles (Collection: 229.47 miles, Interceptors: 26.75 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Frankfort Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073069	Frankfort Sewer Department WWTP Headworks Replacement	0-2 Years	Not Funded	$5,900,000	Franklin	16	4
SX21073070	Frankfort Sewer Department Capital Avenue River Interceptor	0-2 Years	Not Funded	$1,750,000	Franklin	19	3
SX21073072	Frankfort Sewer Department Buffalo Alley Pump Station Replacemen	0-2 Years	Not Funded	$1,300,000	Franklin	39	5
SX21073047	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	0-2 Years	Not Funded	$1,500,000	Franklin	40	6
SX21073079	Frankfort Sewer Department Mero Street Pump Station Replacement	0-2 Years	Not Funded	$2,050,000	Franklin	41	7
SX21073076	Frankfort - Thornhill Sanitary Sewer Replacement	3-5 Years	Not Funded	$4,026,000	Franklin	42	8
SX21073067	Rolling Acres I&I Phase 1	0-2 Years	Partially Funded	$2,950,000	Franklin		
SX21073020	City of Frankfort/Frankfort Sewer Department-Holmes Street Contract III B-2	0-2 Years	Not Funded	$1,900,000	Franklin		
SX21073077	Frankfort Sewer Department CSO #7 (Ewing St.) Evaluation and Imp	0-2 Years	Not Funded	$1,850,000	Franklin		
SX21073068	FSD - East Main Interceptor Project and Linden Stormwater Management	0-2 Years	Partially Funded	$1,664,000	Franklin		
SX21073009	Miami Trail Pump Station Replacement	0-2 Years	Not Funded	$1,244,000	Franklin		
SX21073061	Louisville Hill Road Stormwater Separation Project Phase 2	0-2 Years	Not Funded	$835,000	Franklin		
SX21073080	Frankfort Sewer Department Signal Ridge/ Buttimer Hill Intercept	0-2 Years	Not Funded	$663,000	Franklin		
SX21073044	Frankfort Sewer Department FSD Inverness SE	0-2 Years	Not Funded	$550,000	Franklin		
SX21073045	Frankfort Sewer Department FSD Old Clover Dale SE	0-2 Years	Not Funded	$150,000	Franklin		
SX21073049	Frankfort Sewer Department FSD Louisville Road At Tanglewood	0-2 Years	Not Funded	$50,000	Franklin		

System Summary for H & M MHP

Permit ID	KY0080632	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.16 miles (Collection: 0.16 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for H & M MHP

System Summary for Huntington Woods Estates

Permit ID	KY0088650	Treats Wastewater	Yes, 0.045 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.01 miles, Interceptors: 0.02 miles).			

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

There are no immediate projects for Huntington Woods Estates

System Summary for Meadowbrook Subdivision

Permit ID	KY0074951	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Meadowbrook Subdivision

System Summary for Ridgewood Sewer District LLC

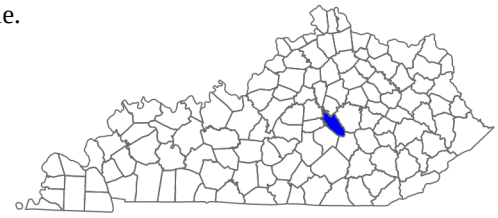
Permit ID	KY0074802	Treats Wastewater	Yes, 0.06 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.47 miles (Collection: 0.47 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ridgewood Sewer District LLC

Garrard County

- 2010 census population of 16,912 (7,463 households) with 25% serviceable.
- Projected 2020 population of 19,122 (change of 2,210).
- Garrard County has 29.44 miles of existing sewer lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,608,420.
- 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 sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 111 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 4,127 instances of improved service through the rehabilitation of 9.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Lancaster	8	$11,368,420	95	4,112	6.00	9.00	-
City of Richmond	1	$1,800,000	6	-	1.00	-	-
Garrard Co Sanitation District	1	$440,000	10	15	-	-	1.00
Totals:	**10**	**$13,608,420**	**111**	**4,127**	**7.00**	**9.00**	**1.00**

Public Wastewater Systems in Garrard County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020974	Lancaster Wastewater Treatment Plant and Sewer Department	Garrard	3,992	1,855
		Totals:	3,992	1,855

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
GARRARD COUNTY
Kentucky

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Kentucky Infrastructure Authority

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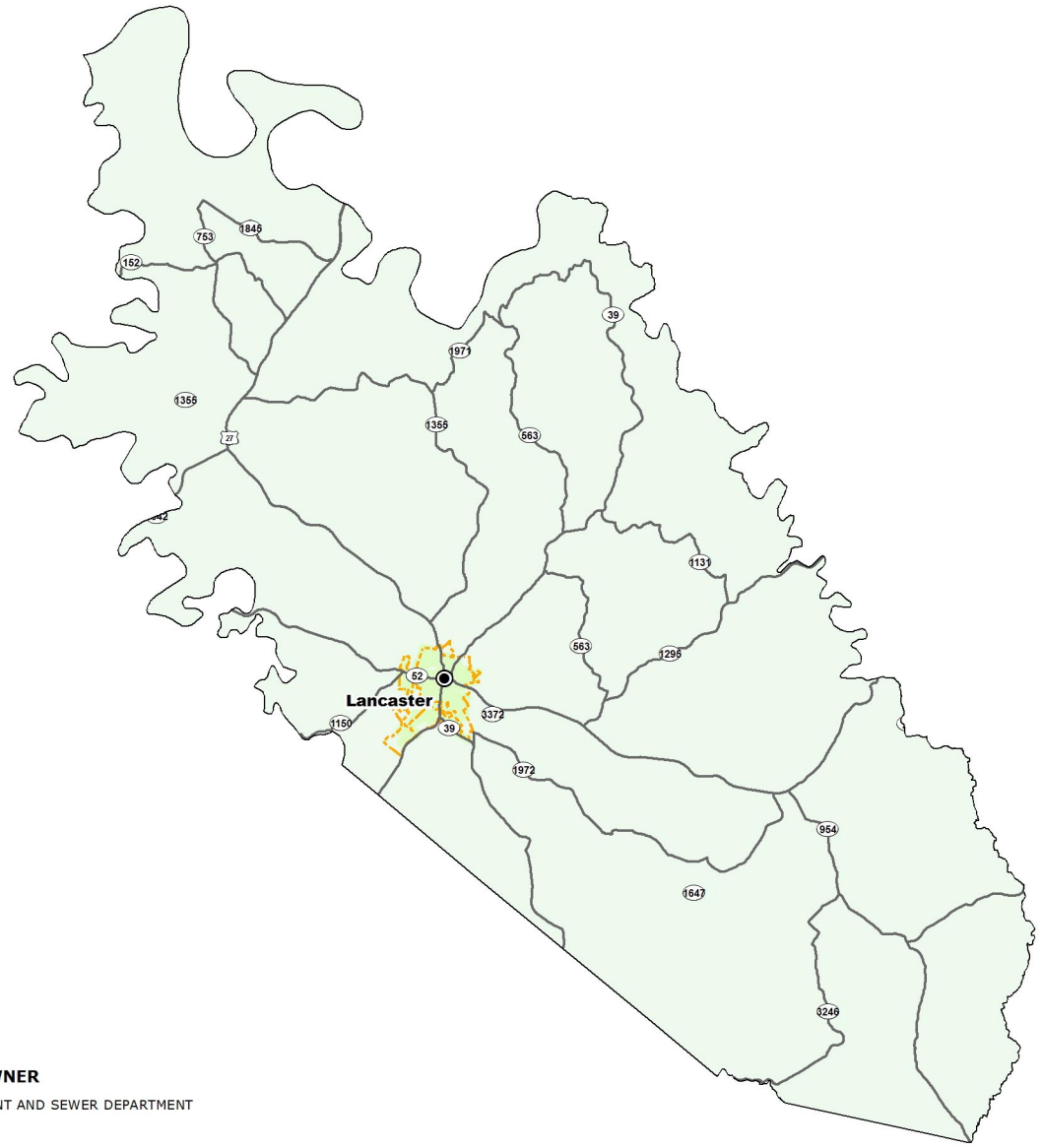
http://kia.ky.gov

March, 2013



SEWER SERVICE BY OWNER

LANCASTER WASTEWATER TREATMENT PLANT AND SEWER DEPARTMENT

System Summary for Herrington Haven Subdivision

Permit ID	KY0053431	Treats Wastewater	Yes, 0.0098 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.35 miles (Collection: 0.35 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Herrington Haven Subdivision

System Summary for Lancaster Wastewater Treatment Plant and Sewer Department

Permit ID	KY0020974	Treats Wastewater	Yes, 1 MGD with 0.473 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,782
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.08	Total KISOP Treated (MG)	-
Residential Customers	1,425	Total Treated (MG)	175.000
Commercial Customers	171	Number of Manholes	486
Institutional Customers	15	Number of Lift Stations	15
Industrial Customers	2	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 29.04 miles (Collection: 23.02 miles, Interceptors: 6.02 miles).			

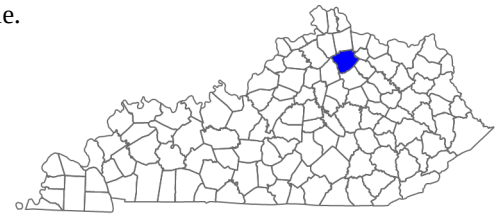
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lancaster Wastewater Treatment Plant and Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21079019	Lancaster Sanitary Sewer Improvements Project	0-2 Years	Not Funded	$5,564,800	Garrard	10	3
SX21079014	Garrard Co SD - Paint Lick Sewer System - Phase 1	0-2 Years	Partially Funded	$440,000	Garrard	32	6
SX21079015	Lancaster Sewer Line Extension to Industrial Park	0-2 Years	Not Funded	$403,550	Garrard	38	5
SX21079018	Lancaster Wastewater Collection System Rehab Project	0-2 Years	Not Funded	$3,192,200	Garrard		
SX21079011	Lancaster - Sewer Line Extension - Merriwood Estates	0-2 Years	Not Funded	$886,530	Garrard		
SX21079010	Lancaster - Sewer Line Extension - Glenmore Estates	0-2 Years	Not Funded	$557,590	Garrard		
SX21079009	Lancaster - Sewer Line Extension - US 27 North	0-2 Years	Not Funded	$506,750	Garrard		
SX21079016	Lancaster Sewer Line Replacement	0-2 Years	Not Funded	$157,000	Garrard		
SX21079013	Lancaster Utility Security Improvements Part B	0-2 Years	Not Funded	$100,000	Garrard		

Harrison County

- 2010 census population of 18,846 (8,208 households) with 39% serviceable.
- Projected 2020 population of 19,640 (change of 794).
- Harrison County has 48.29 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $432,000.
- There are no projects planned from 6 to 10 years.



Harrison County has a 2010 census population count of 18,846 (8,208 households) with a projected 2020 population count of 19,640 (8,006 households). Public sewer is currently available to approximately 39 percent of the county's households based on 2010 census counts. Over the next ten years approximately 37 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Cynthiana	1	$432,000	-	37	-	-	-
Totals:	**1**	**$432,000**	**-**	**37**	**-**	**-**	**-**

Public Wastewater Systems in Harrison County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
05011006	Berry Sewer System	Harrison	288	118
KY0076635	Cedarbrook Subdivision	Harrison	131	45
KY0105856	Cynthiana Sewer Department	Harrison	6,581	3,044
		Totals:	7,000	3,207

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HARRISON COUNTY
Kentucky

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Kentucky Infrastructure Authority

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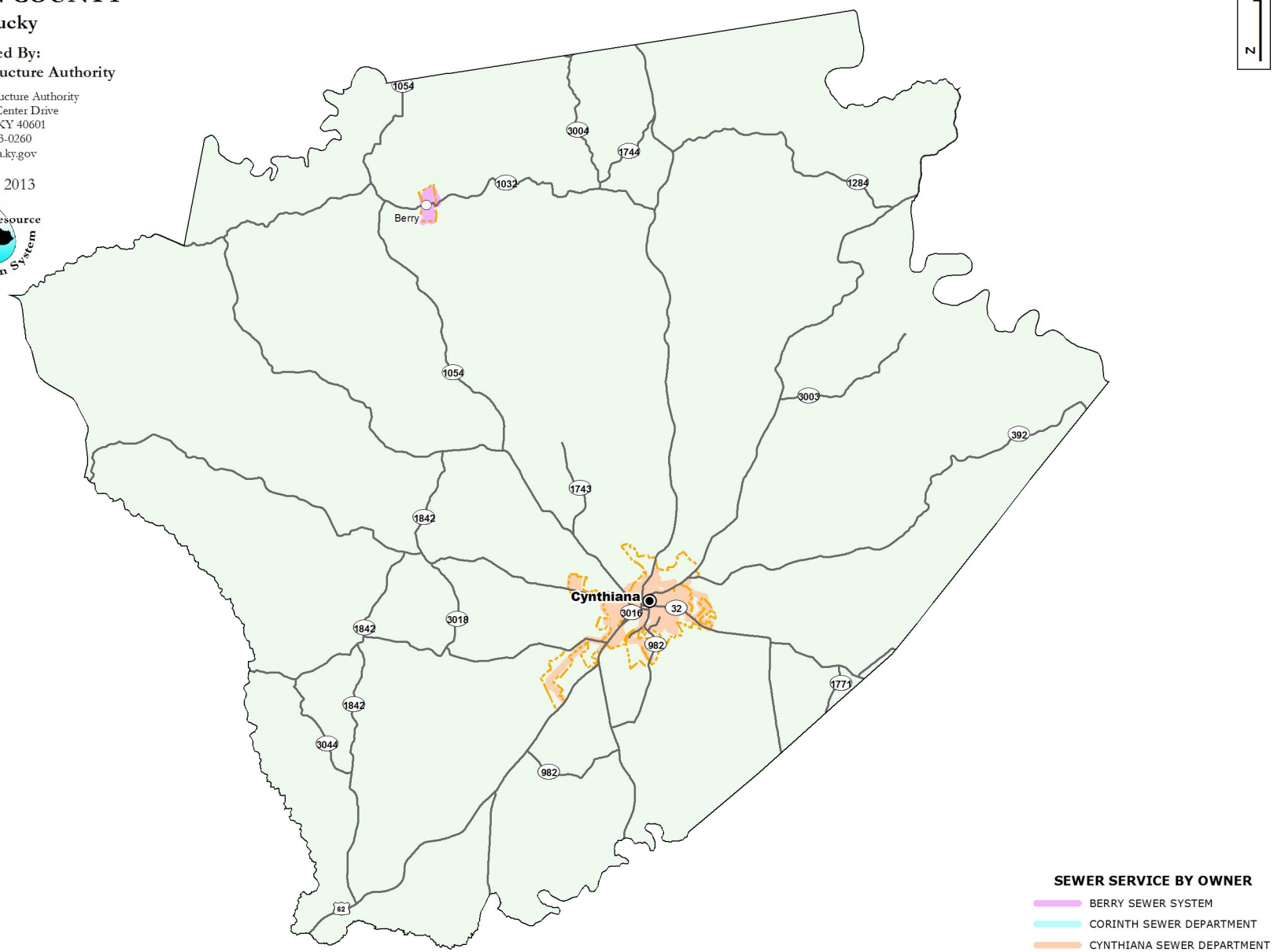
March, 2013



System Summary for Berry Sewer System

Permit ID	05011006	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	105
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$52.00	Total KISOP Treated (MG)	-
Residential Customers	99	Total Treated (MG)	8.395
Commercial Customers	2	Number of Manholes	73
Institutional Customers	4	Number of Lift Stations	69
Industrial Customers	-	Percent Lines 20 yrs or Older	98%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 3.95 miles (Collection: 3.95 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Berry Sewer System

System Summary for Brian Wilson Properties

Permit ID	KY0095583	Treats Wastewater	Yes, 0.0025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Brian Wilson Properties

System Summary for Cedarbrook Subdivision

Permit ID	KY0076635	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	52
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	52	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	11
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.76 miles (Collection: 0.76 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Cedarbrook Subdivision

System Summary for Cynthiana Sewer Department

Permit ID	KY0105856	Treats Wastewater	Yes, 2 MGD with 0.71 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,700
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.80	Total KISOP Treated (MG)	-
Residential Customers	2,136	Total Treated (MG)	272.655
Commercial Customers	239	Number of Manholes	729
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	9	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 43.20 miles (Collection: 33.83 miles, Interceptors: 9.38 miles).			

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

There are no immediate projects for Cynthiana Sewer Department

System Summary for Northside Estates LLC MHP

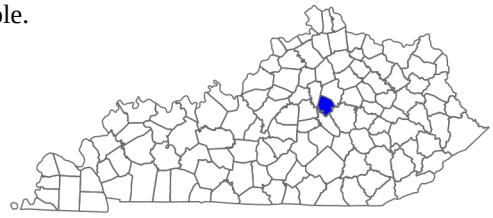
Permit ID	KY0076651	Treats Wastewater	Yes, 0.012 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	62	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Northside Estates LLC MHP

Jessamine County

- 2010 census population of 48,586 (19,331 households) with 75% serviceable.
- Projected 2020 population of 58,928 (change of 10,342).
- Jessamine County has 191.52 miles of existing sewer lines.
- 7.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $93,906,242.
- There are no projects planned from 6 to 10 years.



Jessamine County has a 2010 census population count of 48,586 (19,331 households) with a projected 2020 population count of 58,928 (22,184 households). Public sewer is currently available to approximately 75 percent of the county's households based on 2010 census counts. Over the next ten years approximately 338 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 2,058 instances of improved service through the rehabilitation of 2.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Nicholasville	3	$2,417,500	115	53	2.00	1.00	-
City of Wilmore	3	$15,240,000	-	2,005	-	1.00	-
Jessamine-South Elkhorn Water District	5	$4,945,000	223	-	5.00	-	-
Lexington-Fayette Urban County Government	1	$71,303,742	-	-	-	-	-
Totals:	**12**	**$93,906,242**	**338**	**2,058**	**7.00**	**2.00**	**-**

Public Wastewater Systems in Jessamine County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000072	Jessamine South Elkhorn Water District	Jessamine	1,509	680
KY0021504	LFUCG - West Hickman	Jessamine	254	102
KY0100404	Nicholasville Sewer Department	Jessamine	29,008	11,814
KY0028428	Wilmore Sewer Department	Jessamine	5,243	1,843
		Totals:	36,014	14,439

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
JESSAMINE COUNTY
Kentucky

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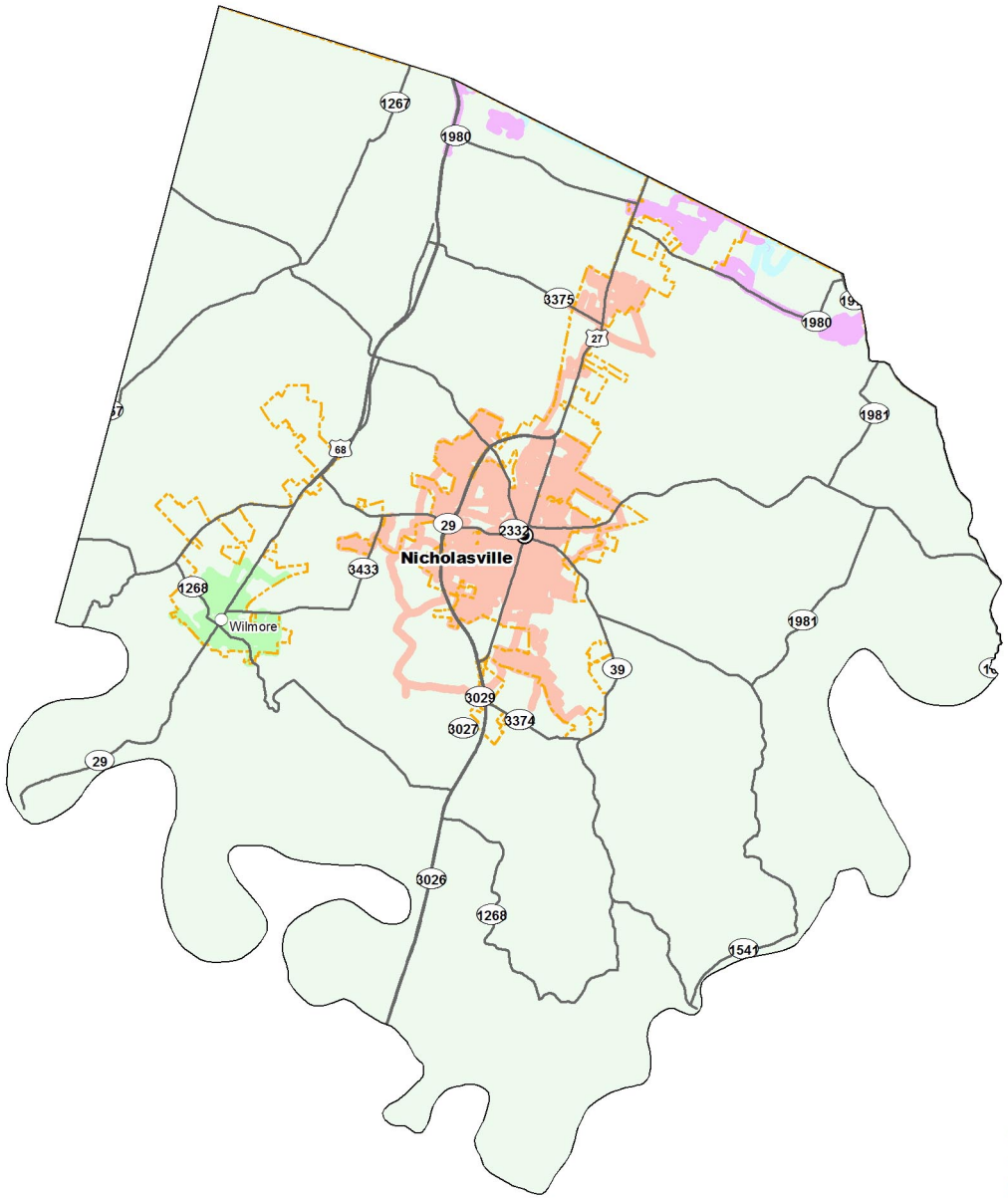


SEWER SERVICE BY OWNER

- JESSAMINE SOUTH ELKHORN WATER DISTRICT
- LFUCG - WEST HICKMAN
- NICHOLASVILLE SEWER DEPARTMENT
- WILMORE SEWER DEPARTMENT

System Summary for Jessamine South Elkhorn Water District

Permit ID	KYP000072	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	719
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	53.092
Cost Per 4000 Gallons	$47.20	Total KISOP Treated (MG)	-
Residential Customers	546	Total Treated (MG)	-
Commercial Customers	99	Number of Manholes	496
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 23.25 miles (Collection: 22.18 miles, Interceptors: 1.07 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21113001	Keene Wastewater Pump Station and Collection System	0-2 Years	Not Funded	$2,945,000	Jessamine		

System Summary for LFUCG - West Hickman

Permit ID	KY0021504	Treats Wastewater	Yes, 33.87 MGD with 20.39 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	114,867
Owner Type	Incorporated City	KISOP Sender	No
Employees	32	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.25	Total KISOP Treated (MG)	53.092
Residential Customers	106,033	Total Treated (MG)	6,376.550
Commercial Customers	8,417	Number of Manholes	0
Institutional Customers	522	Number of Lift Stations	30
Industrial Customers	21	Percent Lines 20 yrs or Older	0%
KISOP Customers	1	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 796.15 miles (Collection: 769.60 miles, Interceptors: 26.56 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for LFUCG - West Hickman

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21067048	West Hickman WWTP Wet Weather Storage Tanks - Phase 1	0-2 Years	Partially Funded	$71,303,742	Fayette	2	2
SX21067053	West Hickman Subbasin WH-7 WWS Tank	0-2 Years	Not Funded	$19,087,695	Fayette		
SX21067054	West Hickman Main Trunk B	0-2 Years	Not Funded	$9,487,363	Fayette		
SX21067017	Expansion Area 1 - LFUCG	0-2 Years	Not Funded	$8,600,000	Fayette		
SX21067013	Comprehensive Sanitary Sewer Project-Remaining Unswered Areas, Phase 3	0-2 Years	Not Funded	$3,300,000	Fayette		
SX21067015	LFUCG-East Hickman Pump Station Expansion and Rehabilitation	0-2 Years	Not Funded	$3,100,000	Fayette		
SX21067059	Wilson Downing Road at Wilson Downing Tributary Stormwater Impro	0-2 Years	Not Funded	$907,900	Fayette		
SX21067055	LFUCG - Idle Hour Trunk	0-2 Years	Not Funded	$785,258	Fayette		

System Summary for Nicholasville Sewer Department

Permit ID	KY0100404	Treats Wastewater	Yes, 4.1 MGD with 3.996 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,033
Owner Type	Incorporated City	KISOP Sender	No
Employees	16	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.49	Total KISOP Treated (MG)	-
Residential Customers	10,132	Total Treated (MG)	1,324.790
Commercial Customers	795	Number of Manholes	3901
Institutional Customers	-	Number of Lift Stations	15
Industrial Customers	25	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 141.14 miles (Collection: 135.01 miles, Interceptors: 6.13 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21113020	Cedar Hill Estates Sewer Collection System	3-5 Years	Not Funded	$1,000,000	Jessamine		
SX21113023	Nicholasville II-Carolyn Lane Sewer Main Extension	0-2 Years	Not Funded	$1,000,000	Jessamine		
SX21113027	Nicholasville - Orchard SSO Relief and Brittany Heights Lift Station Elimination Project	0-2 Years	Partially Funded	$967,500	Jessamine		
SX21113022	Nicholasville I - Vincewood Drive Sewer Main Extension	0-2 Years	Not Funded	$450,000	Jessamine		

System Summary for Wilmore Sewer Department

Permit ID	KY0028428	Treats Wastewater	Yes, 1 MGD with 0.683 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,676
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.83	Total KISOP Treated (MG)	-
Residential Customers	1,595	Total Treated (MG)	214.604
Commercial Customers	46	Number of Manholes	495
Institutional Customers	27	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	66%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 22.38 miles (Collection: 18.69 miles, Interceptors: 3.69 miles).			

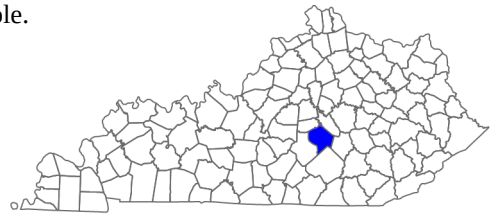
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wilmore Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21113026	Wilmore Wastewater Collection System Rehabilitation - Phase 2	0-2 Years	Not Funded	$530,000	Jessamine	5	1
SX21113003	Wilmore Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	$11,000,000	Jessamine		
SX21113025	Wilmore WWTP Sludge Handling Improvements	0-2 Years	Partially Funded	$3,710,000	Jessamine		
SX21113017	Sewer Master Plan With Asset Management Jessamine South Elkhorn	3-5 Years	Not Funded	$100,000	Jessamine		

Lincoln County

- 2010 census population of 24,742 (10,819 households) with 25% serviceable.
- Projected 2020 population of 26,170 (change of 1,428).
- Lincoln County has 59.71 miles of existing sewer lines.
- 23.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $17,435,420.
- There are no projects planned from 6 to 10 years.



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 sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 641 serviceable households will be added through the construction of 23.00 miles of sewer line extensions and approximately 1,160 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Crab Orchard	3	$1,714,000	50	710	4.00	1.00	-
City of Eubank	1	$3,225,000	20	-	-	-	-
City of Stanford	1	$5,326,420	189	-	12.00	-	-
Lincoln County Fiscal Court	2	$280,000	19	-	1.00	-	-
Lincoln County Sanitation District	1	$4,870,000	363	-	6.00	-	1.00
Stanford Water Commission	1	$2,020,000	-	450	-	3.00	-
Totals:	**9**	**$17,435,420**	**641**	**1,160**	**23.00**	**4.00**	**1.00**

Public Wastewater Systems in Lincoln County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0065897	Crab Orchard Sewer Department	Lincoln	894	447
KY0024619	Stanford Sewer Department	Lincoln	4,851	2,142
KY0057193	Danville Municipal Sewer System	Boyle	206	103
		Totals:	5,951	2,692

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LINCOLN COUNTY
Kentucky

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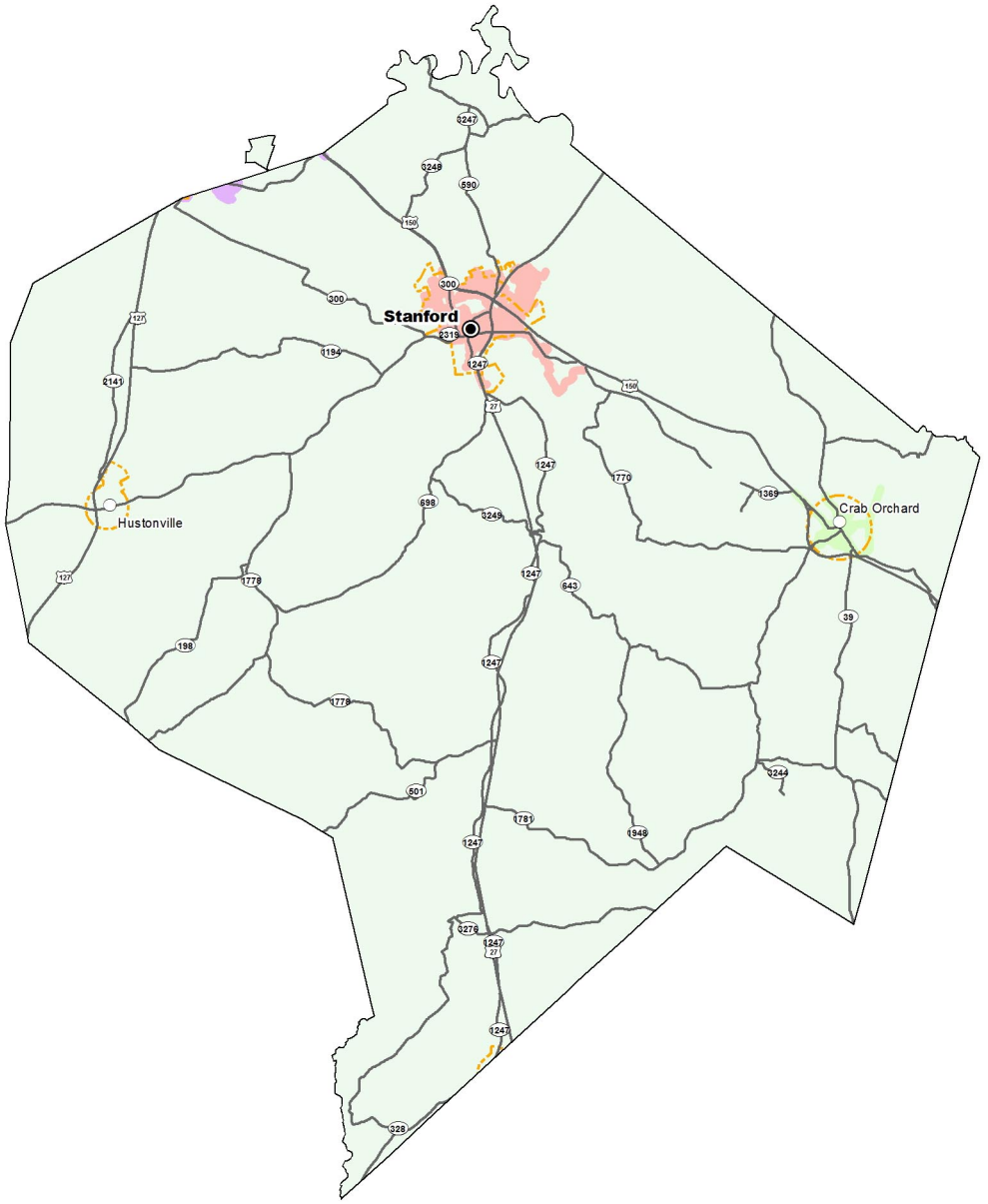


System Summary for Crab Orchard Sewer Department

Permit ID	KY0065897	Treats Wastewater	Yes, 0.11 MGD with 0.105 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	314
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.00	Total KISOP Treated (MG)	-
Residential Customers	282	Total Treated (MG)	45.826
Commercial Customers	31	Number of Manholes	136
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 11.10 miles (Collection: 9.99 miles, Interceptors: 1.10 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Crab Orchard Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21137016	Crab Orchard Sewer Line Rehab - Phase I	0-2 Years	Not Funded	$727,000	Lincoln		
SX21137021	Crab Orchard - William Whitley Road Sanitary Sewers	0-2 Years	Not Funded	$712,000	Lincoln		
SX21137020	Crab Orchard UV Replacement	0-2 Years	Not Funded	$275,000	Lincoln		

System Summary for Hustonville Elderly Apartments

Permit ID	KY0097713	Treats Wastewater	Yes, 0.0035 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Hustonville Elderly Apartments

System Summary for Stanford Sewer Department

Permit ID	KY0024619	Treats Wastewater	Yes, 1.2 MGD with 1.256 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,971
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.40	Total KISOP Treated (MG)	-
Residential Customers	1,774	Total Treated (MG)	458.263
Commercial Customers	196	Number of Manholes	895
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed

Total Collection System Line Length = 45.20 miles (Collection: 42.02 miles, Interceptors: 3.18 miles).

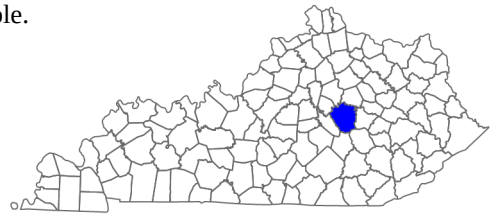
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Stanford Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21137019	Lincoln County Fiscal Court - Rowland Sanitary Sewer Extension	0-2 Years	Not Funded	$130,000	Lincoln	15	4
SX21137015	Stanford - US 27 South Sewer Expansion Project	0-2 Years	Not Funded	$5,326,420	Lincoln	37	7
SX21137022	Stanford Sewer Rehabilitation - Phase I	0-2 Years	Not Funded	$2,020,000	Lincoln		
SX21137012	Lincoln County Industrial Park Ss Extension-Phase I	0-2 Years	Not Funded	$150,000	Lincoln		
SX21137018	Lincoln Co. Fiscal Court - US 27 Sanitary Sewer Extensino (Fire	0-2 Years	Not Funded	$35,000	Lincoln		

Madison County

- 2010 census population of 82,916 (35,043 households) with 63% serviceable.
- Projected 2020 population of 95,333 (change of 12,417).
- Madison County has 340.75 miles of existing sewer lines.
- 124.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 56.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $32,901,854.
- Estimated funding needs for projects from 6 to 10 years: $48,939,000.



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 sewer is currently available to approximately 63 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,084 serviceable households will be added through the construction of 124.00 miles of sewer line extensions and approximately 933 instances of improved service through the rehabilitation of 9.00 miles of existing sewer lines and other appurtenances. 56.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Berea	1	$1,600,000	-	171	-	3.00	-
City of Richmond	9	$19,179,854	150	298	-	4.00	8.00
Northern Madison Sanitation District	16	$61,061,000	2,934	464	124.00	2.00	48.00
Totals:	**26**	**$81,840,854**	**3,084**	**933**	**124.00**	**9.00**	**56.00**

Public Wastewater Systems in Madison County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0079898	Berea Sewer Department	Madison	14,190	5,881
KY0102971	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,313	563
KY0056561	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	193	88
KYP000071	Northern Madison County Sanitation District - Muddy Creek WWTP	Madison	790	362
KY0105376	Northern Madison County Sanitation District - Regional Plant	Madison	2,662	1,028
KY0107107	Richmond Utilities - Otter Creek	Madison	31,846	13,956
KY0103357	Richmond Utilities - Silver Creek	Madison	396	228
		Totals:	51,390	22,106

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MADISON COUNTY
Kentucky

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Kentucky Infrastructure Authority

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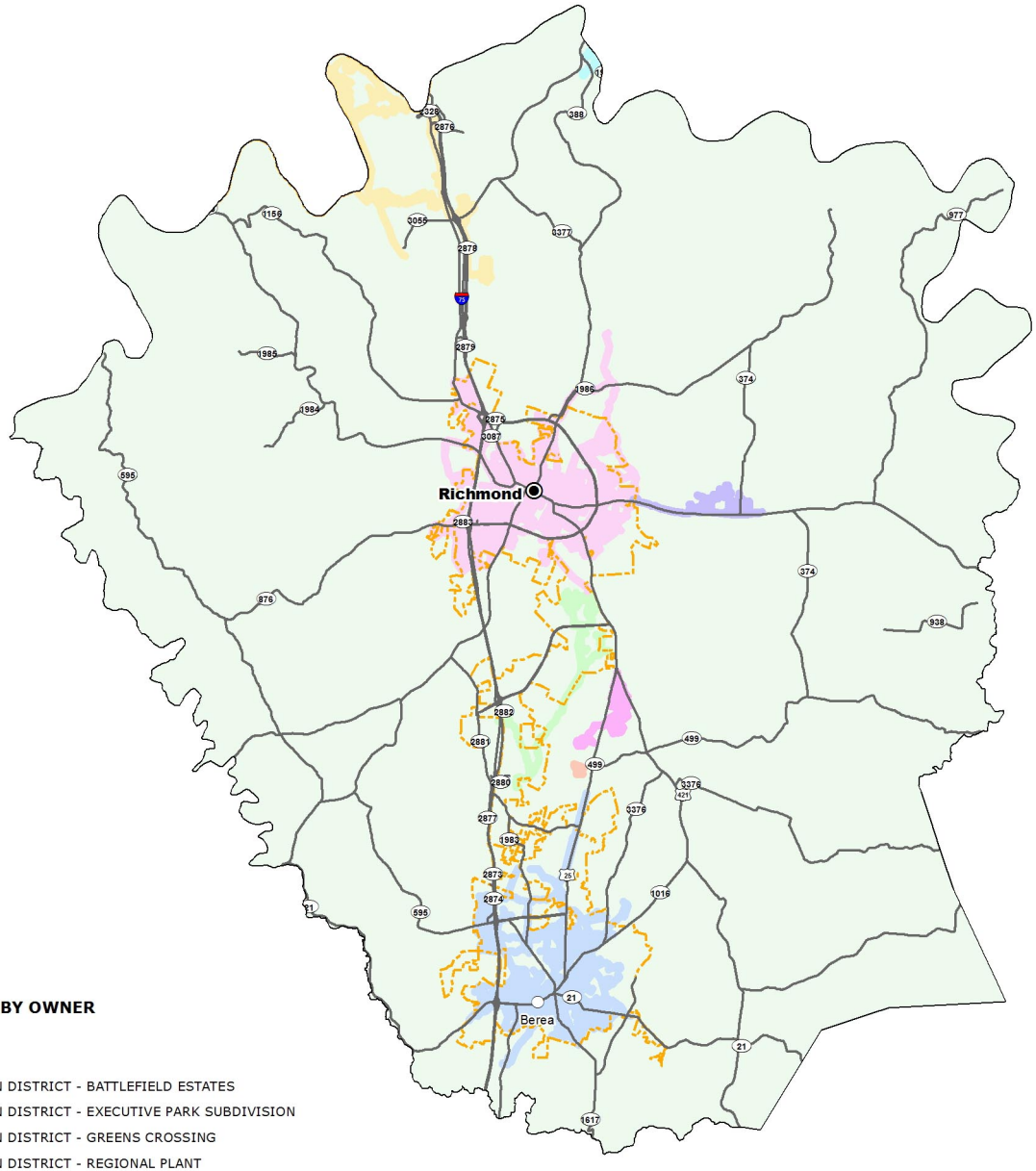
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BEREA SEWER DEPARTMENT
- FORT BOONESBOROUGH STATE PARK
- NORTHERN MADISON COUNTY SANITATION DISTRICT - BATTLEFIELD ESTATES
- NORTHERN MADISON COUNTY SANITATION DISTRICT - EXECUTIVE PARK SUBDIVISION
- NORTHERN MADISON COUNTY SANITATION DISTRICT - GREENS CROSSING
- NORTHERN MADISON COUNTY SANITATION DISTRICT - REGIONAL PLANT
- RICHMOND UTILITIES - OTTER CREEK
- RICHMOND UTILITIES - SILVER CREEK

System Summary for Berea Sewer Department

Permit ID	KY0079898	Treats Wastewater	Yes, 4.32 MGD with 2.92 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,894
Owner Type	Incorporated City	KISOP Sender	No
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.32	Total KISOP Treated (MG)	-
Residential Customers	5,374	Total Treated (MG)	1,200.000
Commercial Customers	520	Number of Manholes	2246
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	67%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 103.68 miles (Collection: 102.51 miles, Interceptors: 1.17 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Berea Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21151045	Berea Gravity Sewer Rehabilitation	0-2 Years	Not Funded	$1,600,000	Madison		

System Summary for Brocklyn Subdivision

Permit ID	KY0081299	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Brocklyn Subdivision

System Summary for Muddy Creek WWTP

Permit ID	KY0111449	Treats Wastewater	Yes, 0.2 MGD with 0.061 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 3.05 miles (Collection: 0.02 miles, Interceptors: 3.03 miles).			

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

There are no immediate projects for Muddy Creek WWTP

System Summary for Northern Madison County Sanitation District - Battlefield Estates

Permit ID	KY0102971	Treats Wastewater	Yes, 0.114 MGD with 0.074 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	479
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$60.07	Total KISOP Treated (MG)	-
Residential Customers	466	Total Treated (MG)	27.010
Commercial Customers	13	Number of Manholes	175
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 9.37 miles (Collection: 8.40 miles, Interceptors: 0.97 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Northern Madison County Sanitation District - Battlefield Estates

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21151039	NMCSD - Madison Village Collection System Rehab	0-2 Years	Not Funded	$1,525,000	Madison	6	1
SX21151037	Terrill Wastewater Collection System Extension	3-5 Years	Not Funded	$383,000	Madison		

System Summary for Northern Madison County Sanitation District - Executive Park Subdivision

Permit ID	KY0056561	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	73
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$60.07	Total KISOP Treated (MG)	-
Residential Customers	73	Total Treated (MG)	4.380
Commercial Customers	-	Number of Manholes	21
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	72%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 1.12 miles (Collection: 0.85 miles, Interceptors: 0.27 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Northern Madison County Sanitation District - Executive Park Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21151043	Northern Madison County Sanitation District Shady Hills and Cherry Trace Wastewater Collection System Extension	6-10 Years	Not Funded	$1,270,000	Madison		
SX21151044	City of Richmond - Otter Creek WWTP - Oculus System	0-2 Years	Not Funded	$739,854	Madison		
SX21151031	Executive Park Sewer Rehab	6-10 Years	Not Funded	$200,000	Madison		

System Summary for Northern Madison County Sanitation District - Muddy Creek WWTP

Permit ID	KYP000071	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	330
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	15.600
Cost Per 4000 Gallons	$60.30	Total KISOP Treated (MG)	-
Residential Customers	319	Total Treated (MG)	5.840
Commercial Customers	11	Number of Manholes	124
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 10.89 miles (Collection: 7.01 miles, Interceptors: 3.88 miles).			

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

There are no immediate projects for Northern Madison County Sanitation District - Muddy Creek WWTP

System Summary for Northern Madison County Sanitation District - Regional Plant

Permit ID	KY0105376	Treats Wastewater	Yes, 1 MGD with 0.144 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	935
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$60.30	Total KISOP Treated (MG)	-
Residential Customers	902	Total Treated (MG)	52.670
Commercial Customers	33	Number of Manholes	243
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	76%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed

Total Collection System Line Length = 32.59 miles (Collection: 28.09 miles, Interceptors: 4.50 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Northern Madison County Sanitation District - Regional Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21151022	Boone Village Wastewater Collection System	3-5 Years	Not Funded	$730,000	Madison	28	6
SX21151003	NMCSD - Expansion of Wastewater Plant	6-10 Years	Not Funded	$43,313,000	Madison		
SX21151002	Northern Madison County Sanitation District - Expanded I-75 Area	3-5 Years	Not Funded	$6,279,000	Madison		
SX21151033	Quail West Wastewater Collection System	6-10 Years	Not Funded	$1,750,000	Madison		
SX21151025	Mockingbird Hill Wastewater Collection System	3-5 Years	Not Funded	$1,090,000	Madison		
SX21151024	Waterford Place Wastewater Collection System	6-10 Years	Not Funded	$900,000	Madison		
SX21151029	Walnut Grove & Woodland Estates Wastewater	3-5 Years	Not Funded	$740,000	Madison		
SX21151028	Simpson Lane Wastewater System	3-5 Years	Not Funded	$725,000	Madison		
SX21151023	Traditions Wastewater Collection System	3-5 Years	Not Funded	$650,000	Madison		
SX21151026	Lexington Heights Wastewater Colleciton System	6-10 Years	Not Funded	$530,000	Madison		
SX21151030	Wells Ridge Wastewater Collection	6-10 Years	Not Funded	$490,000	Madison		
SX21151027	Pinnur Acres Wastewater Collection System	6-10 Years	Not Funded	$486,000	Madison		

System Summary for Richmond Utilities - Otter Creek

Permit ID	KY0107107	Treats Wastewater	Yes, 8 MGD with 5.18 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,600
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.21	Total KISOP Treated (MG)	15.600
Residential Customers	10,300	Total Treated (MG)	1,704.550
Commercial Customers	1,274	Number of Manholes	4228
Institutional Customers	15	Number of Lift Stations	28
Industrial Customers	10	Percent Lines 20 yrs or Older	52%
KISOP Customers	1	Has Facility Plan	Yes, 98% Constructed

Total Collection System Line Length = 158.09 miles (Collection: 140.49 miles, Interceptors: 17.60 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Richmond Utilities - Otter Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21151053	Richmond - TC15 Overflow Elimination Project	0-2 Years	Not Funded	$1,348,000	Madison		
SX21151051	Water Street Stormwater Improvements, Phase 2	0-2 Years	Not Funded	$1,150,000	Madison		
SX21151007	Richmond Utilities SSES - Otter Creek Outfall Area	3-5 Years	Not Funded	$500,000	Madison		

System Summary for Richmond Utilities - Silver Creek

Permit ID	KY0103357	Treats Wastewater	Yes, 1 MGD with 0.367 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,500
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.21	Total KISOP Treated (MG)	-
Residential Customers	30	Total Treated (MG)	106.580
Commercial Customers	1,150	Number of Manholes	371
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	15	Percent Lines 20 yrs or Older	10%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed

Total Collection System Line Length = 20.05 miles (Collection: 10.17 miles, Interceptors: 9.88 miles).

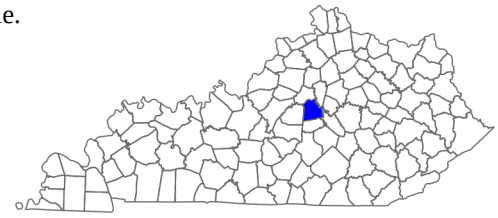
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Richmond Utilities - Silver Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21151054	Richmond - Silver Creek Outfall Sewer, Phase I	0-2 Years	Not Funded	$10,142,000	Madison	24	3

Mercer County

- 2010 census population of 21,331 (9,941 households) with 44% serviceable.
- Projected 2020 population of 21,810 (change of 479).
- Mercer County has 71.38 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,028,926.
- There are no projects planned from 6 to 10 years.



Mercer County has a 2010 census population count of 21,331 (9,941 households) with a projected 2020 population count of 21,810 (9,299 households). Public sewer is currently available to approximately 44 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12 serviceable households will be added through the construction of 1.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Danville	1	$503,250	-	-	-	-	-
Mercer County Sanitation District	1	$1,525,676	12	-	1.00	-	-
Totals:	**2**	**$2,028,926**	**12**	**-**	**1.00**	**-**	**-**

Public Wastewater Systems in Mercer County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0027421	Harrodsburg Sewer Department	Mercer	8,704	4,088
KYP000080	Mercer County Sanitation District	Mercer	571	285
		Totals:	9,275	4,373

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MERCER COUNTY
Kentucky

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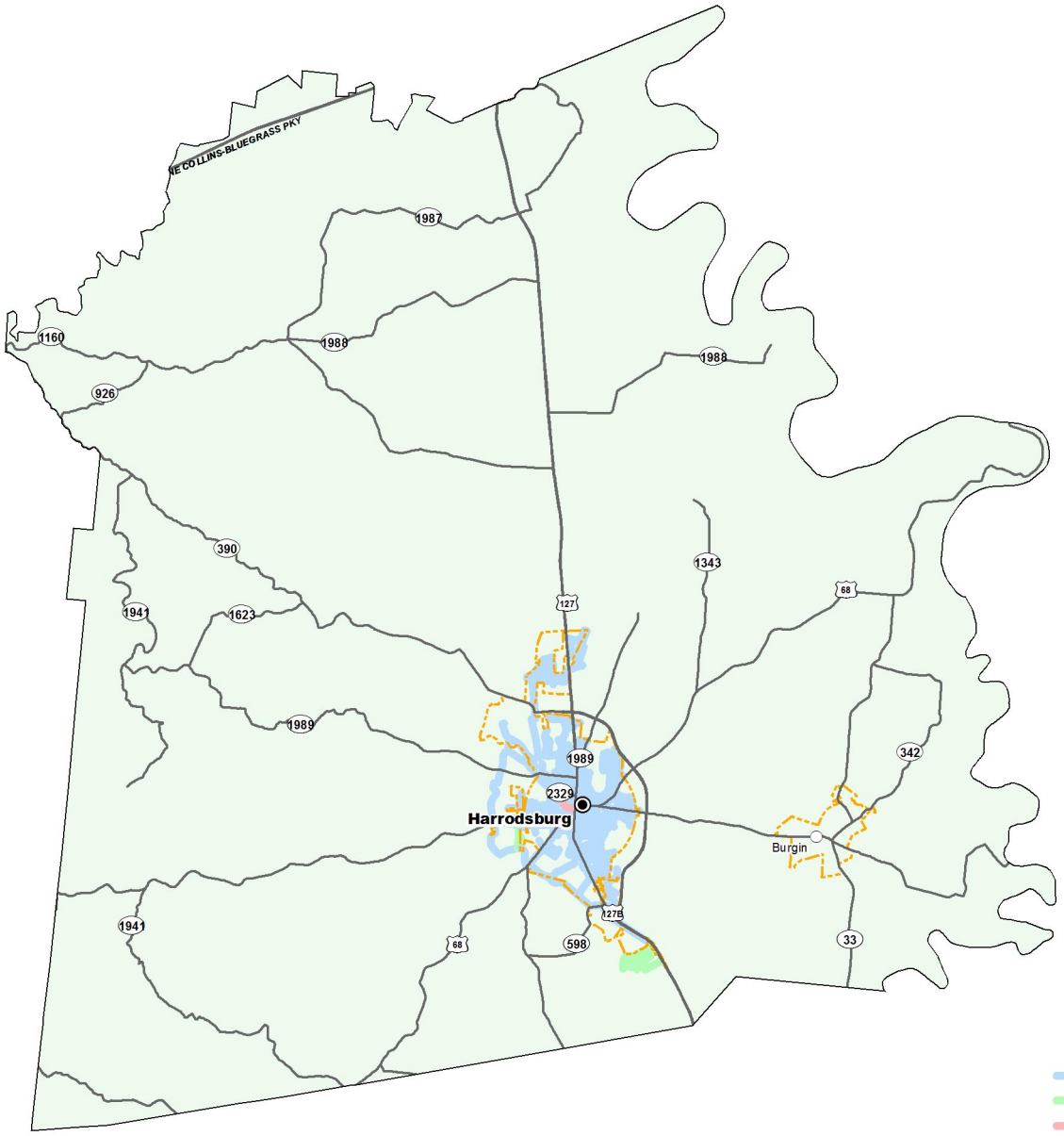
March, 2013

Water Resource Information System



System Summary for Harrodsburg Sewer Department

Permit ID	KY0027421	Treats Wastewater	Yes, 2.68 MGD with 1.89 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,003
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.69	Total KISOP Treated (MG)	20.723
Residential Customers	2,964	Total Treated (MG)	615.400
Commercial Customers	235	Number of Manholes	1099
Institutional Customers	69	Number of Lift Stations	13
Industrial Customers	20	Percent Lines 20 yrs or Older	70%
KISOP Customers	1	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 63.73 miles (Collection: 57.91 miles, Interceptors: 5.82 miles).			

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

There are no immediate projects for Harrodsburg Sewer Department

System Summary for Mercer County Sanitation District

Permit ID	KYP000080	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	257
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	5	Total KISOP Sent (MG)	20.723
Cost Per 4000 Gallons	$53.00	Total KISOP Treated (MG)	-
Residential Customers	246	Total Treated (MG)	-
Commercial Customers	11	Number of Manholes	53
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 7.31 miles (Collection: 7.31 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Mercer County Sanitation District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21167019	M C S D - Gwinn Island Road Sanitary Sewer Extension	0-2 Years	Not Funded	$1,525,676	Boyle	11	1

System Summary for Paradise Condominium Company

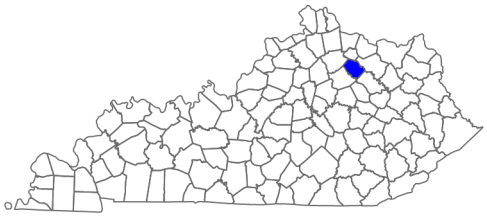
Permit ID	KY0086550	Treats Wastewater	Yes, 0.026 MGD with 0.0016 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Paradise Condominium Company

Nicholas County

- 2010 census population of 7,135 (3,261 households) with 39% serviceable.
- Projected 2020 population of 7,411 (change of 276).
- Nicholas County has 26.16 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,610,000.
- Estimated funding needs for projects from 6 to 10 years: $720,000.



Nicholas County has a 2010 census population count of 7,135 (3,261 households) with a projected 2020 population count of 7,411 (3,012 households). Public sewer is currently available to approximately 39 percent of the county's households based on 2010 census counts. Over the next ten years approximately 30 serviceable households will be added through the construction of 0.00 miles of sewer line extensions. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Carlisle	3	$2,330,000	30	-	-	-	1.00
Totals:	**3**	**$2,330,000**	**30**	**-**	**-**	**-**	**1.00**

Public Wastewater Systems in Nicholas County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020923	Carlisle Sewer Department	Nicholas	2,253	1,148
KIA181001	Nicholas County Sanitation District #2	Nicholas	183	107
		Totals:	2,436	1,255

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
NICHOLAS COUNTY
Kentucky

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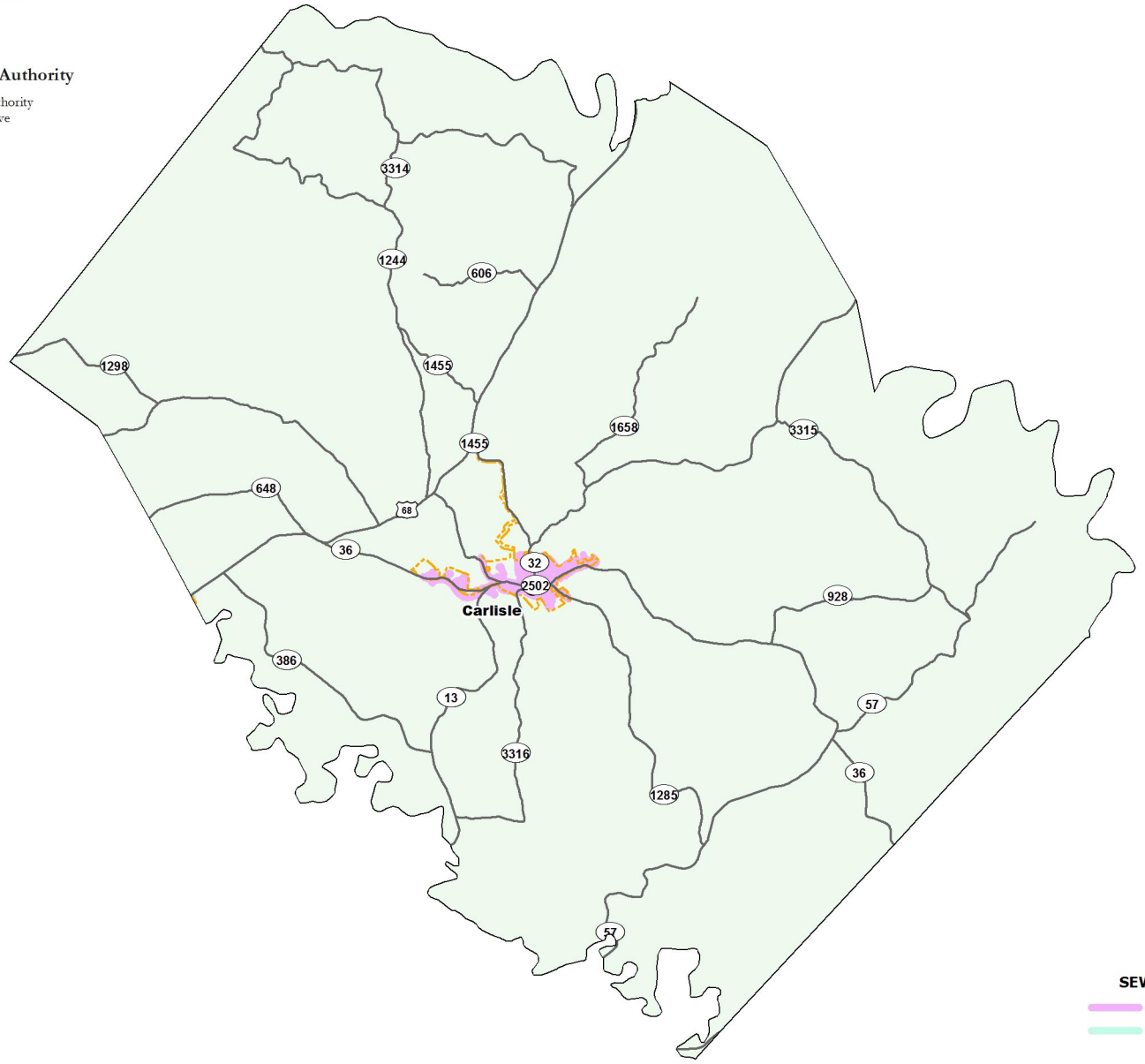

System Summary for Carlisle Sewer Department

Permit ID	KY0020923	Treats Wastewater	Yes, 0.35 MGD with 0.237 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,058
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.61	Total KISOP Treated (MG)	-
Residential Customers	903	Total Treated (MG)	86.424
Commercial Customers	74	Number of Manholes	441
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 18.79 miles (Collection: 17.82 miles, Interceptors: 0.98 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21181007	Carlisle - KY-36 Utility Extension CW	0-2 Years	Not Funded	$1,010,000	Nicholas		
SX21181006	Carlisle Wastewater Treatment Plant Renovation	6-10 Years	Not Funded	$720,000	Nicholas		
SX21181005	Carlisle Wastewater Collection Rehabilitation	3-5 Years	Not Funded	$600,000	Nicholas		

System Summary for Green Acres MHP

Permit ID	KY0092282	Treats Wastewater	Yes, 0.0075 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Green Acres MHP

System Summary for Nicholas County Sanitation District #2

Permit ID	KIA181001	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	99
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$66.75	Total KISOP Treated (MG)	-
Residential Customers	99	Total Treated (MG)	3.151
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 7.29 miles (Collection: 7.29 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Nicholas County Sanitation District #2

Powell County

- 2010 census population of 12,613 (5,598 households) with 34% serviceable.
- Projected 2020 population of 12,319 (change of -294).
- Powell County has 51.78 miles of existing sewer lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,657,339.
- Estimated funding needs for projects from 6 to 10 years: $4,354,800.

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 sewer is currently available to approximately 34 percent of the county's households based on 2010 census counts. Over the next ten years approximately 521 serviceable households will be added through the construction of 16.00 miles of sewer line extensions and approximately 1,690 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Clay City	3	$2,696,308	200	467	5.00	4.00	1.00
City of Stanton	4	$6,725,200	273	1,223	9.00	-	2.00
Powell County Fiscal Court	1	$205,631	18	-	1.00	-	-
Powell's Valley Water District	1	$385,000	30	-	1.00	-	-
Totals:	**9**	**$10,012,139**	**521**	**1,690**	**16.00**	**4.00**	**3.00**

Public Wastewater Systems in Powell County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000084	Clay City Wastewater	Powell	1,213	585
KY0104078	Powells Valley Water District Sewer Division	Powell	71	59
KY0034428	Red River Wastewater Authority	Powell	32	17
KYP000085	Stanton, City of	Powell	2,890	1,263
		Totals:	4,206	1,924

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
POWELL COUNTY
Kentucky

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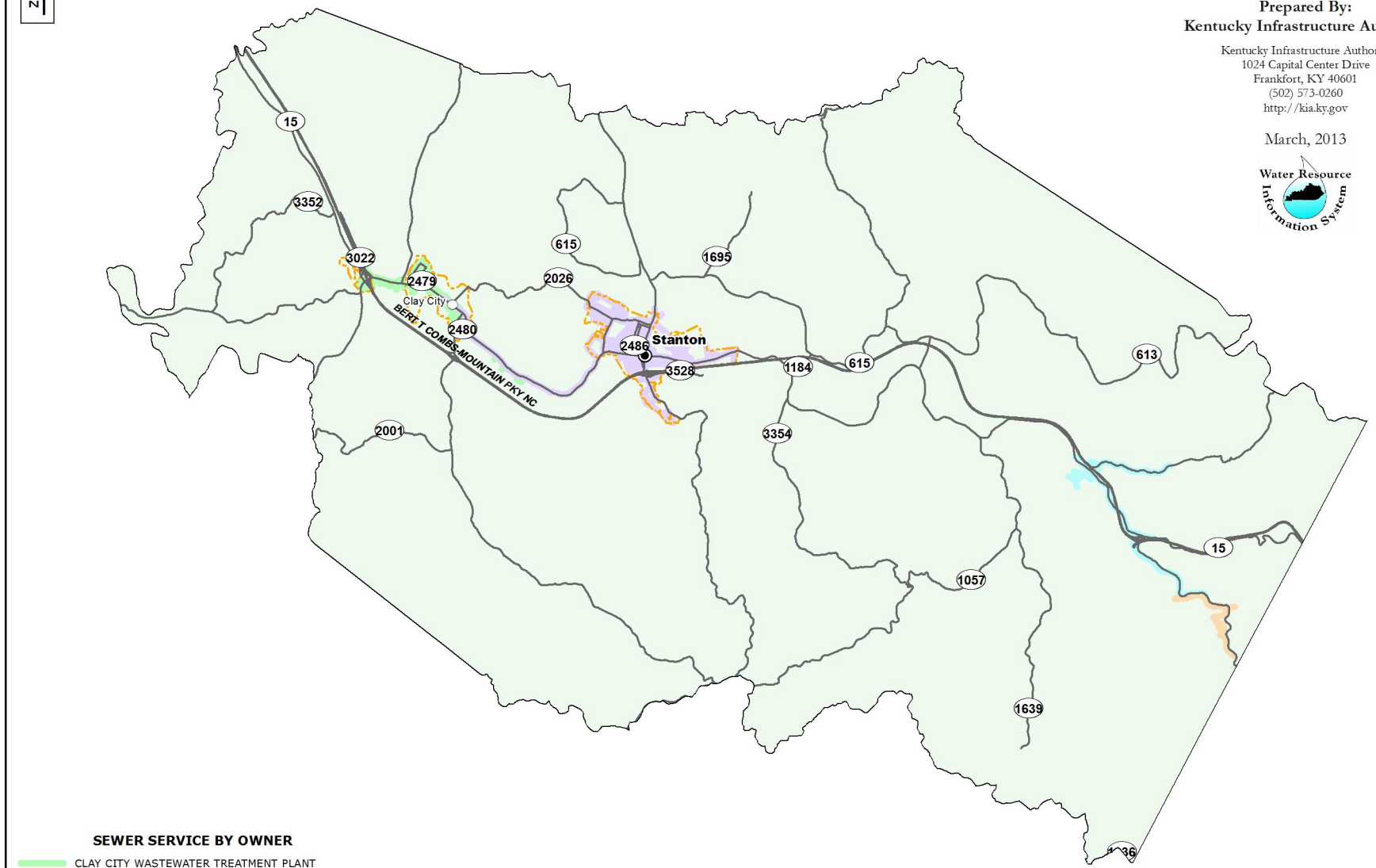


SEWER SERVICE BY OWNER

- CLAY CITY WASTEWATER TREATMENT PLANT
- KY DOP NATURAL BRIDGE ST PARK
- POWELLS VALLEY WATER DISTRICT SEWER DIVISION
- STANTON SEWER DEPARTMENT

System Summary for Clay City Wastewater

Permit ID	KYP000084	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	463
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	6.854
Cost Per 4000 Gallons	$45.70	Total KISOP Treated (MG)	-
Residential Customers	450	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	149
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 10.42 miles (Collection: 7.64 miles, Interceptors: 2.78 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21197004	Clay City - Phase II Sewer System Rehab	0-2 Years	Partially Funded	$332,308	Powell	14	2

System Summary for Powells Valley Water District Sewer Division

Permit ID	KY0104078	Treats Wastewater	Yes, 0.08 MGD with 0.4 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	107
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$51.75	Total KISOP Treated (MG)	-
Residential Customers	62	Total Treated (MG)	146.010
Commercial Customers	45	Number of Manholes	68
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 7.14 miles (Collection: 3.29 miles, Interceptors: 3.85 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21197011	Powells Valley - Cabin Country Sanitary Sewer Extensions Project	3-5 Years	Not Funded	$385,000	Powell	30	8

System Summary for Red River Wastewater Authority

Permit ID	KY0034428	Treats Wastewater	Yes, 0.46 MGD with 0.064 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2
Owner Type	Governmental Non-Profit Sewer Utility	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.80	Total KISOP Treated (MG)	23.350
Residential Customers	-	Total Treated (MG)	23.350
Commercial Customers	-	Number of Manholes	325
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	2	Has Facility Plan	No

Total Collection System Line Length = 6.64 miles (Collection: 0.28 miles, Interceptors: 6.37 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Red River Wastewater Authority

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21197006	Stanton-Sanitary Sewer Service Area Expansion, Phase I	0-2 Years	Partially Funded	$2,565,000	Powell	7	1
SX21197004	Clay City - Phase II Sewer System Rehab	0-2 Years	Partially Funded	$332,308	Powell	14	2
SX21197014	Clay City Business Park Sewer Extension Project	0-2 Years	Not Funded	$205,631	Powell	25	4
SX21197015	Stanton - Sewer Service Area Expansion, Phase 2	3-5 Years	Not Funded	$1,419,400	Powell	29	5
SX21197008	Clay City-Sanitary Sewer Expansion, Phase I	6-10 Years	Not Funded	$2,064,000	Powell		
SX21197016	Stanton - Sewer Service Area Expansion, Phase 3	6-10 Years	Not Funded	$1,990,800	Powell		
SX21197010	Stanton SSES and Sewer Rehab	0-2 Years	Partially Funded	$750,000	Powell		
SX21197002	Clay City Stormwater Relief Project	6-10 Years	Not Funded	$300,000	Powell		

System Summary for Stanton, City of

Permit ID	KYP000085	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,168
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	16.496
Cost Per 4000 Gallons	$38.76	Total KISOP Treated (MG)	-
Residential Customers	979	Total Treated (MG)	-
Commercial Customers	187	Number of Manholes	325
Institutional Customers	-	Number of Lift Stations	12
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 24.66 miles (Collection: 22.11 miles, Interceptors: 2.54 miles).			

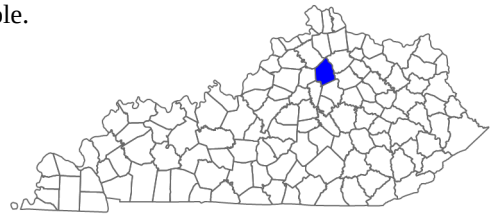
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21197006	Stanton-Sanitary Sewer Service Area Expansion, Phase I	0-2 Years	Partially Funded	$2,565,000	Powell	7	1
SX21197015	Stanton - Sewer Service Area Expansion, Phase 2	3-5 Years	Not Funded	$1,419,400	Powell	29	5
SX21197016	Stanton - Sewer Service Area Expansion, Phase 3	6-10 Years	Not Funded	$1,990,800	Powell		

Scott County

- 2010 census population of 47,173 (19,303 households) with 69% serviceable.
- Projected 2020 population of 63,984 (change of 16,811).
- Scott County has 243.96 miles of existing sewer lines.
- 3.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,850,000.
- There are no projects planned from 6 to 10 years.



Scott County has a 2010 census population count of 47,173 (19,303 households) with a projected 2020 population count of 63,984 (25,538 households). Public sewer is currently available to approximately 69 percent of the county's households based on 2010 census counts. Over the next ten years approximately 520 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 10,848 instances of improved service through system wide upgrades. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Georgetown	2	$6,850,000	520	10,848	3.00	-	2.00
Totals:	**2**	**$6,850,000**	**520**	**10,848**	**3.00**	**-**	**2.00**

Public Wastewater Systems in Scott County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020150	GMWSS STP #1	Scott	28,330	11,731
KY0082007	GMWSS STP #2	Scott	2,712	1,001
KY0050512	GMWSS STP #3 - Stamping Ground	Scott	803	359
KY0081591	Longview Land Company LLC	Scott	346	123
		Totals:	32,191	13,214

Kentucky Infrastructure Authority
February 15, 2018

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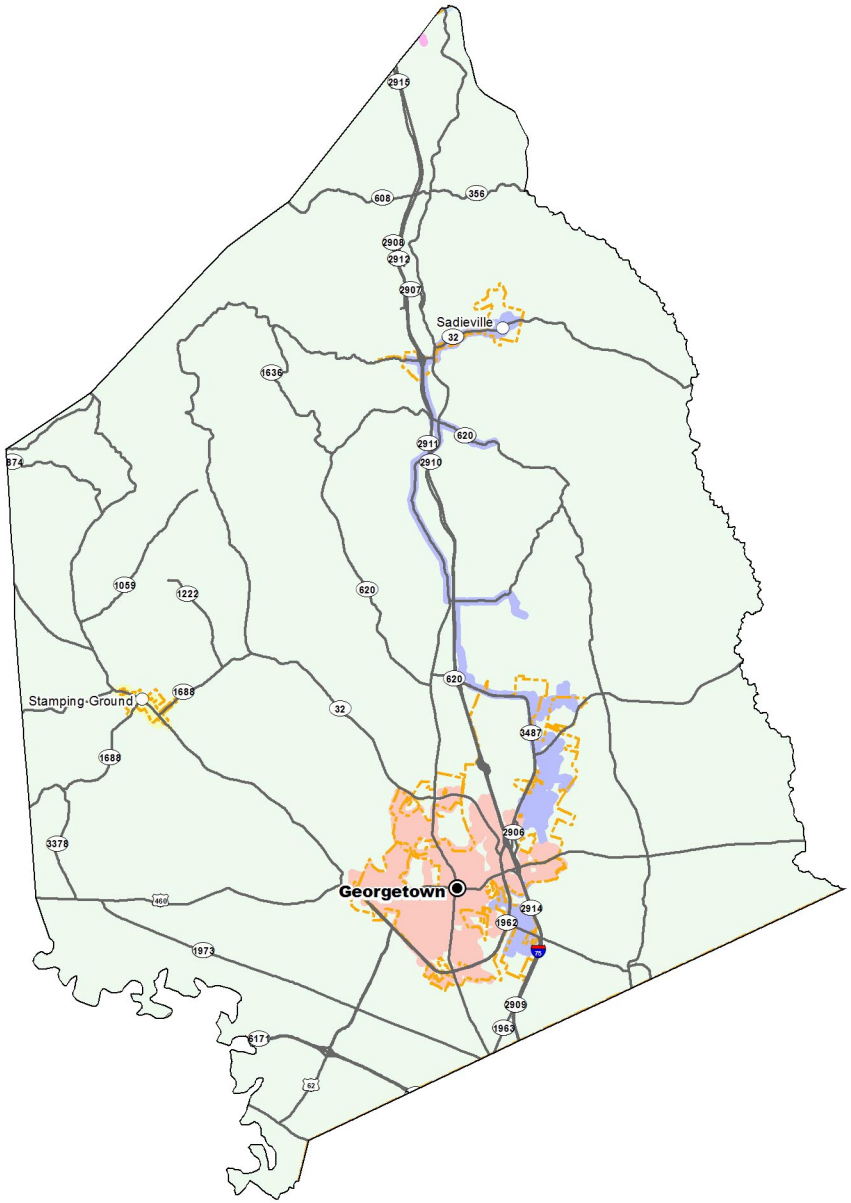


System Summary for Delaplain Disposal Company

Permit ID	KY0079049	Treats Wastewater	Yes, 0.24 MGD with 0.199 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Delaplain Disposal Company

System Summary for GMWSS STP #1

Permit ID	KY0020150	Treats Wastewater	Yes, 4.5 MGD with 2.96 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,076
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	58	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.98	Total KISOP Treated (MG)	-
Residential Customers	9,838	Total Treated (MG)	1,250.160
Commercial Customers	1,231	Number of Manholes	3940
Institutional Customers	-	Number of Lift Stations	32
Industrial Customers	10	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 173.46 miles (Collection: 145.92 miles, Interceptors: 27.54 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for GMWSS STP #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21209012	Georgetown/Scott County South Sewer Extension	0-2 Years	Partially Funded	$6,500,000	Scott	1	1
SX21209007	City of Georgetown-WWTP #1 Rbc Demolition	0-2 Years	Not Funded	$350,000	Scott		

System Summary for GMWSS STP #2

Permit ID	KY0082007	Treats Wastewater	Yes, 2.2 MGD with 1.34 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,012
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.98	Total KISOP Treated (MG)	-
Residential Customers	1,869	Total Treated (MG)	515.000
Commercial Customers	142	Number of Manholes	1018
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	1	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed

Total Collection System Line Length = 61.86 miles (Collection: 44.30 miles, Interceptors: 17.55 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for GMWSS STP #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21209007	City of Georgetown-WWTP #1 Rbc Demolition	0-2 Years	Not Funded	$350,000	Scott		

System Summary for GMWSS STP #3 - Stamping Ground

Permit ID	KY0050512	Treats Wastewater	Yes, 0.14 MGD with 0.063 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	259
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	53	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.98	Total KISOP Treated (MG)	-
Residential Customers	220	Total Treated (MG)	21.415
Commercial Customers	39	Number of Manholes	128
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 6.64 miles (Collection: 6.26 miles, Interceptors: 0.38 miles).

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

There are no immediate projects for GMWSS STP #3 - Stamping Ground

System Summary for Longview Land Company LLC

Permit ID	KY0081591	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.78 miles (Collection: 1.78 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Longview Land Company LLC

System Summary for Spindletop MHP

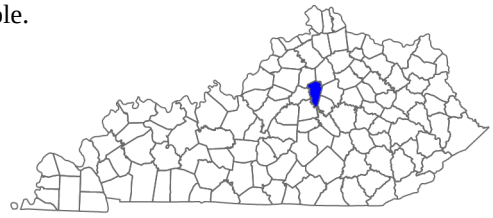
Permit ID	KY0081213	Treats Wastewater	Yes, 0.092 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Spindletop MHP

Woodford County

- 2010 census population of 24,939 (10,711 households) with 68% serviceable.
- Projected 2020 population of 26,817 (change of 1,878).
- Woodford County has 111.24 miles of existing sewer lines.
- 15.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,586,000.
- There are no projects planned from 6 to 10 years.



Woodford County has a 2010 census population count of 24,939 (10,711 households) with a projected 2020 population count of 26,817 (11,147 households). Public sewer is currently available to approximately 68 percent of the county's households based on 2010 census counts. Over the next ten years approximately 600 serviceable households will be added through the construction of 15.00 miles of sewer line extensions and approximately 6,603 instances of improved service through system wide upgrades. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Midway	3	$1,590,000	-	700	-	-	1.00
City of Versailles	2	$4,996,000	600	5,903	15.00	-	-
Totals:	**5**	**$6,586,000**	**600**	**6,603**	**15.00**	**-**	**1.00**

Public Wastewater Systems in Woodford County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028410	Midway Sewer Department	Woodford	1,722	751
KY0020621	Versailles Municipal Wastewater	Woodford	15,614	6,547
		Totals:	17,336	7,298

Kentucky Infrastructure Authority
February 15, 2018

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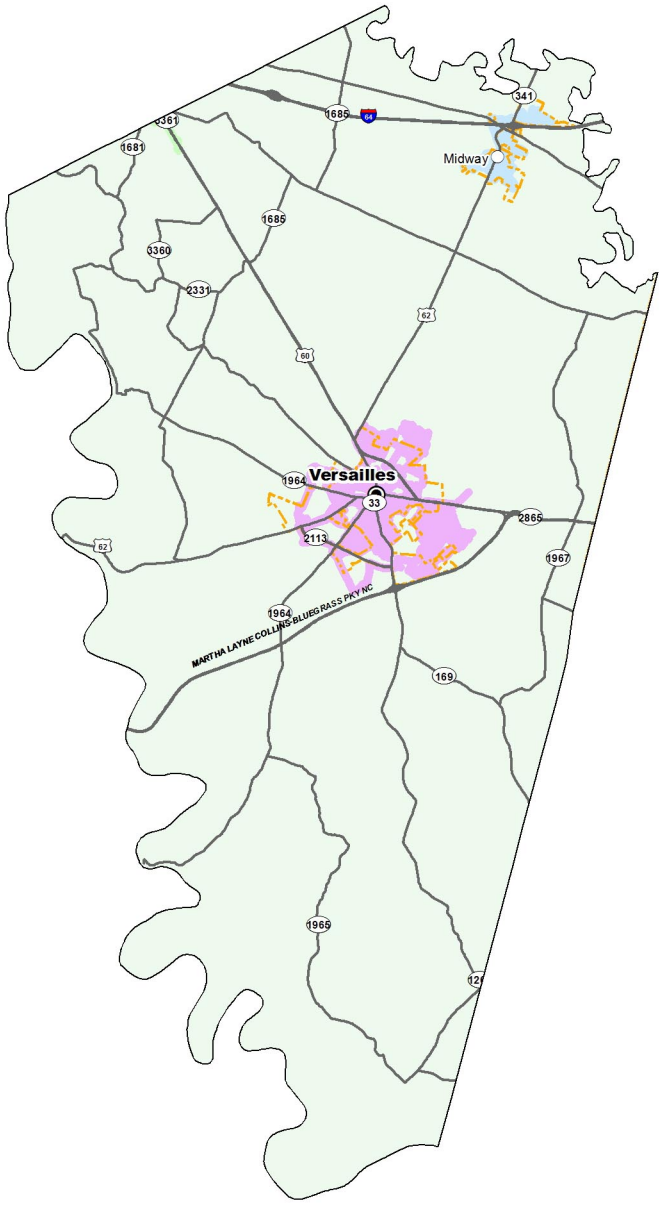


System Summary for Midway Sewer Department

Permit ID	KY0028410	Treats Wastewater	Yes, 0.75 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	737
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.50	Total KISOP Treated (MG)	-
Residential Customers	676	Total Treated (MG)	1.320
Commercial Customers	44	Number of Manholes	148
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 12.58 miles (Collection: 11.82 miles, Interceptors: 0.76 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Midway Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21239003	Midway Brand Street Sewer Rehab Project	0-2 Years	Not Funded	$670,000	Woodford		
SX21239004	Midway Phase I Sewer System Rehabilitation Project	3-5 Years	Not Funded	$500,000	Woodford		
SX21239013	Midway Sanitary Sewer Evaluation and Improvements	0-2 Years	Not Funded	$420,000	Woodford		

System Summary for Versailles Municipal Wastewater

Permit ID	KY0020621	Treats Wastewater	Yes, 3 MGD with 2.312 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,903
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.72	Total KISOP Treated (MG)	-
Residential Customers	5,203	Total Treated (MG)	779.328
Commercial Customers	700	Number of Manholes	2134
Institutional Customers	-	Number of Lift Stations	18
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 45% Constructed
Total Collection System Line Length = 97.84 miles (Collection: 86.16 miles, Interceptors: 11.68 miles).			

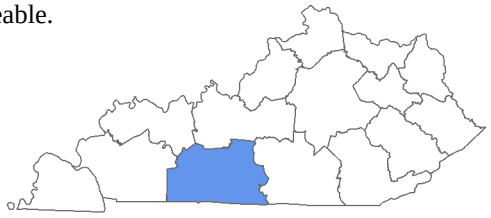
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21239014	Versailles - WWTP Improvements - Belt Filter Press Replacement	0-2 Years	Not Funded	$1,000,000	Woodford	20	9
SX21239006	Southeast Sewer System Expansion	3-5 Years	Not Funded	$3,996,000	Woodford		

Barren River Area Development District (BRADD)

- 2010 census population of 284,195 (126,280 households) with 45% serviceable.
- Projected 2020 population of 316,297 (change of 32,102).
- 1,027.27 miles of existing sewer lines.
- 139.00 miles of line extensions proposed in the next 10 years.
- 40.00 miles of line rehabilitation proposed in the next 10 years.
- 9.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $143,598,377.
- Estimated funding needs for projects from 6 to 10 years: $12,178,000.
- Average age of wastewater treatment plants is 39 years.
- Total number of interconnected systems is 3.
- 171 miles of sewer lines less than 15 years old.
- 284 miles of sewer lines between 15 and 30 years old.
- 497 miles of sewer lines between 31 and 50 years old.
- 66 miles of sewer lines between 51 and 70 years old.
- 9 miles of sewer lines greater than 70 years old.



Barren River Area Development District has a 2010 census population count of 284,195 (126,280 households) with a projected 2020 population count of 316,297 (128,239 households). Public sewer is currently available to approximately 45 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,836 serviceable households will be added through the construction of 139.00 miles of sewer line extensions and approximately 16,637 instances of improved service through the rehabilitation of 40.00 miles of existing sewer lines and other appurtenances. 9.00 miles of interceptor lines are also proposed within this district.

County Summary for Barren River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Allen	19,956	9,307	22,366	9,171	2,104	23%	$ 10,482,174
Barren	42,173	19,188	46,361	19,245	8,917	47%	$ 18,072,500
Butler	12,690	5,877	12,544	5,178	1,106	19%	$ 5,611,940
Edmonson	12,161	6,467	12,628	5,283	1,060	16%	$ 11,158,771
Hart	18,199	8,559	18,690	7,604	2,400	28%	$ 8,622,525
Logan	26,835	12,339	27,382	11,301	4,890	40%	$ 42,464,000
Metcalfe	10,099	4,681	10,329	4,306	824	18%	$ 2,665,000
Monroe	10,963	5,204	10,405	4,423	1,589	31%	$ 3,729,323
Simpson	17,327	7,435	18,342	7,429	4,503	61%	$ 29,591,144
Warren	113,792	47,223	137,250	54,299	29,330	62%	$ 23,379,000
Totals	**284,195**	**126,280**	**316,297**	**128,239**	**56,723**	**45%**	**$ 155,776,377**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

BRADD

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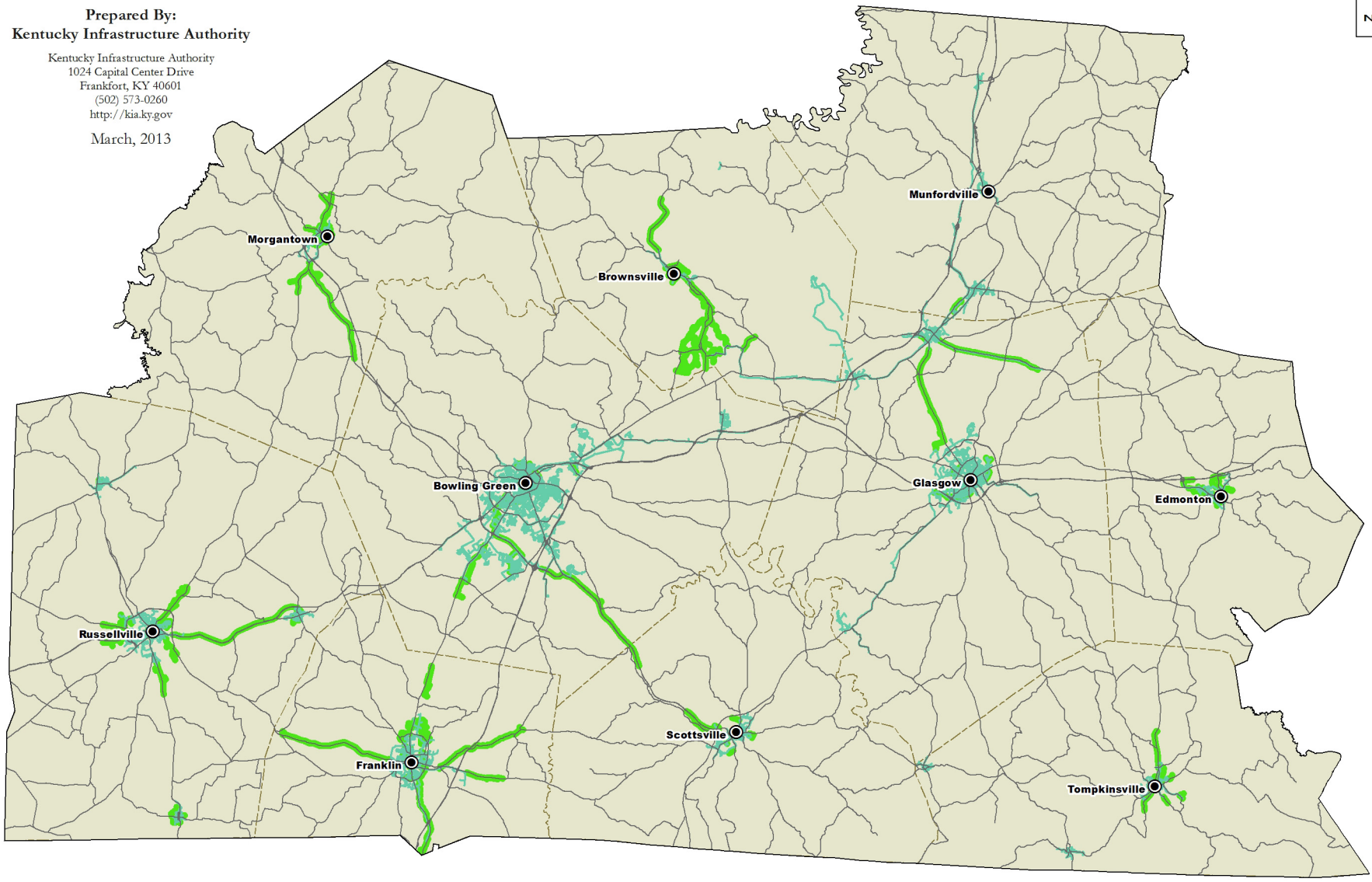
March, 2013



SEWER LINES

- Proposed Sewer Lines
- Existing Sewer Lines

Public Sewer Systems in the Barren River Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024783	Scottsville Municipal Water & Sewer Department	Allen	4,313	2,104
KY0095443	Bon Ayr Estates MH Park	Barren	31	13
KY0021164	Glasgow Water Company	Barren	15,071	7,238
KY0021024	Morgantown Utilities	Butler	2,416	1,106
KY0023396	Brownsville Municipal Water & Sewer	Edmonson	805	404
KYP000088	Edmonson Co Water Collection	Edmonson	1,309	549
KYP000087	Edmonson Co Water District	Edmonson	104	57
KY0091561	Caveland Environmental Authority	Hart	6,853	3,318
KY0031755	Munfordville Municipal Water/Sewer Commission	Hart	1,584	780
KY0020885	Adairville Sewer Department	Logan	890	432
KY0021202	Auburn Sewer Department	Logan	1,459	680
KY0024881	Lewisburg Municipal Water & Sewer Department	Logan	856	461
KY0020877	Russellville Municipal Sewer Department	Logan	6,840	3,317
KY0028100	Edmonton Water Works	Metcalfe	1,625	824
KIA171001	Fountain Run Water District #1	Monroe	228	134
KY0095257	Gamaliel Municipal Water & Wastewater Department	Monroe	488	229
KY0020702	Tompkinsville Sewer Department	Monroe	2,458	1,228
KY0027456	Franklin Sewer Department	Simpson	10,201	4,503
KY0022403	Bowling Green Municipal Utilities	Warren	54,421	23,172
KYP000032	Warren County Water District	Warren	15,078	6,156
		Totals:	127,030	56,705

Project Rankings For Barren River Area Development District

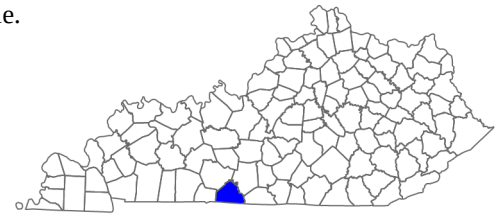
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21009044	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	$1,000,000	Barren	1	1
SX21031009	Morgantown - Sewer Main Infrastructure Replacement/Repair to Sewer Main	3-5 Years	Not Funded	$500,000	Butler	2	1
SX21213038	Methodist Home Pump Station and Force Main	0-2 Years	Not Funded	$233,700	Simpson	3	1
SX21171020	Tompkinsville WWTP Expansion & Sanitary Sewer Collection Improve	0-2 Years	Not Funded	$2,386,448	Monroe	4	1
SX21141014	Lewisburg Sewer System Upgrade	0-2 Years	Partially Funded	$1,500,000	Logan	5	1
SX21169007	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	$400,000	Metcalfe	6	1
SX21227082	WCWD - Plum Springs Area Sewer Rehab and Replacement	0-2 Years	Not Funded	$3,000,000	Warren	7	1
SX21003036	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	$1,750,000	Allen	8	1
SX21099021	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	$1,450,000	Hart	9	1
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	$7,843,771	Edmonson	10	1
SX21099023	Horse Cave Regional Water Replacement Facility Expansion Project	0-2 Years	Not Funded	$5,342,000	Hart	11	2
SX21003024	City of Scottsville - US 231 Sewer Extension - Stage 1 of Phase 1	0-2 Years	Not Funded	$2,650,000	Allen	12	2
SX21141048	City of Auburn - Upgrade of Existing Wastewater Treatment Plant	3-5 Years	Partially Funded	$6,600,000	Logan	13	2
SX21227074	BGMU - Industrial Dr Interceptor	3-5 Years	Not Funded	$8,000,000	Warren	14	2
SX21171003	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	$1,000,000	Monroe	15	2
SX21009045	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	$900,000	Barren	16	2
SX21031010	Morgantown - Sanitary Sewer Infiltration Project-Phase I	3-5 Years	Not Funded	$300,000	Butler	17	2
SX21169011	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	$350,000	Metcalfe	18	2
SX21061007	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	$3,315,000	Edmonson	19	2
SX21213031	City of Franklin - High St Sewer Project	0-2 Years	Not Funded	$1,133,750	Simpson	20	2
SX21009049	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	$505,000	Barren	21	3
SX21099022	Munfordville Sewer Extensions and Pump Station Rehabilitations	0-2 Years	Not Funded	$1,430,525	Hart	22	3
SX21227036	WCWD - Pioneer Drive/Twn Lift Station Upgrade	6-10 Years	Not Funded	$200,000	Warren	23	3
SX21141042	City of Lewisburg - Line C Collection System Replacement	3-5 Years	Not Funded	$62,000	Logan	24	3
SX21003022	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	$1,250,000	Allen	25	3
SX21169001	WWTP SCADA Upgrade	0-2 Years	Not Funded	$550,000	Metcalfe	26	3
SX21213035	City of Franklin - Morgantown Rd Sewer Project	0-2 Years	Not Funded	$4,045,000	Simpson	27	3
SX21171018	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	$193,000	Monroe	28	3
SX21031011	City of Morgantown - Sanitary Sewer Extension - Hwy 231	3-5 Years	Not Funded	$37,840	Butler	29	3
SX21009039	CEA - 90 East	0-2 Years	Fully Funded	$460,000	Barren	30	4
SX21171019	Sewer Collections and I/I Project Phase I	0-2 Years	Not Funded	$149,875	Monroe	31	4
SX21099006	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	$400,000	Hart	32	4
SX21003011	City of Scottsville - South Court Street Sewer Rehab	3-5 Years	Not Funded	$750,000	Allen	33	4

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21227048	BGMU - Emergency Generator for Jennings Creek Lift Station	0-2 Years	Not Funded	$130,000	Warren	34	4
SX21141024	City of Auburn - Wastewater Project #2 - Replace Lift Stations	3-5 Years	Not Funded	$750,000	Logan	35	4
SX21169008	Edmonton - River Road Project Extension	3-5 Years	Not Funded	$300,000	Metcalfe	36	4
SX21213017	City of Franklin - North Franklin Sewer Line Extensions	0-2 Years	Not Funded	$6,074,462	Simpson	37	4
SX21031006	Morgantown - Sawmill Road Sewer Extension	3-5 Years	Not Funded	$80,000	Butler	38	4
SX21171013	City of Tompkinsville - East Industrial Park Sewer Improvements	3-5 Years	Fully Funded	$100,000	Monroe	39	5
SX21141035	Russellville - Hwy 431 South Sewer Project	3-5 Years	Not Funded	$4,150,000	Logan	40	5
SX21003012	Holt Drive Sewer	0-2 Years	Not Funded	$282,174	Allen	41	5
SX21169005	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	$25,000	Metcalfe	42	5
SX21227059	WCWD - Memphis Junction Lift Station Upgrade	3-5 Years	Not Funded	$1,243,000	Warren	43	5
SX21009048	Glasgow WWTP Improvement - Upgrade Plant From 4Mgd to 6Mgd	3-5 Years	Not Funded	$9,994,000	Barren	44	5
SX21213027	City of Franklin - Manhole Rehabilitation Project	3-5 Years	Not Funded	$258,750	Simpson	45	5
SX21031005	Morgantown - North Taylor Street Sewer Extension	3-5 Years	Not Funded	$72,000	Butler	46	5
			Total Cost:	**$83,147,295**			

Allen County

- 2010 census population of 19,956 (9,307 households) with 23% serviceable.
- Projected 2020 population of 22,366 (change of 2,410).
- Allen County has 40.85 miles of existing sewer 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.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,832,174.
- Estimated funding needs for projects from 6 to 10 years: $650,000.



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 sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 117 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 4,449 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Scottsville	11	$9,282,174	117	4,449	4.00	1.00	2.00
Warren County Water District	1	$1,200,000	-	-	-	-	-
Totals:	**12**	**$10,482,174**	**117**	**4,449**	**4.00**	**1.00**	**2.00**

Public Wastewater Systems in Allen County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024783	Scottsville Municipal Water & Sewer Department	Allen	4,313	2,104
		Totals:	4,313	2,104

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ALLEN COUNTY
Kentucky

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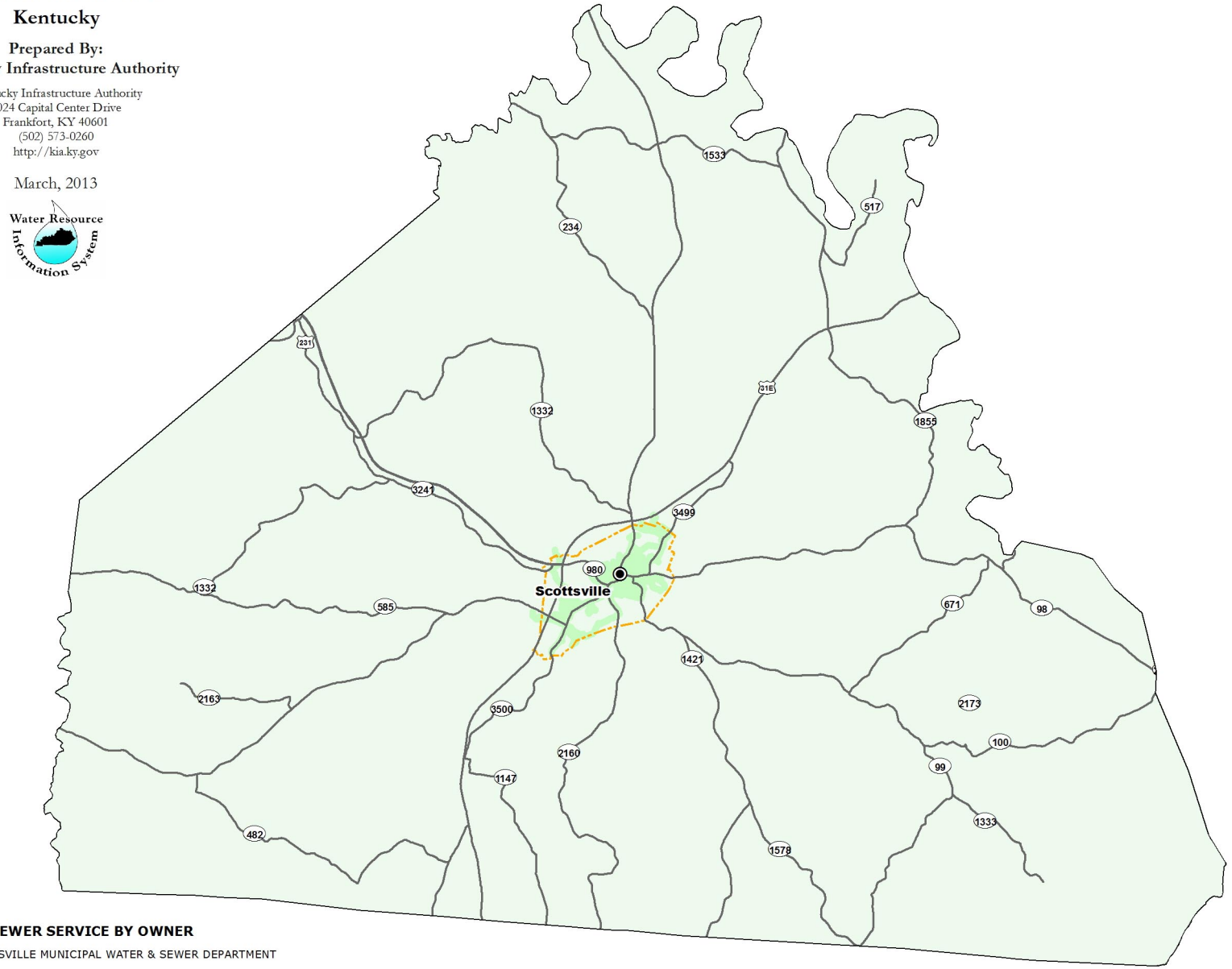


SEWER SERVICE BY OWNER

SCOTTSVILLE MUNICIPAL WATER & SEWER DEPARTMENT

System Summary for Scottsville Municipal Water & Sewer Department

Permit ID	KY0024783	Treats Wastewater	Yes, 1.72 MGD with 0.89 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,813
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$12.60	Total KISOP Treated (MG)	-
Residential Customers	1,523	Total Treated (MG)	352.396
Commercial Customers	236	Number of Manholes	670
Institutional Customers	39	Number of Lift Stations	15
Industrial Customers	15	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 40.85 miles (Collection: 40.84 miles, Interceptors: 0.01 miles).			

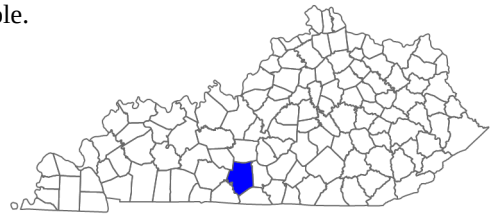
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21003036	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	$1,750,000	Allen	8	1
SX21003024	City of Scottsville - US 231 Sewer Extension - Stage 1 of Phase 1	0-2 Years	Not Funded	$2,650,000	Allen	12	2
SX21003022	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	$1,250,000	Allen	25	3
SX21003011	City of Scottsville - South Court Street Sewer Rehab	3-5 Years	Not Funded	$750,000	Allen	33	4
SX21003023	Scottsville - New Glasgow Rd Sewer Line	0-2 Years	Not Funded	$750,000	Allen		
SX21003018	City of Scottsville - Pump Station Telemetry Project	6-10 Years	Not Funded	$650,000	Allen		
SX21003021	Scottsville - 980 & US231 Sewer Line Connection	0-2 Years	Not Funded	$500,000	Allen		
SX21003034	City of Scottsville - Marcrum Lane Sewer Project	3-5 Years	Not Funded	$500,000	Allen		
SX21003030	City of Scottsville - Sewer Lines to Future Industrial Property	3-5 Years	Not Funded	$100,000	Allen		
SX21003031	City of Scottsville Phosphorus Treatment Project	0-2 Years	Not Funded	$100,000	Allen		

Barren County

- 2010 census population of 42,173 (19,188 households) with 47% serviceable.
- Projected 2020 population of 46,361 (change of 4,188).
- Barren County has 195.12 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 7.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $18,072,500.
- 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 sewer is currently available to approximately 47 percent of the county's households based on 2010 census counts. Over the next ten years approximately 155 instances of improved service through the rehabilitation of 7.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Caveland Environmental Authority	4	$7,747,000	-	155	-	7.00	-
Glasgow Water and Sewer Commission	2	$10,325,500	-	-	-	-	-
Totals:	**6**	**$18,072,500**	**-**	**155**	**-**	**7.00**	**-**

Public Wastewater Systems in Barren County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0095443	Bon Ayr Estates MH Park	Barren	31	13
KY0021164	Glasgow Water Company	Barren	15,071	7,238
KY0091561	Caveland Environmental Authority	Hart	3,427	1,662
		Totals:	18,529	8,913

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BARREN COUNTY
Kentucky

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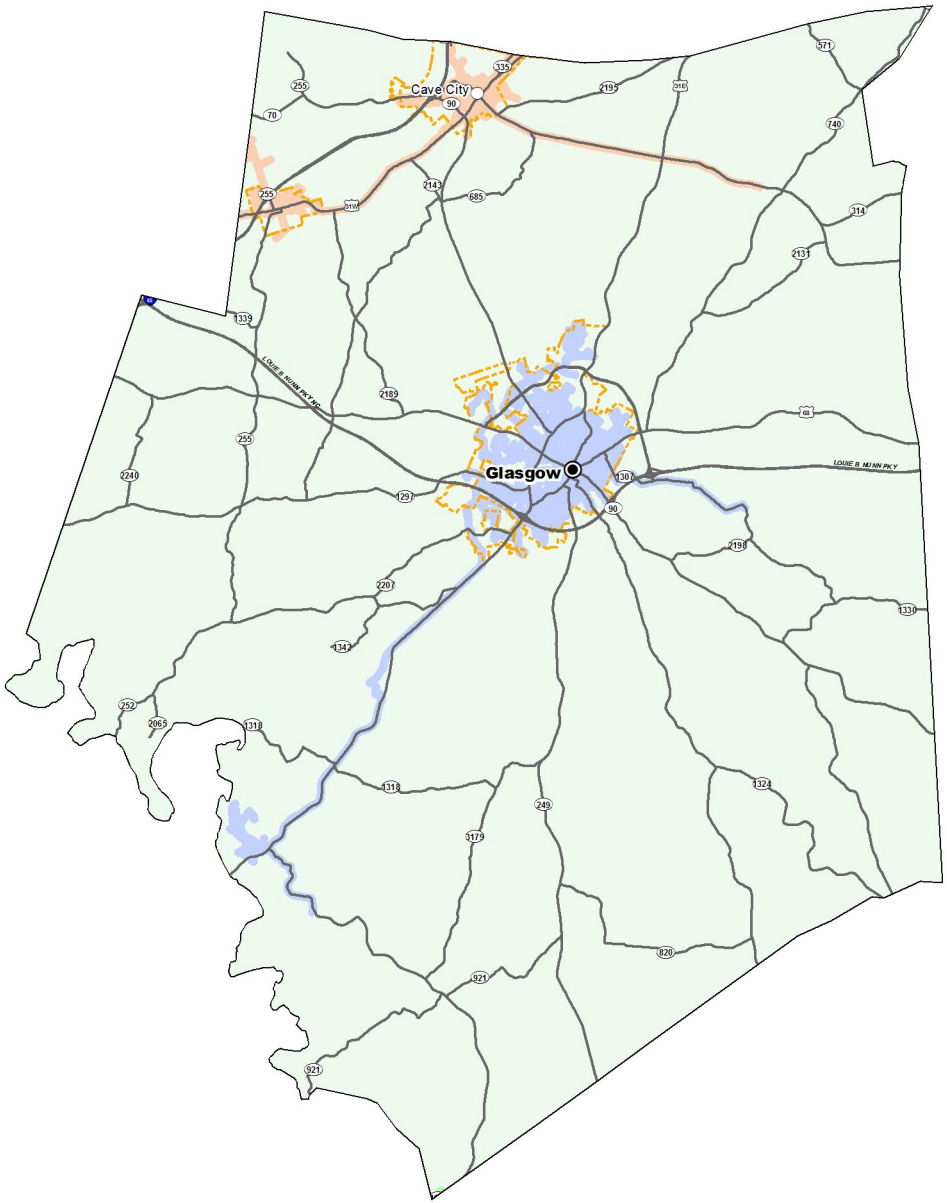


SEWER SERVICE BY OWNER

- CAVELAND ENVIRONMENTAL AUTHORITY
- FOUNTAIN RUN WATER DISTRICT #1
- GLASGOW WATER COMPANY

System Summary for Bon Ayr Estates MH Park

Permit ID	KY0095443	Treats Wastewater	Yes, 0.008 MGD with 0.003 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.17 miles (Collection: 0.17 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Bon Ayr Estates MH Park

System Summary for Glasgow Water Company

Permit ID	KY0021164	Treats Wastewater	Yes, 4 MGD with 2.24 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	9,854
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	45	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.48	Total KISOP Treated (MG)	-
Residential Customers	5,117	Total Treated (MG)	893.155
Commercial Customers	862	Number of Manholes	2776
Institutional Customers	-	Number of Lift Stations	35
Industrial Customers	59	Percent Lines 20 yrs or Older	55%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed

Total Collection System Line Length = 145.26 miles (Collection: 142.38 miles, Interceptors: 2.88 miles).

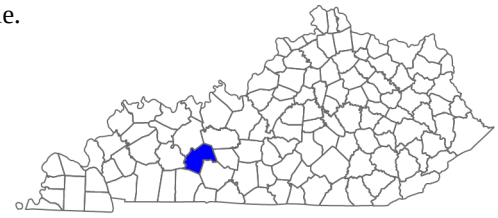
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21009048	Glasgow WWTP Improvement - Upgrade Plant From 4Mgd to 6Mgd	3-5 Years	Not Funded	$9,994,000	Barren	44	5
SX21009035	Glasgow Trunkline to Sewer Plant - South	0-2 Years	Not Funded	$331,500	Barren		

Butler County

- 2010 census population of 12,690 (5,877 households) with 19% serviceable.
- Projected 2020 population of 12,544 (change of -146).
- Butler County has 19.67 miles of existing sewer lines.
- 18.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,611,940.
- There are no projects planned from 6 to 10 years.



Butler County has a 2010 census population count of 12,690 (5,877 households) with a projected 2020 population count of 12,544 (5,178 households). Public sewer is currently available to approximately 19 percent of the county's households based on 2010 census counts. Over the next ten years approximately 343 serviceable households will be added through the construction of 18.00 miles of sewer line extensions and approximately 746 instances of improved service through the rehabilitation of 10.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Butler County Water System Inc	4	$4,622,100	337	-	17.00	-	-
City of Morgantown	5	$989,840	6	746	1.00	10.00	-
Totals:	**9**	**$5,611,940**	**343**	**746**	**18.00**	**10.00**	**-**

Public Wastewater Systems in Butler County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021024	Morgantown Utilities	Butler	2,416	1,106
		Totals:	2,416	1,106

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BUTLER COUNTY
Kentucky

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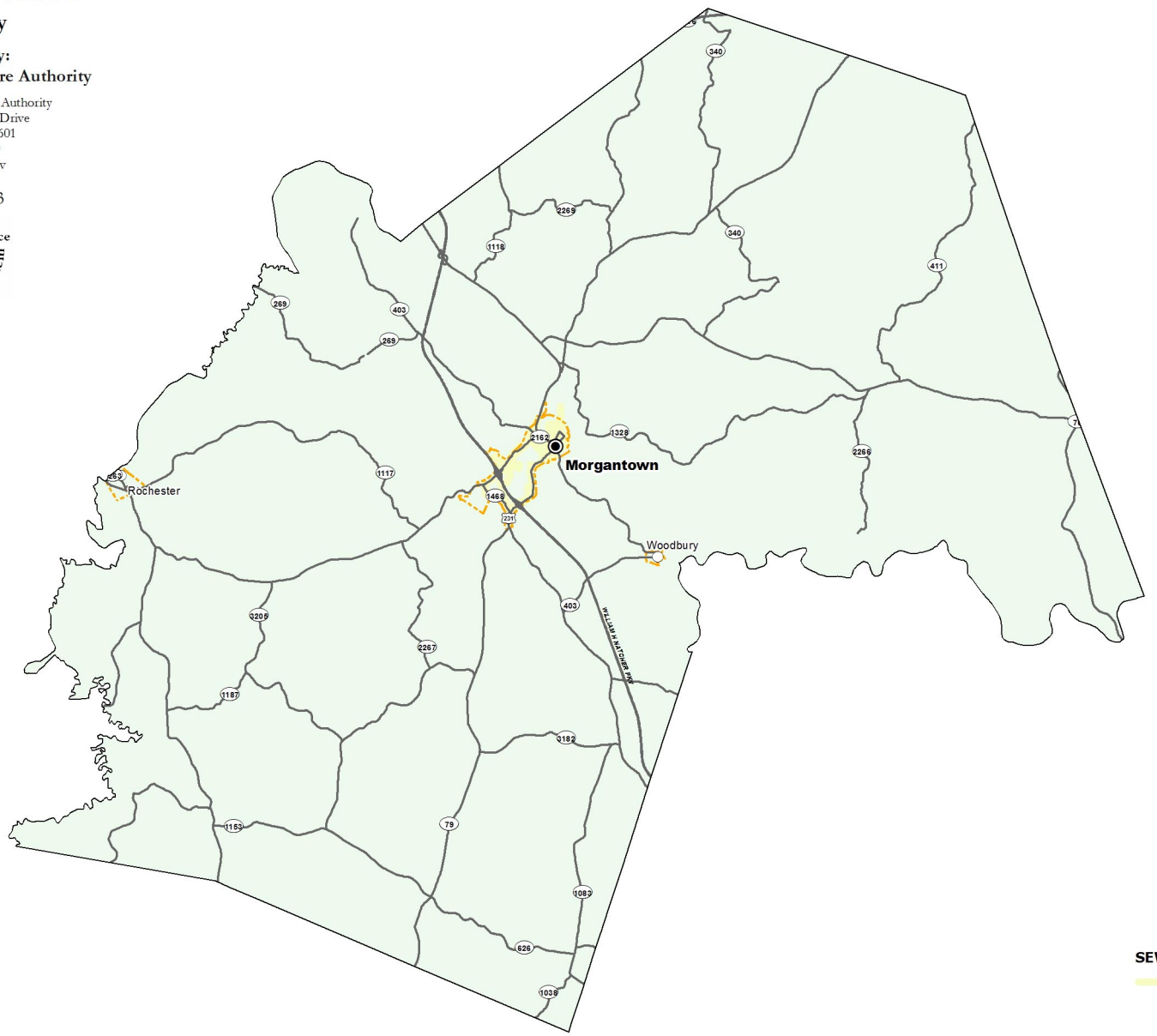


System Summary for Morgantown Utilities

Permit ID	KY0021024	Treats Wastewater	Yes, 0.5 MGD with 0.411 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	824
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.40	Total KISOP Treated (MG)	-
Residential Customers	652	Total Treated (MG)	54.750
Commercial Customers	162	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	10	Percent Lines 20 yrs or Older	55%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 19.60 miles (Collection: 19.36 miles, Interceptors: 0.24 miles).

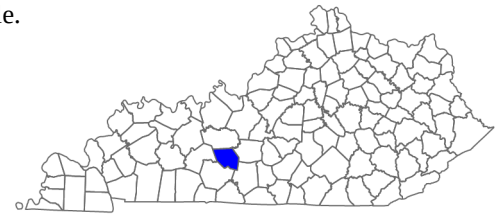
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21031009	Morgantown - Sewer Main Infrastructure Replacement/Repair to Sewer Main	3-5 Years	Not Funded	$500,000	Butler	2	1
SX21031010	Morgantown - Sanitary Sewer Infiltration Project-Phase I	3-5 Years	Not Funded	$300,000	Butler	17	2
SX21031011	City of Morgantown - Sanitary Sewer Extension - Hwy 231	3-5 Years	Not Funded	$37,840	Butler	29	3
SX21031006	Morgantown - Sawmill Road Sewer Extension	3-5 Years	Not Funded	$80,000	Butler	38	4
SX21031005	Morgantown - North Taylor Street Sewer Extension	3-5 Years	Not Funded	$72,000	Butler	46	5
SX21031003	Hwy 231/Hwy 79S Area Sewer	3-5 Years	Not Funded	$1,611,500	Butler		
SX21031002	Aberdeen Area Sewer - Butler County Water System	3-5 Years	Not Funded	$1,394,800	Butler		
SX21031008	BCWS - Needmore Area Sewers	0-2 Years	Not Funded	$1,200,000	Butler		
SX21031004	Logansport Area Sewer- Butler County Water System	3-5 Years	Not Funded	$415,800	Butler		

Edmonson County

- 2010 census population of 12,161 (6,467 households) with 16% serviceable.
- Projected 2020 population of 12,628 (change of 467).
- Edmonson County has 49.97 miles of existing sewer lines.
- 24.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,158,771.
- 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 sewer is currently available to approximately 16 percent of the county's households based on 2010 census counts. Over the next ten years approximately 727 serviceable households will be added through the construction of 24.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
Edmonson County Water District	2	$11,158,771	727	-	24.00	-	-
Totals:	**2**	**$11,158,771**	**727**	**-**	**24.00**	**-**	**-**

Public Wastewater Systems in Edmonson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0023396	Brownsville Municipal Water & Sewer	Edmonson	805	404
KYP000088	Edmonson Co Water Collection	Edmonson	1,308	549
KYP000087	Edmonson Co Water District	Edmonson	104	57
KY0091561	Caveland Environmental Authority	Hart	77	36
		Totals:	2,294	1,046

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
EDMONSON COUNTY
Kentucky

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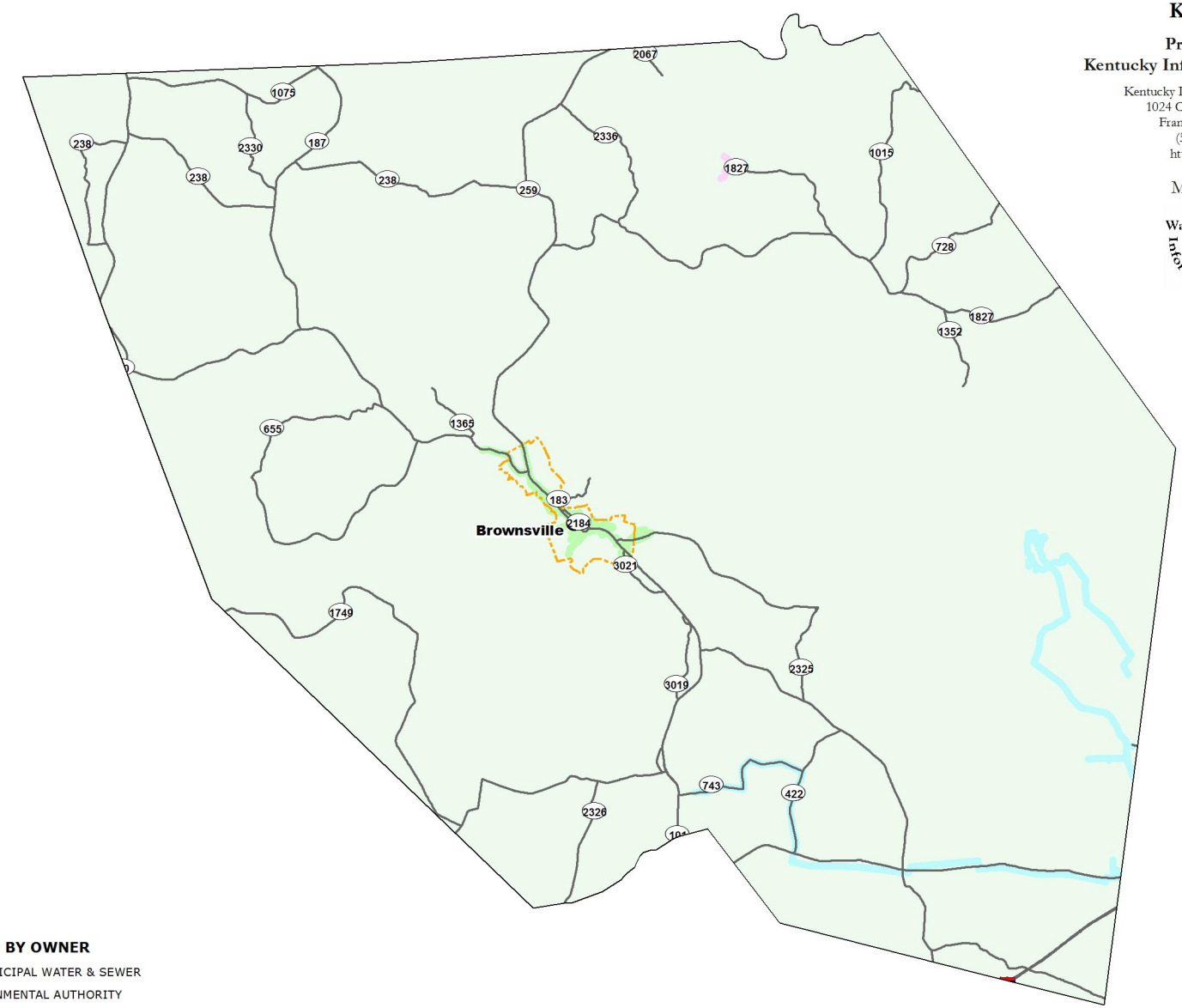
March, 2013



SEWER SERVICE BY OWNER

- BROWNSVILLE MUNICIPAL WATER & SEWER
- CAVELAND ENVIRONMENTAL AUTHORITY
- NOLIN LAKE STATE PARK

System Summary for Brownsville Municipal Water & Sewer

Permit ID	KY0023396	Treats Wastewater	Yes, 0.12 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	495
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.10	Total KISOP Treated (MG)	-
Residential Customers	403	Total Treated (MG)	32.850
Commercial Customers	86	Number of Manholes	163
Institutional Customers	6	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	1	Has Facility Plan	Yes, 55% Constructed
Total Collection System Line Length = 7.60 miles (Collection: 7.50 miles, Interceptors: 0.10 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	$7,843,771	Edmonson	10	1
SX21061007	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	$3,315,000	Edmonson	19	2

System Summary for Edmonson Co Water Collection

Permit ID	KYP000088	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	98
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	24	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	80	Total Treated (MG)	-
Commercial Customers	18	Number of Manholes	1
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 22.64 miles (Collection: 22.64 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Edmonson Co Water Collection

System Summary for Edmonson Co Water District

Permit ID	KYP000087	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 3.59 miles (Collection: 3.59 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Edmonson Co Water District

Hart County

- 2010 census population of 18,199 (8,559 households) with 28% serviceable.
- Projected 2020 population of 18,690 (change of 491).
- Hart County has 65.43 miles of existing sewer lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,622,525.
- 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 sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 9 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 3,428 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Caveland Environmental Authority	2	$5,742,000	2	3,422	1.00	-	-
City of Munfordville	2	$2,880,525	7	6	1.00	1.00	-
Totals:	**4**	**$8,622,525**	**9**	**3,428**	**2.00**	**1.00**	**-**

Public Wastewater Systems in Hart County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0091561	Caveland Environmental Authority	Hart	3,349	1,620
KY0031755	Munfordville Municipal Water/Sewer Commission	Hart	1,584	780
		Totals:	4,933	2,400

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HART COUNTY
Kentucky

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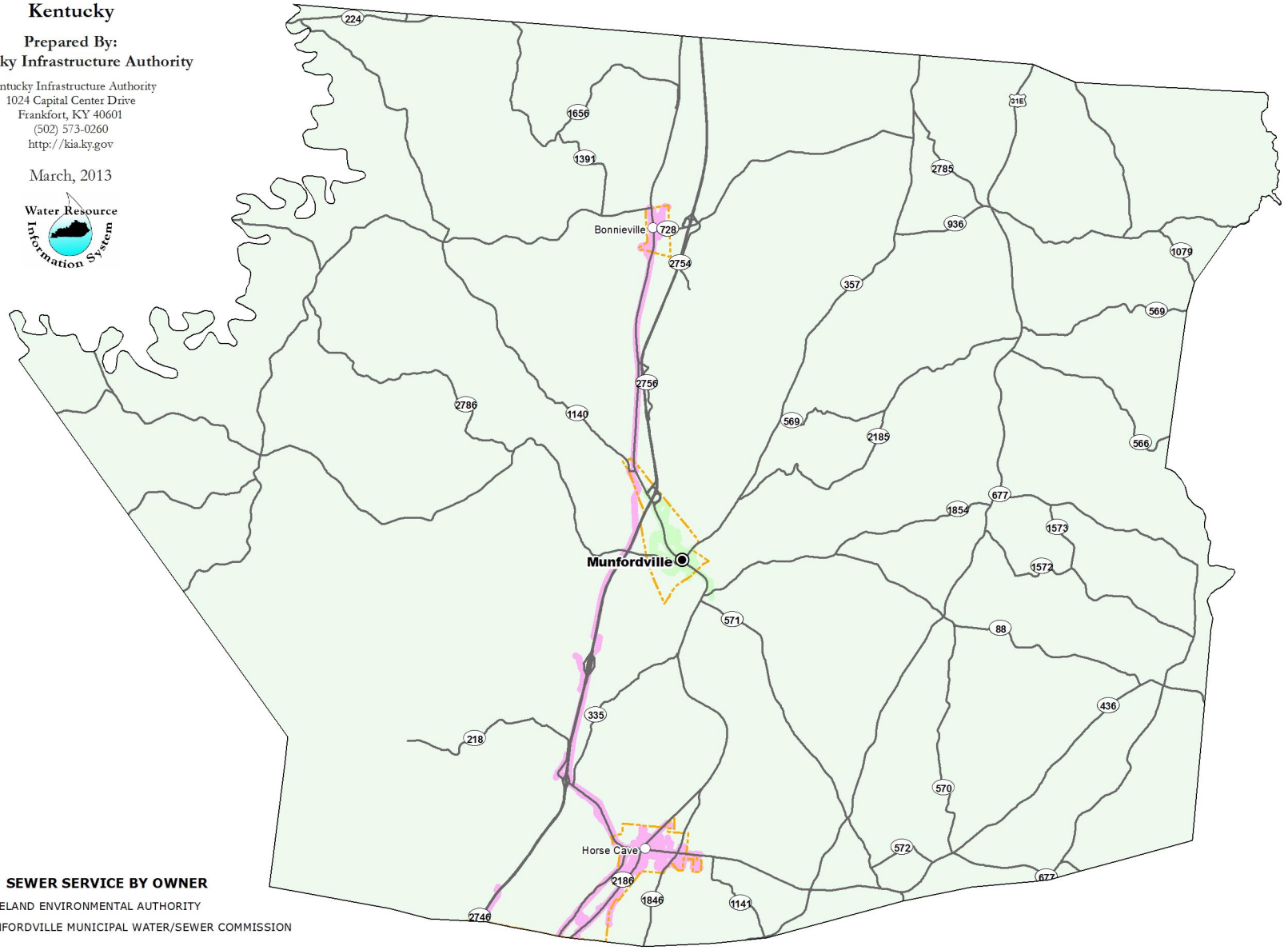
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- CAVELAND ENVIRONMENTAL AUTHORITY
- MUNFORDVILLE MUNICIPAL WATER/SEWER COMMISSION

System Summary for Caveland Environmental Authority

Permit ID	KY0091561	Treats Wastewater	Yes, 0.2 MGD with 0.172 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,485
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	19	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$61.20	Total KISOP Treated (MG)	-
Residential Customers	2,375	Total Treated (MG)	171.185
Commercial Customers	108	Number of Manholes	85
Institutional Customers	-	Number of Lift Stations	34
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	1	Has Facility Plan	Yes, 65% Constructed
Total Collection System Line Length = 115.21 miles (Collection: 115.21 miles, Interceptors: 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
SX21009044	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	$1,000,000	Barren	1	1
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	$7,843,771	Edmonson	10	1
SX21099023	Horse Cave Regional Water Replacement Facility Expansion Project	0-2 Years	Not Funded	$5,342,000	Hart	11	2
SX21009045	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	$900,000	Barren	16	2
SX21009049	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	$505,000	Barren	21	3

System Summary for Munfordville Municipal Water/Sewer Commission

Permit ID	KY0031755	Treats Wastewater	Yes, 0.26 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	491
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.80	Total KISOP Treated (MG)	-
Residential Customers	393	Total Treated (MG)	29.200
Commercial Customers	96	Number of Manholes	500
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	2	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 14.23 miles (Collection: 13.68 miles, Interceptors: 0.55 miles).			

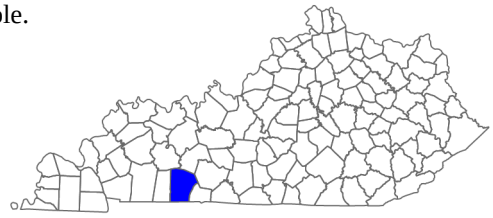
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Munfordville Municipal Water/Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21099021	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	$1,450,000	Hart	9	1
SX21099022	Munfordville Sewer Extensions and Pump Station Rehabilitations	0-2 Years	Not Funded	$1,430,525	Hart	22	3
SX21099006	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	$400,000	Hart	32	4

Logan County

- 2010 census population of 26,835 (12,339 households) with 40% serviceable.
- Projected 2020 population of 27,382 (change of 547).
- Logan County has 105.01 miles of existing sewer lines.
- 42.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $33,514,000.
- Estimated funding needs for projects from 6 to 10 years: $8,950,000.



Logan County has a 2010 census population count of 26,835 (12,339 households) with a projected 2020 population count of 27,382 (11,301 households). Public sewer is currently available to approximately 40 percent of the county's households based on 2010 census counts. Over the next ten years approximately 864 serviceable households will be added through the construction of 42.00 miles of sewer line extensions and approximately 1,290 instances of improved service through the rehabilitation of 4.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Adairville	3	$795,000	-	-	2.00	-	-
City of Auburn	4	$14,150,000	1	97	3.00	1.00	-
City of Lewisburg	2	$1,562,000	-	358	-	1.00	-
City of Russellville	10	$25,957,000	863	835	37.00	2.00	-
Totals:	**19**	**$42,464,000**	**864**	**1,290**	**42.00**	**4.00**	**-**

Public Wastewater Systems in Logan County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020885	Adairville Sewer Department	Logan	890	432
KY0021202	Auburn Sewer Department	Logan	1,459	680
KY0024881	Lewisburg Municipal Water & Sewer Department	Logan	856	461
KY0020877	Russellville Municipal Sewer Department	Logan	6,840	3,317
		Totals:	10,045	4,890

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LOGAN COUNTY
Kentucky

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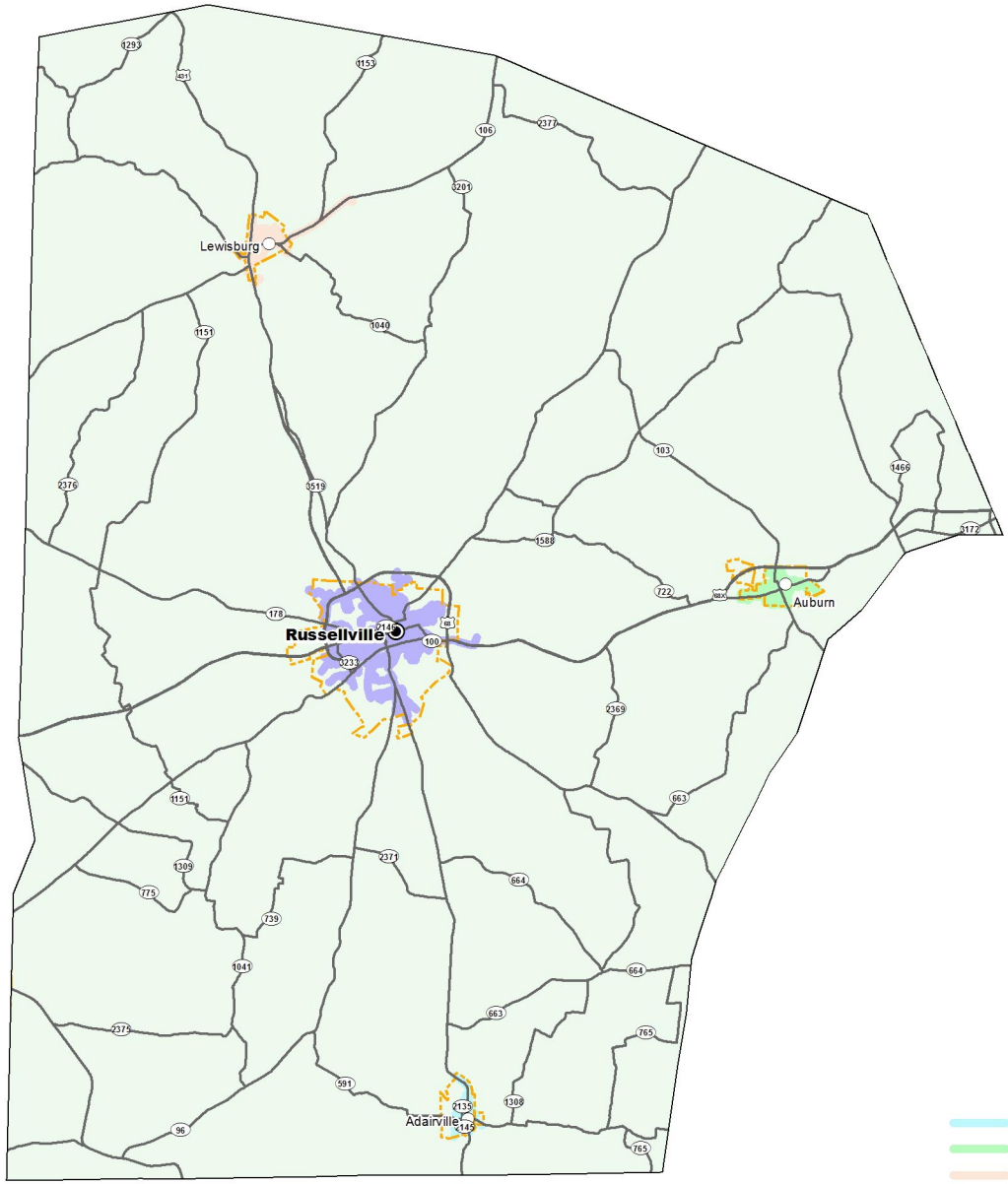


SEWER SERVICE BY OWNER

- ADAIRVILLE SEWER DEPARTMENT
- AUBURN SEWER DEPARTMENT
- LEWISBURG MUNICIPAL WATER & SEWER DEPARTMENT
- RUSSELLVILLE MUNICIPAL SEWER DEPARTMENT

System Summary for Adairville Sewer Department

Permit ID	KY0020885	Treats Wastewater	Yes, 0.26 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	362
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	-
Residential Customers	334	Total Treated (MG)	14.145
Commercial Customers	27	Number of Manholes	141
Institutional Customers	1	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 8.07 miles (Collection: 7.99 miles, Interceptors: 0.09 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Adairville Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21141003	Adairville Project 3 - Industrial Park Sewer Lines / Lift St	6-10 Years	Not Funded	$500,000	Logan		
SX21141002	Adairville Project 2 - Red River Drive / First Street Sewer Ext	0-2 Years	Not Funded	$195,000	Logan		
SX21141005	Adairville Project 5 - Sewer Line Ext West of Cemetery Street	6-10 Years	Not Funded	$100,000	Logan		

System Summary for Auburn Sewer Department

Permit ID	KY0021202	Treats Wastewater	Yes, 0.35 MGD with 0.31 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	700
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$45.23	Total KISOP Treated (MG)	-
Residential Customers	687	Total Treated (MG)	66.058
Commercial Customers	8	Number of Manholes	192
Institutional Customers	3	Number of Lift Stations	9
Industrial Customers	2	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 14.66 miles (Collection: 14.64 miles, Interceptors: 0.02 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21141048	City of Auburn - Upgrade of Existing Wastewater Treatment Plant	3-5 Years	Partially Funded	$6,600,000	Logan	13	2
SX21141024	City of Auburn - Wastewater Project #2 - Replace Lift Stations	3-5 Years	Not Funded	$750,000	Logan	35	4
SX21141023	City of Auburn Wastewater Project #1	0-2 Years	Not Funded	$5,800,000	Logan		
SX21141047	Sewer System Extension Project	0-2 Years	Not Funded	$1,000,000	Logan		

System Summary for Lewisburg Municipal Water & Sewer Department

Permit ID	KY0024881	Treats Wastewater	Yes, 0.35 MGD with 0.26 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	364
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.72	Total KISOP Treated (MG)	-
Residential Customers	320	Total Treated (MG)	128.000
Commercial Customers	40	Number of Manholes	350
Institutional Customers	2	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	98%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 13.81 miles (Collection: 11.14 miles, Interceptors: 2.66 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21141014	Lewisburg Sewer System Upgrade	0-2 Years	Partially Funded	$1,500,000	Logan	5	1
SX21141042	City of Lewisburg - Line C Collection System Replacement	3-5 Years	Not Funded	$62,000	Logan	24	3

System Summary for Russellville Municipal Sewer Department

Permit ID	KY0020877	Treats Wastewater	Yes, 2.4 MGD with 0.92 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,870
Owner Type	Incorporated City	KISOP Sender	No
Employees	11	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.80	Total KISOP Treated (MG)	-
Residential Customers	2,267	Total Treated (MG)	423.700
Commercial Customers	481	Number of Manholes	1097
Institutional Customers	110	Number of Lift Stations	10
Industrial Customers	7	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 68.47 miles (Collection: 68.25 miles, Interceptors: 0.22 miles).			

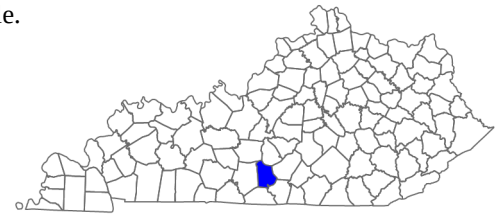
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Russellville Municipal Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21141035	Russellville - Hwy 431 South Sewer Project	3-5 Years	Not Funded	$4,150,000	Logan	40	5
SX21141037	Russellville - Hwy 68-80 East Sewer Project	6-10 Years	Not Funded	$8,350,000	Logan		
SX21141028	Russellville Wastewater Project #3	0-2 Years	Not Funded	$2,820,000	Logan		
SX21141039	Russellville Hwy 68-80 West Sewer	3-5 Years	Not Funded	$2,000,000	Logan		
SX21141036	Russellville - Franklin Road Sewer Project	3-5 Years	Not Funded	$1,020,000	Logan		
SX21141034	Russellville Greens Sewer Project	3-5 Years	Not Funded	$595,000	Logan		
SX21141038	Russellville Hickory Hill Lane Sewer Project	3-5 Years	Not Funded	$155,000	Logan		
SX21141044	City of Russellville Relocation & Improvements to Sanitary Sewer	3-5 Years	Not Funded	$92,000	Logan		

Metcalfe County

- 2010 census population of 10,099 (4,681 households) with 18% serviceable.
- Projected 2020 population of 10,329 (change of 230).
- Metcalfe County has 22.02 miles of existing sewer lines.
- 5.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,665,000.
- There are no projects planned from 6 to 10 years.



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 sewer is currently available to approximately 18 percent of the county's households based on 2010 census counts. Over the next ten years approximately 24 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 1,497 instances of improved service through system wide upgrades. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Edmonton	7	$2,665,000	24	1,497	5.00	-	1.00
Totals:	**7**	**$2,665,000**	**24**	**1,497**	**5.00**	**-**	**1.00**

Public Wastewater Systems in Metcalfe County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028100	Edmonton Water Works	Metcalfe	1,625	824
		Totals:	1,625	824

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
METCALFE COUNTY
Kentucky

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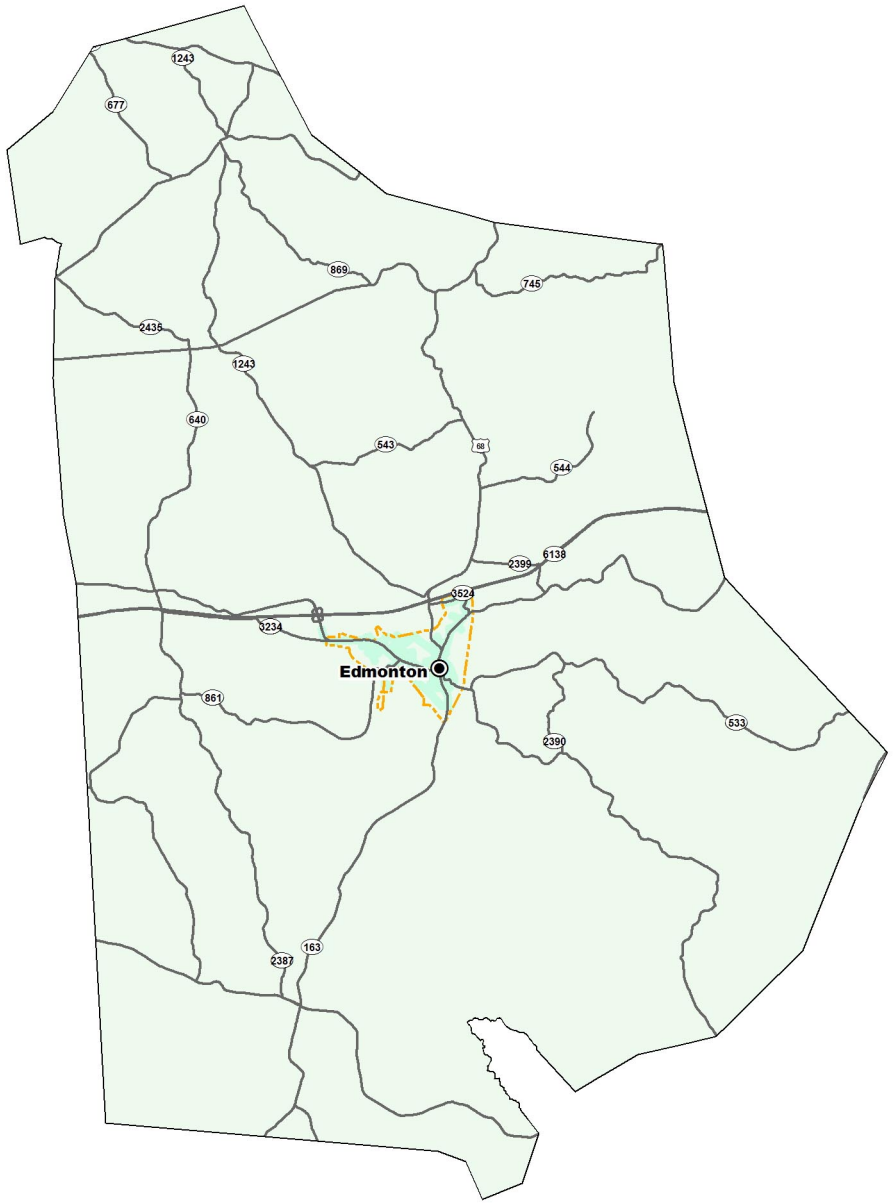

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SEWER SERVICE BY OWNER

EDMONTON WATER WORKS

System Summary for Edmonton Water Works

Permit ID	KY0028100	Treats Wastewater	Yes, 0.51 MGD with 0.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	689
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.15	Total KISOP Treated (MG)	-
Residential Customers	519	Total Treated (MG)	73.000
Commercial Customers	164	Number of Manholes	386
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	4	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 22.02 miles (Collection: 21.67 miles, Interceptors: 0.35 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
SX21169007	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	$400,000	Metcalfe	6	1
SX21169011	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	$350,000	Metcalfe	18	2
SX21169008	Edmonton - River Road Project Extension	3-5 Years	Not Funded	$300,000	Metcalfe	36	4
SX21169005	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	$25,000	Metcalfe	42	5
SX21169002	Highway 68 North Sewer Service Project	0-2 Years	Not Funded	$740,000	Metcalfe		
SX21169012	Edmonton - Old Glasgow Street Area Extension	3-5 Years	Not Funded	$300,000	Metcalfe		

Monroe County

- 2010 census population of 10,963 (5,204 households) with 31% serviceable.
- Projected 2020 population of 10,405 (change of -558).
- Monroe County has 45.19 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,729,323.
- There are no projects planned from 6 to 10 years.

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 sewer is currently available to approximately 31 percent of the county's households based on 2010 census counts. Over the next ten years approximately 49 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 1,410 instances of improved service through the rehabilitation of 2.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Tompkinsville	3	$3,536,323	49	852	5.00	2.00	-
Fountain Run Water District #1	1	$193,000	-	558	-	-	-
Totals:	**4**	**$3,729,323**	**49**	**1,410**	**5.00**	**2.00**	**-**

Public Wastewater Systems in Monroe County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KIA171001	Fountain Run Water District #1	Monroe	226	132
KY0095257	Gamaliel Municipal Water & Wastewater Department	Monroe	488	229
KY0020702	Tompkinsville Sewer Department	Monroe	2,458	1,228
		Totals:	3,172	1,589

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MONROE COUNTY
Kentucky

Prepared By:
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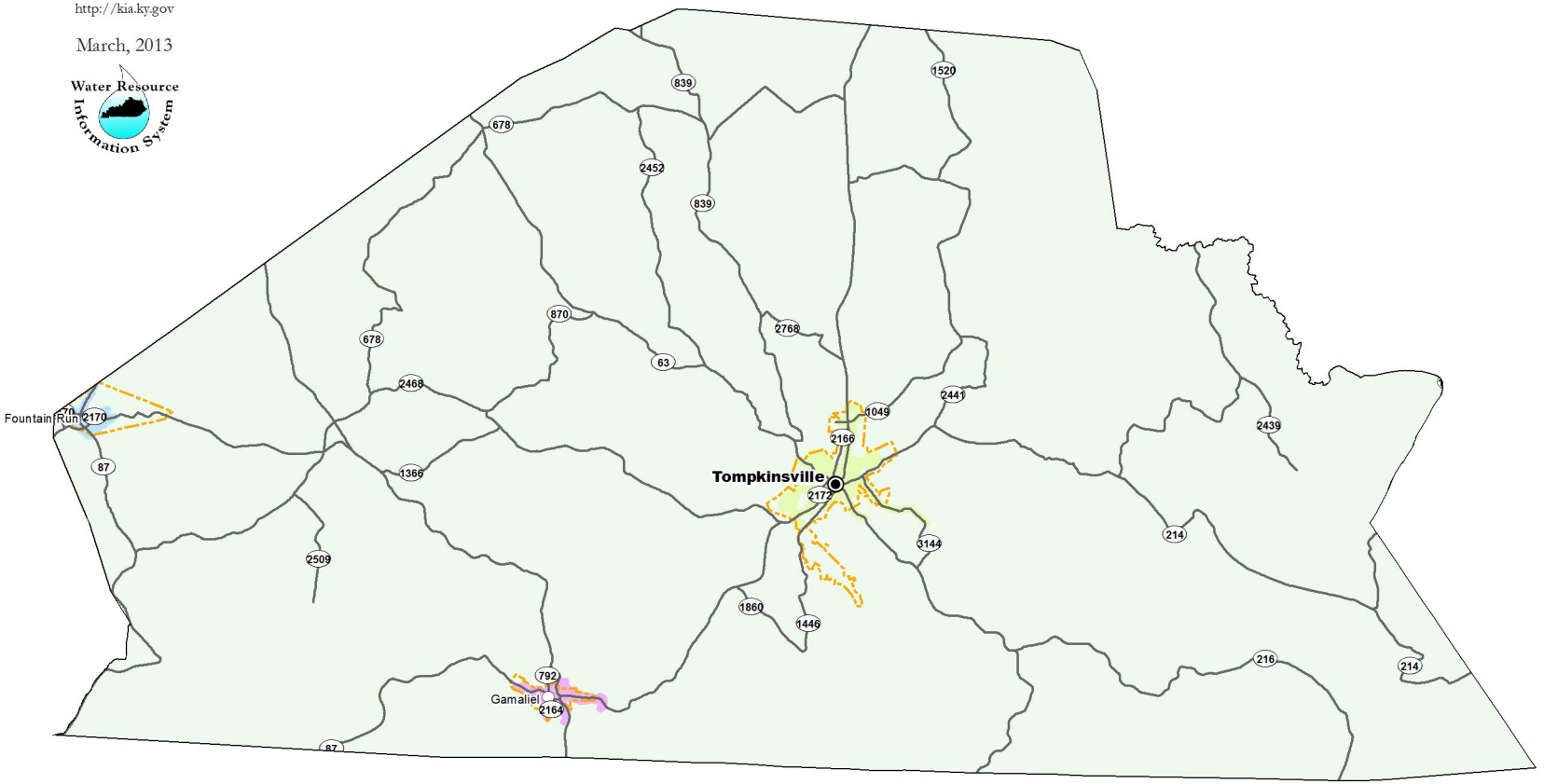


SEWER SERVICE BY OWNER

- FOUNTAIN RUN WATER DISTRICT #1
- GAMALIEL MUNICIPAL WATER & WASTEWATER DEPARTMENT
- TOMPKINSVILLE SEWER DEPARTMENT

System Summary for Fountain Run Water District #1

Permit ID	KIA171001	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	107
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.80	Total KISOP Treated (MG)	-
Residential Customers	105	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.62 miles (Collection: 6.62 miles, Interceptors: 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
SX21171018	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	$193,000	Monroe	28	3

System Summary for Gamaliel Municipal Water & Wastewater Department

Permit ID	KY0095257	Treats Wastewater	Yes, 0.1 MGD with 0.055 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	225
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.96	Total KISOP Treated (MG)	-
Residential Customers	209	Total Treated (MG)	14.900
Commercial Customers	15	Number of Manholes	11
Institutional Customers	1	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 12.20 miles (Collection: 12.05 miles, Interceptors: 0.15 miles).			

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

There are no immediate projects for Gamaliel Municipal Water & Wastewater Department

System Summary for Tompkinsville Sewer Department

Permit ID	KY0020702	Treats Wastewater	Yes, 0.67 MGD with 0.26 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	940
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.98	Total KISOP Treated (MG)	-
Residential Customers	740	Total Treated (MG)	136.875
Commercial Customers	165	Number of Manholes	269
Institutional Customers	34	Number of Lift Stations	11
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 26.34 miles (Collection: 26.34 miles, Interceptors: 0.00 miles).			

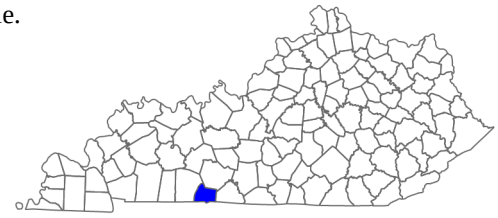
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Tompkinsville Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21171020	Tompkinsville WWTP Expansion & Sanitary Sewer Collection Improve	0-2 Years	Not Funded	$2,386,448	Monroe	4	1
SX21171003	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	$1,000,000	Monroe	15	2

Simpson County

- 2010 census population of 17,327 (7,435 households) with 61% serviceable.
- Projected 2020 population of 18,342 (change of 1,015).
- Simpson County has 89.10 miles of existing sewer lines.
- 31.00 miles of line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $29,591,144.
- There are no projects planned from 6 to 10 years.



Simpson County has a 2010 census population count of 17,327 (7,435 households) with a projected 2020 population count of 18,342 (7,429 households). Public sewer is currently available to approximately 61 percent of the county's households based on 2010 census counts. Over the next ten years approximately 699 serviceable households will be added through the construction of 31.00 miles of sewer line extensions and approximately 516 instances of improved service through the rehabilitation of 11.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Franklin	11	$25,803,338	500	516	11.00	11.00	-
Simpson County Water District	4	$3,787,806	199	-	20.00	-	-
Totals:	**15**	**$29,591,144**	**699**	**516**	**31.00**	**11.00**	**-**

Public Wastewater Systems in Simpson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0027456	Franklin Sewer Department	Simpson	10,201	4,503
		Totals:	10,201	4,503

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
SIMPSON COUNTY
Kentucky

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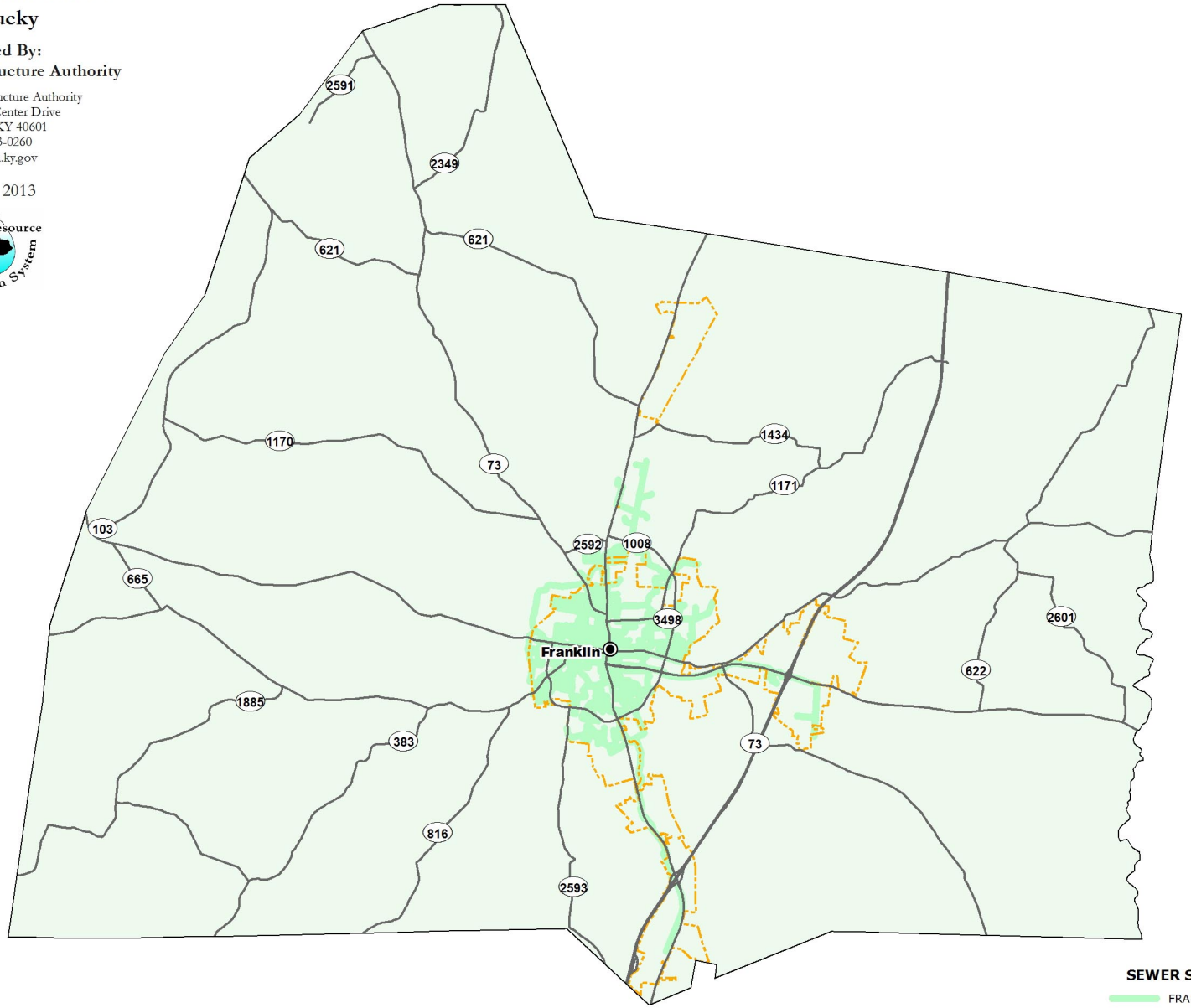


System Summary for Franklin Sewer Department

Permit ID	KY0027456	Treats Wastewater	Yes, 4 MGD with 2.7 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3,489
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.19	Total KISOP Treated (MG)	-
Residential Customers	3,019	Total Treated (MG)	970.000
Commercial Customers	460	Number of Manholes	1144
Institutional Customers	4	Number of Lift Stations	13
Industrial Customers	15	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 89.10 miles (Collection: 82.82 miles, Interceptors: 6.28 miles).			

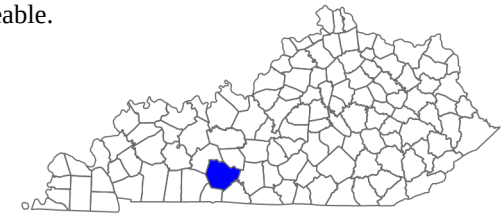
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Franklin Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21213031	City of Franklin - High St Sewer Project	0-2 Years	Not Funded	$1,133,750	Simpson	20	2
SX21213035	City of Franklin - Morgantown Rd Sewer Project	0-2 Years	Not Funded	$4,045,000	Simpson	27	3
SX21213017	City of Franklin - North Franklin Sewer Line Extensions	0-2 Years	Not Funded	$6,074,462	Simpson	37	4
SX21213027	City of Franklin - Manhole Rehabilitation Project	3-5 Years	Not Funded	$258,750	Simpson	45	5
SX21213028	City of Franklin - Sewer Upgrades to Ky Downs	3-5 Years	Partially Funded	$9,650,000	Simpson		
SX21213013	City of Franklin - Patton Rd Sub 8" Sewer	0-2 Years	Not Funded	$2,312,000	Simpson		
SX21213011	SCWD - Hwy 100 West Area Sewer	3-5 Years	Not Funded	$1,315,160	Simpson		
SX21213009	SCWD - Gold City Area Sewer	3-5 Years	Not Funded	$1,046,650	Simpson		
SX21213008	SCWD - Hwy 100 East Area Sewer	3-5 Years	Not Funded	$853,160	Simpson		
SX21213015	City of Franklin - Broderson Trailer Park Sewer	0-2 Years	Not Funded	$815,676	Simpson		
SX21213019	City of Franklin - Highlands Subdivision Sewer Line Replacement	3-5 Years	Not Funded	$630,000	Simpson		
SX21213010	SCWD - Hwy 31W North Area Sewer	3-5 Years	Not Funded	$572,836	Simpson		
SX21213026	City of Franklin - North Industrial Park Sewer Extension	0-2 Years	Not Funded	$550,000	Simpson		
SX21213036	City of Franklin - Lamb Drive Sewer Line Replacement	0-2 Years	Not Funded	$100,000	Simpson		

Warren County

- 2010 census population of 113,792 (47,223 households) with 62% serviceable.
- Projected 2020 population of 137,250 (change of 23,458).
- Warren County has 394.91 miles of existing sewer lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $20,801,000.
- Estimated funding needs for projects from 6 to 10 years: $2,578,000.



Warren County has a 2010 census population count of 113,792 (47,223 households) with a projected 2020 population count of 137,250 (54,299 households). Public sewer is currently available to approximately 62 percent of the county's households based on 2010 census counts. Over the next ten years approximately 4 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 3,146 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 6.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Bowling Green Municipal Utilities	12	$13,260,000	-	3,000	-	-	6.00
Warren County Water District	13	$10,119,000	4	146	8.00	4.00	-
Totals:	**25**	**$23,379,000**	**4**	**3,146**	**8.00**	**4.00**	**6.00**

Public Wastewater Systems in Warren County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0022403	Bowling Green Municipal Utilities	Warren	54,421	23,172
KYP000032	Warren County Water District	Warren	15,078	6,156
		Totals:	69,499	29,328

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
WARREN COUNTY
Kentucky

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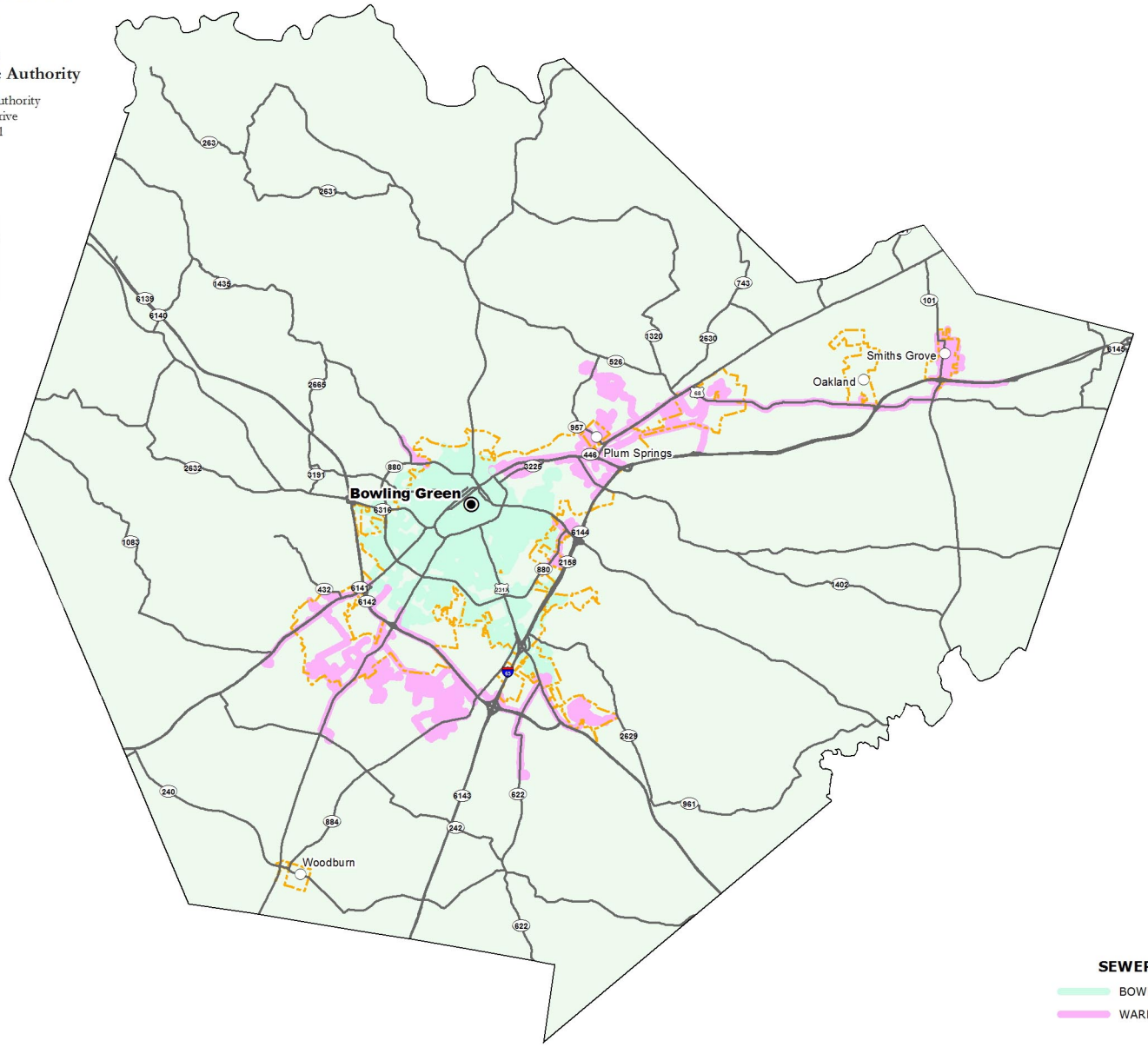
Water Resource Information System



System Summary for Bowling Green Municipal Utilities

Permit ID	KY0022403	Treats Wastewater	Yes, 15 MGD with 12 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	20,713
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	65	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.34	Total KISOP Treated (MG)	705.780
Residential Customers	16,802	Total Treated (MG)	2,150.000
Commercial Customers	3,600	Number of Manholes	5336
Institutional Customers	10	Number of Lift Stations	51
Industrial Customers	300	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 243.81 miles (Collection: 242.01 miles, Interceptors: 1.79 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21227074	BGMU - Industrial Dr Interceptor	3-5 Years	Not Funded	$8,000,000	Warren	14	2
SX21227048	BGMU - Emergency Generator for Jennings Creek Lift Station	0-2 Years	Not Funded	$130,000	Warren	34	4
SX21227079	BGMU - Collet and Fairview Sanitary Sewer Interceptor Rehabilitation	3-5 Years	Not Funded	$1,850,000	Warren		
SX21227021	BGMU - Interceptor Cleaning & Video	0-2 Years	Not Funded	$500,000	Warren		
SX21227063	BGMU- CCTV Assessment of Sewer Basins	0-2 Years	Not Funded	$500,000	Warren		
SX21227069	BGMU - Sewer Line Rehabilitation	3-5 Years	Not Funded	$500,000	Warren		
SX21227072	BGMU - Odor Control Upgrade - Nashville Rd	0-2 Years	Not Funded	$500,000	Warren		
SX21227068	BGMU - Sewer Pump Station Rehabilitation	0-2 Years	Not Funded	$300,000	Warren		
SX21227008	BGMU - Hydraulic Model	0-2 Years	Not Funded	$300,000	Warren		
SX21227062	BGMU - Jennings Creek Interceptor Rehabilitation Project	0-2 Years	Not Funded	$300,000	Warren		

System Summary for Green Valley MHP

Permit ID	KY0080659	Treats Wastewater	Yes, 0.015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.08 miles (Collection: 0.08 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Green Valley MHP

System Summary for Warren County Water District

Permit ID	KYP000032	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	6,157
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	8	Total KISOP Sent (MG)	705.780
Cost Per 4000 Gallons	$26.74	Total KISOP Treated (MG)	-
Residential Customers	5,641	Total Treated (MG)	-
Commercial Customers	516	Number of Manholes	2219
Institutional Customers	-	Number of Lift Stations	52
Industrial Customers	-	Percent Lines 20 yrs or Older	30%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed

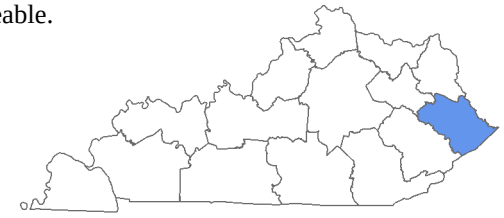
Total Collection System Line Length = 150.98 miles (Collection: 142.96 miles, Interceptors: 8.02 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21227082	WCWD - Plum Springs Area Sewer Rehab and Replacement	0-2 Years	Not Funded	$3,000,000	Warren	7	1
SX21227036	WCWD - Pioneer Drive/Twn Lift Station Upgrade	6-10 Years	Not Funded	$200,000	Warren	23	3
SX21227059	WCWD - Memphis Junction Lift Station Upgrade	3-5 Years	Not Funded	$1,243,000	Warren	43	5
SX21227061	WCWD - Richpond Interceptor	6-10 Years	Not Funded	$1,440,000	Warren		
SX21227060	WCWD - Dillard Rd. Lift Station	0-2 Years	Not Funded	$1,209,000	Warren		
SX21227077	WCWD - Allen County Sewer Extension	0-2 Years	Not Funded	$1,200,000	Allen		
SX21227045	WCWD- Basil Griffin Park Lift Station, Phase 2	3-5 Years	Not Funded	$835,000	Warren		
SX21227030	WCWD - Hwy 68 West Lift Station Upgrade	0-2 Years	Not Funded	$500,000	Warren		
SX21227067	WCWD - Hunters Point Interceptor	6-10 Years	Not Funded	$440,000	Warren		
SX21227057	WCWD - Hidden River Interceptor	3-5 Years	Not Funded	$372,000	Warren		
SX21227031	WCWD - Extend 14-Inch BGMU Force Main to WWTP	6-10 Years	Not Funded	$298,000	Warren		
SX21227043	WCWD - Hidden River #1 LS Upgrade, Phase 2	3-5 Years	Not Funded	$282,000	Warren		
SX21227034	WCWD - Elrod Road Lift Station Upgrade	6-10 Years	Not Funded	$200,000	Warren		
SX21227058	WCWD - Ewing Ford Lift Station Upgrade	3-5 Years	Not Funded	$100,000	Warren		

Big Sandy Area Development District (BSADD)



- 2010 census population of 154,093 (70,217 households) with 28% serviceable.
- Projected 2020 population of 148,051 (change of -6,042).
- 404.69 miles of existing sewer lines.
- 116.00 miles of line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- 10.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $103,612,420.
- Estimated funding needs for projects from 6 to 10 years: $15,243,460.
- Average age of wastewater treatment plants is 25 years.
- Total number of interconnected systems is 1.
- 100 miles of sewer lines less than 15 years old.
- 224 miles of sewer lines between 15 and 30 years old.
- 15 miles of sewer lines between 31 and 50 years old.
- 59 miles of sewer lines between 51 and 70 years old.
- 2 miles of sewer lines greater than 70 years old.

Big Sandy Area Development District has a 2010 census population count of 154,093 (70,217 households) with a projected 2020 population count of 148,051 (61,704 households). Public sewer is currently available to approximately 28 percent of the district's households based on 2010 census counts. Over the next ten years approximately 6,172 serviceable households will be added through the construction of 116.00 miles of sewer line extensions and approximately 9,920 instances of improved service through the rehabilitation of 11.00 miles of existing sewer lines and other appurtenances. 10.00 miles of interceptor lines are also proposed within this district.

County Summary for Big Sandy Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Floyd	39,451	18,175	37,153	15,594	5,652	31%	$ 37,064,129
Johnson	23,356	10,624	23,265	9,647	3,407	32%	$ 28,227,030
Magoffin	13,333	5,950	13,587	5,696	1,385	23%	$ 5,163,985
Martin	12,929	5,164	12,055	4,410	1,060	21%	$ 4,357,738
Pike	65,024	30,304	61,991	26,357	8,015	26%	$ 44,042,998
Totals	**154,093**	**70,217**	**148,051**	**61,704**	**19,519**	**28%**	**$ 118,855,880**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

BSADD

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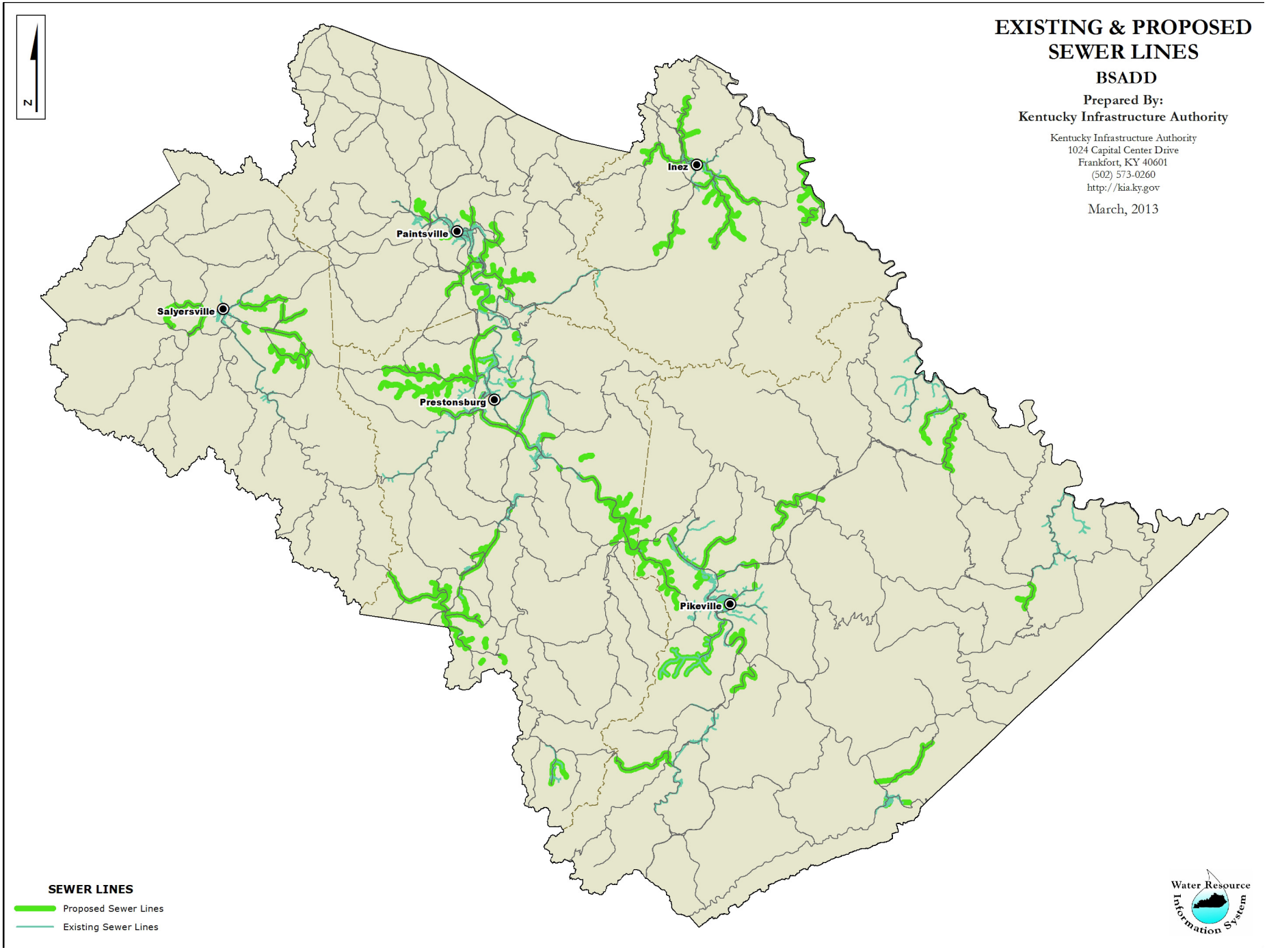


Public Sewer Systems in the Big Sandy Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026921	Martin Water Works	Floyd	916	501
KY0027413	Prestonsburg City's Utilities Commission	Floyd	7,680	3,568
KY0107051	Prestonsburg City's Utilities Commission - Eastern Sewer Plant	Floyd	125	54
KY0109258	Prestonsburg City's Utilities Commission - Harold	Floyd	1,070	498
KY0105228	Prestonsburg City's Utilities Commission - Wayland	Floyd	479	238
KY0028789	Wheelwright Utilities Commission	Floyd	933	379
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	2,790	1,161
KY0020630	Paintsville Utilities Commission - Paintsville STP	Johnson	5,252	2,530
KY0083208	Paintsville Utilities Commission - Thelma Waste Control Inc #1	Johnson	154	109
KY0083895	Paintsville Utilities Commission - Thelma Waste Control Inc #2	Johnson	56	22
KY0104540	Salyersville Water Works	Magoffin	3,093	1,385
KY0079316	Martin County Sanitation District	Martin	1,289	601
KY0107905	Martin County Sanitation District - Tug Valley Sewer Authority	Martin	868	458
KY0025291	City of Pikeville	Pike	9,564	4,426
KY0020958	Elkhorn City Water Department	Pike	1,072	532
KYP000067	Mountain Water District	Pike	2,069	989
KY0042811	Mountain Water District - Douglas	Pike	2,216	1,100
KY0104442	Mountain Water District - Phelps Freeburn	Pike	1,928	968
		Totals:	41,554	19,519

Project Rankings For Big Sandy Area Development District

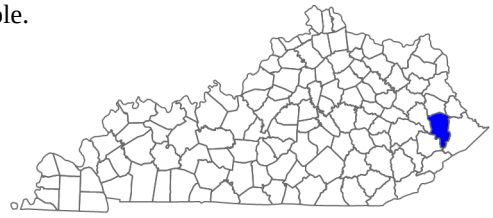
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21115003	Paintsville WWTP I & I Removal Project Phase II	3-5 Years	Not Funded	$15,122,030	Johnson	1	1
SX21071014	Prestonsburg City's Utilities Commission (PCUC) Allen and Dwale	0-2 Years	Partially Funded	$600,036	Floyd	2	1
SX21071006	City of Martin New Sewerline Extention to Eliminate Package Treatment Plants	3-5 Years	Not Funded	$2,435,000	Floyd	3	5
SX21195029	Stonecoal Sanitary Sewer Project	0-2 Years	Not Funded	$1,050,348	Pike	4	10
SX21159007	Martin County Sanitation District - Belt Press and Sludge Handling	0-2 Years	Not Funded	$2,000,000	Martin	5	2
SX21159006	Martin County Sanitation District - KY 645 Development Area Sewer Extensions	3-5 Years	Not Funded	$404,905	Martin	6	1
SX21195032	Elkhorn City - Wastewater Collection Improvements Project	0-2 Years	Not Funded	$500,000	Pike	7	1
SX21071001	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	3-5 Years	Not Funded	$150,000	Floyd	8	6
SX21071902	Wheelwright - Replacement of Sewer System	3-5 Years	Not Funded	$587,000	Floyd	9	4
SX21071012	Garth Hollow Sewerline Extension	0-2 Years	Not Funded	$429,938	Floyd	10	2
SX21115502	Paintsville Utility Commission Van Lear Waste Water Project	0-2 Years	Not Funded	$4,640,000	Johnson	11	2
SX21159009	Martin County Sewerline Extension Davellia to New Route 3	0-2 Years	Not Funded	$942,103	Martin	13	3
SX21159505	Tug Valley Sewer Project Phase II	11-20 Years	Not Funded	$4,164,240	Martin	14	5
SX21115015	Paintsville Utility Commission - Southside	11-20 Years	Not Funded	$730,900	Johnson	15	4
SX21159008	Martin County Sewerline Extension Deboard to Davellia	3-5 Years	Not Funded	$1,010,730	Martin	16	4
SX21195692	MWD - Belfry-Pond Sewer Project	0-2 Years	Partially Funded	$8,428,846	Pike	17	3
SX21115510	Paintsville Utilities Powell Addition Sewer Project	3-5 Years	Not Funded	$2,750,000	Johnson	18	3
SX21195696	MWD - Forest Hills Phase III	3-5 Years	Not Funded	$1,050,000	Pike	19	13
SX21195031	City of Coal Run Village - US 23 North Sanitary Sewer Project	0-2 Years	Not Funded	$1,173,722	Pike	20	2
SX21153509	Phase IV Burning Fork Birch to Bradley	6-10 Years	Not Funded	$2,215,700	Magoffin	21	3
SX21153004	Magoffin County Garage Lift Station and Line Replacement Project	3-5 Years	Not Funded	$735,000	Magoffin	22	1
SX21195020	Elkhorn City Upper Branch Sewer Project	3-5 Years	Not Funded	$605,000	Pike	23	7
SX21195105	Pikeville Cedar Creek Sewer Extension	0-2 Years	Not Funded	$550,000	Pike	24	9
SX21195102	Pikeville Yorkwood Forest Subdivision Sewerline Extension South Along US 23	3-5 Years	Not Funded	$391,800	Pike	25	11
SX21195028	Storm Water Separation 2nd Street	0-2 Years	Fully Funded	$29,825	Pike	26	16
SX21195131	Hurricane Creek	3-5 Years	Not Funded	$6,108,250	Pike	28	18
SX21195139	Buckleys Creek Sewer	6-10 Years	Not Funded	$355,000	Pike	29	14
SX21195026	Phelps Sanitary Sewer System Upgrades and Hydrology Study	0-2 Years	Fully Funded	$1,666,890	Pike	30	8
SX21195009	Elhorn City - Centerville Sewer Line	3-5 Years	Not Funded	$650,000	Pike	31	12
SX21195687	MWD - Indian Creek Sewer Project	3-5 Years	Not Funded	$1,350,000	Pike	32	15
SX21195693	Scott Fork Phase 2	3-5 Years	Not Funded	$14,826,122	Pike	33	17
SX21071013	Rehab Prestonsburg's Old Wastewater Treatment Plant	0-2 Years	Not Funded	$847,400	Floyd	34	3
SX21195120	Pikeville Sewer Telemetry Project	0-2 Years	Partially Funded	$375,000	Pike	35	4

Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195030	Pike County Airport Sewer Line Extension	3-5 Years	Not Funded	$2,460,150	Pike	36	5
SX21153005	Allen Drive Lift Station	0-2 Years	Not Funded	$168,285	Magoffin	37	2
			Total Cost:	**$81,504,220**			

Floyd County

- 2010 census population of 39,451 (18,175 households) with 31% serviceable.
- Projected 2020 population of 37,153 (change of -2,298).
- Floyd County has 132.57 miles of existing sewer lines.
- 39.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $32,920,129.
- Estimated funding needs for projects from 6 to 10 years: $4,144,000.



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 sewer is currently available to approximately 31 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,494 serviceable households will be added through the construction of 39.00 miles of sewer line extensions and approximately 1,483 instances of improved service through the rehabilitation of 10.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Martin	2	$2,864,938	85	3	-	-	2.00
City of Prestonsburg	2	$9,664,798	2,200	900	-	-	-
Paintsville Utility Commission	1	$15,122,030	-	-	-	-	-
Prestonsburg City's Utilities Commission	8	$8,675,363	1,149	487	38.00	9.00	-
Wheelwright Utilities Commission	2	$737,000	60	93	1.00	1.00	-
Totals:	**15**	**$37,064,129**	**3,494**	**1,483**	**39.00**	**10.00**	**2.00**

Public Wastewater Systems in Floyd County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026921	Martin Water Works	Floyd	916	501
KY0027413	Prestonsburg City's Utilities Commission	Floyd	7,680	3,568
KY0107051	Prestonsburg City's Utilities Commission - Eastern Sewer Plant	Floyd	125	54
KY0109258	Prestonsburg City's Utilities Commission - Harold	Floyd	1,070	498
KY0105228	Prestonsburg City's Utilities Commission - Wayland	Floyd	479	238
KY0028789	Wheelwright Utilities Commission	Floyd	933	379
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	859	414
		Totals:	12,062	5,652

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
FLOYD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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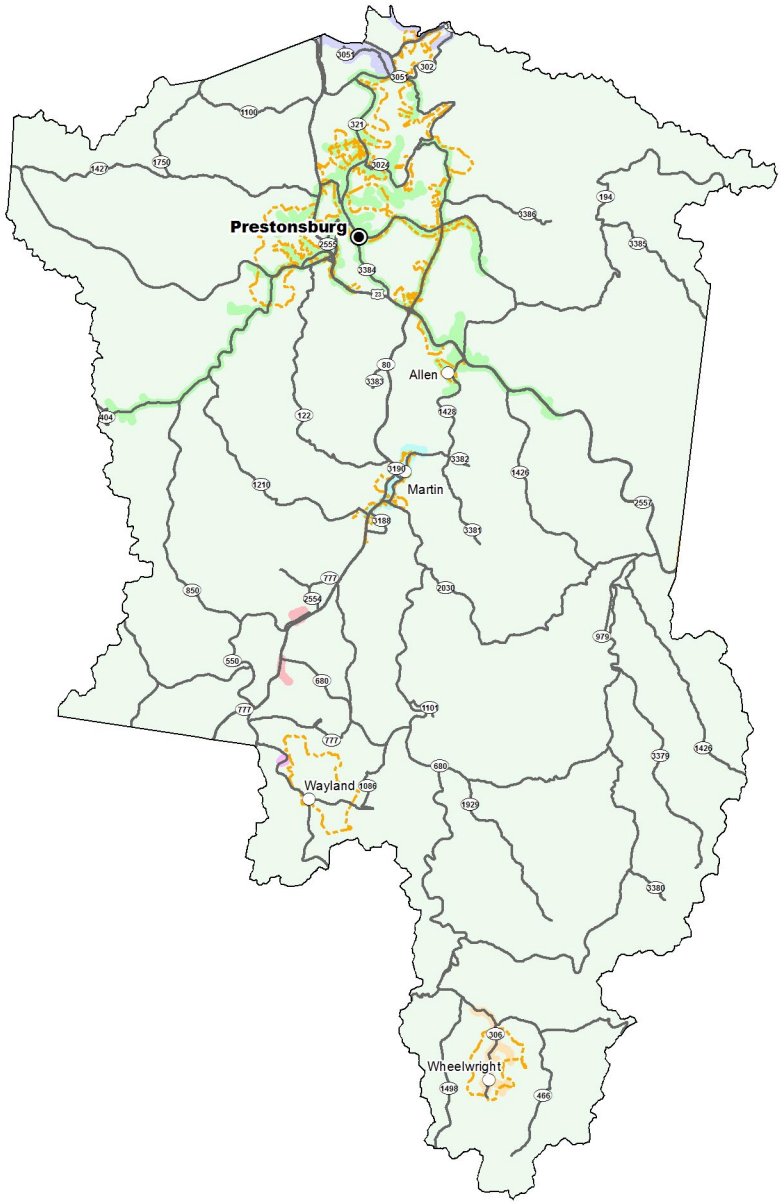
March, 2013



SEWER SERVICE BY OWNER

- MARTIN WASTEWATER TREATMENT PLANT
- PAINTSVILLE UTILITIES COMMISSION - HONEY BRANCH
- PRESTONSBURG CITY'S UTILITIES
- SOUTHERN WATER & SEWER DISTRICT - WAYLAND STP
- SOUTHERN WATER AND SEWER DISTRICT - EASTERN STP
- WHEELWRIGHT UTILITY COMMISSION

System Summary for Bear Hollow Subdivision

Permit ID	KY0103161	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	10	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Bear Hollow Subdivision

System Summary for Creekside Village Apartments

Permit ID	KY0099716	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Creekside Village Apartments

System Summary for Eagle Trace Subdivision

Permit ID	KY0103802	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	21	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Eagle Trace Subdivision

System Summary for Ivy Creek Townhouses

Permit ID	KY0081434	Treats Wastewater	Yes, 0.015 MGD with 0.015 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ivy Creek Townhouses

System Summary for Jenny Wiley State Park

Permit ID	01017014	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Jenny Wiley State Park

System Summary for Left Beaver Creek Townhouses

Permit ID	KY0096342	Treats Wastewater	Yes, 0.018 MGD with 0.018 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Left Beaver Creek Townhouses

System Summary for Martin Water Works

Permit ID	KY0026921	Treats Wastewater	Yes, 0.12 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	241
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.52	Total KISOP Treated (MG)	-
Residential Customers	196	Total Treated (MG)	13.485
Commercial Customers	45	Number of Manholes	45
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 10.79 miles (Collection: 10.79 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21071006	City of Martin New Sewerline Extention to Eliminate Package Treatment Plants	3-5 Years	Not Funded	$2,435,000	Floyd	3	5
SX21071012	Garth Hollow Sewerline Extension	0-2 Years	Not Funded	$429,938	Floyd	10	2

System Summary for Mellowbrook Apartments

Permit ID	KY0102229	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.06 miles (Collection: 0.06 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Mellowbrook Apartments

System Summary for Music Manor Property Owners

Permit ID	KY0095991	Treats Wastewater	Yes, 0.0025 MGD with 0.00075 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Music Manor Property Owners

System Summary for Park Place Apartments Limited

Permit ID	KY0101044	Treats Wastewater	Yes, 0.0092 MGD with 0.0056 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Park Place Apartments Limited

System Summary for Prestonsburg City's Utilities Commission

Permit ID	KY0027413	Treats Wastewater	Yes, 0.75 MGD with 0.8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,810
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	19	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.77	Total KISOP Treated (MG)	-
Residential Customers	2,206	Total Treated (MG)	292.000
Commercial Customers	604	Number of Manholes	1100
Institutional Customers	-	Number of Lift Stations	36
Industrial Customers	-	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 86.69 miles (Collection: 86.69 miles, Interceptors: 0.00 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
SX21071014	Prestonsburg City’s Utilities Commission (PCUC) Allen and Dwale	0-2 Years	Partially Funded	$600,036	Floyd	2	1
SX21071013	Rehab Prestonsburg's Old Wastewater Treatment Plant	0-2 Years	Not Funded	$847,400	Floyd	34	3
SX21071007	PCUC: Big Sandy Regional Waste Water Treatment Plant	0-2 Years	Partially Funded	$8,817,398	Floyd		
SX21071233	PCUC - Upper Abbott Creek Sewer System Extension	6-10 Years	Not Funded	$2,144,000	Floyd		
SX21071220	PCUC - By Pass Force Main Around Town	3-5 Years	Not Funded	$1,493,000	Floyd		
SX21071234	PCUC - Lakeview Village Sewer System	0-2 Years	Not Funded	$212,000	Floyd		

System Summary for Prestonsburg City's Utilities Commission - Eastern Sewer Plant

Permit ID	KY0107051	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	36
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.42	Total KISOP Treated (MG)	-
Residential Customers	34	Total Treated (MG)	0.730
Commercial Customers	2	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed

Total Collection System Line Length = 2.04 miles (Collection: 2.04 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21071002	Sewer Line Extension From New Plant At Eastern	3-5 Years	Not Funded	$500,000	Floyd		

System Summary for Prestonsburg City's Utilities Commission - Harold

Permit ID	KY0109258	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	127
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.42	Total KISOP Treated (MG)	-
Residential Customers	122	Total Treated (MG)	1.200
Commercial Customers	5	Number of Manholes	4
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 12.28 miles (Collection: 12.28 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21071009	Harold Sewer Line Extension to Mellow Brook	3-5 Years	Not Funded	$967,056	Floyd		

System Summary for Prestonsburg City's Utilities Commission - Wayland

Permit ID	KY0105228	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	152
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.42	Total KISOP Treated (MG)	-
Residential Customers	148	Total Treated (MG)	7.600
Commercial Customers	4	Number of Manholes	33
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed

Total Collection System Line Length = 4.73 miles (Collection: 4.73 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21071721	Prestonsburg City's Utilities Commission - Wayland Sewer Line Extension Project	6-10 Years	Not Funded	$2,000,000	Floyd		
SX21071011	Wayland Wastewater Treatment Plant Rehabilitation Project	0-2 Years	Not Funded	$759,271	Floyd		

System Summary for Spears MHP

Permit ID	KY0087050	Treats Wastewater	Yes, 0.0015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Spears MHP

System Summary for Unicourt Commercial Center

Permit ID	KY0101451	Treats Wastewater	Yes, 0.003 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Unicourt Commercial Center

System Summary for Warco Housing Project

Permit ID	KY0072974	Treats Wastewater	Yes, 0.025 MGD with 0.025 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	66	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.08 miles (Collection: 0.08 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Warco Housing Project

System Summary for Wheelwright Utilities Commission

Permit ID	KY0028789	Treats Wastewater	Yes, 0.23 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	263
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.74	Total KISOP Treated (MG)	-
Residential Customers	256	Total Treated (MG)	30.114
Commercial Customers	7	Number of Manholes	56
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.23 miles (Collection: 6.23 miles, Interceptors: 0.00 miles).			

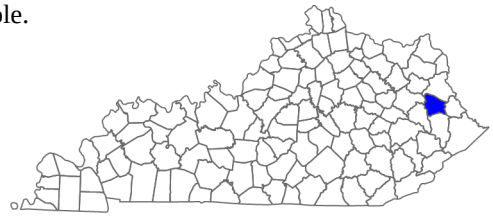
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21071001	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	3-5 Years	Not Funded	$150,000	Floyd	8	6
SX21071902	Wheelwright - Replacement of Sewer System	3-5 Years	Not Funded	$587,000	Floyd	9	4

Johnson County

- 2010 census population of 23,356 (10,624 households) with 32% serviceable.
- Projected 2020 population of 23,265 (change of -91).
- Johnson County has 62.19 miles of existing sewer lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 8.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $23,862,030.
- Estimated funding needs for projects from 6 to 10 years: $4,365,000.



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 sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 648 serviceable households will be added through the construction of 10.00 miles of sewer line extensions and approximately 2,747 instances of improved service through system wide upgrades. 8.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Paintsville Utility Commission	6	$28,227,030	648	2,747	10.00	-	8.00
Totals:	**6**	**$28,227,030**	**648**	**2,747**	**10.00**	**-**	**8.00**

Public Wastewater Systems in Johnson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	1,698	746
KY0020630	Paintsville Utilities Commission - Paintsville STP	Johnson	5,252	2,530
KY0083208	Paintsville Utilities Commission - Thelma Waste Control Inc #1	Johnson	154	109
KY0083895	Paintsville Utilities Commission - Thelma Waste Control Inc #2	Johnson	56	22
		Totals:	7,160	3,407

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
JOHNSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
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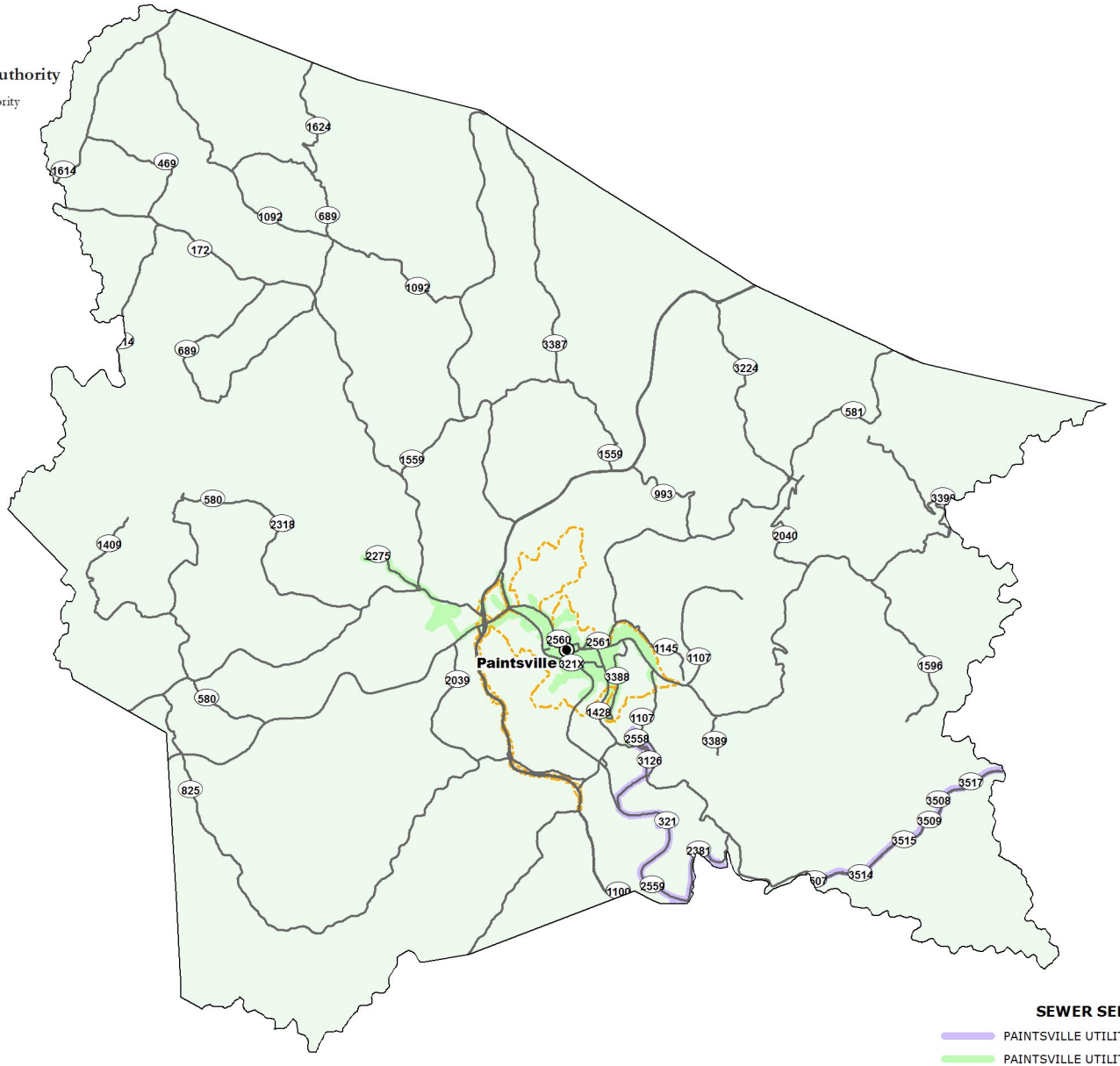
March, 2013

Water Resource Information System



System Summary for Barkwood Estates

Permit ID	KY0101648	Treats Wastewater	Yes, 0.01 MGD with 0.005 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Barkwood Estates

System Summary for Brookside Apartments

Permit ID	KY0095401	Treats Wastewater	Yes, 0.018 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Brookside Apartments

System Summary for Bush Gardens Subdivision

Permit ID	KY0103853	Treats Wastewater	Yes, 0.008 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Bush Gardens Subdivision

System Summary for Homestead Estates

Permit ID	KY0105066	Treats Wastewater	Yes, 0.01 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Homestead Estates

System Summary for Horne Apartments

Permit ID	KY0096571	Treats Wastewater	Yes, 0.004 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.10 miles (Collection: 0.10 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Horne Apartments

System Summary for Lees Trailer Court

Permit ID	KY0091103	Treats Wastewater	Yes, 0.008 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Lees Trailer Court

System Summary for Paint Lick Sta & Landing Apts

Permit ID	KY0106356	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Paint Lick Sta & Landing Apts

System Summary for Paintsville Utilities Commission - Honey Branch

Permit ID	KY0103578	Treats Wastewater	Yes, 1 MGD with 0.34 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	640
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.90	Total KISOP Treated (MG)	-
Residential Customers	616	Total Treated (MG)	132.000
Commercial Customers	18	Number of Manholes	310
Institutional Customers	1	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed

Total Collection System Line Length = 31.02 miles (Collection: 31.02 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21115003	Paintsville WWTP I & I Removal Project Phase II	3-5 Years	Not Funded	$15,122,030	Johnson	1	1
SX21115502	Paintsville Utility Commission Van Lear Waste Water Project	0-2 Years	Not Funded	$4,640,000	Johnson	11	2
SX21115510	Paintsville Utilities Powell Addition Sewer Project	3-5 Years	Not Funded	$2,750,000	Johnson	18	3
SX21115010	American Standard Area	0-2 Years	Not Funded	$1,350,000	Johnson		

System Summary for Paintsville Utilities Commission - Paintsville STP

Permit ID	KY0020630	Treats Wastewater	Yes, 0.99 MGD with 0.99 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,385
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.90	Total KISOP Treated (MG)	-
Residential Customers	1,833	Total Treated (MG)	201.600
Commercial Customers	485	Number of Manholes	636
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 41.73 miles (Collection: 41.67 miles, Interceptors: 0.05 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21115003	Paintsville WWTP I & I Removal Project Phase II	3-5 Years	Not Funded	$15,122,030	Johnson	1	1
SX21115005	Paintsville Utility Commission Sewer Line Extension Thelma	6-10 Years	Not Funded	$2,500,000	Johnson		
SX21115512	Paintsville City Utilities - Line Ext Hager Hill Loop & Arlen Heights	6-10 Years	Not Funded	$1,865,000	Johnson		

System Summary for Paintsville Utilities Commission - River Road Disposal System

Permit ID	KY0094129	Treats Wastewater	Yes, 0.006 MGD with 0.001 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.90	Total KISOP Treated (MG)	-
Residential Customers	10	Total Treated (MG)	0.370
Commercial Customers	-	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Paintsville Utilities Commission - River Road Disposal System

System Summary for Paintsville Utilities Commission - Thelma Waste Control Inc #1

Permit ID	KY0083208	Treats Wastewater	Yes, 0.02 MGD with 0.017 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	55
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.90	Total KISOP Treated (MG)	-
Residential Customers	55	Total Treated (MG)	2.000
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.29 miles (Collection: 0.29 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Paintsville Utilities Commission - Thelma Waste Control Inc #1

System Summary for Paintsville Utilities Commission - Thelma Waste Control Inc #2

Permit ID	KY0083895	Treats Wastewater	Yes, 0.004 MGD with 0.003 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	14
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.90	Total KISOP Treated (MG)	-
Residential Customers	14	Total Treated (MG)	0.219
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.20 miles (Collection: 0.20 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Paintsville Utilities Commission - Thelma Waste Control Inc #2

System Summary for Perry Vanhoose Mem Housing

Permit ID	KY0084727	Treats Wastewater	Yes, 0.018 MGD with 0.018 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Perry Vanhoose Mem Housing

System Summary for Ramey Branch MHP

Permit ID	KY0077623	Treats Wastewater	Yes, 0.007 MGD with 0.007 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ramey Branch MHP

System Summary for Riverview Village Complex

Permit ID	KY0044113	Treats Wastewater	Yes, 0.02 MGD with 0.02 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Riverview Village Complex

System Summary for Twin Hills MHP & Sales

Permit ID	KY0084174	Treats Wastewater	Yes, 0.005 MGD with 0.005 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Twin Hills MHP & Sales

System Summary for Western Consolidated Corp

Permit ID	KY0076350	Treats Wastewater	Yes, 0.012 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Western Consolidated Corp

Magoffin County

- 2010 census population of 13,333 (5,950 households) with 23% serviceable.
- Projected 2020 population of 13,587 (change of 254).
- Magoffin County has 28.63 miles of existing sewer lines.
- 6.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $903,285.
- Estimated funding needs for projects from 6 to 10 years: $4,260,700.

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 sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 239 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 40 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Salyersville	2	$2,383,985	162	-	2.00	-	-
Salyersville Water Works	2	$2,780,000	77	40	4.00	1.00	-
Totals:	**4**	**$5,163,985**	**239**	**40**	**6.00**	**1.00**	**-**

Public Wastewater Systems in Magoffin County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0104540	Salyersville Water Works	Magoffin	3,093	1,385
		Totals:	3,093	1,385

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MAGOFFIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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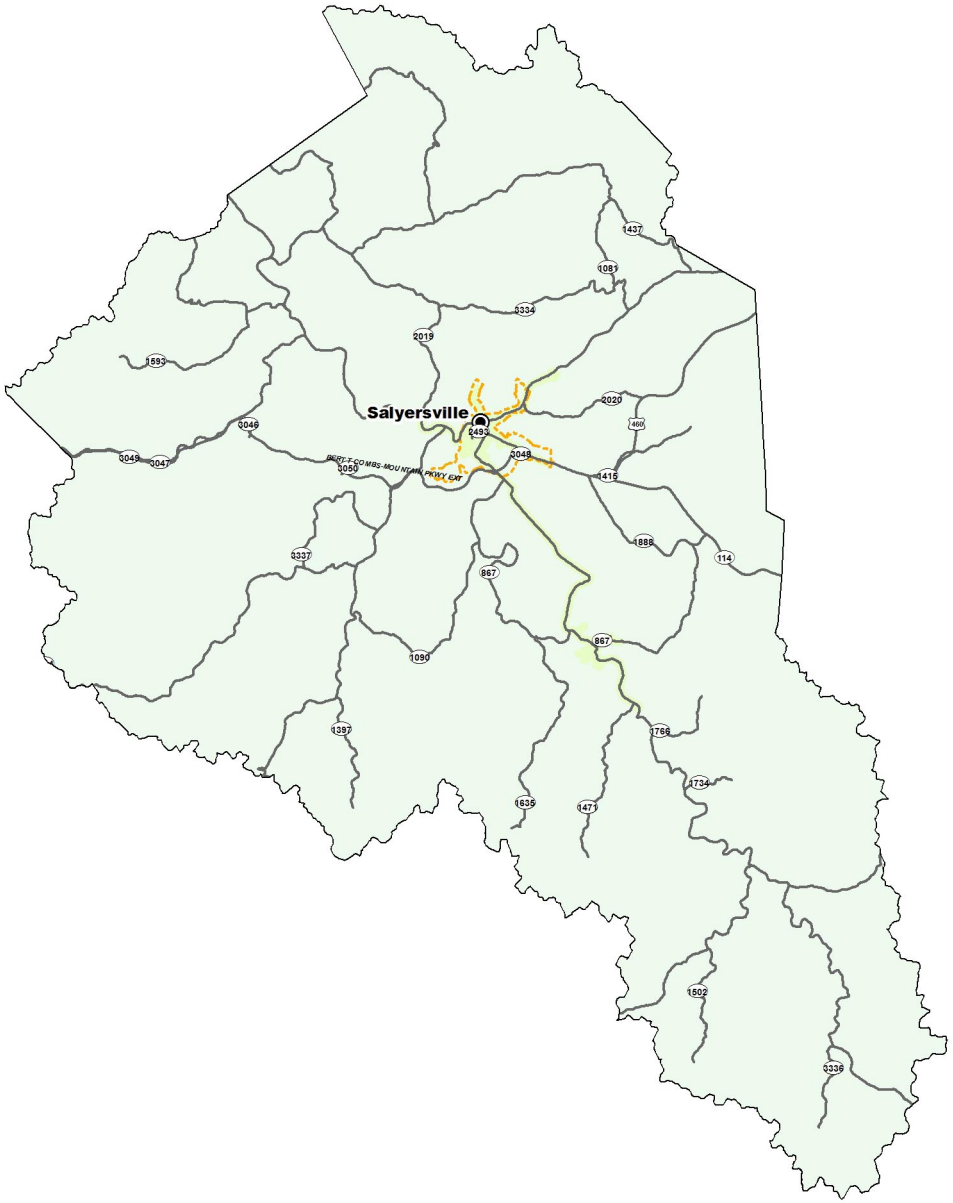
March, 2013

Water Resource Information System



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SEWER SERVICE BY OWNER

SALYERSVILLE WATER WORKS

System Summary for Salyersville Water Works

Permit ID	KY0104540	Treats Wastewater	Yes, 0.6 MGD with 0.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,395
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.73	Total KISOP Treated (MG)	-
Residential Customers	1,282	Total Treated (MG)	113.400
Commercial Customers	113	Number of Manholes	115
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 28.54 miles (Collection: 28.51 miles, Interceptors: 0.03 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
SX21153004	Magoffin County Garage Lift Station and Line Replacement Project	3-5 Years	Not Funded	$735,000	Magoffin	22	1
SX21153005	Allen Drive Lift Station	0-2 Years	Not Funded	$168,285	Magoffin	37	2
SX21153523	Mash Fork Sewer Extension	6-10 Years	Not Funded	$2,045,000	Magoffin		

Martin County

- 2010 census population of 12,929 (5,164 households) with 21% serviceable.
- Projected 2020 population of 12,055 (change of -874).
- Martin County has 23.45 miles of existing sewer lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,357,738.
- There are no projects planned from 6 to 10 years.

Martin County has a 2010 census population count of 12,929 (5,164 households) with a projected 2020 population count of 12,055 (4,410 households). Public sewer is currently available to approximately 21 percent of the county's households based on 2010 census counts. Over the next ten years approximately 107 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 500 instances of improved service through system wide upgrades.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
Martin County Sanitation District	2	$2,404,905	10	500	1.00	-	-
Martin County Water District	2	$1,952,833	97	-	7.00	-	-
Totals:	**4**	**$4,357,738**	**107**	**500**	**8.00**	**-**	**-**

Public Wastewater Systems in Martin County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0079316	Martin County Sanitation District	Martin	1,289	601
KY0107905	Martin County Sanitation District - Tug Valley Sewer Authority	Martin	868	458
		Totals:	2,157	1,059

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MARTIN COUNTY
Kentucky

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Kentucky Infrastructure Authority

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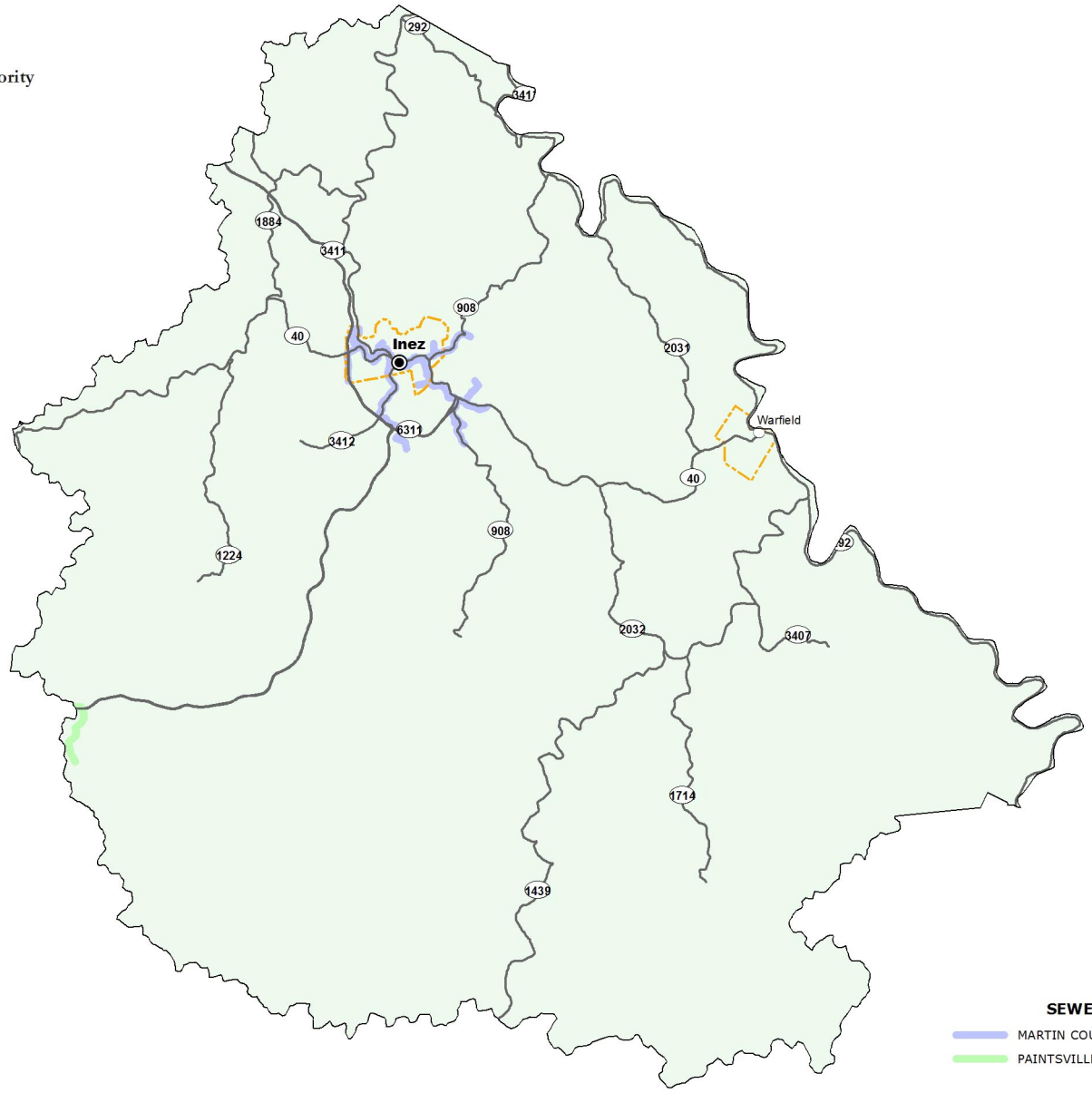
March, 2013



System Summary for Martin County Sanitation District

Permit ID	KY0079316	Treats Wastewater	Yes, 0.26 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	688
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.00	Total KISOP Treated (MG)	-
Residential Customers	568	Total Treated (MG)	1.800
Commercial Customers	120	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 14.26 miles (Collection: 14.26 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21159007	Martin County Sanitation District - Belt Press and Sludge Handling	0-2 Years	Not Funded	$2,000,000	Martin	5	2
SX21159006	Martin County Sanitation District - KY 645 Development Area Sewer Extensions	3-5 Years	Not Funded	$404,905	Martin	6	1
SX21159008	Martin County Sewerline Extension Deboard to Davellia	3-5 Years	Not Funded	$1,010,730	Martin	16	4

System Summary for Martin County Sanitation District - Tug Valley Sewer Authority

Permit ID	KY0107905	Treats Wastewater	Yes, 0.2 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	150
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.00	Total KISOP Treated (MG)	-
Residential Customers	140	Total Treated (MG)	0.100
Commercial Customers	10	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.59 miles (Collection: 6.59 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Martin County Sanitation District - Tug Valley Sewer Authority

System Summary for R & J Development

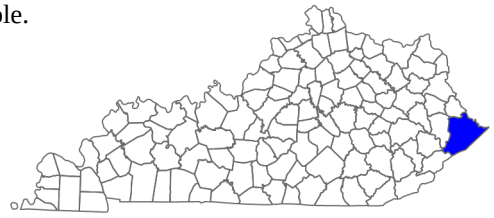
Permit ID	KY0103390	Treats Wastewater	Yes, 0.0055 MGD with 0.004 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for R & J Development

Pike County

- 2010 census population of 65,024 (30,304 households) with 26% serviceable.
- Projected 2020 population of 61,991 (change of -3,033).
- Pike County has 157.85 miles of existing sewer lines.
- 53.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $41,569,238.
- Estimated funding needs for projects from 6 to 10 years: $2,473,760.



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 sewer is currently available to approximately 26 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,684 serviceable households will be added through the construction of 53.00 miles of sewer line extensions and approximately 5,150 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Coal Run Village	1	$1,173,722	85	-	3.00	-	-
City of Elkhorn City	5	$4,855,348	95	150	5.00	-	-
City of Pikeville	8	$12,245,100	665	5,000	19.00	-	-
Mountain Water District	4	$25,654,968	839	-	26.00	-	-
Pike County Fiscal Court	1	$113,860	-	-	-	-	-
Totals:	**19**	**$44,042,998**	**1,684**	**5,150**	**53.00**	**-**	**-**

Public Wastewater Systems in Pike County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025291	City of Pikeville	Pike	9,564	4,426
KY0020958	Elkhorn City Water Department	Pike	1,072	532
KYP000067	Mountain Water District	Pike	2,069	989
KY0042811	Mountain Water District - Douglas	Pike	2,216	1,100
KY0104442	Mountain Water District - Phelps Freeburn	Pike	1,928	968
		Totals:	16,849	8,015

Kentucky Infrastructure Authority
February 15, 2018

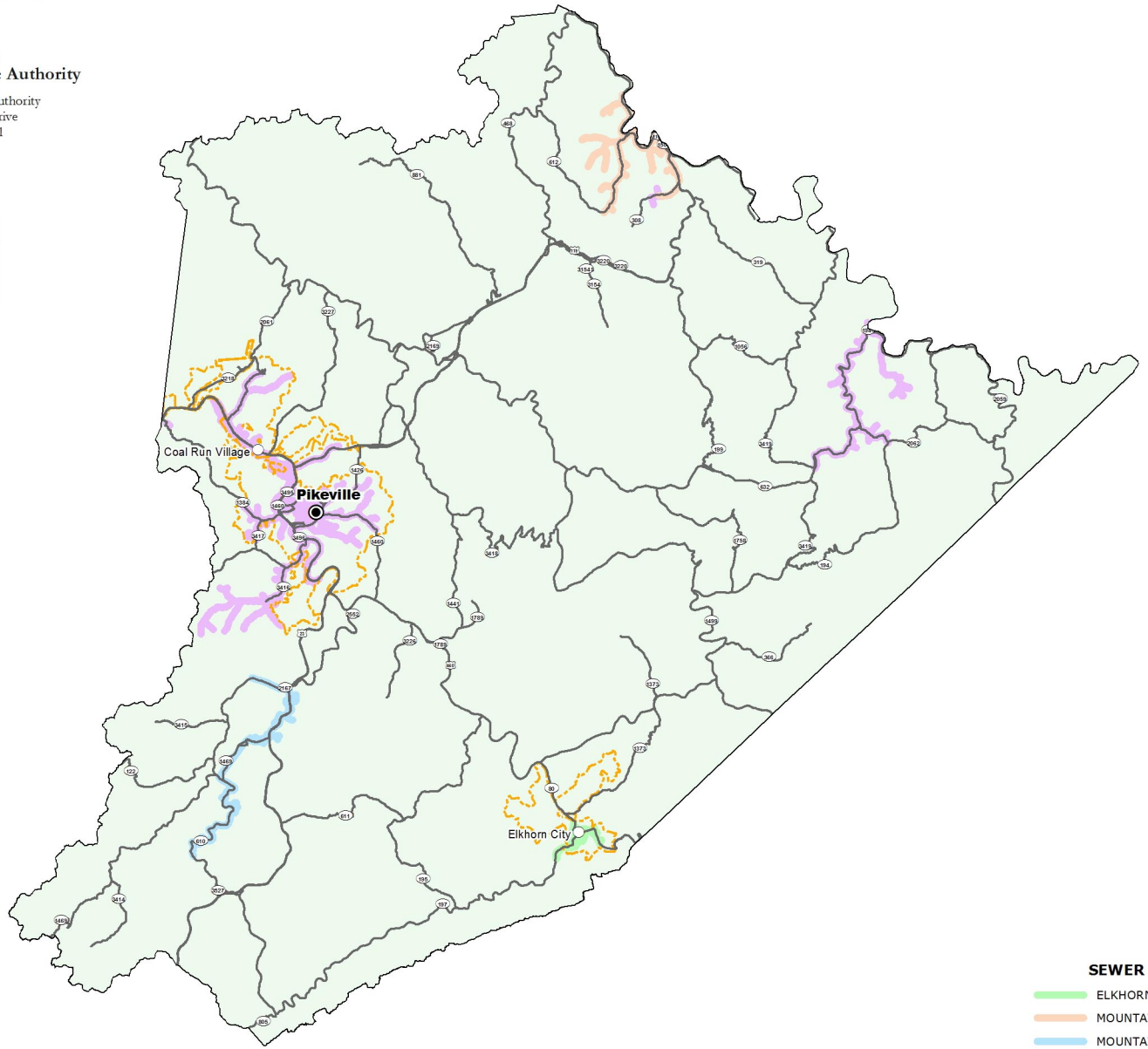
SEWER SERVICE AREAS
PIKE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for City of Pikeville

Permit ID	KY0025291	Treats Wastewater	Yes, 2 MGD with 1.129 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3,972
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.00	Total KISOP Treated (MG)	-
Residential Customers	3,278	Total Treated (MG)	332.800
Commercial Customers	690	Number of Manholes	1600
Institutional Customers	4	Number of Lift Stations	31
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 80.41 miles (Collection: 80.34 miles, Interceptors: 0.07 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195031	City of Coal Run Village - US 23 North Sanitary Sewer Project	0-2 Years	Not Funded	$1,173,722	Pike	20	2
SX21195105	Pikeville Cedar Creek Sewer Extension	0-2 Years	Not Funded	$550,000	Pike	24	9
SX21195102	Pikeville Yorkwood Forest Subdivision Sewerline Extension South Along US 23	3-5 Years	Not Funded	$391,800	Pike	25	11
SX21195131	Hurricane Creek	3-5 Years	Not Funded	$6,108,250	Pike	28	18
SX21195139	Buckleys Creek Sewer	6-10 Years	Not Funded	$355,000	Pike	29	14
SX21195120	Pikeville Sewer Telemetry Project	0-2 Years	Partially Funded	$375,000	Pike	35	4
SX21195030	Pike County Airport Sewer Line Extension	3-5 Years	Not Funded	$2,460,150	Pike	36	5
SX21195129	Kinninnick	6-10 Years	Not Funded	$1,004,900	Pike		
SX21195133	Pikeville WWTP Headworks Reconstruction	6-10 Years	Not Funded	$1,000,000	Pike		

System Summary for Coleman Oil Company Office

Permit ID	KY0100323	Treats Wastewater	Yes, 0.0005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Coleman Oil Company Office

System Summary for Dalton & Associates LLC

Permit ID	KY0108499	Treats Wastewater	Yes, 0.002 MGD with 0.001 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Dalton & Associates LLC

System Summary for Deskins Trailer Park

Permit ID	KY0083844	Treats Wastewater	Yes, 0.002 MGD with 0.0016 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Deskins Trailer Park

System Summary for Elkhorn City Water Department

Permit ID	KY0020958	Treats Wastewater	Yes, 0.15 MGD with 0.17 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	569
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.45	Total KISOP Treated (MG)	-
Residential Customers	539	Total Treated (MG)	45.036
Commercial Customers	30	Number of Manholes	107
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 11.05 miles (Collection: 11.05 miles, Interceptors: 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
SX21195029	Stonecoal Sanitary Sewer Project	0-2 Years	Not Funded	$1,050,348	Pike	4	10
SX21195032	Elkhorn City - Wastewater Collection Improvements Project	0-2 Years	Not Funded	$500,000	Pike	7	1
SX21195020	Elkhorn City Upper Branch Sewer Project	3-5 Years	Not Funded	$605,000	Pike	23	7
SX21195009	Elhorn City - Centerville Sewer Line	3-5 Years	Not Funded	$650,000	Pike	31	12
SX21195027	John Moore's Branch Industrial Park Sewerline Extension	3-5 Years	Not Funded	$2,050,000	Pike		

System Summary for Forest Trace Apartments Limited

Permit ID	KY0094102	Treats Wastewater	Yes, 0.015 MGD with 0.0058 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Forest Trace Apartments Limited

System Summary for Halls Mobile Home Park #3

Permit ID	KY0103454	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Halls Mobile Home Park #3

System Summary for Johnson Park

Permit ID	KY0103179	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Johnson Park

System Summary for Martins MHP

Permit ID	KY0084212	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Martins MHP

System Summary for Mountain Water District

Permit ID	KYP000067	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	5	Total KISOP Sent (MG)	48.180
Cost Per 4000 Gallons	$40.29	Total KISOP Treated (MG)	-
Residential Customers	611	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	20
Institutional Customers	-	Number of Lift Stations	17
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 24.33 miles (Collection: 24.33 miles, Interceptors: 0.00 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
SX21195696	MWD - Forest Hills Phase III	3-5 Years	Not Funded	$1,050,000	Pike	19	13
SX21195693	Scott Fork Phase 2	3-5 Years	Not Funded	$14,826,122	Pike	33	17

System Summary for Mountain Water District - Branham Heights Treatment Plant

Permit ID	KY0096580	Treats Wastewater	Yes, 0.01 MGD with 0.001 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.69	Total KISOP Treated (MG)	-
Residential Customers	3	Total Treated (MG)	1.080
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Branham Heights Treatment Plant

System Summary for Mountain Water District - Daniels Creek

Permit ID	KY0076511	Treats Wastewater	Yes, 0.005 MGD with 0.004 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.69	Total KISOP Treated (MG)	-
Residential Customers	8	Total Treated (MG)	0.432
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Mountain Water District - Daniels Creek

System Summary for Mountain Water District - Douglas

Permit ID	KY0042811	Treats Wastewater	Yes, 0.3 MGD with 0.3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	695
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$70.07	Total KISOP Treated (MG)	-
Residential Customers	642	Total Treated (MG)	22.860
Commercial Customers	32	Number of Manholes	12
Institutional Customers	4	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	5%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 21.17 miles (Collection: 21.17 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Douglas

System Summary for Mountain Water District - Keene Village Water & Sewer

Permit ID	KY0072834	Treats Wastewater	Yes, 0.01 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Keene Village Water & Sewer

System Summary for Mountain Water District - Maple Valley Subdivision

Permit ID	KY0098353	Treats Wastewater	Yes, 0.003 MGD with 0.003 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.00	Total KISOP Treated (MG)	-
Residential Customers	7	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Maple Valley Subdivision

System Summary for Mountain Water District - Modern Home Park Inc

Permit ID	KY0096857	Treats Wastewater	Yes, 0.006 MGD with 0.006 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.69	Total KISOP Treated (MG)	-
Residential Customers	25	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Modern Home Park Inc

System Summary for Mountain Water District - Phelps Freeburn

Permit ID	KY0104442	Treats Wastewater	Yes, 0.25 MGD with 0.086 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	849
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.69	Total KISOP Treated (MG)	-
Residential Customers	807	Total Treated (MG)	30.870
Commercial Customers	40	Number of Manholes	1
Institutional Customers	2	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 77% Constructed
Total Collection System Line Length = 22.22 miles (Collection: 22.22 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195694	MWD - Scott Fork Temporary Septic System	6-10 Years	Not Funded	$113,860	Pike		

System Summary for Mountain Water District - Shelbiana MHP

Permit ID	KY0099805	Treats Wastewater	Yes, 0.09 MGD with 0.003 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.69	Total KISOP Treated (MG)	-
Residential Customers	15	Total Treated (MG)	1.800
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Shelbiana MHP

System Summary for Mountain Water District - Stone Heights Wastewater Fac

Permit ID	KY0029343	Treats Wastewater	Yes, 0.01 MGD with 0.036 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$70.07	Total KISOP Treated (MG)	-
Residential Customers	18	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Water District - Stone Heights Wastewater Fac

System Summary for Newsome Building

Permit ID	KY0101389	Treats Wastewater	Yes, 0.0005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Newsome Building

System Summary for Pikeville Professional Building

Permit ID	KY0074853	Treats Wastewater	Yes, 0.002 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Pikeville Professional Building

System Summary for Pollyanna Park

Permit ID	KY0102300	Treats Wastewater	Yes, 0.006 MGD with 0.006 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Pollyanna Park

System Summary for Ratliff Family Enterprises MHP

Permit ID	KY0093432	Treats Wastewater	Yes, 0.009 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ratliff Family Enterprises MHP

System Summary for Stone Coal MHP

Permit ID	KY0086321	Treats Wastewater	Yes, 0.0036 MGD with 0.001 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Stone Coal MHP

System Summary for Stratton MHP

Permit ID	KY0083712	Treats Wastewater	Yes, 0.003 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Stratton MHP

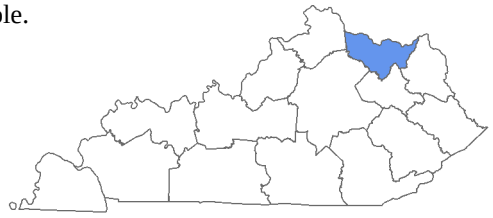
System Summary for Tug Fork Apartments

Permit ID	KY0054097	Treats Wastewater	Yes, 0.024 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Tug Fork Apartments

Buffalo Trace Area Development District (BTADD)



- 2010 census population of 56,478 (26,144 households) with 37% serviceable.
- Projected 2020 population of 58,306 (change of 1,828).
- 264.62 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 36.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $19,992,370.
- Estimated funding needs for projects from 6 to 10 years: $7,353,000.
- Average age of wastewater treatment plants is 33 years.
- Total number of interconnected systems is 1.
- 99 miles of sewer lines less than 15 years old.
- 37 miles of sewer lines between 15 and 30 years old.
- 67 miles of sewer lines between 31 and 50 years old.
- 58 miles of sewer lines between 51 and 70 years old.
- 0 miles of sewer lines greater than 70 years old.

Buffalo Trace Area Development District has a 2010 census population count of 56,478 (26,144 households) with a projected 2020 population count of 58,306 (24,059 households). Public sewer is currently available to approximately 37 percent of the district's households based on 2010 census counts. Over the next ten years approximately 688 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 1,908 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 36.00 miles of interceptor lines are also proposed within this district.

County Summary for Buffalo Trace Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bracken	8,488	3,840	8,744	3,538	954	25%	$ 13,523,550
Fleming	14,348	6,623	14,880	6,231	1,820	28%	$ 941,820
Lewis	13,870	6,481	13,899	5,717	1,704	26%	$ 6,530,500
Mason	17,490	8,105	18,419	7,608	4,789	59%	$ 4,390,500
Robertson	2,282	1,095	2,364	965	291	27%	$ 1,959,000
Totals	**56,478**	**26,144**	**58,306**	**24,059**	**9,558**	**37%**	**$ 27,345,370**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

BTADD

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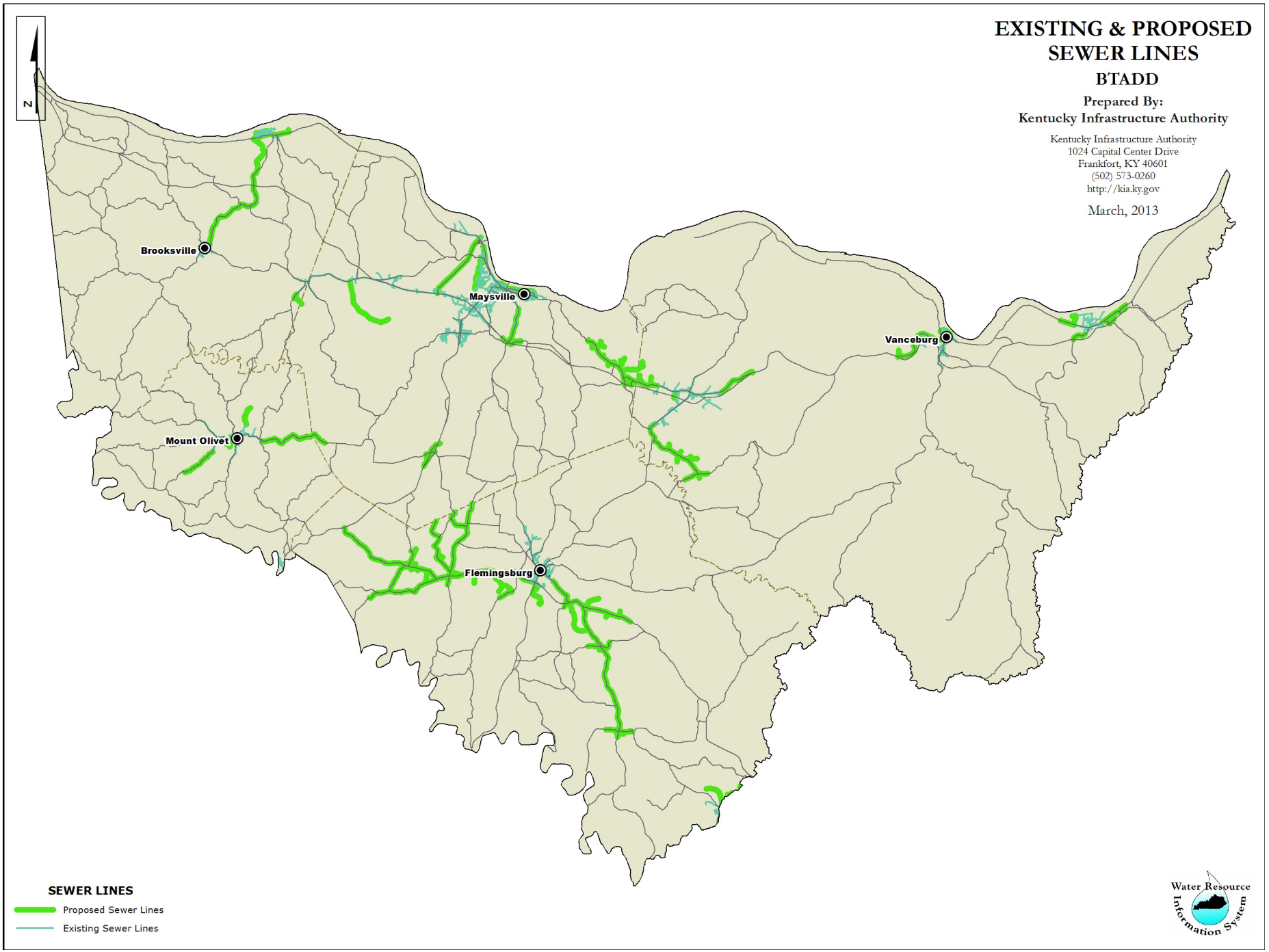
March, 2013



Public Sewer Systems in the Buffalo Trace Area Development District

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

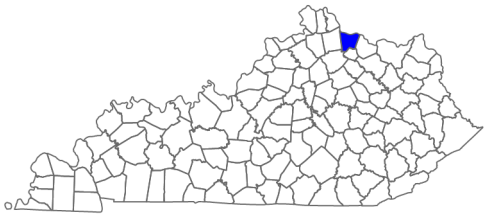
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021261	Augusta Sewer	Bracken	1,154	564
KY0025232	Brooksville Sewer	Bracken	651	297
KY0021229	Flemingsburg Sewer	Fleming	3,428	1,746
KY0105422	Garrison Sewer	Lewis	808	373
KY0102601	Lewis County Sanitation District #1	Lewis	1,112	509
KY0078123	Meadowbrook Subdivision	Lewis	259	103
KY0075914	Saxony Village Apartments	Lewis	77	41
KY0021512	Vanceburg Sewer	Lewis	1,471	713
KY0020257	Maysville Sewer	Mason	8,735	4,346
KYP000081	Western Mason Sanitation District	Mason	1,016	453
KY0076724	Western Mason Sanitation District - Pinewood Subdivision STP	Mason	203	80
KY0104299	Mount Olivet Sewer	Robertson	638	289
		Totals:	19,552	9,514

Project Rankings For Buffalo Trace Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21161006	Pinewood Subdivision Sewer	0-2 Years	Not Funded	$100,000	Mason	1	1
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	3-5 Years	Not Funded	$1,386,500	Lewis	2	1
SX21069019	Flemingsburg Marys Avenue & Tinnerman Drive Sewer Line Replacement	3-5 Years	Partially Funded	$416,820	Fleming	3	1
SX21023011	Augusta Hamilton Avenue & Second Street Upgrade	3-5 Years	Not Funded	$136,550	Bracken	4	1
SX21135020	LCSD Sewer Extension to Burtonville	3-5 Years	Not Funded	$1,080,000	Lewis	5	2
SX21201005	Mt. Olivet Phase III Sewer Line Extension	6-10 Years	Not Funded	$659,000	Robertson	6	1
SX21135007	LCSD-Ribolt Area	6-10 Years	Not Funded	$794,000	Lewis	7	5
SX21135022	Tollesboro Industrial Park (Sewer)	6-10 Years	Not Funded	$270,000	Lewis	8	6
SX21135013	3037 Collection	6-10 Years	Not Funded	$1,000,000	Lewis	9	4
SX21135002	Garrison Sewer Phase II	6-10 Years	Not Funded	$2,000,000	Lewis	10	3
			Total Cost:	**$7,842,870**			

Bracken County

- 2010 census population of 8,488 (3,840 households) with 25% serviceable.
- Projected 2020 population of 8,744 (change of 256).
- Bracken County has 19.09 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 9.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,683,550.
- Estimated funding needs for projects from 6 to 10 years: $840,000.



Bracken County has a 2010 census population count of 8,488 (3,840 households) with a projected 2020 population count of 8,744 (3,538 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 129 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 927 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 9.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Augusta Regional Sewer Authority	1	$12,397,000	74	860	-	-	9.00
City of Augusta	1	$286,550	-	67	-	1.00	-
Western Mason Sanitation District	1	$840,000	55	-	1.00	-	-
Totals:	**3**	**$13,523,550**	**129**	**927**	**1.00**	**1.00**	**9.00**

Public Wastewater Systems in Bracken County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021261	Augusta Sewer	Bracken	1,154	564
KY0025232	Brooksville Sewer	Bracken	651	297
KYP000081	Western Mason Sanitation District	Mason	203	93
		Totals:	2,008	954

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BRACKEN COUNTY
Kentucky

Prepared By:
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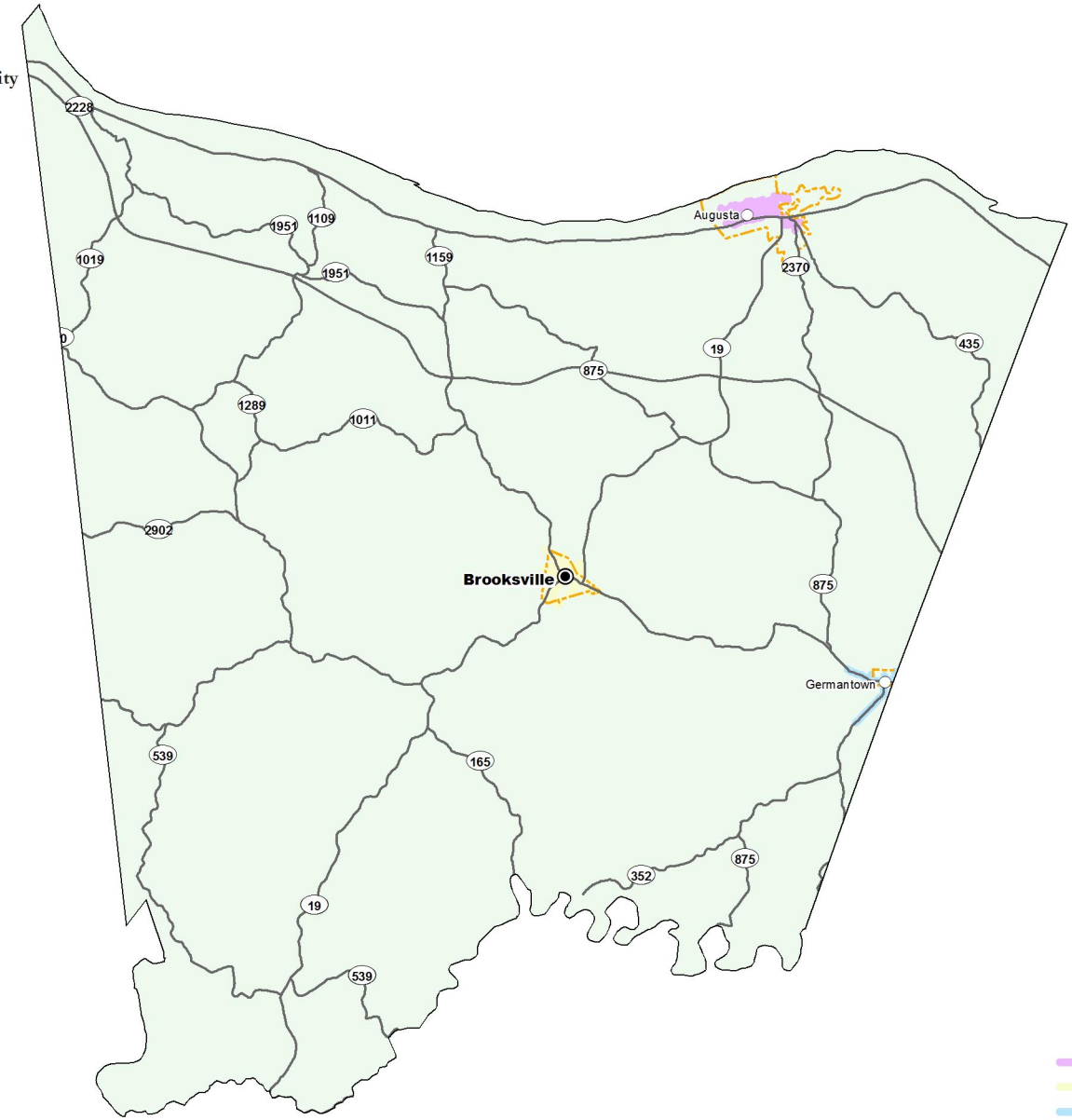
March, 2013

Water Resource Information System



System Summary for Augusta Sewer

Permit ID	KY0021261	Treats Wastewater	Yes, 0.33 MGD with 0.179 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	563
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.16	Total KISOP Treated (MG)	-
Residential Customers	502	Total Treated (MG)	65.400
Commercial Customers	41	Number of Manholes	78
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	5	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 7.96 miles (Collection: 6.60 miles, Interceptors: 1.36 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21023005	Augusta/Brooksville Regional Sewer Project	0-2 Years	Partially Funded	$12,397,000	Bracken		
SX21023007	Augusta-2nd Street and Hamilton Avenue Sewer Relinement	3-5 Years	Not Funded	$286,550	Bracken		

System Summary for Bracken County Industrial Park

Permit ID	KY0103187	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Economic Development Agency	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Bracken County Industrial Park

System Summary for Brooksville Sewer

Permit ID	KY0025232	Treats Wastewater	Yes, 0.12 MGD with 0.074 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	312
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.50	Total KISOP Treated (MG)	-
Residential Customers	251	Total Treated (MG)	26.900
Commercial Customers	61	Number of Manholes	99
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.45 miles (Collection: 4.08 miles, Interceptors: 2.37 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21023005	Augusta/Brooksville Regional Sewer Project	0-2 Years	Partially Funded	$12,397,000	Bracken		

Fleming County

- 2010 census population of 14,348 (6,623 households) with 28% serviceable.
- Projected 2020 population of 14,880 (change of 532).
- Fleming County has 47.17 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $941,820.
- There are no projects planned from 6 to 10 years.

Fleming County has a 2010 census population count of 14,348 (6,623 households) with a projected 2020 population count of 14,880 (6,231 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 31 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Flemingsburg	2	$941,820	-	31	-	1.00	3.00
Totals:	**2**	**$941,820**	**-**	**31**	**-**	**1.00**	**3.00**

Public Wastewater Systems in Fleming County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021229	Flemingsburg Sewer	Fleming	3,428	1,746
KY0052752	Morehead Utility Plant Board	Rowan	176	74
		Totals:	3,604	1,820

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
FLEMING COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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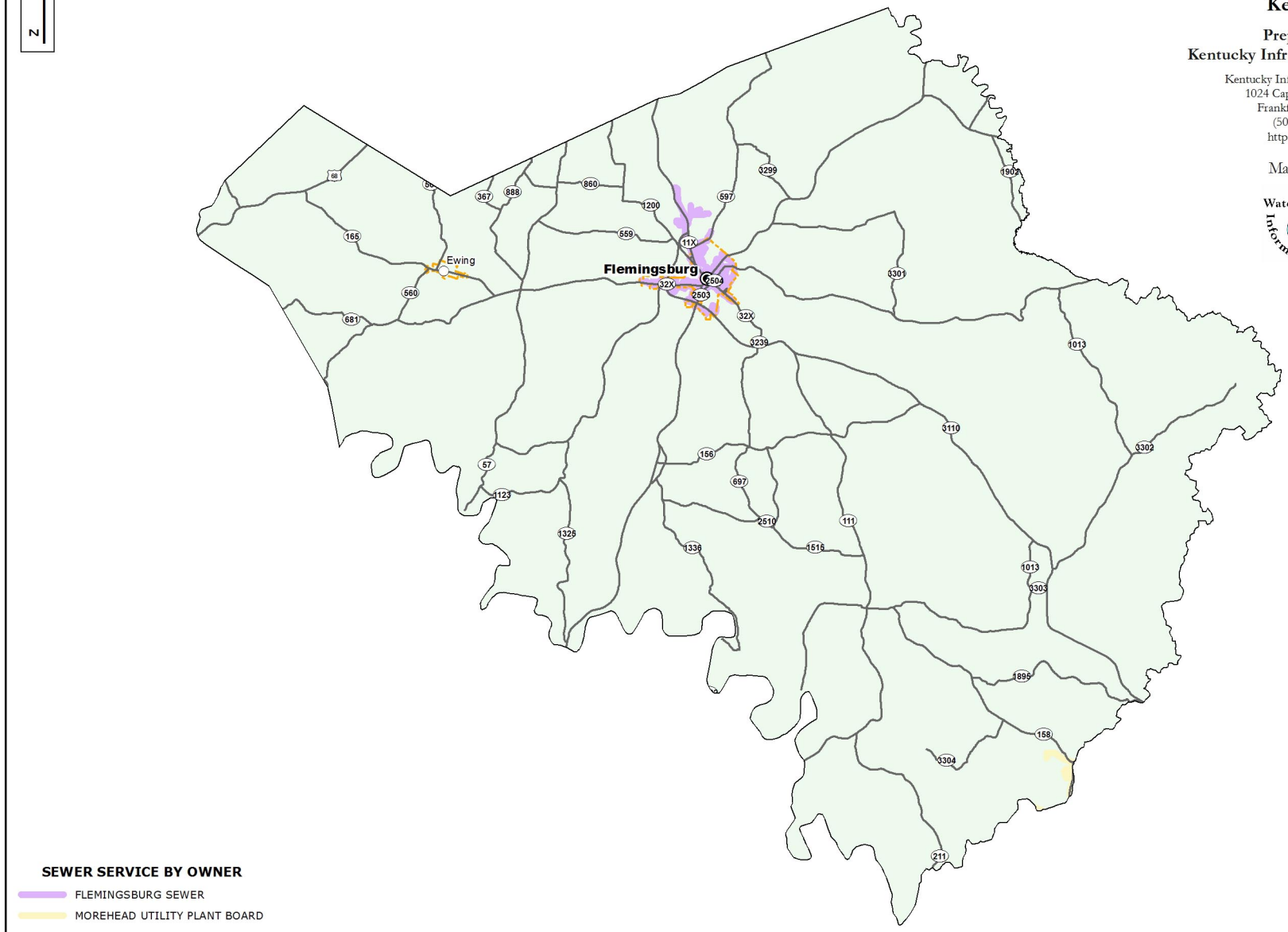
March, 2013



SEWER SERVICE BY OWNER

- FLEMINGSBURG SEWER
- MOREHEAD UTILITY PLANT BOARD

System Summary for Flemingsburg Sewer

Permit ID	KY0021229	Treats Wastewater	Yes, 1.13 MGD with 0.547 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,817
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.65	Total KISOP Treated (MG)	-
Residential Customers	1,536	Total Treated (MG)	144.300
Commercial Customers	274	Number of Manholes	623
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	7	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 43.10 miles (Collection: 38.59 miles, Interceptors: 4.51 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21069019	Flemingsburg Marys Avenue & Tinnerman Drive Sewer Line Replacement	3-5 Years	Partially Funded	$416,820	Fleming	3	1
SX21069020	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Partially Funded	$525,000	Fleming		

System Summary for Paradise Properties LLC

Permit ID	KY0104167	Treats Wastewater	Yes, 0.0128 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	13	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Paradise Properties LLC

Lewis County

- 2010 census population of 13,870 (6,481 households) with 26% serviceable.
- Projected 2020 population of 13,899 (change of 29).
- Lewis County has 64.02 miles of existing sewer lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 14.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,466,500.
- Estimated funding needs for projects from 6 to 10 years: $4,064,000.

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 sewer is currently available to approximately 26 percent of the county's households based on 2010 census counts. Over the next ten years approximately 459 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 179 instances of improved service through system wide upgrades. 14.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Vanceburg	1	$1,386,500	-	179	-	-	2.00
Garrison-Quincy-Ky-O-Heights Water District	1	$2,000,000	200	-	-	-	5.00
Lewis County Sanitation District #1	3	$2,144,000	178	-	3.00	-	7.00
Vanceburg Electric Plant Board	1	$1,000,000	81	-	4.00	-	-
Totals:	**6**	**$6,530,500**	**459**	**179**	**7.00**	**-**	**14.00**

Public Wastewater Systems in Lewis County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0105422	Garrison Sewer	Lewis	808	373
KY0102601	Lewis County Sanitation District #1	Lewis	1,103	506
KY0078123	Meadowbrook Subdivision	Lewis	259	103
KY0021512	Vanceburg Sewer	Lewis	1,471	713
		Totals:	3,641	1,695

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LEWIS COUNTY
Kentucky

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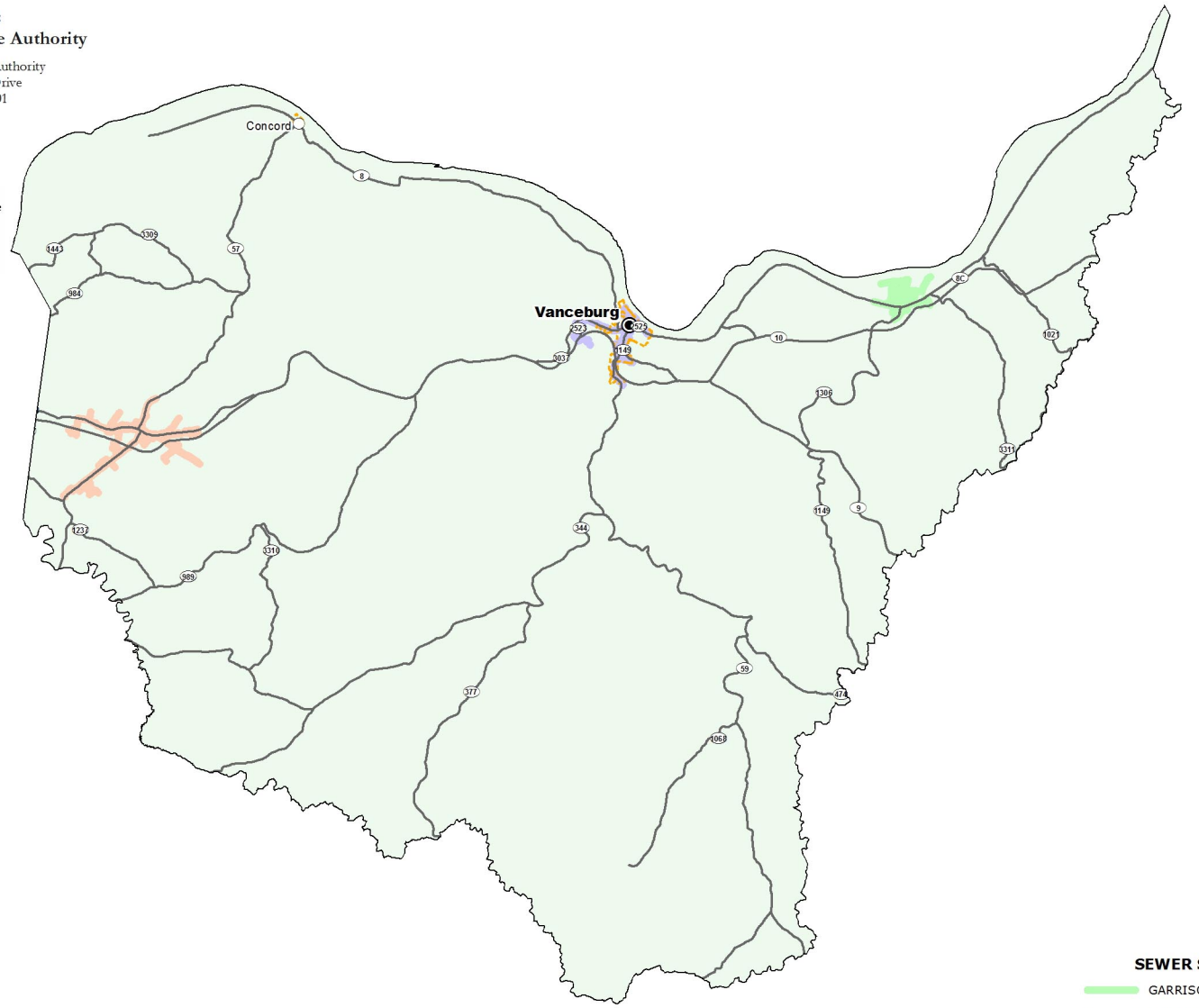
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- GARRISON SEWER
- LEWIS COUNTY SANITATION DISTRICT #1
- VANCEBURG SEWER

System Summary for Echo Hills Apartments

Permit ID	KY0080781	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	40	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Echo Hills Apartments

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	3-5 Years	Not Funded	$1,386,500	Lewis	2	1

System Summary for Garrison Sewer

Permit ID	KY0105422	Treats Wastewater	Yes, 0.11 MGD with 0.024 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	308
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.00	Total KISOP Treated (MG)	-
Residential Customers	288	Total Treated (MG)	9.080
Commercial Customers	20	Number of Manholes	9
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 16.91 miles (Collection: 16.91 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21135002	Garrison Sewer Phase II	6-10 Years	Not Funded	$2,000,000	Lewis	10	3

System Summary for Lewis County Sanitation District #1

Permit ID	KY0102601	Treats Wastewater	Yes, 0.25 MGD with 0.047 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	622
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$43.15	Total KISOP Treated (MG)	-
Residential Customers	602	Total Treated (MG)	17.077
Commercial Customers	20	Number of Manholes	166
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 31.10 miles (Collection: 20.30 miles, Interceptors: 10.80 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21135020	LCSD Sewer Extension to Burtonville	3-5 Years	Not Funded	$1,080,000	Lewis	5	2
SX21135007	LCSD-Ribolt Area	6-10 Years	Not Funded	$794,000	Lewis	7	5
SX21135022	Tollesboro Industrial Park (Sewer)	6-10 Years	Not Funded	$270,000	Lewis	8	6

System Summary for Meadowbrook Subdivision

Permit ID	KY0078123	Treats Wastewater	Yes, 0.05 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	138
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.86	Total KISOP Treated (MG)	-
Residential Customers	139	Total Treated (MG)	7.345
Commercial Customers	-	Number of Manholes	26
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed

Total Collection System Line Length = 1.38 miles (Collection: 1.27 miles, Interceptors: 0.11 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Meadowbrook Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	3-5 Years	Not Funded	$1,386,500	Lewis	2	1

System Summary for Saxony Village Apartments

Permit ID	KY0075914	Treats Wastewater	Yes, 0.014 MGD with 0.0035 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.07 miles (Collection: 0.07 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Saxony Village Apartments

System Summary for Vanceburg Lewis County Industrial Authority

Permit ID	KY0092061	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.86	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	14.235
Commercial Customers	5	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.95 miles (Collection: 0.95 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Vanceburg Lewis County Industrial Authority

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	3-5 Years	Not Funded	$1,386,500	Lewis	2	1

System Summary for Vanceburg Sewer

Permit ID	KY0021512	Treats Wastewater	Yes, 0.41 MGD with 0.128 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	718
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.86	Total KISOP Treated (MG)	-
Residential Customers	612	Total Treated (MG)	46.720
Commercial Customers	88	Number of Manholes	206
Institutional Customers	2	Number of Lift Stations	15
Industrial Customers	17	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 13.61 miles (Collection: 10.58 miles, Interceptors: 3.02 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	3-5 Years	Not Funded	$1,386,500	Lewis	2	1
SX21135013	3037 Collection	6-10 Years	Not Funded	$1,000,000	Lewis	9	4

Mason County

- 2010 census population of 17,490 (8,105 households) with 59% serviceable.
- Projected 2020 population of 18,419 (change of 929).
- Mason County has 116.41 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 10.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,600,500.
- Estimated funding needs for projects from 6 to 10 years: $1,790,000.

Mason County has a 2010 census population count of 17,490 (8,105 households) with a projected 2020 population count of 18,419 (7,608 households). Public sewer is currently available to approximately 59 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 0.00 miles of sewer line extensions and approximately 515 instances of improved service through system wide upgrades. 10.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Maysville	1	$2,000,000	-	-	-	-	6.00
Western Mason Sanitation District	4	$2,390,500	50	515	-	-	4.00
Totals:	**5**	**$4,390,500**	**50**	**515**	**-**	**-**	**10.00**

Public Wastewater Systems in Mason County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020257	Maysville Sewer	Mason	8,735	4,346
KYP000081	Western Mason Sanitation District	Mason	813	360
KY0076724	Western Mason Sanitation District - Pinewood Subdivision STP	Mason	203	80
		Totals:	9,751	4,786

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MASON COUNTY
Kentucky

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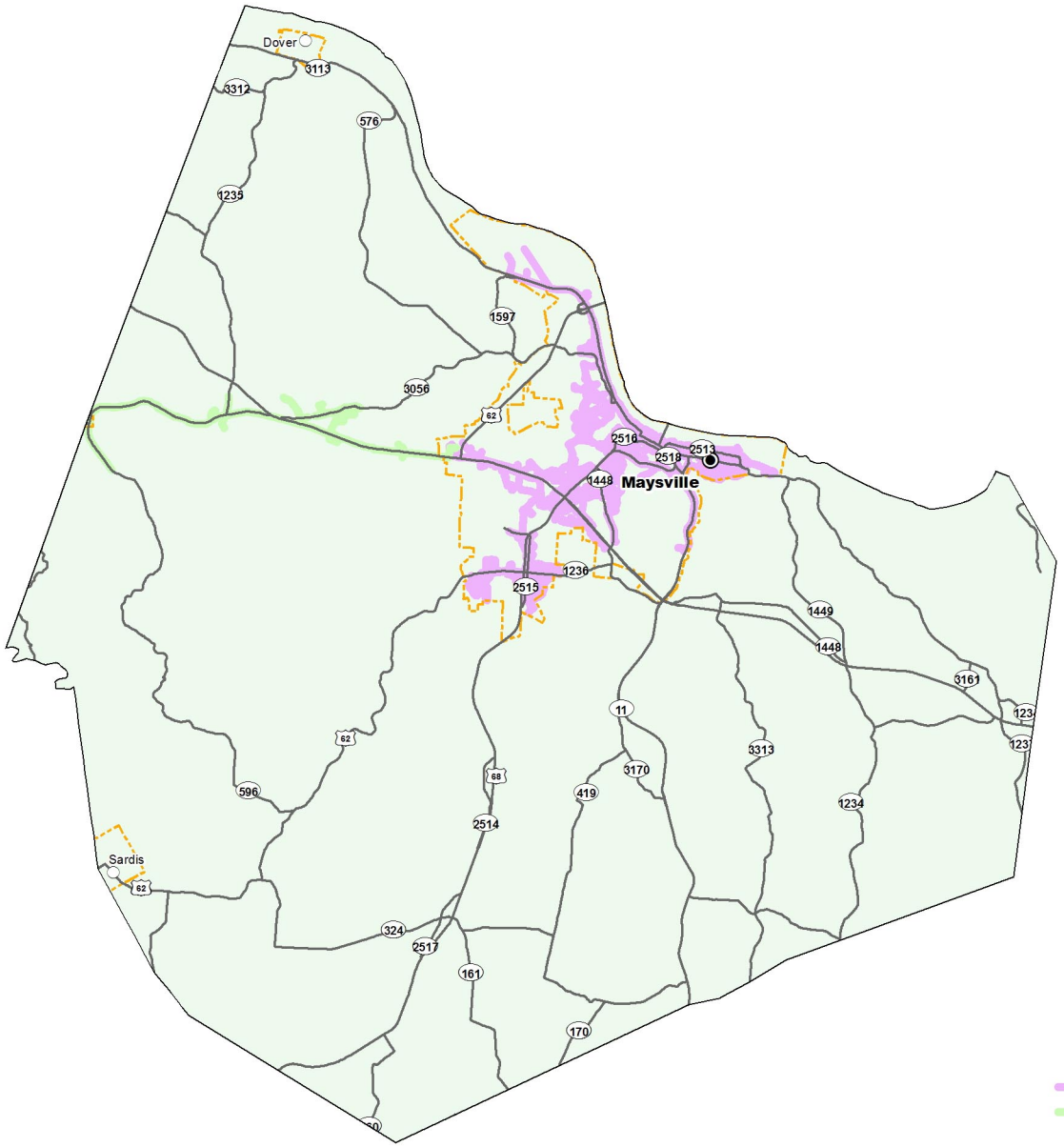
March, 2013

Water Resource Information System



System Summary for Mayslick Heritage Apts

Permit ID	KY0112283	Treats Wastewater	Yes, 0.004 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mayslick Heritage Apts

System Summary for Maysville Sewer

Permit ID	KY0020257	Treats Wastewater	Yes, 3.4 MGD with 1.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3,683
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.60	Total KISOP Treated (MG)	10.384
Residential Customers	3,112	Total Treated (MG)	493.100
Commercial Customers	426	Number of Manholes	1583
Institutional Customers	110	Number of Lift Stations	24
Industrial Customers	36	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 91.48 miles (Collection: 75.01 miles, Interceptors: 16.46 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21161022	Maysville-Mason County Landfill	0-2 Years	Not Funded	$2,000,000	Mason		
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	$950,000	Mason		
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	$840,000	Bracken		

System Summary for Meadowcrest MHP

Permit ID	KY0075931	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.00	Total KISOP Treated (MG)	-
Residential Customers	25	Total Treated (MG)	1.095
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Meadowcrest MHP

System Summary for Western Mason Sanitation District

Permit ID	KYP000081	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	440
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	10.384
Cost Per 4000 Gallons	$60.13	Total KISOP Treated (MG)	-
Residential Customers	439	Total Treated (MG)	-
Commercial Customers	1	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 28.00 miles (Collection: 28.00 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21161006	Pinewood Subdivision Sewer	0-2 Years	Not Funded	$100,000	Mason	1	1
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	$950,000	Mason		
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	$840,000	Bracken		
SX21161021	Western Mason Lift Station Upgrade	3-5 Years	Not Funded	$500,500	Mason		

System Summary for Western Mason Sanitation District - Pinewood Subdivision STP

Permit ID	KY0076724	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	75
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$60.13	Total KISOP Treated (MG)	-
Residential Customers	75	Total Treated (MG)	5.110
Commercial Customers	-	Number of Manholes	31
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 1.54 miles (Collection: 1.54 miles, Interceptors: 0.00 miles).

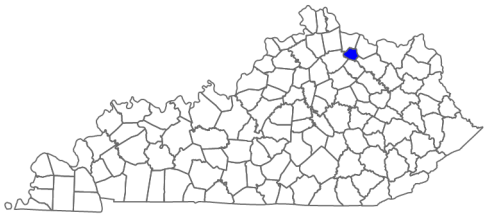
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Western Mason Sanitation District - Pinewood Subdivision STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21161006	Pinewood Subdivision Sewer	0-2 Years	Not Funded	$100,000	Mason	1	1

Robertson County

- 2010 census population of 2,282 (1,095 households) with 27% serviceable.
- Projected 2020 population of 2,364 (change of 82).
- Robertson County has 17.93 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,300,000.
- Estimated funding needs for projects from 6 to 10 years: $659,000.



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 sewer is currently available to approximately 27 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 4.00 miles of sewer line extensions and approximately 256 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Mount Olivet	2	$1,959,000	50	256	4.00	-	-
Totals:	**2**	**$1,959,000**	**50**	**256**	**4.00**	**-**	**-**

Public Wastewater Systems in Robertson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0104299	Mount Olivet Sewer	Robertson	638	289
		Totals:	638	289

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ROBERTSON COUNTY
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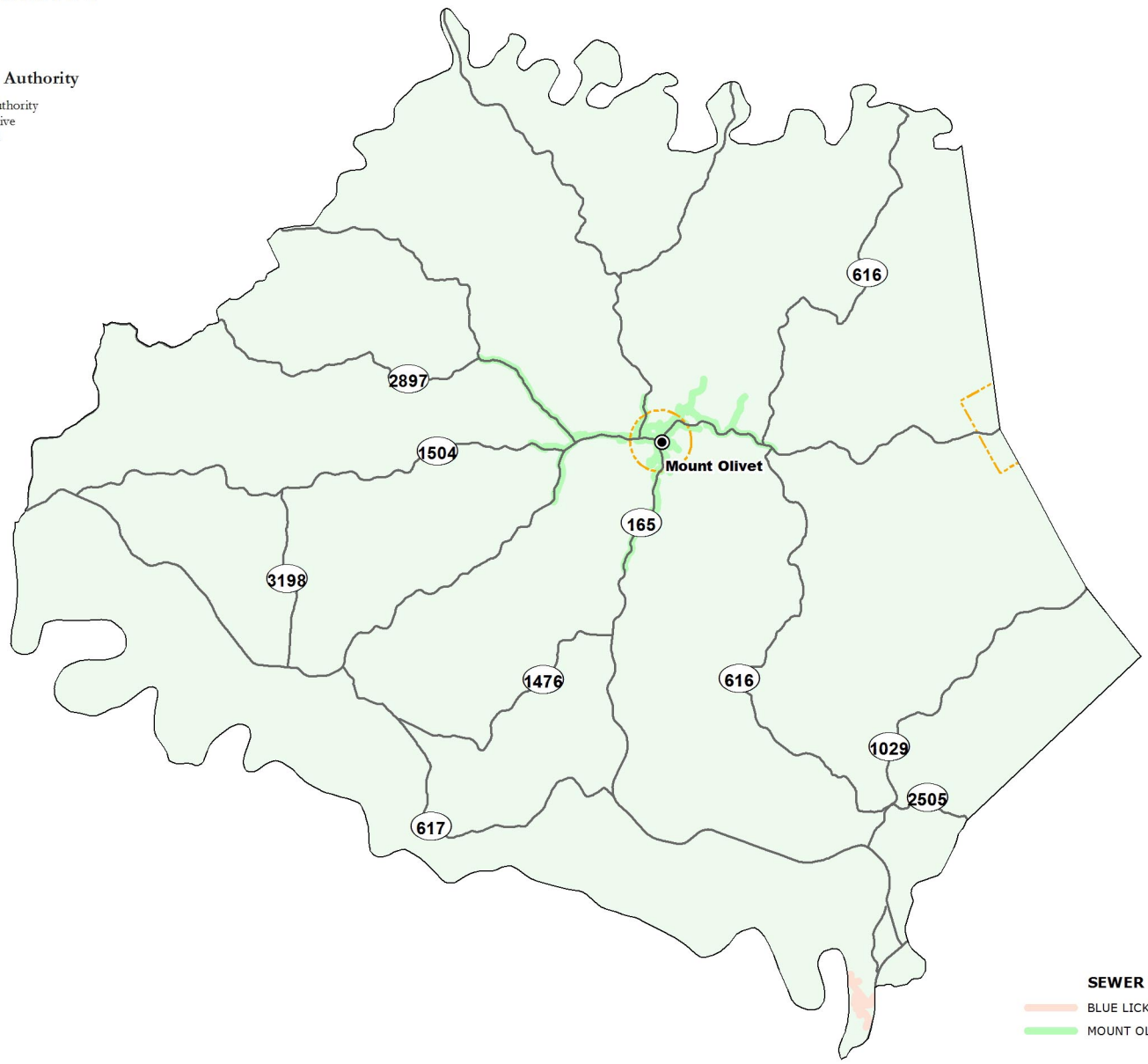
March, 2013



System Summary for Mount Olivet Sewer

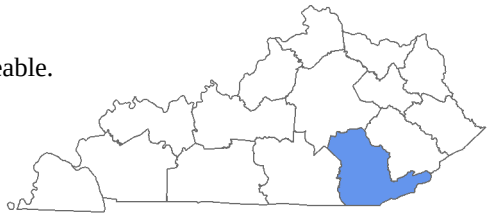
Permit ID	KY0104299	Treats Wastewater	Yes, 0.049 MGD with 0.021 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	223
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.00	Total KISOP Treated (MG)	-
Residential Customers	223	Total Treated (MG)	7.706
Commercial Customers	-	Number of Manholes	11
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 16.50 miles (Collection: 16.50 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21201005	Mt. Olivet Phase III Sewer Line Extension	6-10 Years	Not Funded	$659,000	Robertson	6	1
SX21201008	Mt. Olivet -Wastewater Treatment Plant Upgrade	3-5 Years	Partially Funded	$1,300,000	Robertson		

Cumberland Valley Area Development District (CVADD)



- 2010 census population of 236,618 (104,865 households) with 34% serviceable.
- Projected 2020 population of 237,501 (change of 883).
- 702.88 miles of existing sewer lines.
- 584.00 miles of line extensions proposed in the next 10 years.
- 34.00 miles of line rehabilitation proposed in the next 10 years.
- 47.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $126,704,492.
- Estimated funding needs for projects from 6 to 10 years: $92,461,307.
- Average age of wastewater treatment plants is 35 years.
- Total number of interconnected systems is 2.
- 150 miles of sewer lines less than 15 years old.
- 125 miles of sewer lines between 15 and 30 years old.
- 212 miles of sewer lines between 31 and 50 years old.
- 179 miles of sewer lines between 51 and 70 years old.
- 36 miles of sewer lines greater than 70 years old.

Cumberland Valley Area Development District has a 2010 census population count of 236,618 (104,865 households) with a projected 2020 population count of 237,501 (97,085 households). Public sewer is currently available to approximately 34 percent of the district's households based on 2010 census counts. Over the next ten years approximately 19,939 serviceable households will be added through the construction of 584.00 miles of sewer line extensions and approximately 27,319 instances of improved service through the rehabilitation of 34.00 miles of existing sewer lines and other appurtenances. 47.00 miles of interceptor lines are also proposed within this district.

County Summary for Cumberland Valley Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bell	28,691	13,154	27,648	11,714	6,302	48%	$ 26,754,146
Clay	21,730	8,875	20,289	7,421	1,871	21%	$ 17,149,343
Harlan	29,278	13,513	26,099	10,856	5,901	44%	$ 30,989,583
Jackson	13,494	6,523	13,771	5,961	498	8%	$ 1,400,000
Knox	31,883	14,485	32,132	13,362	4,632	32%	$ 7,582,676
Laurel	58,849	25,446	64,713	26,415	9,261	36%	$ 88,403,450
Rockcastle	17,056	7,703	17,593	7,308	2,067	27%	$ 26,073,110
Whitley	35,637	15,166	35,256	14,048	4,918	32%	$ 20,813,491
Totals	**236,618**	**104,865**	**237,501**	**97,085**	**35,450**	**34%**	**$ 219,165,799**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

CVADD

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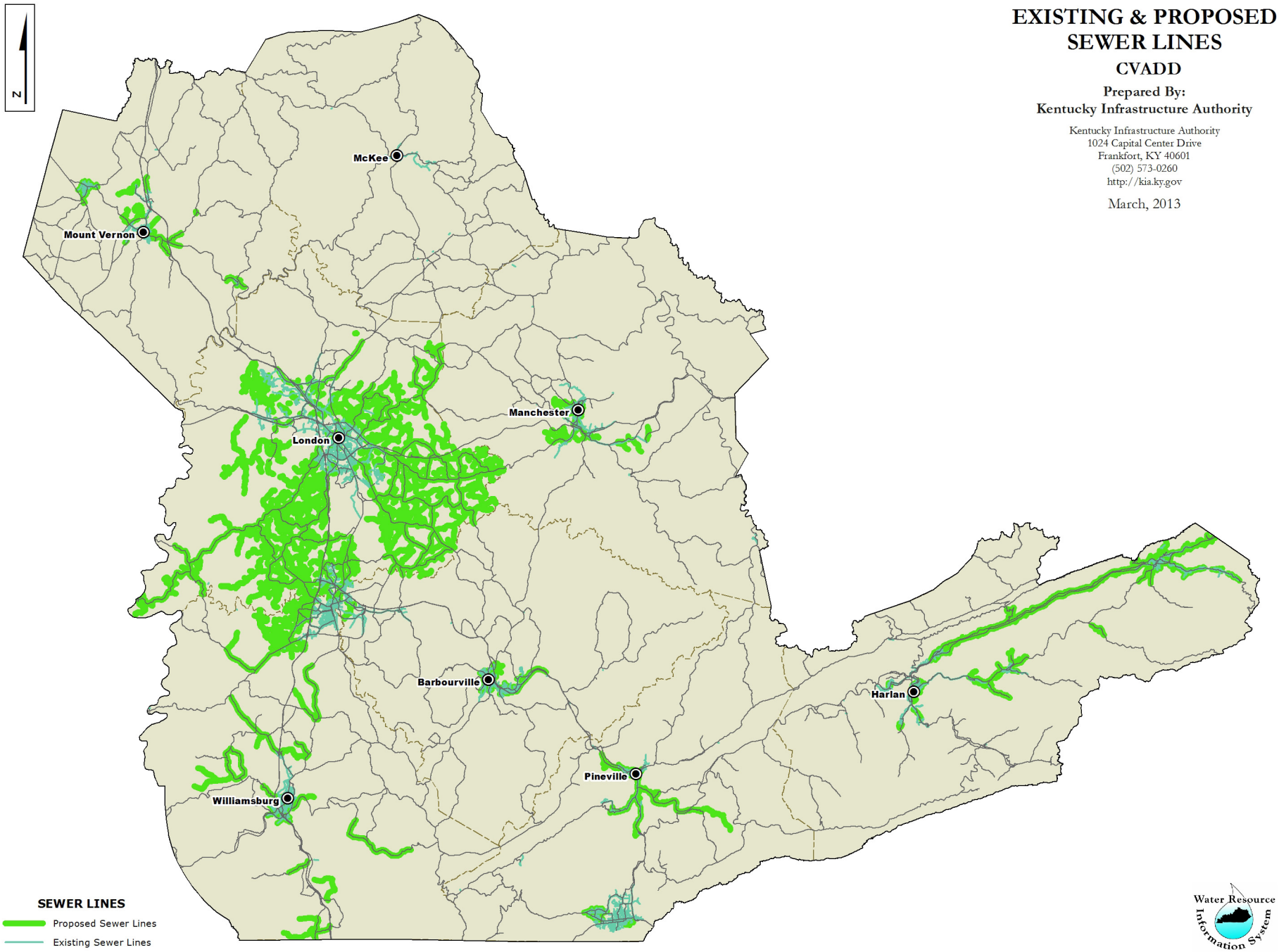
March, 2013



Public Sewer Systems in the Cumberland Valley Area Development District

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

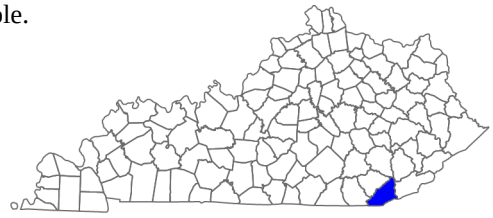
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0072885	City of Middlesboro	Bell	10,364	4,971
KY0024058	Pineville Utility Commission	Bell	3,106	1,329
KY0029122	City of Manchester	Clay	4,618	1,856
KY0025755	City of Benham	Harlan	750	391
KY0021571	City of Cumberland	Harlan	2,441	1,184
KY0073091	City of Evarts	Harlan	1,307	482
KY0077615	City of Evarts Turner Trailer Park	Harlan	70	38
KY0026093	City of Harlan	Harlan	6,395	2,917
KY0026115	City of Loyall	Harlan	789	393
KY0024279	City of Lynch	Harlan	829	495
KY0034444	City of McKee	Jackson	914	498
KY0024082	Barbourville Utility Commission	Knox	5,604	2,546
KYP000074	Knox County Utility Commission	Knox	113	60
KY0020133	Corbin City Utilities Commission	Laurel	13,022	6,129
KY0021270	London Utility Commission	Laurel	12,289	5,554
KYP000063	Wood Creek Water District	Laurel	4,988	2,260
KY0047431	City of Brodhead	Rockcastle	1,187	535
KY0040703	City of Livingston	Rockcastle	198	105
KY0024694	City of Mount Vernon	Rockcastle	3,029	1,427
KY0028347	City of Williamsburg	Whitley	5,635	2,166
		Totals:	77,648	35,336

Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21013003	Virginia Avenue/Courthouse Square Utility Replacements & Revitalization	0-2 Years	Not Funded	$3,941,746	Bell	1	2
SX21109001	Phase 1 - Wastewater System Rehabilitation	3-5 Years	Partially Funded	$1,400,000	Jackson	2	1
SX21121004	Master Street Sewer Main Upgrade	0-2 Years	Not Funded	$1,613,960	Knox	3	1
SX21013005	Middlesboro WWTP UV Disinfection Addition	0-2 Years	Not Funded	$950,000	Bell	4	1
SX21203317	City of Brodhead - WWTP Upgrade and Improvement	0-2 Years	Not Funded	$5,000,000	Rockcastle	5	1
SX21095050	Harlan: Sanitary Sewer - Combined Sewer Rehabilitation	0-2 Years	Partially Funded	$1,368,490	Harlan	6	3
SX21095013	City of Loyall - CSO Elimination	0-2 Years	Not Funded	$271,498	Harlan	7	1
SX21125322	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	$10,150,000	Laurel	8	1
SX21013142	Middlesboro - "y" Road Sewer Extension/Whitmer Industrial Park	3-5 Years	Not Funded	$1,097,000	Bell	9	5
SX21203001	Wastewater Collection System Improvement Project	0-2 Years	Not Funded	$293,110	Rockcastle	10	2
SX21203190	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	$1,640,000	Rockcastle	11	3
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	$3,085,000	Harlan	12	2
SX21203002	City of Mt. Vernon Sewer Lift Station Rehab Project	0-2 Years	Not Funded	$424,000	Rockcastle	14	5
SX21121003	Sewer Extension to Project Blossom Facility	0-2 Years	Not Funded	$371,000	Knox	15	4
SX21125318	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	$1,199,266	Laurel	16	3
SX21121002	Sewer Extension to Southeast Spec Building #3 - Project Boone	0-2 Years	Not Funded	$240,691	Knox	17	3
SX21253111	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greendale Street	3-5 Years	Not Funded	$248,020	Laurel	18	2
SX21095055	Evarts Pride Wastewater Sewer Extension	3-5 Years	Not Funded	$600,000	Harlan	19	4
SX21013148	Middlesboro: Noetown Sewer Rehab/Binghamtown PS Rehab	0-2 Years	Partially Funded	$2,550,000	Bell	20	3
SX21051006	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	$1,180,000	Clay	21	2
SX21125115	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	$231,475	Laurel	22	4
SX21013006	Pineville WWTP Expansion	0-2 Years	Not Funded	$9,500,000	Bell	23	4
SX21051007	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	$425,000	Clay	24	1
SX21125006	Elza Road and Binder Subdivision Pressure Sewer Extension	0-2 Years	Not Funded	$1,279,410	Laurel	25	7
SX21203191	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	$5,500,000	Rockcastle	26	4
SX21095509	City of Benham Rehabilitation	3-5 Years	Not Funded	$450,000	Harlan	27	5
SX21125151	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	$4,000,000	Laurel	28	5
			Total Cost:	**$59,009,666**			

Bell County

- 2010 census population of 28,691 (13,154 households) with 48% serviceable.
- Projected 2020 population of 27,648 (change of -1,043).
- Bell County has 90.74 miles of existing sewer 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.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $19,385,746.
- Estimated funding needs for projects from 6 to 10 years: $7,368,400.



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 sewer is currently available to approximately 48 percent of the county's households based on 2010 census counts. Over the next ten years approximately 331 serviceable households will be added through the construction of 21.00 miles of sewer line extensions and approximately 6,691 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Bell County Fiscal Court	2	$8,294,000	214	210	16.00	-	-
City of Middlesboro	1	$950,000	-	5,075	-	-	-
City of Pineville	6	$17,510,146	117	1,406	5.00	1.00	2.00
Totals:	**9**	**$26,754,146**	**331**	**6,691**	**21.00**	**1.00**	**2.00**

Public Wastewater Systems in Bell County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0072885	City of Middlesboro	Bell	10,364	4,971
KY0024058	Pineville Utility Commission	Bell	3,106	1,329
		Totals:	13,470	6,300

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BELL COUNTY
Kentucky

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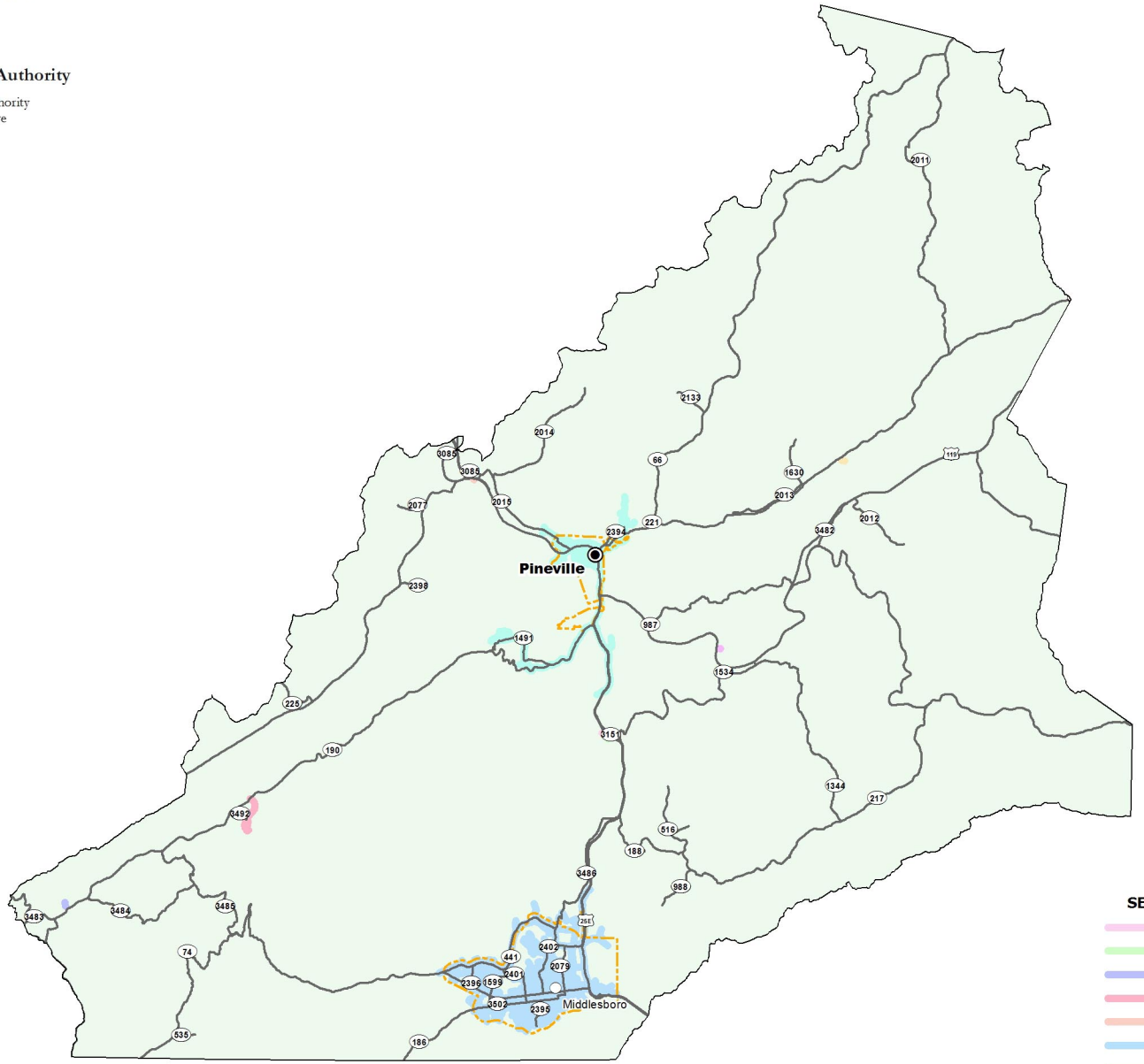

System Summary for City of Middlesboro

Permit ID	KY0072885	Treats Wastewater	Yes, 3.6 MGD with 2.55 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,075
Owner Type	Incorporated City	KISOP Sender	No
Employees	12	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$12.92	Total KISOP Treated (MG)	-
Residential Customers	4,466	Total Treated (MG)	916.150
Commercial Customers	601	Number of Manholes	2250
Institutional Customers	-	Number of Lift Stations	25
Industrial Customers	8	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 63.74 miles (Collection: 63.74 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21013005	Middlesboro WWTP UV Disinfection Addition	0-2 Years	Not Funded	$950,000	Bell	4	1

System Summary for Ferndale Apartments Inc

Permit ID	KY0078182	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ferndale Apartments Inc

System Summary for Pineville Utility Commission

Permit ID	KY0024058	Treats Wastewater	Yes, 0.72 MGD with 0.57 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	846
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.74	Total KISOP Treated (MG)	-
Residential Customers	723	Total Treated (MG)	171.617
Commercial Customers	79	Number of Manholes	166
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed

Total Collection System Line Length = 25.15 miles (Collection: 25.15 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21013003	Virginia Avenue/Courthouse Square Utility Replacements & Revitalization	0-2 Years	Not Funded	$3,941,746	Bell	1	2
SX21013006	Pineville WWTP Expansion	0-2 Years	Not Funded	$9,500,000	Bell	23	4
SX21013144	Pineville - PMRIDA Sewer Ext to Industrial Park	0-2 Years	Partially Funded	$4,994,000	Bell		
SX21103156	US 119 Sewer Line Extension	6-10 Years	Not Funded	$3,300,000	Bell		
SX21013145	Pineville: Ferndale Sewerline Extension	6-10 Years	Not Funded	$1,500,000	Bell		
SX21013029	Turkey Creek Sewer Extension	6-10 Years	Not Funded	$1,000,000	Bell		
SX21013150	Pineville: Paula Drive Sewer Extension	6-10 Years	Not Funded	$950,000	Bell		
SX21013002	Jackson Drive (25E) Sewer Extension	6-10 Years	Not Funded	$618,400	Bell		

Clay County

- 2010 census population of 21,730 (8,875 households) with 21% serviceable.
- Projected 2020 population of 20,289 (change of -1,441).
- Clay County has 44.16 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,567,840.
- Estimated funding needs for projects from 6 to 10 years: $14,581,503.

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 sewer is currently available to approximately 21 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,321 serviceable households will be added through the construction of 0.00 miles of sewer line extensions and approximately 2,586 instances of improved service through the rehabilitation of 10.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Manchester	6	$14,547,840	-	2,586	-	10.00	-
Clay County Fiscal Court	1	$900,000	1,321	-	-	-	-
East Laurel Water District	1	$1,701,503	-	-	-	-	-
Totals:	**8**	**$17,149,343**	**1,321**	**2,586**	**-**	**10.00**	**-**

Public Wastewater Systems in Clay County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0029122	City of Manchester	Clay	4,618	1,856
		Totals:	4,618	1,856

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CLAY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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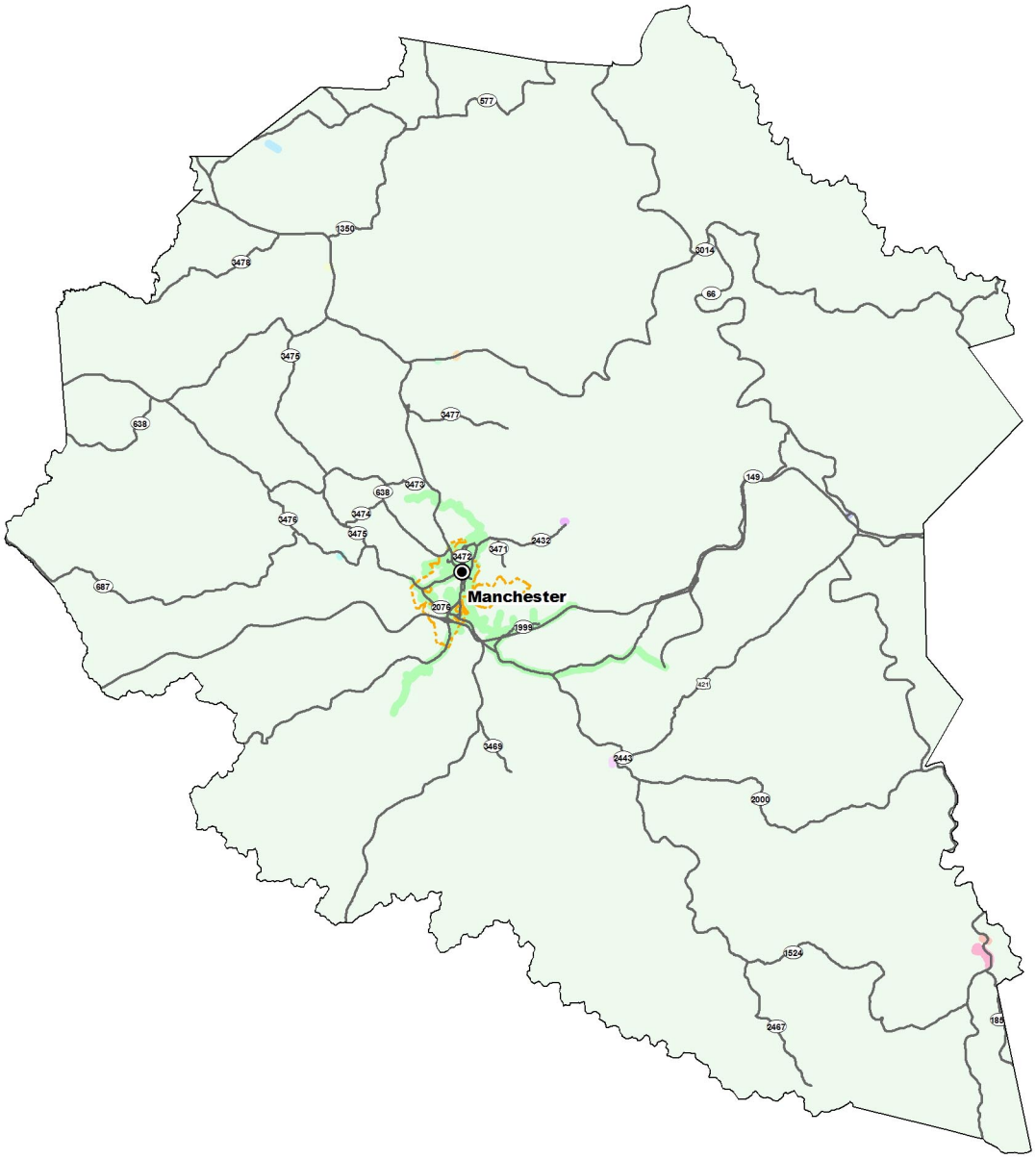
March, 2013



SEWER SERVICE BY OWNER

- BIG CREEK ELEM SCHOOL
- BURNING SPRINGS ELEM SCHOOL
- CHADS HOPE CENTER
- CLAY CO AREA TECH CENTER
- GOOSE ROCK ELEM SCHOOL
- HACKER ELEM SCHOOL
- LAUREL CREEK HEALTH CARE CENTER
- MANCHESTER RECREATIONAL CENTER
- MANCHESTER STP
- ONEDA BAPTIST INSTITUTE
- REDBIRD MISSION HIGH & ELEMENTARY
- REDBIRD MISSION INC.

System Summary for City of Manchester

Permit ID	KY0029122	Treats Wastewater	Yes, 1.6 MGD with 0.77 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,070
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$15.88	Total KISOP Treated (MG)	-
Residential Customers	899	Total Treated (MG)	202.670
Commercial Customers	171	Number of Manholes	1000
Institutional Customers	1	Number of Lift Stations	25
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 42.26 miles (Collection: 42.18 miles, Interceptors: 0.08 miles).			

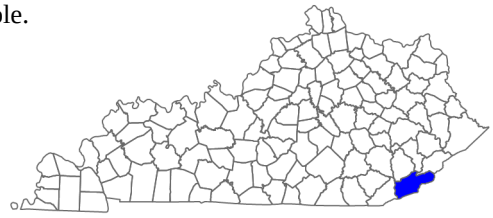
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21051006	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	$1,180,000	Clay	21	2
SX21051007	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	$425,000	Clay	24	1
SX21051001	Downtown Manchester Sewer Line Rehabilitation and Replacement	6-10 Years	Not Funded	$7,500,000	Clay		
SX21051005	East Manchester Sewer Line Replacement	6-10 Years	Not Funded	$4,600,000	Clay		
SX21051002	Frog Level Sewer Line Replacement	6-10 Years	Not Funded	$780,000	Clay		
SX21051003	Water and Wastewater System Improvements & Road Bore	0-2 Years	Not Funded	$62,840	Clay		

Harlan County

- 2010 census population of 29,278 (13,513 households) with 44% serviceable.
- Projected 2020 population of 26,099 (change of -3,179).
- Harlan County has 107.60 miles of existing sewer lines.
- 40.00 miles of line extensions proposed in the next 10 years.
- 16.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $17,972,794.
- Estimated funding needs for projects from 6 to 10 years: $13,016,789.



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 sewer is currently available to approximately 44 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,533 serviceable households will be added through the construction of 40.00 miles of sewer line extensions and approximately 5,977 instances of improved service through the rehabilitation of 16.00 miles of existing sewer lines and other appurtenances. 6.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Black Mountain Utility District	1	$2,028,604	113	12	1.00	-	1.00
City of Benham	3	$776,000	422	415	1.00	8.00	-
City of Cumberland	5	$6,402,957	1,448	1,679	5.00	-	3.00
City of Evarts	3	$6,965,000	875	425	18.00	-	-
City of Harlan	1	$1,368,490	-	2,300	-	2.00	-
City of Loyall	2	$1,555,998	-	761	-	2.00	-
City of Lynch	2	$3,181,808	76	385	2.00	4.00	-
Harlan County Fiscal Court	3	$8,710,726	599	-	13.00	-	2.00
Totals:	**20**	**$30,989,583**	**3,533**	**5,977**	**40.00**	**16.00**	**6.00**

Public Wastewater Systems in Harlan County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025755	City of Benham	Harlan	750	391
KY0021571	City of Cumberland	Harlan	2,441	1,184
KY0073091	City of Evarts	Harlan	1,307	482
KY0077615	City of Evarts Turner Trailer Park	Harlan	70	38
KY0026093	City of Harlan	Harlan	6,395	2,917
KY0026115	City of Loyall	Harlan	789	393
KY0024279	City of Lynch	Harlan	829	495
		Totals:	12,581	5,900

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HARLAN COUNTY
Kentucky

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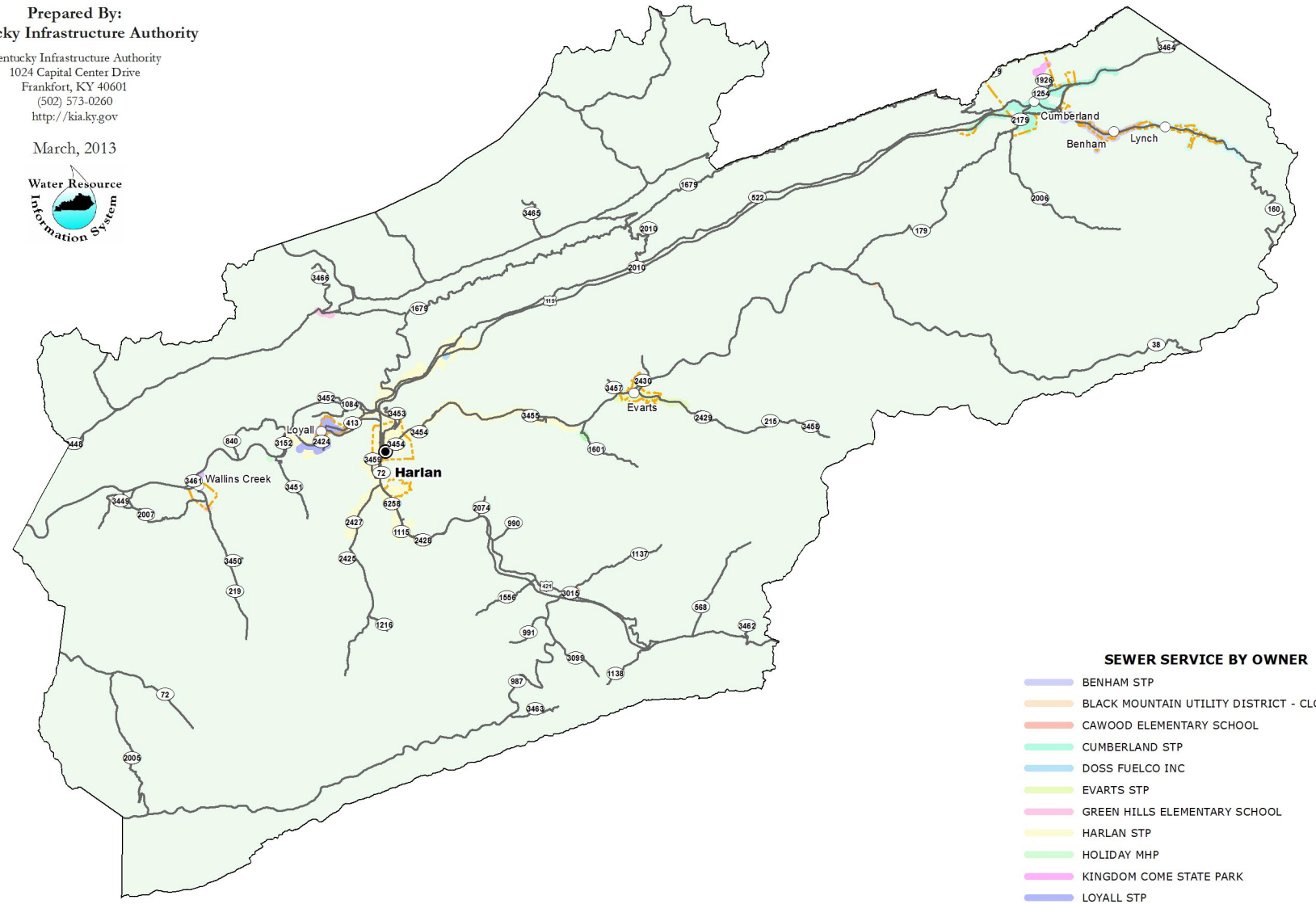


System Summary for Black Mountain Utility District - Closplint

Permit ID	KY0105155	Treats Wastewater	Yes, 0.005 MGD with 0.0018 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.09	Total KISOP Treated (MG)	-
Residential Customers	12	Total Treated (MG)	0.365
Commercial Customers	-	Number of Manholes	1
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Black Mountain Utility District - Closplint

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21095010	Closplint Treatment Plant and Collections System	0-2 Years	Partially Funded	$2,028,604	Harlan		

System Summary for City of Benham

Permit ID	KY0025755	Treats Wastewater	Yes, 0.25 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	282
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.86	Total KISOP Treated (MG)	-
Residential Customers	277	Total Treated (MG)	58.400
Commercial Customers	5	Number of Manholes	166
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 98% Constructed
Total Collection System Line Length = 6.90 miles (Collection: 6.90 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	$3,085,000	Harlan	12	2
SX21095509	City of Benham Rehabilitation	3-5 Years	Not Funded	$450,000	Harlan	27	5
SX21095508	City of Benham - Gilliam Hill Sewer Extension Project	6-10 Years	Not Funded	$239,000	Harlan		
SX21095510	City of Benham: Popular Street Sewer Replacement	3-5 Years	Not Funded	$87,000	Harlan		

System Summary for City of Cumberland

Permit ID	KY0021571	Treats Wastewater	Yes, 0.5 MGD with 0.52 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	836
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.45	Total KISOP Treated (MG)	-
Residential Customers	735	Total Treated (MG)	166.060
Commercial Customers	101	Number of Manholes	198
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 18.10 miles (Collection: 18.10 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	$3,085,000	Harlan	12	2
SX21095072	City of Cumberland New Service Extensions	3-5 Years	Not Funded	$1,562,957	Harlan		
SX21095074	City of Cumberland - Parker Street, Stacy Hill and Cloverlick SE	6-10 Years	Not Funded	$620,000	Harlan		
SX21095073	Cumberland - Blair Sewer Project(Previously SX21095071)	3-5 Years	Not Funded	$580,000	Harlan		
SX21095009	City of Cumberland Waste Water Treatment Plant Rehabilitation	0-2 Years	Not Funded	$555,000	Harlan		

System Summary for City of Evarts

Permit ID	KY0073091	Treats Wastewater	Yes, 0.12 MGD with 0.082 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	445
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.52	Total KISOP Treated (MG)	-
Residential Customers	400	Total Treated (MG)	21.900
Commercial Customers	45	Number of Manholes	63
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 7.90 miles (Collection: 7.90 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21095055	Evarts Pride Wastewater Sewer Extension	3-5 Years	Not Funded	$600,000	Harlan	19	4
SX21095053	City of Evarts Wastewater Collection and Treatment Plant Expansion	6-10 Years	Not Funded	$5,000,000	Harlan		
SX21095054	Evarts - Pride Wastewater Construction Program	6-10 Years	Not Funded	$1,365,000	Harlan		

System Summary for City of Evarts Turner Trailer Park

Permit ID	KY0077615	Treats Wastewater	Yes, 0.0099 MGD with 0.0025 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	30
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.98	Total KISOP Treated (MG)	-
Residential Customers	30	Total Treated (MG)	2.200
Commercial Customers	-	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.33 miles (Collection: 0.33 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for City of Evarts Turner Trailer Park

System Summary for City of Harlan

Permit ID	KY0026093	Treats Wastewater	Yes, 1.2 MGD with 0.47 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,353
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.56	Total KISOP Treated (MG)	-
Residential Customers	3,969	Total Treated (MG)	364.457
Commercial Customers	378	Number of Manholes	688
Institutional Customers	4	Number of Lift Stations	13
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 58.05 miles (Collection: 57.12 miles, Interceptors: 0.94 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21095050	Harlan: Sanitary Sewer - Combined Sewer Rehabilitation	0-2 Years	Partially Funded	$1,368,490	Harlan	6	3
SX21095008	U.S. 119 Fourmile - Wallins Sanitary Sewer Extension	0-2 Years	Partially Funded	$3,868,135	Harlan		
SX21095006	Sukey Ridge - Airport Road	6-10 Years	Not Funded	$3,723,469	Harlan		

System Summary for City of Loyall

Permit ID	KY0026115	Treats Wastewater	Yes, 0.185 MGD with 0.088 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	370
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.65	Total KISOP Treated (MG)	-
Residential Customers	350	Total Treated (MG)	23.358
Commercial Customers	20	Number of Manholes	107
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 7.28 miles (Collection: 7.28 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21095013	City of Loyall - CSO Elimination	0-2 Years	Not Funded	$271,498	Harlan	7	1
SX21095004	City of Loyall - wastewater Line Replacement Project Phase 3	3-5 Years	Not Funded	$1,284,500	Harlan		

System Summary for City of Lynch

Permit ID	KY0024279	Treats Wastewater	Yes, 0.2 MGD with 0.24 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	373
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$42.48	Total KISOP Treated (MG)	-
Residential Customers	367	Total Treated (MG)	64.605
Commercial Customers	5	Number of Manholes	116
Institutional Customers	1	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 7.76 miles (Collection: 7.65 miles, Interceptors: 0.11 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
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	$3,085,000	Harlan	12	2
SX21095060	City of Lynch (76)	6-10 Years	Not Funded	$2,069,320	Harlan		
SX21095061	Lynch: Wastewater Rehabilitation	0-2 Years	Partially Funded	$1,112,488	Harlan		

System Summary for Closplint Area WWTP

Permit ID	KY0107409	Treats Wastewater	Yes, 0.024 MGD with 0.024 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	5	Total Treated (MG)	0.735
Commercial Customers	-	Number of Manholes	1
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

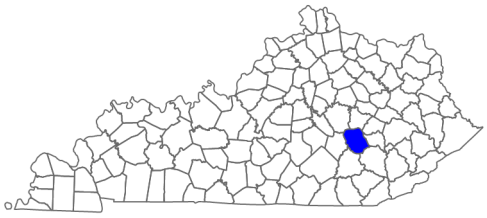
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Closplint Area WWTP

Jackson County

- 2010 census population of 13,494 (6,523 households) with 8% serviceable.
- Projected 2020 population of 13,771 (change of 277).
- Jackson County has 10.68 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,400,000.
- There are no projects planned from 6 to 10 years.



Jackson County has a 2010 census population count of 13,494 (6,523 households) with a projected 2020 population count of 13,771 (5,961 households). Public sewer is currently available to approximately 8 percent of the county's households based on 2010 census counts. Over the next ten years approximately 250 instances of improved service through the rehabilitation of 2.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of McKee	1	$1,400,000	-	250	-	2.00	-
Totals:	**1**	**$1,400,000**	**-**	**250**	**-**	**2.00**	**-**

Public Wastewater Systems in Jackson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0034444	City of McKee	Jackson	914	498
		Totals:	914	498

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
JACKSON COUNTY
Kentucky

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March, 2013

System Summary for City of McKee

Permit ID	KY0034444	Treats Wastewater	Yes, 0.17 MGD with 0.36 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	192
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.07	Total KISOP Treated (MG)	-
Residential Customers	128	Total Treated (MG)	56.940
Commercial Customers	64	Number of Manholes	110
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 10.52 miles (Collection: 10.26 miles, Interceptors: 0.25 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21109001	Phase 1 - Wastewater System Rehabilitation	3-5 Years	Partially Funded	$1,400,000	Jackson	2	1

System Summary for Jackson Co Regional Ind Park

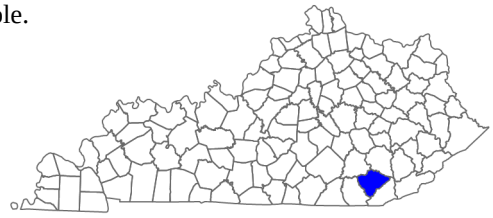
Permit ID	KY0088251	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$0.80	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Jackson Co Regional Ind Park

Knox County

- 2010 census population of 31,883 (14,485 households) with 32% serviceable.
- Projected 2020 population of 32,132 (change of 249).
- Knox County has 78.83 miles of existing sewer lines.
- 6.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,579,676.
- Estimated funding needs for projects from 6 to 10 years: $5,003,000.



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 sewer is currently available to approximately 32 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 6.00 miles of sewer line extensions and approximately 4,455 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Corbin	3	$965,716	4	-	2.00	-	-
Corbin City Utilities Commission	1	$1,613,960	-	4,455	-	1.00	-
Knox County Fiscal Court	1	$3,753,000	-	-	-	-	-
Knox County Utility Commission	1	$1,250,000	70	-	4.00	-	-
Totals:	**6**	**$7,582,676**	**74**	**4,455**	**6.00**	**1.00**	**-**

Public Wastewater Systems in Knox County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024082	Barbourville Utility Commission	Knox	5,604	2,546
KYP000074	Knox County Utility Commission	Knox	113	60
KY0020133	Corbin City Utilities Commission	Laurel	4,168	2,026
		Totals:	9,885	4,632

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
KNOX COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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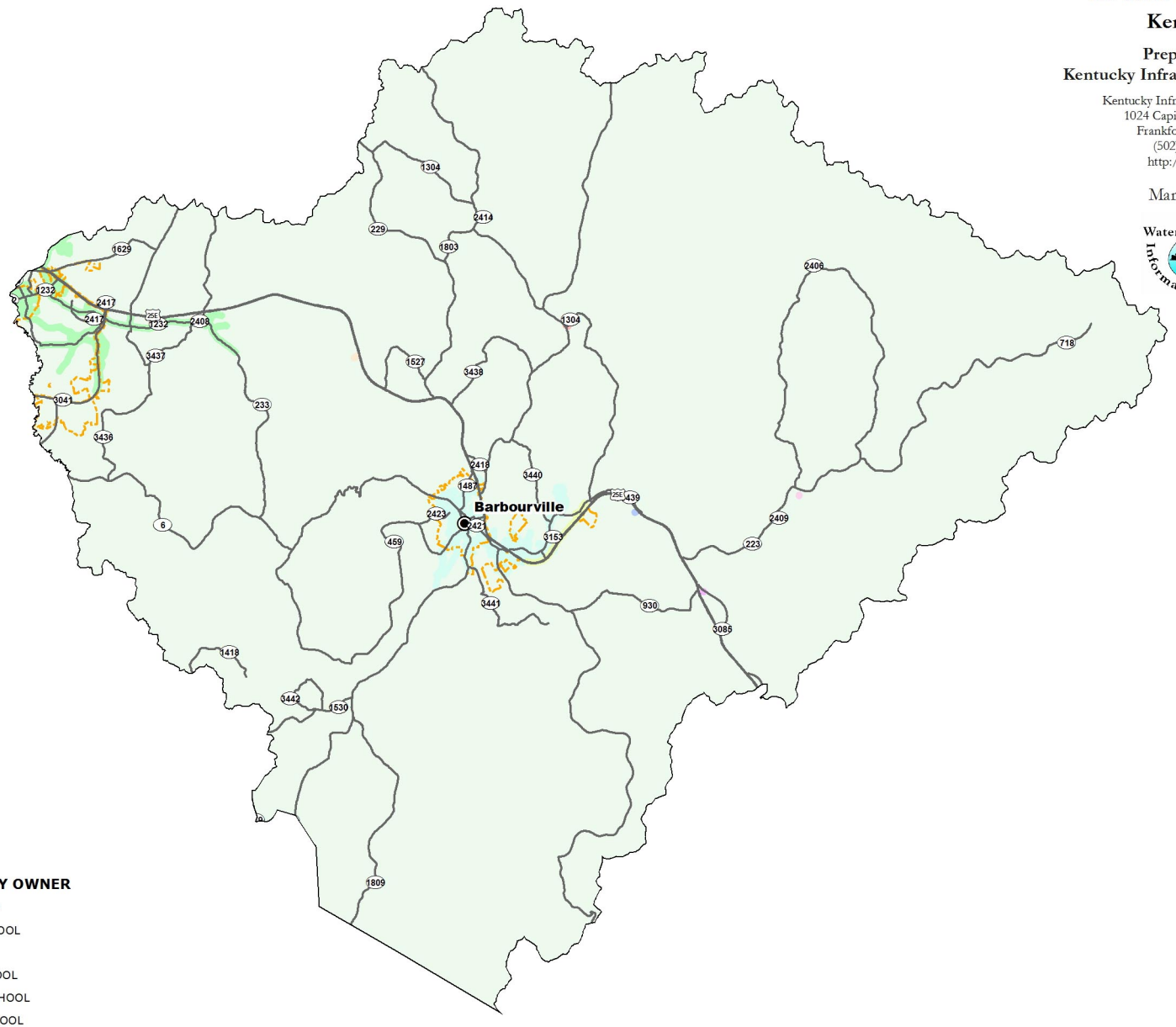
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BARBOURVILLE STP
- BOSTON ELEM SCHOOL
- CORBIN STP
- DEWITT ELEM SCHOOL
- FLAT LICK ELEM SCHOOL
- GIRDLER ELEM SCHOOL
- JACKSON MANCHINE SALES INC
- KNOX COUNTY UTILITY COMMISSION

System Summary for Barbourville Utility Commission

Permit ID	KY0024082	Treats Wastewater	Yes, 1.5 MGD with 0.67 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,274
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	12	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.45	Total KISOP Treated (MG)	3.965
Residential Customers	1,889	Total Treated (MG)	399.750
Commercial Customers	384	Number of Manholes	643
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 42.87 miles (Collection: 42.87 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Barbourville Utility Commission

System Summary for Knox County Utility Commission

Permit ID	KYP000074	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	15
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	3.965
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	12	Total Treated (MG)	-
Commercial Customers	2	Number of Manholes	15
Institutional Customers	1	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.75 miles (Collection: 0.91 miles, Interceptors: 1.84 miles).			

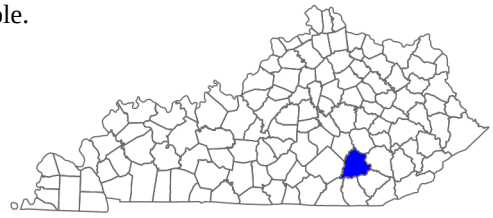
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21121504	Artemus Sewer Ext.	6-10 Years	Not Funded	$3,753,000	Knox		
SX21121501	Knox County (Bimble) Sewer Extension	6-10 Years	Not Funded	$1,250,000	Knox		

Laurel County

- 2010 census population of 58,849 (25,446 households) with 36% serviceable.
- Projected 2020 population of 64,713 (change of 5,864).
- Laurel County has 219.97 miles of existing sewer lines.
- 476.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 37.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $55,466,915.
- Estimated funding needs for projects from 6 to 10 years: $32,936,535.



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 sewer is currently available to approximately 36 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12,174 serviceable households will be added through the construction of 476.00 miles of sewer line extensions and approximately 3,800 instances of improved service through system wide upgrades. 37.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
East Laurel Water District	20	$34,193,889	4,908	3,500	255.00	-	-
London - Laurel County Industrial Development Authority	1	$333,750	3	-	-	-	-
London Utility Commission	9	$7,408,399	661	-	19.00	-	2.00
West Laurel Water Association Inc	13	$29,438,002	4,559	-	193.00	-	-
Wood Creek Water District	4	$17,029,410	2,043	300	9.00	-	35.00
Totals:	**47**	**$88,403,450**	**12,174**	**3,800**	**476.00**	**-**	**37.00**

Public Wastewater Systems in Laurel County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020133	Corbin City Utilities Commission	Laurel	3,007	1,351
KY0021270	London Utility Commission	Laurel	12,289	5,554
KYP000063	Wood Creek Water District	Laurel	4,988	2,260
		Totals:	20,284	9,165

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LAUREL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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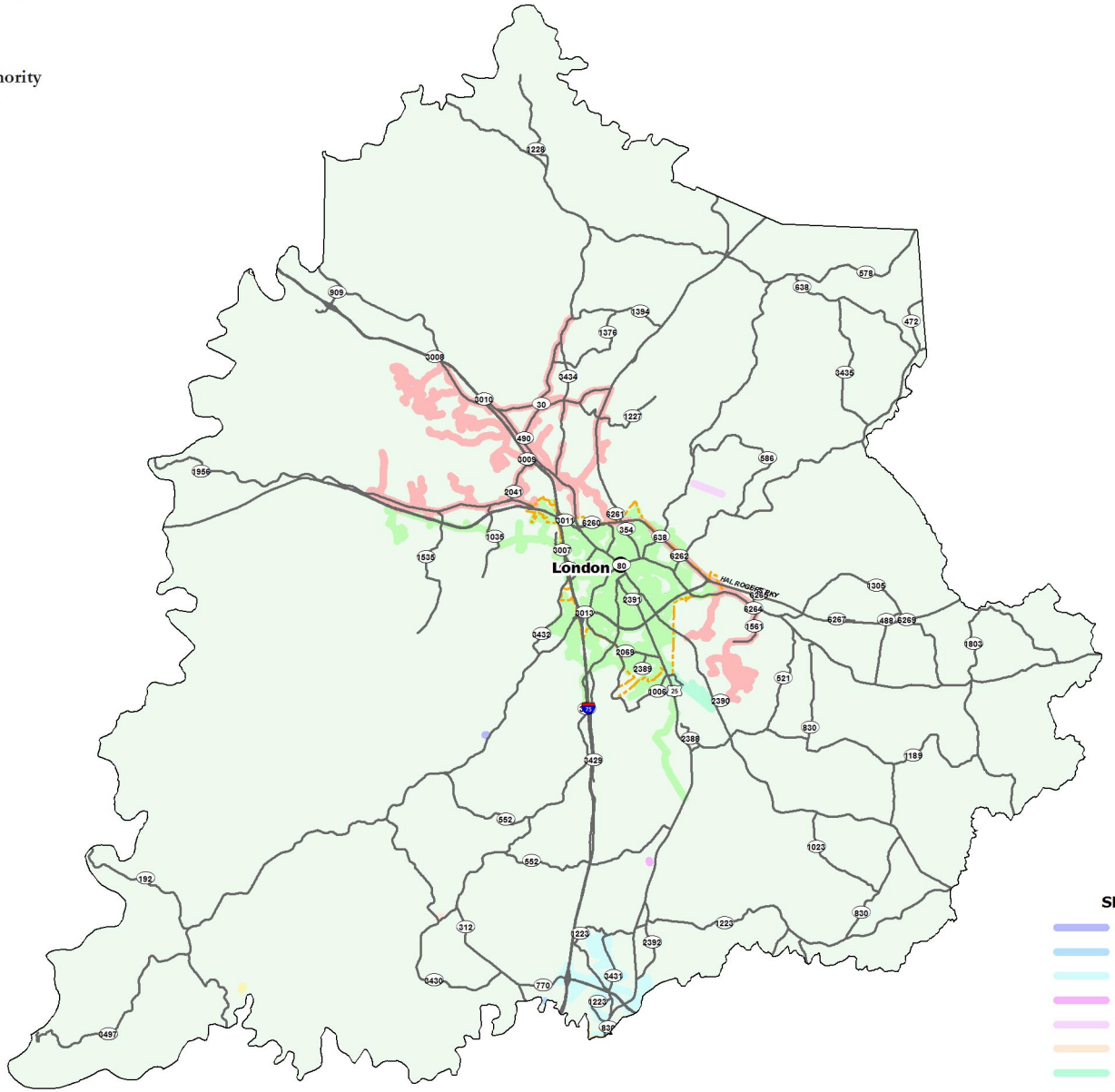
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- COLD HILL ELEM SCHOOL
- CORBIN KOA CAMPGROUND
- CORBIN STP
- CORNERSTONE CHRISTIAN SCHOOL
- JOHNSON ELEM SCHOOL
- KEAVY ELEMENTARY
- LEVI JACKSON WILDERNESS STATE PARK
- LONDON STP
- USDA FOREST SERVICE HOLLY BAY
- WOOD CREEK WATER DISTRICT

System Summary for Corbin City Utilities Commission

Permit ID	KY0020133	Treats Wastewater	Yes, 4.5 MGD with 2.42 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,455
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	36	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.72	Total KISOP Treated (MG)	-
Residential Customers	3,581	Total Treated (MG)	1,040.250
Commercial Customers	868	Number of Manholes	2300
Institutional Customers	-	Number of Lift Stations	28
Industrial Customers	6	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed

Total Collection System Line Length = 108.67 miles (Collection: 108.67 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21121004	Master Street Sewer Main Upgrade	0-2 Years	Not Funded	$1,613,960	Knox	3	1
SX21121003	Sewer Extension to Project Blossom Facility	0-2 Years	Not Funded	$371,000	Knox	15	4
SX21121002	Sewer Extension to Southeast Spec Building #3 - Project Boone	0-2 Years	Not Funded	$240,691	Knox	17	3
SX21253111	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greendale Street	3-5 Years	Not Funded	$248,020	Laurel	18	2
SX21125115	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	$231,475	Laurel	22	4
SX21235006	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	$4,732,000	Whitley		
SX21121506	North Corbin Sewer Ext.	6-10 Years	Not Funded	$1,315,000	Knox		
SX21125113	Corbin - Sanitary Sewer Collection System to Serve Dantley Drive	6-10 Years	Not Funded	$1,117,725	Whitley		
SX21121001	Sewer Extension to Grace Community Health Facility1	0-2 Years	Not Funded	$354,025	Knox		
SX21125114	Corbin: Sanitary Sewer Service Along London Avenue, Haskew Avenu	6-10 Years	Not Funded	$163,337	Knox		

System Summary for London Utility Commission

Permit ID	KY0021270	Treats Wastewater	Yes, 5 MGD with 2.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,424
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	30	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.93	Total KISOP Treated (MG)	78.368
Residential Customers	3,122	Total Treated (MG)	1,305.347
Commercial Customers	1,130	Number of Manholes	2091
Institutional Customers	161	Number of Lift Stations	20
Industrial Customers	10	Percent Lines 20 yrs or Older	50%
KISOP Customers	1	Has Facility Plan	Yes, 35% Constructed

Total Collection System Line Length = 125.24 miles (Collection: 124.48 miles, Interceptors: 0.76 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
SX21125520	London - Phase II to Serve The Area Between Parker Road and KY 192	6-10 Years	Not Funded	$2,258,520	Laurel		
SX21125215	Laurel County Sanitation District - KY Hwy 363 and Elementary Sc	3-5 Years	Not Funded	$958,737	Laurel		
SX21125519	London - Phase I to Serve The Area Between Parker Road (KY 3432) and I-75	6-10 Years	Not Funded	$918,450	Laurel		
SX21125518	London - Sunshine Hills Sanitary Sewer Extension Phase III	6-10 Years	Not Funded	$709,800	Laurel		
SX21125516	London Utility Commission - Sunshine Hills Area Phase I	3-5 Years	Not Funded	$605,800	Laurel		
SX21125002	South US 25 Force Main Sewer	3-5 Years	Not Funded	$588,132	Laurel		
SX21125517	London - Sunshine Hills Sanitary Sewer Extension Phase II	6-10 Years	Not Funded	$572,000	Laurel		
SX21125566	London - Phase III to Serve Areas Along KY 363 and KY 1006	6-10 Years	Not Funded	$492,960	Laurel		
SX21125005	Fariston Road Sanitary Sewer Extension	0-2 Years	Partially Funded	$333,750	Laurel		
SX21125321	Cross Keys Sewers - Phase II	3-5 Years	Not Funded	$304,000	Laurel		

System Summary for Wood Creek Water District

Permit ID	KYP000063	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,207
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	30	Total KISOP Sent (MG)	78.368
Cost Per 4000 Gallons	$35.14	Total KISOP Treated (MG)	-
Residential Customers	1,023	Total Treated (MG)	-
Commercial Customers	184	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 71.17 miles (Collection: 67.47 miles, Interceptors: 3.69 miles).			

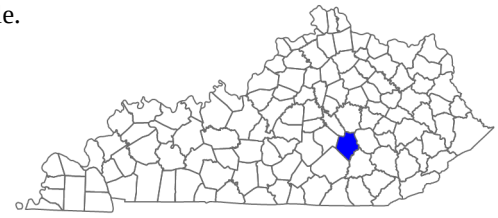
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21125322	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	$10,150,000	Laurel	8	1
SX21125318	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	$1,199,266	Laurel	16	3
SX21125006	Elza Road and Binder Subdivision Pressure Sewer Extension	0-2 Years	Not Funded	$1,279,410	Laurel	25	7
SX21125151	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	$4,000,000	Laurel	28	5
SX21125200	WLWA - Wastewater Line Extension #1 & Wastewater Treatment Plant	3-5 Years	Not Funded	$5,850,024	Laurel		
SX21125203	WLWA - Wastewater Line Extension #4	6-10 Years	Not Funded	$2,773,314	Laurel		
SX21125212	WLWA - Wastewater Line Extension #13	6-10 Years	Not Funded	$2,552,923	Laurel		
SX21125205	WLWA - Wastewater Line Extension #6	6-10 Years	Not Funded	$2,437,991	Laurel		
SX21125201	WLWA - Wastewater Line Extension #2	3-5 Years	Not Funded	$2,227,454	Laurel		
SX21125300	East Laurel Water District - Wastewater Treatment Plant	6-10 Years	Not Funded	$2,100,080	Laurel		
SX21125315	East Laurel Water District - Wastewater Line Extensions #15	6-10 Years	Not Funded	$2,059,002	Laurel		
SX21125302	East Laurel Water District - Wastewater Line Extension #2	3-5 Years	Not Funded	$1,979,872	Laurel		
SX21125311	East Laurel Water District - Wastewater Line Extensions #11	3-5 Years	Not Funded	$1,974,118	Laurel		
SX21125301	East Laurel Water District - Wastewater Line Extension #1	3-5 Years	Partially Funded	$1,959,446	Laurel		
SX21125206	WLWA - Wastewater Line Extension #7	6-10 Years	Not Funded	$1,951,567	Laurel		
SX21125309	East Laurel Water District - Wastewater Line Extension #9	3-5 Years	Not Funded	$1,939,067	Laurel		
SX21125307	East Laurel Water District - Wastewater Line Extensions #7	3-5 Years	Not Funded	$1,912,863	Laurel		
SX21125312	East Laurel Water District - Wastewater Line Extensions #12	3-5 Years	Not Funded	$1,903,037	Laurel		

Rockcastle County

- 2010 census population of 17,056 (7,703 households) with 27% serviceable.
- Projected 2020 population of 17,593 (change of 537).
- Rockcastle County has 49.92 miles of existing sewer lines.
- 21.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $21,000,110.
- Estimated funding needs for projects from 6 to 10 years: $5,073,000.



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 sewer is currently available to approximately 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,425 serviceable households will be added through the construction of 21.00 miles of sewer line extensions and approximately 1,910 instances of improved service through the rehabilitation of 4.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Brodhead	1	$5,000,000	-	360	-	-	-
City of Livingston	8	$4,916,110	295	512	3.00	2.00	-
City of Mount Vernon	7	$16,157,000	1,130	1,038	18.00	2.00	-
Totals:	**16**	**$26,073,110**	**1,425**	**1,910**	**21.00**	**4.00**	**-**

Public Wastewater Systems in Rockcastle County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0047431	City of Brodhead	Rockcastle	1,187	535
KY0040703	City of Livingston	Rockcastle	198	105
KY0024694	City of Mount Vernon	Rockcastle	3,029	1,427
		Totals:	4,414	2,067

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ROCKCASTLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority
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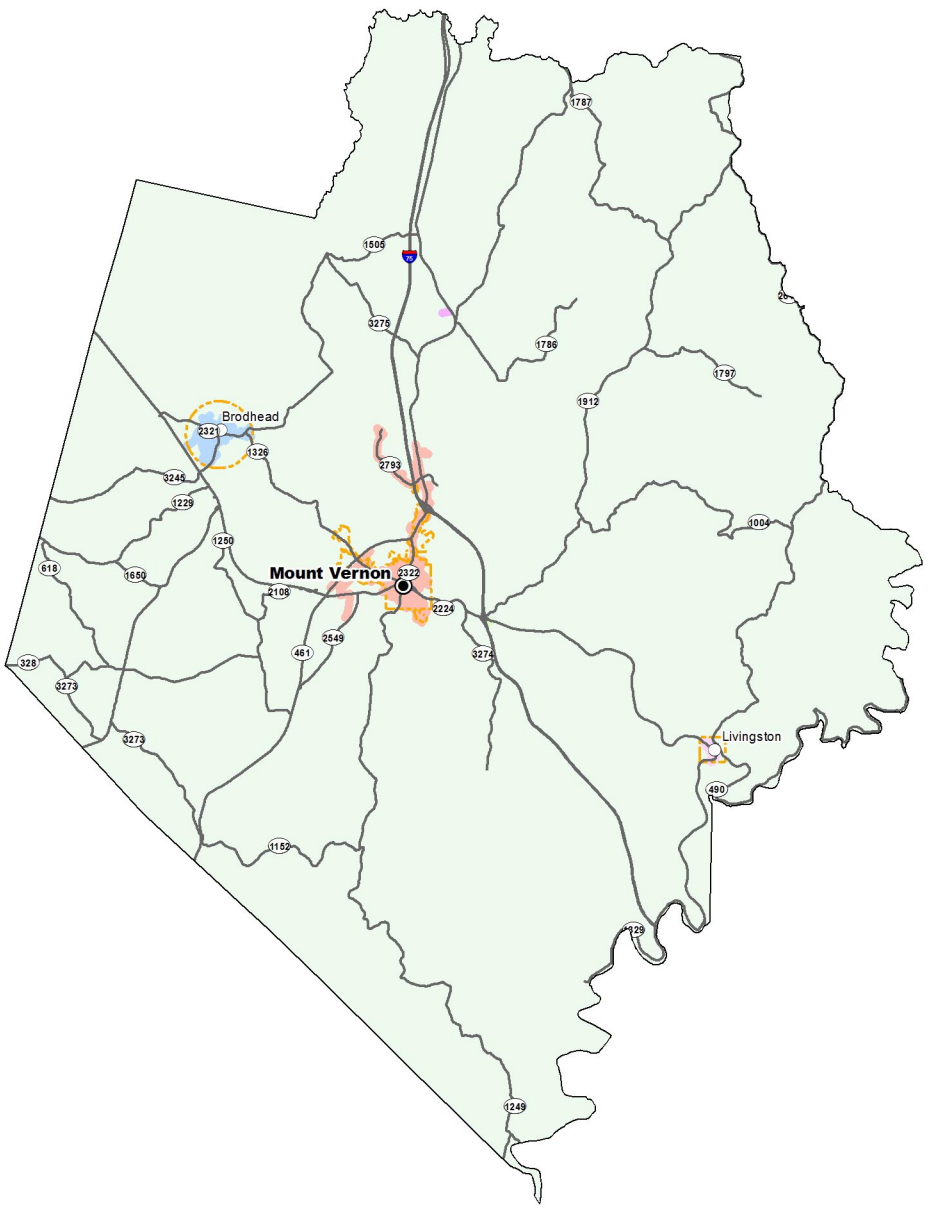
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- CITY OF BRODHEAD
- LIVINGSTON STP
- MT VERNON STP
- QUALITY SUNOCO
- ROUNDSTONE ELEMENTARY

System Summary for City of Brodhead

Permit ID	KY0047431	Treats Wastewater	Yes, 0.15 MGD with 0.19 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	405
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.86	Total KISOP Treated (MG)	-
Residential Customers	405	Total Treated (MG)	81.030
Commercial Customers	16	Number of Manholes	164
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	1	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 8.87 miles (Collection: 8.23 miles, Interceptors: 0.64 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
SX21203317	City of Brodhead - WWTP Upgrade and Improvement	0-2 Years	Not Funded	$5,000,000	Rockcastle	5	1

System Summary for City of Livingston

Permit ID	KY0040703	Treats Wastewater	Yes, 0.04 MGD with 0.032 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	83
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.50	Total KISOP Treated (MG)	-
Residential Customers	67	Total Treated (MG)	10.382
Commercial Customers	-	Number of Manholes	38
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 2.14 miles (Collection: 2.13 miles, Interceptors: 0.02 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21203001	Wastewater Collection System Improvement Project	0-2 Years	Not Funded	$293,110	Rockcastle	10	2
SX21203153	Wastewater System Improvements Project	3-5 Years	Not Funded	$1,419,000	Rockcastle		
SX21203156	City of Livingston - New 60,000 GPD WWTP	6-10 Years	Not Funded	$718,000	Rockcastle		
SX21203158	City of Livingston - New Sewers - KY490 & Gauley to Piney Creek Roads	6-10 Years	Not Funded	$718,000	Rockcastle		
SX21203160	City of Livingston - N.W. Sewer Line Rehab (Flows to P.S.)	3-5 Years	Not Funded	$616,000	Rockcastle		
SX21203159	City of Livingston - S.E Sewer Line Rehab (Flows to WWTP)	3-5 Years	Not Funded	$567,000	Rockcastle		
SX21203157	City of Livingston - New Sewers-White Star Area	6-10 Years	Not Funded	$429,000	Rockcastle		
SX21203161	City of Livingston - Replace Main Sewer Pump Station	3-5 Years	Not Funded	$156,000	Rockcastle		

System Summary for City of Mount Vernon

Permit ID	KY0024694	Treats Wastewater	Yes, 0.37 MGD with 0.15 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,076
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.02	Total KISOP Treated (MG)	-
Residential Customers	875	Total Treated (MG)	76.660
Commercial Customers	183	Number of Manholes	361
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 38.87 miles (Collection: 36.01 miles, Interceptors: 2.86 miles).			

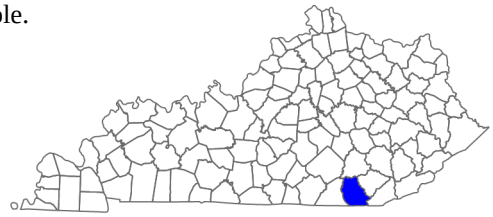
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21203190	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	$1,640,000	Rockcastle	11	3
SX21203002	City of Mt. Vernon Sewer Lift Station Rehab Project	0-2 Years	Not Funded	$424,000	Rockcastle	14	5
SX21203191	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	$5,500,000	Rockcastle	26	4
SX21203192	Mount Vernon Wastewater Gravity Force Main and Lift Station Hwy 25 South From Mt. Vernon to Burr Area	3-5 Years	Not Funded	$5,385,000	Rockcastle		
SX21203197	City of Mt. Vernon: Rainbow Ridge Area Sanitary Collection and Transfer	6-10 Years	Not Funded	$2,091,000	Rockcastle		
SX21203196	City of Mt. Vernon: Little Rock Hill Road Area Sanitary Collection and Transfer	6-10 Years	Not Funded	$1,034,000	Rockcastle		
SX21203527	City of Mount Vernon - US 25 Sewer Force Main Project	6-10 Years	Not Funded	$83,000	Rockcastle		

Whitley County

- 2010 census population of 35,637 (15,166 households) with 32% serviceable.
- Projected 2020 population of 35,256 (change of -381).
- Whitley County has 100.98 miles of existing sewer lines.
- 20.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,331,411.
- Estimated funding needs for projects from 6 to 10 years: $14,482,080.



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 sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,081 serviceable households will be added through the construction of 20.00 miles of sewer line extensions and approximately 1,650 instances of improved service through system wide upgrades. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Williamsburg	1	$1,599,411	3	1,650	2.00	-	-
Corbin City Utilities Commission	1	$4,732,000	300	-	8.00	-	2.00
Whitley County Fiscal Court	4	$14,482,080	778	-	10.00	-	-
Totals:	**6**	**$20,813,491**	**1,081**	**1,650**	**20.00**	**-**	**2.00**

Public Wastewater Systems in Whitley County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028347	City of Williamsburg	Whitley	5,635	2,166
KY0020133	Corbin City Utilities Commission	Laurel	5,847	2,752
		Totals:	11,482	4,918

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
WHITLEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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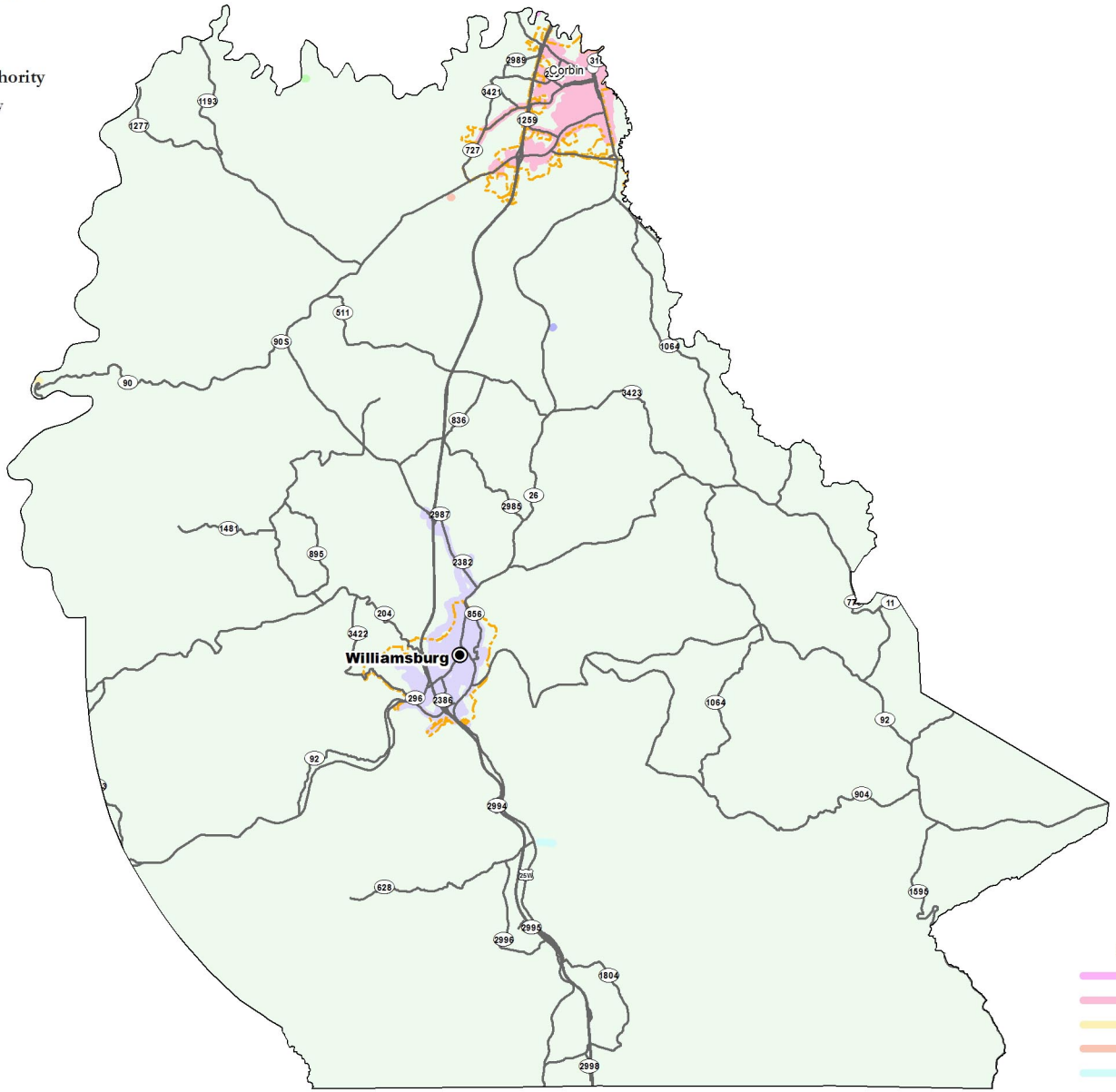
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- CORBIN KOA CAMPGROUND
- CORBIN STP
- CUMBERLAND FALLS STATE PARK
- OAK GROVE ELEM SCHOOL
- PLEASANT VIEW ELEM SCHOOL
- USDA FOREST SERVICE GROVE CPDG
- WHITLEY NORTH ELEM SCHOOL
- WILLIAMSBURG STP

System Summary for City of Williamsburg

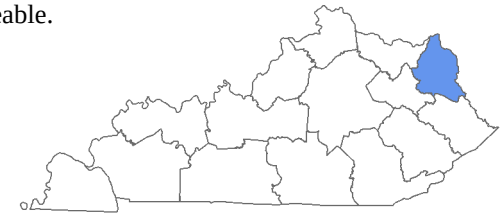
Permit ID	KY0028347	Treats Wastewater	Yes, 2 MGD with 1.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,568
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.36	Total KISOP Treated (MG)	-
Residential Customers	1,367	Total Treated (MG)	398.785
Commercial Customers	186	Number of Manholes	610
Institutional Customers	-	Number of Lift Stations	25
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 44.37 miles (Collection: 44.37 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21235218	Whitley County: Package Treatment Plant At Pleasant View/Cane Cr	6-10 Years	Not Funded	$5,839,680	Whitley		
SX21235224	Whitley County: Wastewater Line Extension to Clio Airport	6-10 Years	Not Funded	$5,802,720	Whitley		
SX21235219	Whitley County: Package Treatment Plant and Wastewater Line to M	6-10 Years	Not Funded	$1,991,680	Whitley		
SX21235005	Ball Park Pump Station/ Force Main - Phase II	0-2 Years	Not Funded	$1,599,411	Whitley		
SX21235222	Whitley County: Wastewater Line Extension to Hanging Rock Commun	6-10 Years	Not Funded	$848,000	Whitley		

Five County Area Development District (FIVCO)



- 2010 census population of 137,884 (61,101 households) with 53% serviceable.
- Projected 2020 population of 139,098 (change of 1,214).
- 590.49 miles of existing sewer lines.
- 62.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- 7.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $87,683,791.
- Estimated funding needs for projects from 6 to 10 years: $21,569,560.
- Average age of wastewater treatment plants is 36 years.
- Total number of interconnected systems is 9.
- 59 miles of sewer lines less than 15 years old.
- 242 miles of sewer lines between 15 and 30 years old.
- 194 miles of sewer lines between 31 and 50 years old.
- 87 miles of sewer lines between 51 and 70 years old.
- 6 miles of sewer lines greater than 70 years old.

Five County Area Development District has a 2010 census population count of 137,884 (61,101 households) with a projected 2020 population count of 139,098 (56,252 households). Public sewer is currently available to approximately 53 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,198 serviceable households will be added through the construction of 62.00 miles of sewer line extensions and approximately 43,896 instances of improved service through the rehabilitation of 17.00 miles of existing sewer lines and other appurtenances. 7.00 miles of interceptor lines are also proposed within this district.

County Summary for Five County Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boyd	49,542	21,803	49,446	20,040	17,662	81%	$ 47,369,780
Carter	27,720	12,311	28,459	11,508	2,897	24%	$ 12,612,000
Elliott	7,852	3,371	8,078	3,011	374	11%	-
Greenup	36,910	16,330	36,923	15,046	9,270	57%	$ 18,538,311
Lawrence	15,860	7,286	16,192	6,647	1,943	27%	$ 30,733,260
Totals	**137,884**	**61,101**	**139,098**	**56,252**	**32,146**	**53%**	**$ 109,253,351**

Water Resource Information System

Kentucky Infrastructure Authority

February 15, 2018

EXISTING & PROPOSED SEWER LINES

FIVCO

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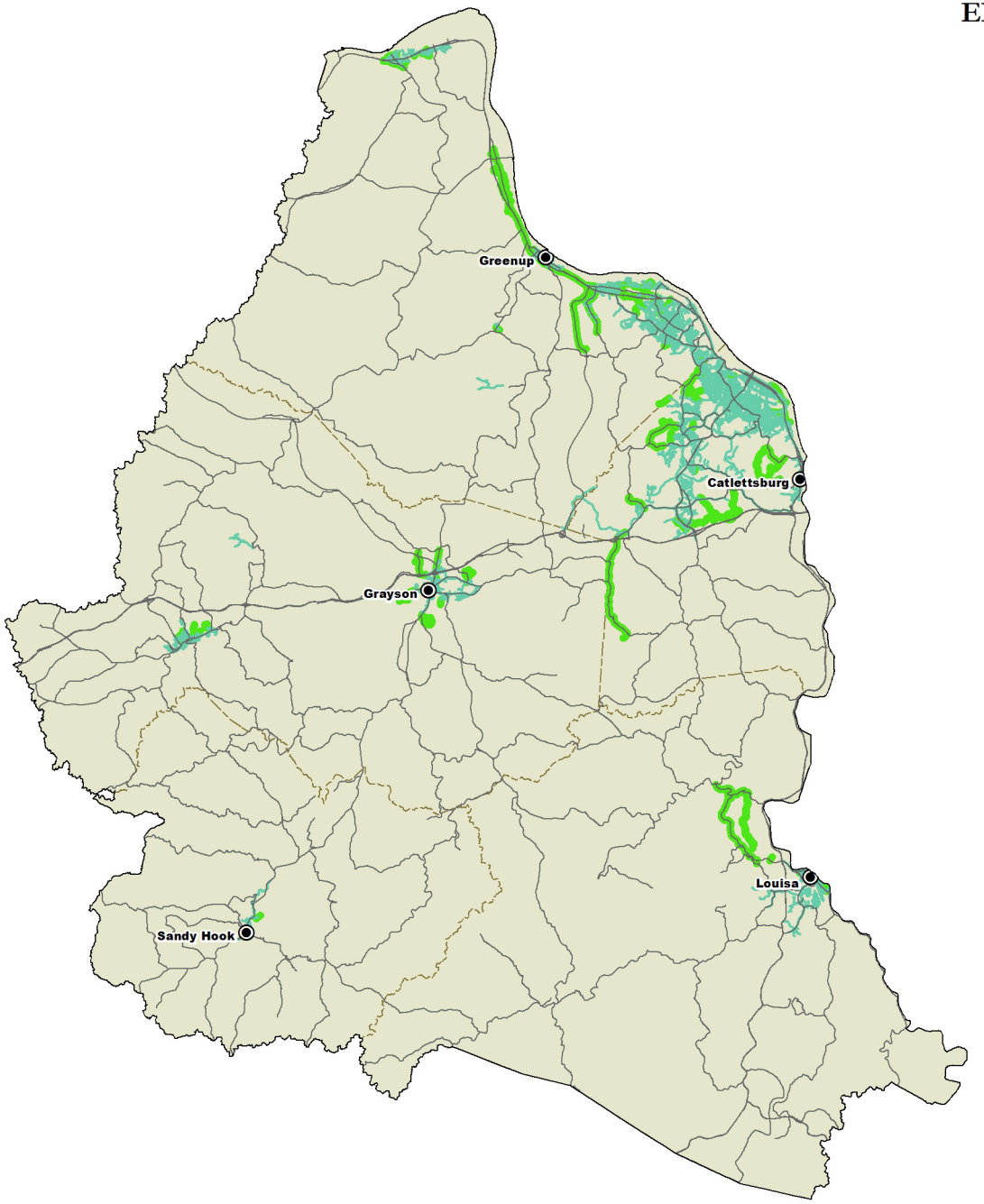
March, 2013



SEWER LINES

- Proposed Sewer Lines
- Existing Sewer Lines

Water Resource Information System

Public Sewer Systems in the Five County Area Development District

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

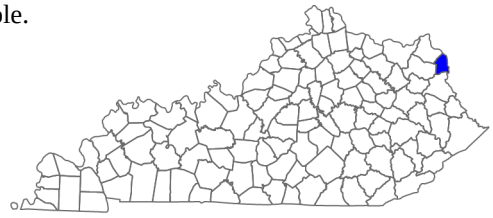
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000035	Boyd County Sanitation District #2	Boyd	4,144	1,849
KYP000044	Boyd County Sanitation District #4	Boyd	10,724	4,119
KY0022373	City of Ashland	Boyd	21,625	10,513
KY0035467	City of Catlettsburg	Boyd	2,427	1,138
KY0025925	City of Olive Hill	Carter	1,821	890
KY0020931	Grayson Utility Commission	Carter	4,723	1,994
KY0052264	City of Sandy Hook	Elliott	700	374
KYP000040	Boyd & Greenup County Sanitation District #1	Greenup	3,375	1,415
KYP000039	City of Flatwoods	Greenup	7,719	3,442
KYP000091	City of Greenup	Greenup	1,129	478
KY0077194	City of Greenup - Alpine Village Subdivision	Greenup	51	20
KYP000038	City of Raceland	Greenup	2,388	1,109
KYP000037	City of Russell	Greenup	854	420
KY0026131	City of South Shore	Greenup	2,270	1,097
KY0022926	City of Worthington	Greenup	1,611	682
KYP000090	City of Wurtland	Greenup	1,153	514
KY0033553	Greenup Joint Sewer Agency	Greenup	192	80
KY0027961	City of Louisa	Lawrence	3,433	1,588
KYP000061	Lawrence County Fiscal Court	Lawrence	822	353
		Totals:	71,161	32,075

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019065	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	0-2 Years	Not Funded	$25,000,000	Boyd	1	1
SX21089056	City of Flatwoods I & I Study and Rehab Project	0-2 Years	Not Funded	$650,000	Greenup	2	2
SX21019062	Sd2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	$2,173,000	Boyd	3	3
SX21089110	City of Russell I & I Study and Sewer Rehab Project	0-2 Years	Not Funded	$500,500	Greenup	4	3
SX21127029	Louisa: Wastewater Treatment Plant	3-5 Years	Not Funded	$21,000,000	Lawrence	5	1
SX21089111	Phase 2 Sewer Line Extension Project (Lloyd)	0-2 Years	Not Funded	$4,215,000	Greenup	6	1
SX21019077	SD4: Rehab Ray Drive Sewer Line	0-2 Years	Not Funded	$312,000	Boyd	7	2
SX21089095	South Shore: Upgrade McKell Lift Station	0-2 Years	Not Funded	$425,000	Greenup	8	
SX21089096	South Shore: Upgrade Forest Heights Collection Lines	3-5 Years	Not Funded	$1,035,000	Greenup	9	
SX21089108	Raceland: Rehab the Williams Avenue Lift Station	0-2 Years	Not Funded	$250,000	Greenup	10	4
SX21089085	Wurtland: Phase 2 of System Rehab	0-2 Years	Not Funded	$500,000	Greenup	11	5
SX21089113	GCEC: Raceland Lift Station Upgrade Project	3-5 Years	Not Funded	$321,000	Greenup	12	
SX21089093	Raceland: Update Systemwide SSES & I&I Study	3-5 Years	Not Funded	$85,000	Greenup	13	
SX21089068	Raceland: Rogers Avenue Upgrade	0-2 Years	Not Funded	$30,000	Greenup	14	
SX21043040	Tygart Creek Crossing Project	0-2 Years	Not Funded	$135,000	Carter	15	1
SX21089112	GJSA Wastewater Treatment Plant East Train Rehab Project	0-2 Years	Not Funded	$330,000	Greenup	16	
SX21089036	Greenup: Rehab Or Replacement of Collection System	3-5 Years	Not Funded	$2,000,000	Greenup	17	
SX21043018	Olive Hill: Woodland Subdivision Sewer Project	3-5 Years	Not Funded	$315,000	Carter	18	3
SX21043030	Grayson: Rolling Hills Subdivision Sewer Extension	3-5 Years	Not Funded	$1,200,000	Carter	19	2
SX21089094	Wurtland: Industrial Parkway Sewer Service	0-2 Years	Not Funded	$100,000	Greenup	20	
SX21089106	GCFC: Force Main Project from Progressive Railroad to Wurtland	0-2 Years	Not Funded	$523,500	Greenup	21	
SX21089083	Flatwoods: Jones Street Sewer Project	0-2 Years	Not Funded	$650,000	Greenup	22	
SX21089005	Worthington: Rehab Project to Replace Clay Pipe	0-2 Years	Not Funded	$300,000	Greenup	23	
SX21089121	Rehab of sewer lines on Gregory and Diedrich	0-2 Years	Not Funded	$173,000	Greenup	24	
SX21089084	Flatwoods: Diedrich Drive Sewer Project	0-2 Years	Not Funded	$425,000	Greenup	25	
SX21089031	City of Raceland: Lynnwood Street Sewer Replacement	0-2 Years	Not Funded	$38,000	Greenup	26	
SX21089080	Flatwoods: Federal Way Sewer Line Upgrade and Replacement	0-2 Years	Not Funded	$400,000	Greenup	27	
SX21043017	Olive Hill: Rehab of City Lines to Replace Clay Pipe	0-2 Years	Not Funded	$1,400,000	Carter	28	
SX21019080	New Wastewater Facilities	0-2 Years	Not Funded	$800,000	Boyd	29	4
SX21043035	Grayson: Plantation Subdivision Sewer Extension Project	3-5 Years	Not Funded	$1,900,000	Carter	30	4
SX21043004	Grayson: US 60 West to Sunset Hills	6-10 Years	Not Funded	$765,000	Carter	31	5
			Total Cost:	**$67,951,000**			

Boyd County

- 2010 census population of 49,542 (21,803 households) with 81% serviceable.
- Projected 2020 population of 49,446 (change of -96).
- Boyd County has 305.43 miles of existing sewer lines.
- 21.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $38,809,780.
- Estimated funding needs for projects from 6 to 10 years: $8,560,000.



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 sewer is currently available to approximately 81 percent of the county's households based on 2010 census counts. Over the next ten years approximately 554 serviceable households will be added through the construction of 21.00 miles of sewer line extensions and approximately 26,780 instances of improved service through the rehabilitation of 2.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Boyd County Sanitation District #2	2	$3,273,000	-	1,537	1.00	-	-
Boyd County Sanitation District #4	8	$13,572,000	554	15	20.00	-	-
City of Ashland	4	$30,224,780	-	24,054	-	2.00	-
City of Catlettsburg	1	$300,000	-	1,174	-	-	-
Totals:	**15**	**$47,369,780**	**554**	**26,780**	**21.00**	**2.00**	**-**

Public Wastewater Systems in Boyd County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000035	Boyd County Sanitation District #2	Boyd	4,073	1,819
KYP000044	Boyd County Sanitation District #4	Boyd	10,708	4,111
KY0022373	City of Ashland	Boyd	21,625	10,513
KY0035467	City of Catlettsburg	Boyd	2,427	1,138
KYP000040	Boyd & Greenup County Sanitation District #1	Greenup	160	78
		Totals:	38,993	17,659

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BOYD COUNTY
Kentucky

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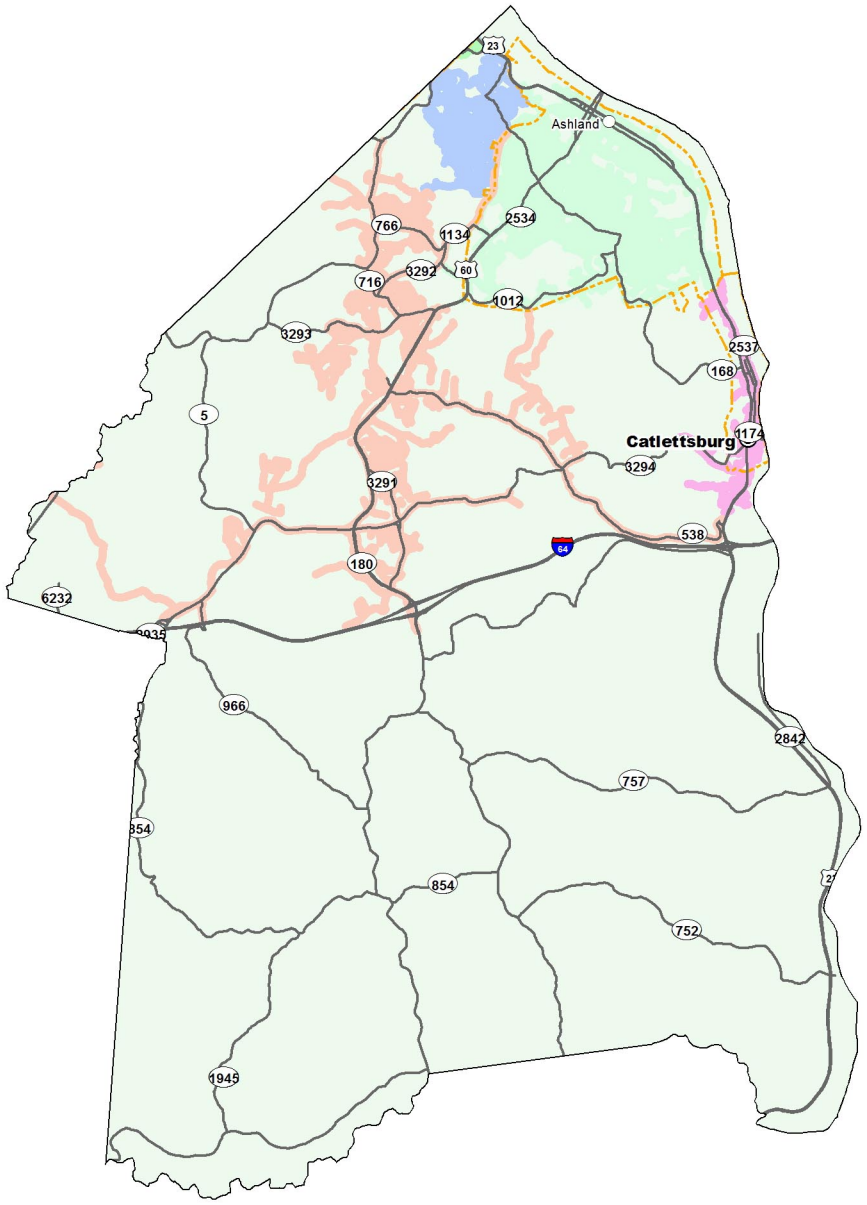
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- ASHLAND SEWER DEPARTMENT
- BOYD & GREENUP COUNTY SANITATION DISTRICT #1
- BOYD COUNTY SANITATION DISTRICT #2
- BOYD COUNTY SANITATION DISTRICT #4
- CATLETTSBURG SEWER DEPARTMENT

System Summary for Birchwood Townhouses

Permit ID	KY0077381	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	6	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.14 miles (Collection: 0.14 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Birchwood Townhouses

System Summary for Boyd County Sanitation District #2

Permit ID	KYP000035	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,489
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	68.594
Cost Per 4000 Gallons	$33.42	Total KISOP Treated (MG)	-
Residential Customers	1,483	Total Treated (MG)	-
Commercial Customers	31	Number of Manholes	901
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	45%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 34.55 miles (Collection: 34.09 miles, Interceptors: 0.46 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Boyd County Sanitation District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019062	Sd2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	$2,173,000	Boyd	3	3
SX21019063	SD2: Ferguson Street Sewer Extension	3-5 Years	Not Funded	$1,100,000	Boyd		

System Summary for Boyd County Sanitation District #4

Permit ID	KYP000044	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	3,893
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	132.382
Cost Per 4000 Gallons	$47.18	Total KISOP Treated (MG)	-
Residential Customers	3,625	Total Treated (MG)	-
Commercial Customers	254	Number of Manholes	1300
Institutional Customers	14	Number of Lift Stations	34
Industrial Customers	-	Percent Lines 20 yrs or Older	12%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 111.32 miles (Collection: 105.80 miles, Interceptors: 5.52 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Boyd County Sanitation District #4

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019077	SD4: Rehab Ray Drive Sewer Line	0-2 Years	Not Funded	$312,000	Boyd	7	2
SX21019031	BCFC: Phase IV Johnson Fork, Catletts Creek, and Twin Fork	3-5 Years	Not Funded	$3,350,000	Boyd		
SX21019021	BCFC: Phase IV Tarpin Ridge, Alley Branch, Collings Branch	6-10 Years	Not Funded	$3,300,000	Boyd		
SX21019026	BCFC: Phase IV Sr5 From New Buckley Rd to Paradise Rd	6-10 Years	Not Funded	$3,000,000	Boyd		
SX21019068	SD4: North Big Run Project	6-10 Years	Not Funded	$2,000,000	Boyd		
SX21019053	SD4: Systemwide Pump Station Maintenance	0-2 Years	Not Funded	$950,000	Boyd		
SX21019022	BCFC: Phase IV SR 5 Princess Area	3-5 Years	Not Funded	$400,000	Boyd		
SX21019028	BCFC: Phase IV Rockhouse Rock Extension Into Greenup County	6-10 Years	Not Funded	$260,000	Boyd		

System Summary for City of Ashland

Permit ID	KY0022373	Treats Wastewater	Yes, 11 MGD with 6.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	9,135
Owner Type	Incorporated City	KISOP Sender	No
Employees	12	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.14	Total KISOP Treated (MG)	132.382
Residential Customers	7,491	Total Treated (MG)	1,883.700
Commercial Customers	1,467	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	17
Industrial Customers	8	Percent Lines 20 yrs or Older	0%
KISOP Customers	1	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 139.57 miles (Collection: 132.87 miles, Interceptors: 6.70 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019065	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	0-2 Years	Not Funded	$25,000,000	Boyd	1	1
SX21019080	New Wastewater Facilities	0-2 Years	Not Funded	$800,000	Boyd	29	4
SX21019081	29th Street Storm Water Separation Project	0-2 Years	Not Funded	$4,024,780	Boyd		
SX21019074	Ashland: Replace 39th Street Trunk Sewer	3-5 Years	Not Funded	$400,000	Boyd		

System Summary for City of Catlettsburg

Permit ID	KY0035467	Treats Wastewater	Yes, 0.5 MGD with 0.656 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,172
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.16	Total KISOP Treated (MG)	-
Residential Customers	977	Total Treated (MG)	168.294
Commercial Customers	195	Number of Manholes	247
Institutional Customers	1	Number of Lift Stations	12
Industrial Customers	1	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 45% Constructed
Total Collection System Line Length = 21.63 miles (Collection: 19.31 miles, Interceptors: 2.31 miles).			

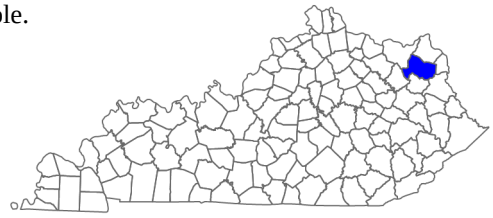
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019064	Catlettsburg: Grit Chamber Rehab/Replacement	0-2 Years	Not Funded	$300,000	Boyd		

Carter County

- 2010 census population of 27,720 (12,311 households) with 24% serviceable.
- Projected 2020 population of 28,459 (change of 739).
- Carter County has 57.99 miles of existing sewer lines.
- 13.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,732,000.
- Estimated funding needs for projects from 6 to 10 years: $6,880,000.



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 sewer is currently available to approximately 24 percent of the county's households based on 2010 census counts. Over the next ten years approximately 573 serviceable households will be added through the construction of 13.00 miles of sewer line extensions and approximately 1,057 instances of improved service through system wide upgrades. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Grayson	2	$3,100,000	220	-	5.00	-	-
City of Olive Hill	5	$6,040,000	35	1,043	-	-	2.00
Grayson Utility Commission	6	$3,472,000	318	14	8.00	-	-
Totals:	**13**	**$12,612,000**	**573**	**1,057**	**13.00**	**-**	**2.00**

Public Wastewater Systems in Carter County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025925	City of Olive Hill	Carter	1,821	890
KY0020931	Grayson Utility Commission	Carter	4,723	1,994
		Totals:	6,544	2,884

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CARTER COUNTY
Kentucky

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Kentucky Infrastructure Authority

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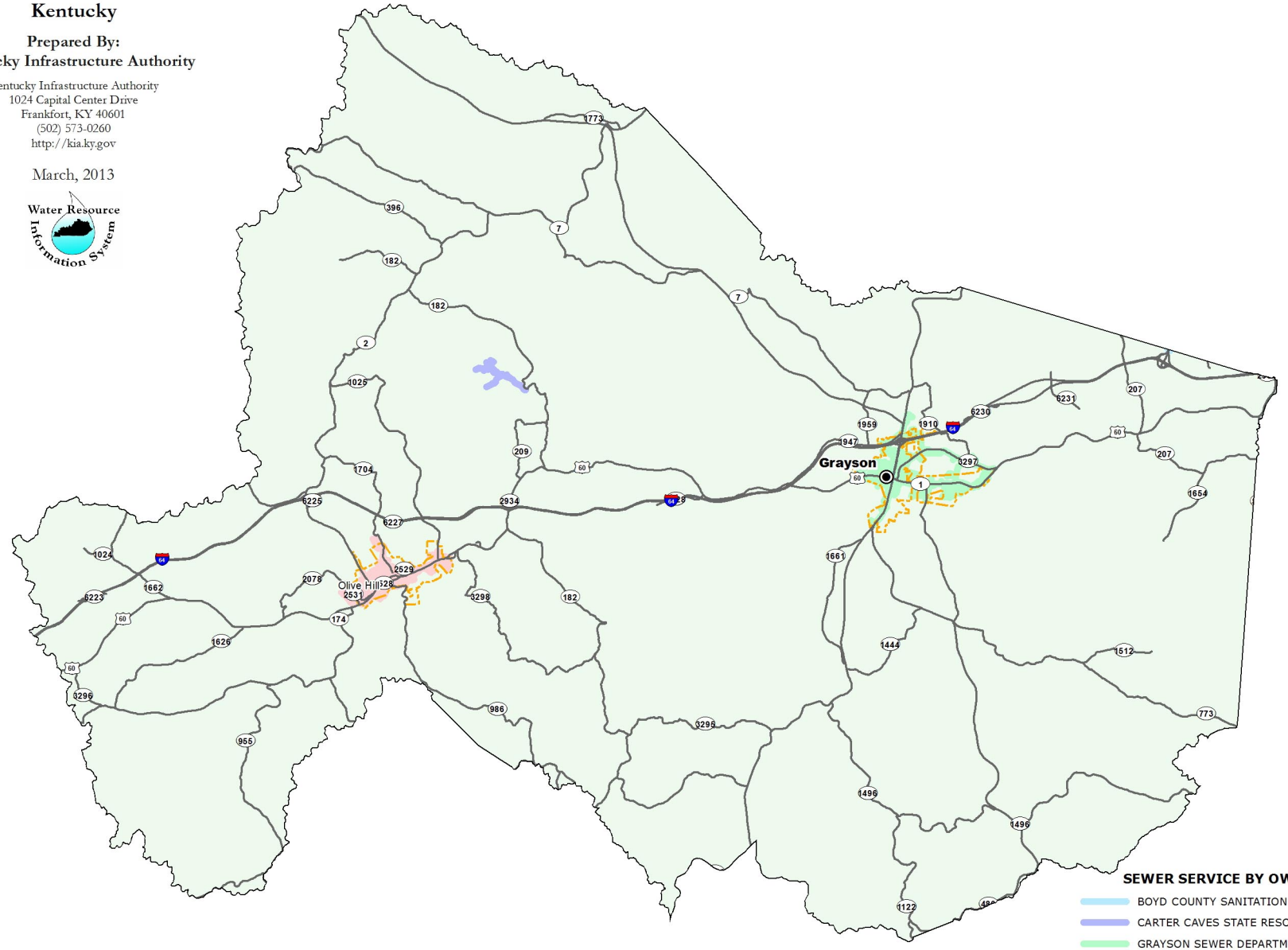
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BOYD COUNTY SANITATION DISTRICT #4
- CARTER CAVES STATE RESORT PARK
- GRAYSON SEWER DEPARTMENT
- OLIVE HILL SEWER DEPARTMENT

System Summary for Brown Apartment Rentals

Permit ID	KY0083496	Treats Wastewater	Yes, 0.001 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	5	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Brown Apartment Rentals

System Summary for City of Olive Hill

Permit ID	KY0025925	Treats Wastewater	Yes, 0.35 MGD with 0.268 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	809
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.00	Total KISOP Treated (MG)	-
Residential Customers	689	Total Treated (MG)	97.820
Commercial Customers	111	Number of Manholes	300
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 19.77 miles (Collection: 18.40 miles, Interceptors: 1.37 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21043040	Tygart Creek Crossing Project	0-2 Years	Not Funded	$135,000	Carter	15	1
SX21043018	Olive Hill: Woodland Subdivision Sewer Project	3-5 Years	Not Funded	$315,000	Carter	18	3
SX21043017	Olive Hill: Rehab of City Lines to Replace Clay Pipe	0-2 Years	Not Funded	$1,400,000	Carter	28	
SX21043037	Wastewater Treatment Plant Upgrade Project	6-10 Years	Not Funded	$3,500,000	Carter		
SX21043019	Olive Hill: Smokey Valley Sewer Line Extension	3-5 Years	Not Funded	$525,000	Carter		
SX21043036	Olive Hill: Oxidation Ditch Upgrade and Electrical Repairs	0-2 Years	Not Funded	$300,000	Carter		

System Summary for Grayson Utility Commission

Permit ID	KY0020931	Treats Wastewater	Yes, 0.966 MGD with 0.941 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,559
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.48	Total KISOP Treated (MG)	-
Residential Customers	750	Total Treated (MG)	329.323
Commercial Customers	809	Number of Manholes	350
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 60% Constructed

Total Collection System Line Length = 32.40 miles (Collection: 30.87 miles, Interceptors: 1.53 miles).

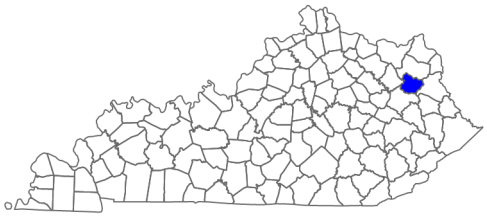
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21043030	Grayson: Rolling Hills Subdivision Sewer Extension	3-5 Years	Not Funded	$1,200,000	Carter	19	2
SX21043035	Grayson: Plantation Subdivision Sewer Extension Project	3-5 Years	Not Funded	$1,900,000	Carter	30	4
SX21043004	Grayson: US 60 West to Sunset Hills	6-10 Years	Not Funded	$765,000	Carter	31	5
SX21043006	Grayson: Valleyview Subdivision	6-10 Years	Not Funded	$775,000	Carter		
SX21043007	Grayson: KY 1947 to Hidden Subdivision & Corral Park	6-10 Years	Not Funded	$775,000	Carter		
SX21043003	Grayson: Rt 7 to Landsdowne Subdivision	6-10 Years	Not Funded	$765,000	Carter		
SX21043024	Grayson: Route 1 Sewer Project	6-10 Years	Not Funded	$300,000	Carter		
SX21043038	Grayson Utility Commission Sewer Line Replacement Project	0-2 Years	Not Funded	$92,000	Carter		

Elliott County

- 2010 census population of 7,852 (3,371 households) with 11% serviceable.
- Projected 2020 population of 8,078 (change of 226).
- Elliott County has 12.33 miles of existing sewer 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 interceptor 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 sewer is currently available to approximately 11 percent of the county's households based on 2010 census counts. There are no projects proposed for this county over the next 10 years.

Public Wastewater Systems in Elliott County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0052264	City of Sandy Hook	Elliott	700	374
		Totals:	700	374

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ELLIOTT COUNTY
Kentucky

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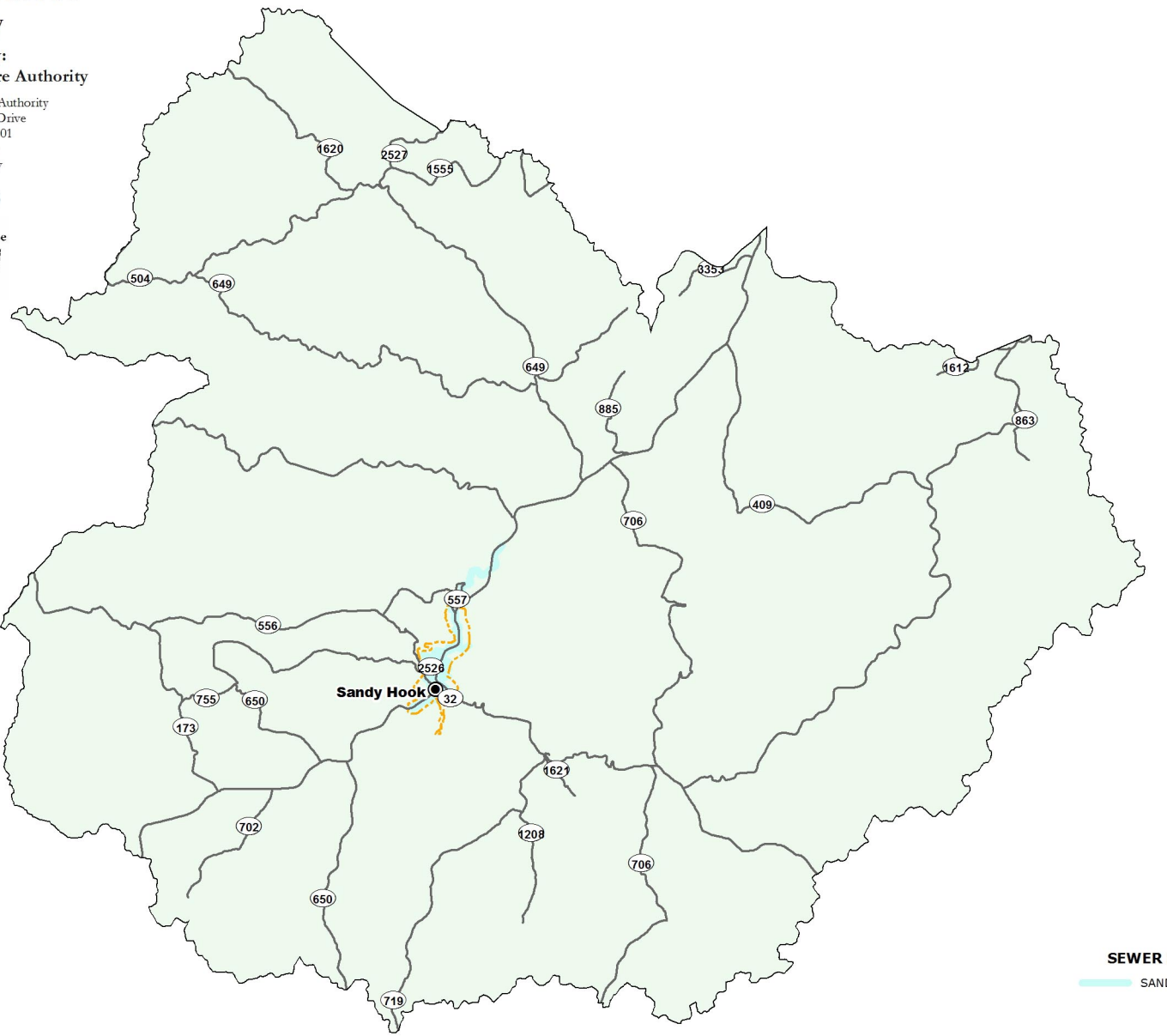
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

SANDY HOOK SEWER DEPARTMENT

System Summary for City of Sandy Hook

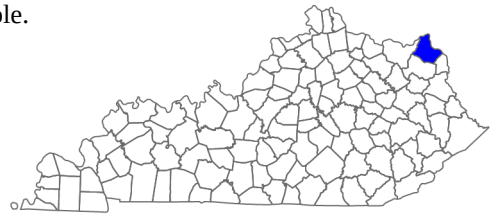
Permit ID	KY0052264	Treats Wastewater	Yes, 0.5 MGD with 0.276 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	322
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.00	Total KISOP Treated (MG)	-
Residential Customers	239	Total Treated (MG)	77.794
Commercial Customers	57	Number of Manholes	78
Institutional Customers	26	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 12.33 miles (Collection: 11.79 miles, Interceptors: 0.55 miles).			

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

There are no immediate projects for City of Sandy Hook

Greenup County

- 2010 census population of 36,910 (16,330 households) with 57% serviceable.
- Projected 2020 population of 36,923 (change of 13).
- Greenup County has 172.30 miles of existing sewer lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- 5.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $18,142,011.
- Estimated funding needs for projects from 6 to 10 years: $396,300.



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 sewer is currently available to approximately 57 percent of the county's households based on 2010 census counts. Over the next ten years approximately 646 serviceable households will be added through the construction of 18.00 miles of sewer line extensions and approximately 12,232 instances of improved service through the rehabilitation of 13.00 miles of existing sewer lines and other appurtenances. 5.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Boyd County Sanitation District #4	1	$260,000	11	-	-	-	-
City of Bellefonte	2	$315,000	-	72	-	1.00	-
City of Flatwoods	5	$2,298,000	-	3,115	-	2.00	-
City of Greenup	3	$2,420,000	-	748	-	3.00	-
City of Raceland	12	$1,187,300	116	3,247	4.00	1.00	-
City of Russell	1	$500,500	-	893	-	3.00	-
City of South Shore	3	$2,185,000	-	512	-	1.00	-
City of Worthington	6	$943,170	-	1,661	-	2.00	-
City of Wurtland	7	$2,359,841	163	13	7.00	-	-
Greenup County Environmental Commission	2	$411,000	-	980	-	-	-
Greenup County Fiscal Court	1	$523,500	-	-	-	-	2.00
Greenup Joint Sewer Agency	2	$920,000	-	991	-	-	-
Greenup Wastewater District	1	$4,215,000	356	-	7.00	-	3.00
Totals:	**46**	**$18,538,311**	**646**	**12,232**	**18.00**	**13.00**	**5.00**

Public Wastewater Systems in Greenup County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000040	Boyd & Greenup County Sanitation District #1	Greenup	3,215	1,337
KYP000039	City of Flatwoods	Greenup	7,719	3,442
KYP000091	City of Greenup	Greenup	1,129	478
KY0077194	City of Greenup - Alpine Village Subdivision	Greenup	51	20
KYP000038	City of Raceland	Greenup	2,388	1,109
KYP000037	City of Russell	Greenup	854	420
KY0026131	City of South Shore	Greenup	2,270	1,097
KY0022926	City of Worthington	Greenup	1,611	682
KYP000090	City of Wurtland	Greenup	1,153	514
KY0033553	Greenup Joint Sewer Agency	Greenup	192	80
KYP000035	Boyd County Sanitation District #2	Boyd	71	30

KY0075914	Saxony Village Apartments	Lewis	76	40
		Totals:	20,729	9,249

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
GREENUP COUNTY
Kentucky

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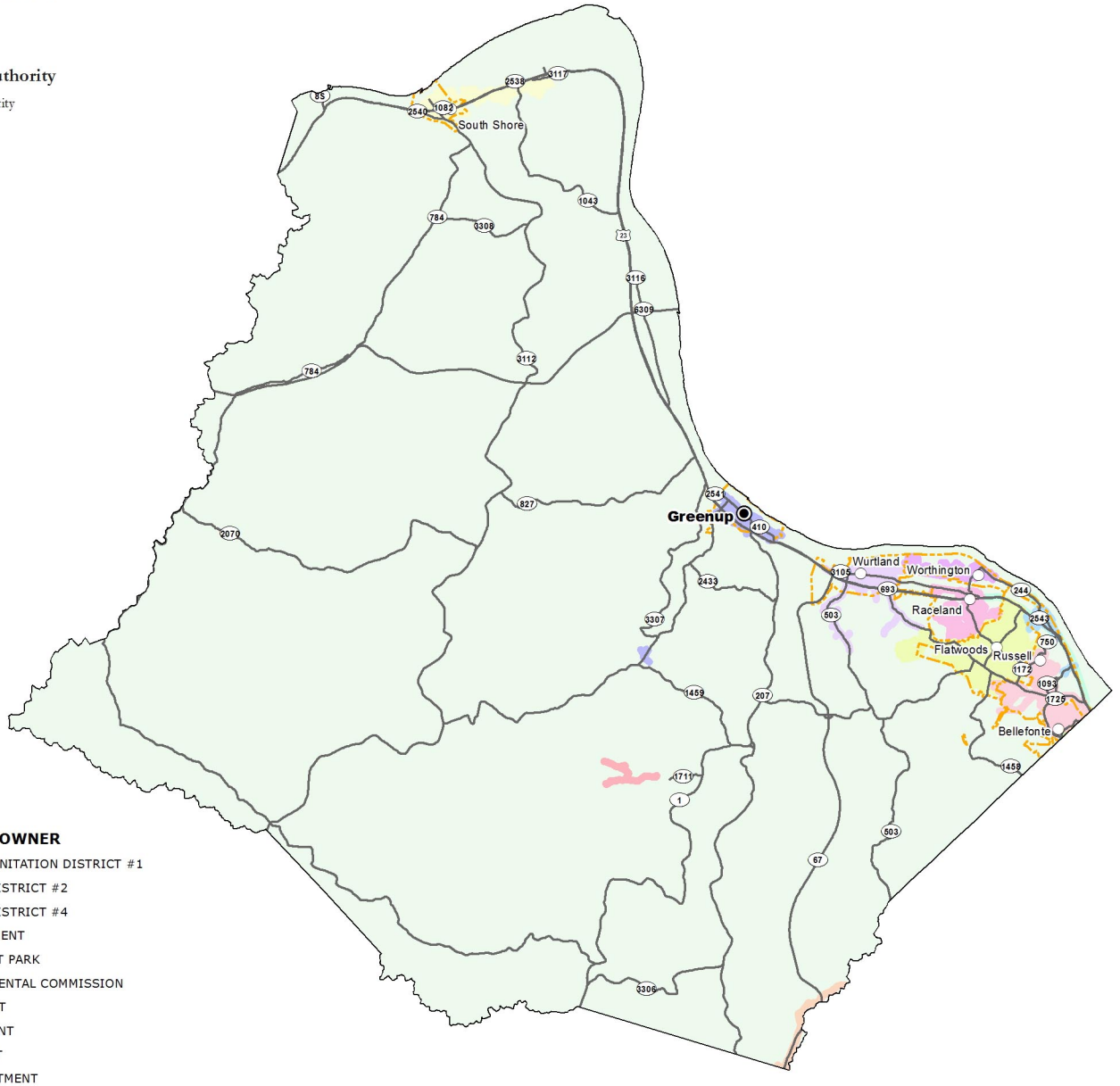

SEWER SERVICE BY OWNER

- BOYD & GREENUP COUNTY SANITATION DISTRICT #1
- BOYD COUNTY SANITATION DISTRICT #2
- BOYD COUNTY SANITATION DISTRICT #4
- FLATWOODS SEWER DEPARTMENT
- GREENBO LAKE STATE RESORT PARK
- GREENUP COUNTY ENVIRONMENTAL COMMISSION
- GREENUP SEWER DEPARTMENT
- RACELAND SEWER DEPARTMENT
- RUSSELL SEWER DEPARTMENT
- SOUTH SHORE SEWER DEPARTMENT
- WORTHINGTON SEWER DEPARTMENT
- WURTLAND SEWER DEPARTMENT

System Summary for Boyd & Greenup County Sanitation District #1

Permit ID	KYP000040	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,740
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	163.610
Cost Per 4000 Gallons	$32.00	Total KISOP Treated (MG)	-
Residential Customers	1,634	Total Treated (MG)	-
Commercial Customers	106	Number of Manholes	192
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 27.45 miles (Collection: 27.45 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Boyd & Greenup County Sanitation District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089045	Bellefonte: Buena Vista Sewer Repair	3-5 Years	Not Funded	$115,000	Greenup		

System Summary for City of Flatwoods

Permit ID	KYP000039	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	2,981
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	8	Total KISOP Sent (MG)	354.265
Cost Per 4000 Gallons	$28.62	Total KISOP Treated (MG)	-
Residential Customers	2,800	Total Treated (MG)	-
Commercial Customers	170	Number of Manholes	1010
Institutional Customers	11	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 55.17 miles (Collection: 51.50 miles, Interceptors: 3.67 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089056	City of Flatwoods I & I Study and Rehab Project	0-2 Years	Not Funded	$650,000	Greenup	2	2
SX21089083	Flatwoods: Jones Street Sewer Project	0-2 Years	Not Funded	$650,000	Greenup	22	
SX21089084	Flatwoods: Diedrich Drive Sewer Project	0-2 Years	Not Funded	$425,000	Greenup	25	
SX21089080	Flatwoods: Federal Way Sewer Line Upgrade and Replacement	0-2 Years	Not Funded	$400,000	Greenup	27	

System Summary for City of Greenup

Permit ID	KYP000091	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	482
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	68.454
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	-
Residential Customers	419	Total Treated (MG)	-
Commercial Customers	63	Number of Manholes	59
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 8.26 miles (Collection: 8.23 miles, Interceptors: 0.03 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089112	GJSA Wastewater Treatment Plant East Train Rehab Project	0-2 Years	Not Funded	$330,000	Greenup	16	
SX21089036	Greenup: Rehab Or Replacement of Collection System	3-5 Years	Not Funded	$2,000,000	Greenup	17	
SX21089102	Greenup: City Park Force Main	3-5 Years	Not Funded	$70,000	Greenup		

System Summary for City of Greenup - Alpine Village Subdivision

Permit ID	KY0077194	Treats Wastewater	Yes, 0.022 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	-
Residential Customers	47	Total Treated (MG)	9.200
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.72 miles (Collection: 0.72 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for City of Greenup - Alpine Village Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089042	Greenup: Alpine Village PTP and Outfall	3-5 Years	Not Funded	$350,000	Greenup		

System Summary for City of Raceland

Permit ID	KYP000038	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	922
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	8	Total KISOP Sent (MG)	69.442
Cost Per 4000 Gallons	$36.49	Total KISOP Treated (MG)	-
Residential Customers	922	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	299
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.51 miles (Collection: 16.40 miles, Interceptors: 0.11 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089108	Raceland: Rehab the Williams Avenue Lift Station	0-2 Years	Not Funded	$250,000	Greenup	10	4
SX21089113	GCEC: Raceland Lift Station Upgrade Project	3-5 Years	Not Funded	$321,000	Greenup	12	
SX21089093	Raceland: Update Systemwide SSES & I&I Study	3-5 Years	Not Funded	$85,000	Greenup	13	
SX21089068	Raceland: Rogers Avenue Upgrade	0-2 Years	Not Funded	$30,000	Greenup	14	
SX21089031	City of Raceland: Lynnwood Street Sewer Replacement	0-2 Years	Not Funded	$38,000	Greenup	26	
SX21089069	Raceland: Caroline Road Line Extension	3-5 Years	Not Funded	$220,000	Greenup		
SX21089019	Raceland: US 23 & Caroline Road Sewer Extension	3-5 Years	Not Funded	$215,000	Greenup		
SX21089104	Raceland: Caroline Road Sewer Extension	3-5 Years	Not Funded	$125,000	Greenup		
SX21089017	Raceland: Cherokee Road Sewer Extension	3-5 Years	Not Funded	$102,000	Greenup		
SX21089018	Raceland: Lost Canyon and Caroline Road Sewer Extension	6-10 Years	Partially Funded	$71,000	Greenup		
SX21089016	Raceland: Pond Run Interceptor Force Main	6-10 Years	Not Funded	$65,300	Greenup		

System Summary for City of Russell

Permit ID	KYP000037	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	492
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	36	Total KISOP Sent (MG)	33.300
Cost Per 4000 Gallons	$23.75	Total KISOP Treated (MG)	-
Residential Customers	450	Total Treated (MG)	-
Commercial Customers	42	Number of Manholes	65
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.07 miles (Collection: 6.02 miles, Interceptors: 0.05 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089110	City of Russell I & I Study and Sewer Rehab Project	0-2 Years	Not Funded	$500,500	Greenup	4	3

System Summary for City of South Shore

Permit ID	KY0026131	Treats Wastewater	Yes, 0.39 MGD with 0.211 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	771
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$46.00	Total KISOP Treated (MG)	-
Residential Customers	676	Total Treated (MG)	72.623
Commercial Customers	93	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	2	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 18.68 miles (Collection: 18.40 miles, Interceptors: 0.28 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089095	South Shore: Upgrade McKell Lift Station	0-2 Years	Not Funded	$425,000	Greenup	8	
SX21089096	South Shore: Upgrade Forest Heights Collection Lines	3-5 Years	Not Funded	$1,035,000	Greenup	9	
SX21089100	South Shore: Phase III Sewer Line Rehab	3-5 Years	Not Funded	$725,000	Greenup		
SX21089086	GCFC: McKell Library Sewer	0-2 Years	Not Funded	$25,000	Greenup		

System Summary for City of Worthington

Permit ID	KY0022926	Treats Wastewater	Yes, 0.2 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	627
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.70	Total KISOP Treated (MG)	-
Residential Customers	619	Total Treated (MG)	33.215
Commercial Customers	2	Number of Manholes	82
Institutional Customers	6	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 10.32 miles (Collection: 9.79 miles, Interceptors: 0.53 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089005	Worthington: Rehab Project to Replace Clay Pipe	0-2 Years	Not Funded	$300,000	Greenup	23	
SX21089063	Worthington: CSO Phase 4 Project	3-5 Years	Not Funded	$270,270	Greenup		
SX21089064	Worthington: CSO Phase 5 Project	3-5 Years	Not Funded	$185,900	Greenup		
SX21089003	Worthington Dry Beds Rehab Project	0-2 Years	Not Funded	$80,000	Greenup		
SX21089043	Worthington: Calumet Causeway Sewer Project	3-5 Years	Not Funded	$55,000	Greenup		

System Summary for City of Wurtland

Permit ID	KYP000090	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	510
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	49.260
Cost Per 4000 Gallons	$46.46	Total KISOP Treated (MG)	-
Residential Customers	431	Total Treated (MG)	-
Commercial Customers	25	Number of Manholes	135
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	2	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 13.45 miles (Collection: 12.65 miles, Interceptors: 0.80 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089112	GJSA Wastewater Treatment Plant East Train Rehab Project	0-2 Years	Not Funded	$330,000	Greenup	16	
SX21089120	Jefferson Street & Caroline Avenue maintenance	0-2 Years	Partially Funded	$2,841	Greenup		

System Summary for Greenup County Environmental Commission

Permit ID	KY0048348	Treats Wastewater	Yes, 3.5 MGD with 1.99 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$13.80	Total KISOP Treated (MG)	689.211
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	6	Number of Manholes	21
Institutional Customers	1	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	45%
KISOP Customers	5	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 6.13 miles (Collection: 0.07 miles, Interceptors: 6.06 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Greenup County Environmental Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089113	GCEC: Raceland Lift Station Upgrade Project	3-5 Years	Not Funded	$321,000	Greenup	12	
SX21089105	GCEC: Weather Protection Project	3-5 Years	Not Funded	$90,000	Greenup		

System Summary for Greenup Joint Sewer Agency

Permit ID	KY0033553	Treats Wastewater	Yes, 1.1 MGD with 0.59 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	117.714
Residential Customers	-	Total Treated (MG)	2.062
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	2	Has Facility Plan	No
Total Collection System Line Length = 4.32 miles (Collection: 4.00 miles, Interceptors: 0.32 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Greenup Joint Sewer Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089111	Phase 2 Sewer Line Extension Project (Lloyd)	0-2 Years	Not Funded	$4,215,000	Greenup	6	1
SX21089112	GJSA Wastewater Treatment Plant East Train Rehab Project	0-2 Years	Not Funded	$330,000	Greenup	16	
SX21089094	Wurtland: Industrial Parkway Sewer Service	0-2 Years	Not Funded	$100,000	Greenup	20	
SX21089106	GCFC: Force Main Project from Progressive Railroad to Wurtland	0-2 Years	Not Funded	$523,500	Greenup	21	
SX21089060	Wurtland: Uhlen Branch Sewer Line Extension	0-2 Years	Not Funded	$1,000,000	Greenup		
SX21089028	Wurtland: Conley Subdivision Sewer Project	0-2 Years	Not Funded	$650,000	Greenup		
SX21089025	Wurtland: East Park Site C	3-5 Years	Not Funded	$630,000	Greenup		
SX21089088	Wurtland: Replace Blower Piping and Provide Enclosure	3-5 Years	Not Funded	$590,000	Greenup		
SX21089090	Wurtland: Riverside Drive Line Extension	3-5 Years	Not Funded	$50,000	Greenup		

System Summary for Greenup Wastewater District

Permit ID	KYPENDING0021	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Greenup Wastewater District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089111	Phase 2 Sewer Line Extension Project (Lloyd)	0-2 Years	Not Funded	$4,215,000	Greenup	6	1

Lawrence County

- 2010 census population of 15,860 (7,286 households) with 27% serviceable.
- Projected 2020 population of 16,192 (change of 332).
- Lawrence County has 42.44 miles of existing sewer lines.
- 10.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $25,000,000.
- Estimated funding needs for projects from 6 to 10 years: $5,733,260.

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 sewer is currently available to approximately 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 425 serviceable households will be added through the construction of 10.00 miles of sewer line extensions and approximately 3,827 instances of improved service through the rehabilitation of 2.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Louisa	4	$30,733,260	425	3,827	10.00	2.00	-
Totals:	**4**	**$30,733,260**	**425**	**3,827**	**10.00**	**2.00**	**-**

Public Wastewater Systems in Lawrence County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0027961	City of Louisa	Lawrence	3,433	1,588
KYP000061	Lawrence County Fiscal Court	Lawrence	822	353
		Totals:	4,255	1,941

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LAWRENCE COUNTY
Kentucky

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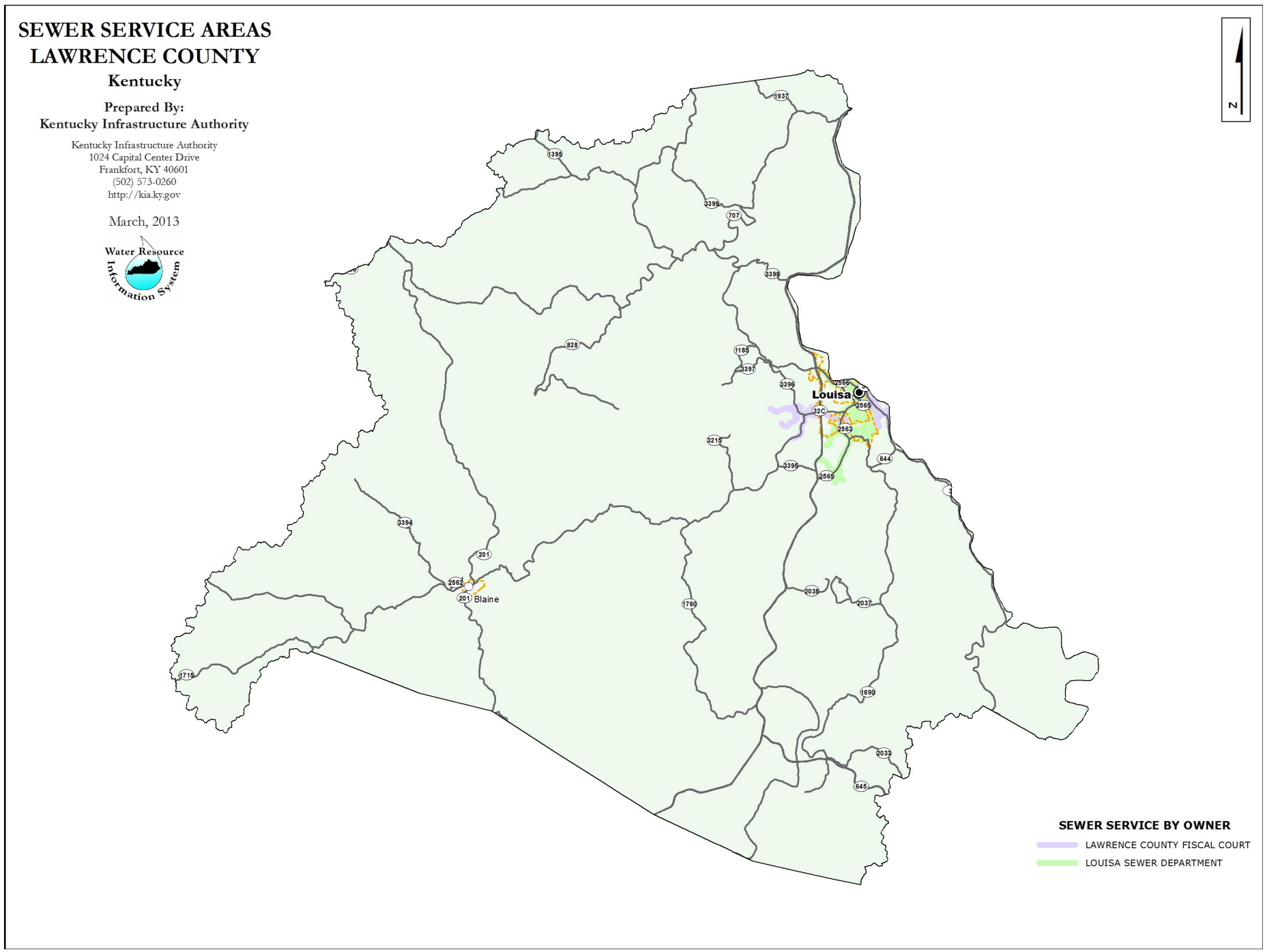
March, 2013



System Summary for City of Louisa

Permit ID	KY0027961	Treats Wastewater	Yes, 0.75 MGD with 0.41 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,836
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$38.68	Total KISOP Treated (MG)	21.691
Residential Customers	1,557	Total Treated (MG)	214.775
Commercial Customers	279	Number of Manholes	150
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	1	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 30.61 miles (Collection: 27.68 miles, Interceptors: 2.93 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21127029	Louisa: Wastewater Treatment Plant	3-5 Years	Not Funded	$21,000,000	Lawrence	5	1
SX21127030	City of Louisa I & I Rehab Project	3-5 Years	Partially Funded	$4,000,000	Lawrence		
SX21127006	Louisa: Fallsburg Phase 3 Fuller Ridge Sanitary Sewer Main Line	6-10 Years	Not Funded	$3,798,260	Lawrence		
SX21127028	Louisa: Fallsburg Phase 2	6-10 Years	Not Funded	$1,935,000	Lawrence		
SX21127027	Louisa: Fallsburg Phase 1 Extension to The Top of Five Forks	6-10 Years	Not Funded	$1,900,000	Lawrence		

System Summary for Lawrence County Fiscal Court

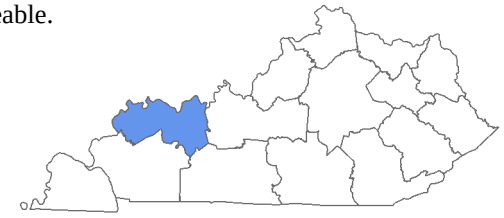
Permit ID	KYP000061	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	321
Owner Type	County Fiscal Court	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	21.691
Cost Per 4000 Gallons	$41.88	Total KISOP Treated (MG)	-
Residential Customers	321	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	12
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 11.41 miles (Collection: 11.35 miles, Interceptors: 0.06 miles).			

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

There are no immediate projects for Lawrence County Fiscal Court

Green River Area Development District (GRADD)

- 2010 census population of 213,472 (92,066 households) with 64% serviceable.
- Projected 2020 population of 220,544 (change of 7,072).
- 1,022.75 miles of existing sewer lines.
- 39.00 miles of line extensions proposed in the next 10 years.
- 55.00 miles of line rehabilitation proposed in the next 10 years.
- 8.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $88,445,859.
- Estimated funding needs for projects from 6 to 10 years: $14,546,000.
- Average age of wastewater treatment plants is 41 years.
- Total number of interconnected systems is 7.
- 138 miles of sewer lines less than 15 years old.
- 229 miles of sewer lines between 15 and 30 years old.
- 270 miles of sewer lines between 31 and 50 years old.
- 168 miles of sewer lines between 51 and 70 years old.
- 220 miles of sewer lines greater than 70 years old.



Green River Area Development District has a 2010 census population count of 213,472 (92,066 households) with a projected 2020 population count of 220,544 (89,593 households). Public sewer is currently available to approximately 64 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,693 serviceable households will be added through the construction of 39.00 miles of sewer line extensions and approximately 42,049 instances of improved service through the rehabilitation of 55.00 miles of existing sewer lines and other appurtenances. 8.00 miles of interceptor lines are also proposed within this district.

County Summary for Green River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Daviess	96,656	41,452	102,214	41,878	32,378	78%	$ 27,235,279
Hancock	8,565	3,734	8,843	3,502	1,420	38%	$ 1,419,000
Henderson	46,250	20,320	47,600	19,851	13,885	68%	$ 10,370,085
McLean	9,531	4,264	9,271	3,821	1,832	43%	$ 12,671,152
Ohio	23,842	10,219	24,781	9,786	3,221	32%	$ 4,556,570
Union	15,007	6,141	14,436	5,463	3,682	60%	$ 39,413,083
Webster	13,621	5,936	13,399	5,292	2,802	47%	$ 7,326,690
Totals	**213,472**	**92,066**	**220,544**	**89,593**	**59,220**	**64%**	**$ 102,991,859**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

GRADD

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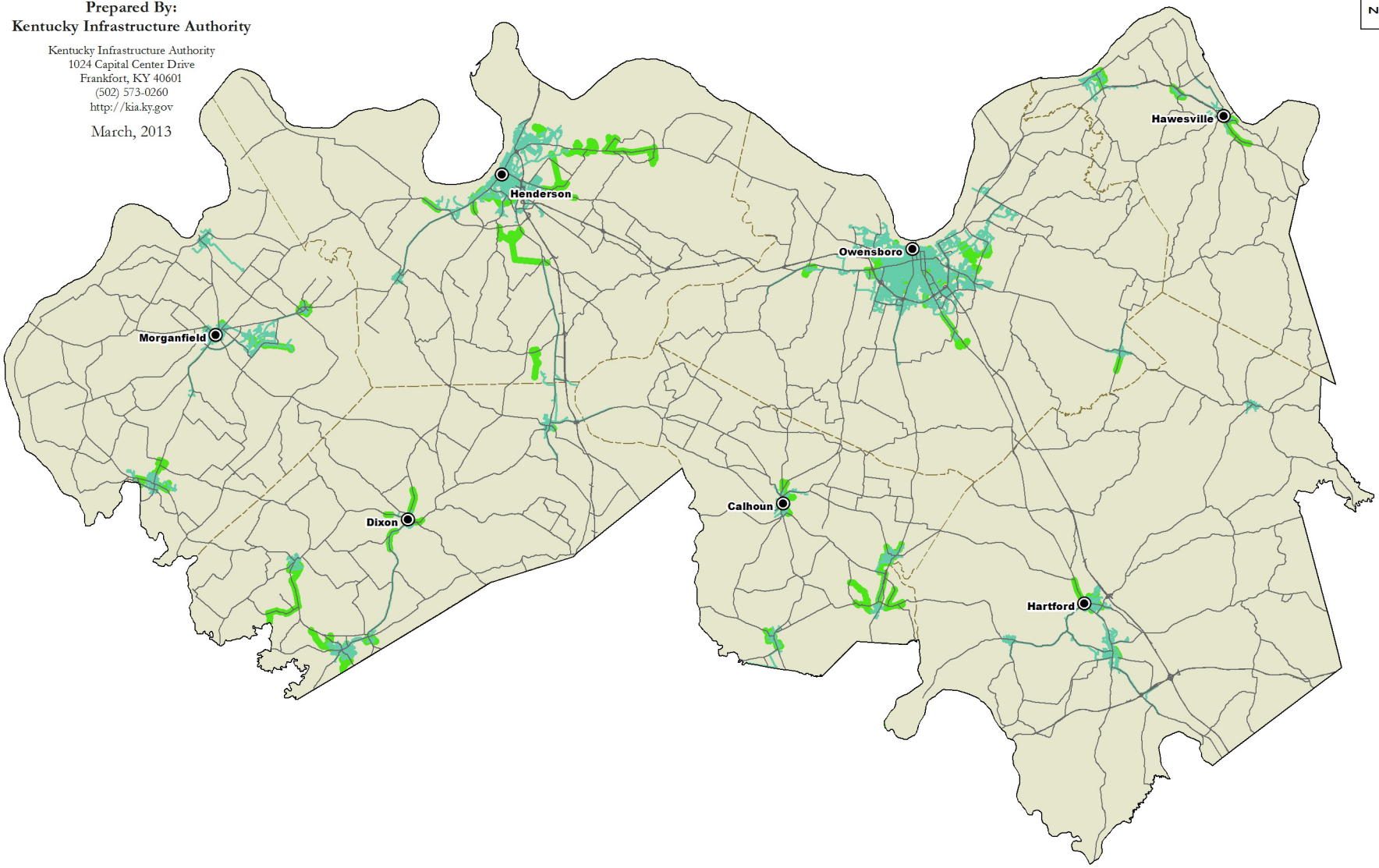


SEWER LINES
- Proposed Sewer Lines
- Existing Sewer Lines

Water Resource Information System

Public Sewer Systems in the Green River Area Development District

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

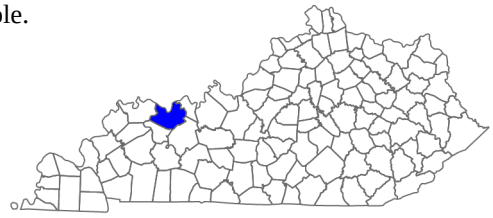
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0031895	Cedar Hills Sanitation Corporation	Daviess	373	129
KY0025224	Friendly Park Development Company	Daviess	146	57
KY0073377	Regional Water Resource Agency - East	Daviess	31,643	13,293
KY0020095	Regional Water Resource Agency - West	Daviess	40,774	18,585
KY0054941	Whitesville Water Works	Daviess	711	314
KY0020087	Hawesville Water Works	Hancock	1,266	562
KY0025241	Lewisport Municipal Water Works	Hancock	1,840	858
KYP000042	Corydon Wastewater Collection	Henderson	755	306
KY0020711	Henderson Water Utility - North	Henderson	29,780	13,578
KY0020125	Calhoun Water Works	McLean	1,176	561
KY0066605	Island Water Department	McLean	508	227
KY0020613	Livermore Water Works	McLean	1,453	689
KY0091731	Sacramento Water Works	McLean	760	355
KYP000076	Beaver Dam Municipal Water/Sewer	Ohio	3,893	1,636
KYP000078	Centertown Water System	Ohio	530	216
KY0054801	Fordsville Water District	Ohio	554	242
KYP000077	Hartford Municipal Water Works	Ohio	2,551	1,127
KY0021440	Morganfield Water Works	Union	5,754	2,002
KY0025895	Sturgis Water Works	Union	2,088	1,025
KY0025844	Uniontown Water/Sewer Department	Union	1,086	496
KYP000060	Waverly Wastewater Collection	Union	348	159
KY0028096	Clay Water Works	Webster	1,181	514
KY0021296	Providence Water Works	Webster	2,881	1,451
KYP000054	Sebree Collection System	Webster	1,471	556
KYP000055	Webster County Sanitation District	Webster	835	281
		Totals:	134,357	59,219

Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21101038	Finely Addition Sewer Extension	0-2 Years	Partially Funded	$2,140,000	Henderson	1	1
SX21059050	Hawes Treatment Plant and Ragu Pump Station Upgrades	0-2 Years	Fully Funded	$5,619,274	Daviess	2	1
SX21059054	Cedar Hills Subdivision Sewer Extension Project	0-2 Years	Not Funded	$2,047,000	Daviess	3	2
SX21233026	Providence Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	$1,959,000	Webster	4	1
SX21149023	Sacramento Gravity Sewer Project, Phase II	0-2 Years	Not Funded	$940,000	McLean	5	1
SX21183016	Centertown Liftstation Rebuild Project	0-2 Years	Not Funded	$150,000	Ohio	6	1
SX21233025	Providence Sanitary Sewer Upgrades	0-2 Years	Not Funded	$1,693,750	Webster	7	2
SX21233027	Sebree Sanitary Sewer Replacement	0-2 Years	Not Funded	$1,178,940	Webster	8	3
SX21233020	Sebree I&I Sewer Rehab Project	3-5 Years	Not Funded	$1,215,000	Webster	9	4
SX21183015	Fordsville Wastewater System Improvement/Rehabilitation Project	0-2 Years	Not Funded	$753,450	Ohio	10	2
SX21101015	Happy Acres Sewer Service Extension	11-20 Years	Not Funded	$2,000,000	Henderson	11	2
SX21101014	Holloway Hills Sewer Extension	6-10 Years	Not Funded	$600,000	Henderson	13	4
SX21101016	Grantwood Sewer Service Extension	6-10 Years	Not Funded	$1,000,000	Henderson	14	5
SX21225012	Sturgis Wastewater Treatment Plant Upgrade	6-10 Years	Partially Funded	$2,710,000	Union	15	1
SX21149031	Calhoun Wastewater Plant Replacement Project	0-2 Years	Not Funded	$2,480,000	McLean	16	2
SX21183012	Valley View Sewer Line Replacement	3-5 Years	Not Funded	$321,120	Ohio	17	3
SX21149028	Sacramento Phase III Gravity Sewer Project	6-10 Years	Not Funded	$375,000	McLean	18	3
SX21149029	Sacramento Phase IV Gravity Sewer Project	11-20 Years	Not Funded	$1,147,500	McLean	19	4
SX21183002	North 231 Sewer Extension Project	0-2 Years	Not Funded	$700,000	Ohio	20	4
SX21149002	Livermore Sewer Line Extensions	6-10 Years	Not Funded	$1,500,000	McLean	21	5
SX21233001	Webster County Sanitation Expansion Project	11-20 Years	Not Funded	$4,615,000	Webster	22	5
SX21225030	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	$2,153,883	Union	23	2
SX21225006	Camp Breckenridge Sewer Rehab	0-2 Years	Not Funded	$3,552,800	Union	24	3
SX21225015	Uniontown Lift Station Rebuilds	6-10 Years	Not Funded	$1,000,000	Union	25	4
SX21091014	Hawesville Lift Station Rehabilitation	3-5 Years	Not Funded	$100,000	Hancock	26	1
SX21091013	Highway 60 East Economic Development	3-5 Years	Not Funded	$500,000	Hancock	27	2
SX21059043	Whitesville Sewer Rehabilitation Project	3-5 Years	Not Funded	$58,000	Daviess	28	3
SX21225025	Winn Addition Sewer Expansion	0-2 Years	Not Funded	$3,424,400	Union	29	5
SX21183007	Centertown Sewer Clean Out Machine Purchase Project	0-2 Years	Not Funded	$50,000	Ohio	30	5
SX21091017	Lewisport Manhole Inspection and Relining Project	3-5 Years	Not Funded	$135,000	Hancock	31	3
SX21091016	Lift station Elimination Project	6-10 Years	Not Funded	$164,000	Hancock	32	4
SX21091009	Lewisport Slip Lining	6-10 Years	Not Funded	$445,000	Hancock	33	5
			Total Cost:	**$46,728,117**			

Daviess County

- 2010 census population of 96,656 (41,452 households) with 78% serviceable.
- Projected 2020 population of 102,214 (change of 5,558).
- Daviess County has 466.14 miles of existing sewer lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $27,235,279.
- There are no projects planned from 6 to 10 years.



Daviess County has a 2010 census population count of 96,656 (41,452 households) with a projected 2020 population count of 102,214 (41,878 households). Public sewer is currently available to approximately 78 percent of the county's households based on 2010 census counts. Over the next ten years approximately 250 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 19,536 instances of improved service through the rehabilitation of 12.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Owensboro	1	$4,372,500	-	500	-	-	-
City of Whitesville	1	$58,000	-	275	-	-	-
Regional Water Resource Agency	8	$22,804,779	250	18,761	6.00	12.00	1.00
Totals:	**10**	**$27,235,279**	**250**	**19,536**	**6.00**	**12.00**	**1.00**

Public Wastewater Systems in Daviess County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0031895	Cedar Hills Sanitation Corporation	Daviess	373	129
KY0025224	Friendly Park Development Company	Daviess	146	57
KY0073377	Regional Water Resource Agency - East	Daviess	31,643	13,293
KY0020095	Regional Water Resource Agency - West	Daviess	40,774	18,585
KY0054941	Whitesville Water Works	Daviess	711	314
		Totals:	73,647	32,378

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
DAVIESS COUNTY
Kentucky

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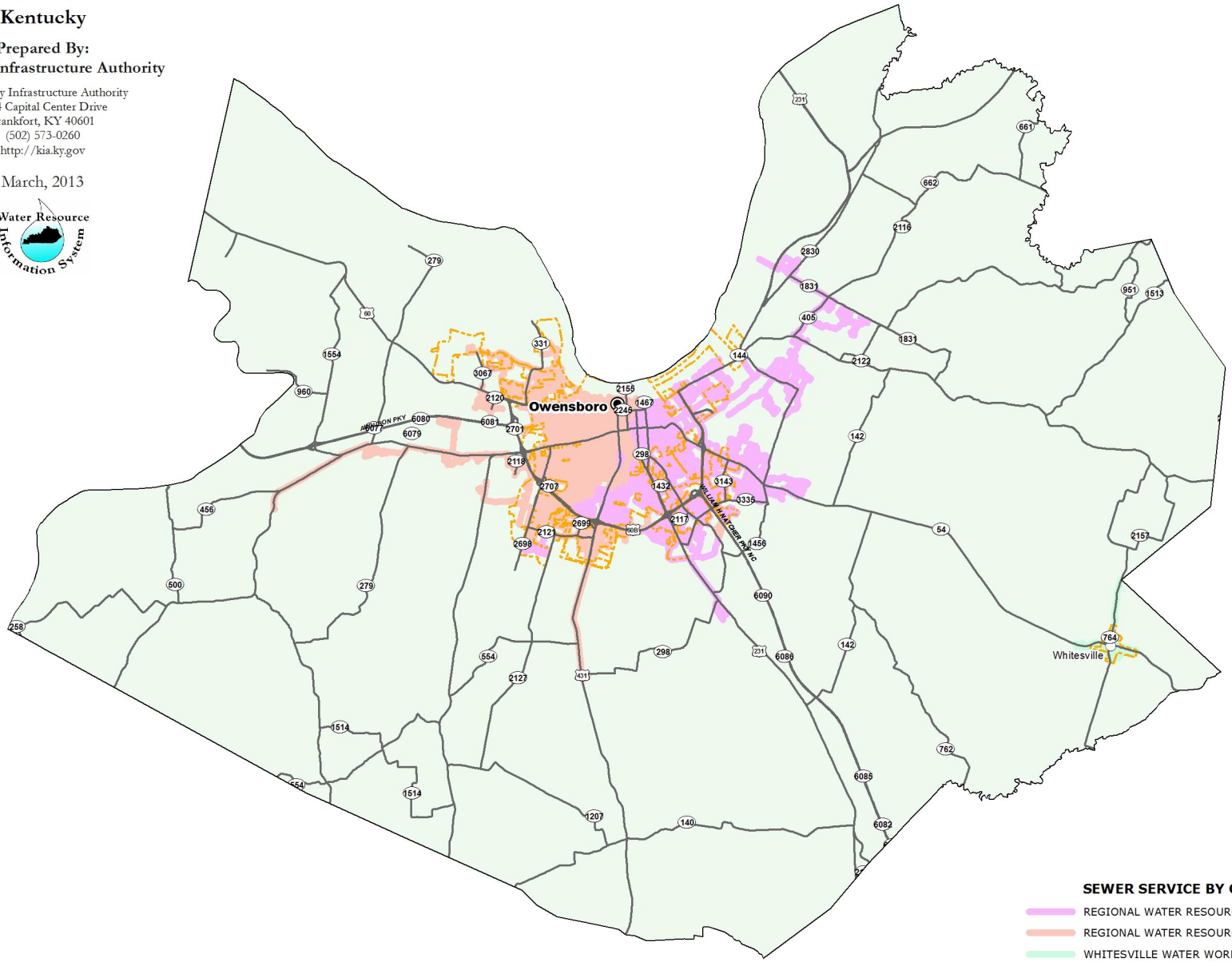
March, 2013



System Summary for Browns Valley MHP

Permit ID	KY0043371	Treats Wastewater	Yes, 0.005 MGD with 0.005 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Browns Valley MHP

System Summary for Cedar Hills Sanitation Corporation

Permit ID	KY0031895	Treats Wastewater	Yes, 0.047 MGD with 0.02 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.19 miles (Collection: 2.14 miles, Interceptors: 0.05 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Cedar Hills Sanitation Corporation

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21059054	Cedar Hills Subdivision Sewer Extension Project	0-2 Years	Not Funded	$2,047,000	Daviess	3	2

System Summary for Friendly Park Development Company

Permit ID	KY0025224	Treats Wastewater	Yes, 0.032 MGD with 0.018 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.75 miles (Collection: 0.64 miles, Interceptors: 0.11 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Friendly Park Development Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21079019	Lancaster Sanitary Sewer Improvements Project	0-2 Years	Not Funded	$5,564,800	Garrard	10	3
SX21059051	Friendly Park Village Treatment Project	0-2 Years	Not Funded	$958,930	Daviess		

System Summary for Regional Water Resource Agency - East

Permit ID	KY0073377	Treats Wastewater	Yes, 6.8 MGD with 4.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	36,200
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.46	Total KISOP Treated (MG)	-
Residential Customers	27,718	Total Treated (MG)	2,963.810
Commercial Customers	2,881	Number of Manholes	8306
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	100	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 200.77 miles (Collection: 186.65 miles, Interceptors: 14.12 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Regional Water Resource Agency - East

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21059054	Cedar Hills Subdivision Sewer Extension Project	0-2 Years	Not Funded	$2,047,000	Daviess	3	2
SX21059031	Sunrise Drive Sewer Extension	0-2 Years	Partially Funded	$1,655,565	Daviess		

System Summary for Regional Water Resource Agency - West

Permit ID	KY0020095	Treats Wastewater	Yes, 15 MGD with 9.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	36,200
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.46	Total KISOP Treated (MG)	-
Residential Customers	33,400	Total Treated (MG)	2,963.810
Commercial Customers	2,700	Number of Manholes	8306
Institutional Customers	-	Number of Lift Stations	27
Industrial Customers	100	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 249.73 miles (Collection: 208.34 miles, Interceptors: 41.39 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Regional Water Resource Agency - West

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21059046	Airport/Bittel Road Area Subdivisions	0-2 Years	Not Funded	$572,500	Daviess		4
SX21059033	Southwest Master Pump Station And Force Main Project	0-2 Years	Partially Funded	$8,159,206	Daviess		
SX21059027	Ravines Sewer Upgrade	0-2 Years	Partially Funded	$4,595,262	Daviess		
SX21059047	Sherm Ditch- Phase IV	0-2 Years	Partially Funded	$4,372,500	Daviess		
SX21059056	RWRA Tunnel Lings & Repair Project	0-2 Years	Not Funded	$3,800,000	Daviess		
SX21059055	Max Rhoads WWTP Sludge Process Improvements	0-2 Years	Not Funded	$1,450,246	Daviess		
SX21059051	Friendly Park Village Treatment Project	0-2 Years	Not Funded	$958,930	Daviess		
SX21059044	Parkview Drive Area Basin/Chamber	0-2 Years	Partially Funded	$525,000	Daviess		

System Summary for Trail A Way MHP

Permit ID	KY0026271	Treats Wastewater	Yes, 0.01 MGD with 0.0037 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Trail A Way MHP

System Summary for Whitesville Water Works

Permit ID	KY0054941	Treats Wastewater	Yes, 0.1 MGD with 0.055 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	310
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.90	Total KISOP Treated (MG)	-
Residential Customers	290	Total Treated (MG)	18.256
Commercial Customers	20	Number of Manholes	177
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 10.86 miles (Collection: 9.26 miles, Interceptors: 1.60 miles).			

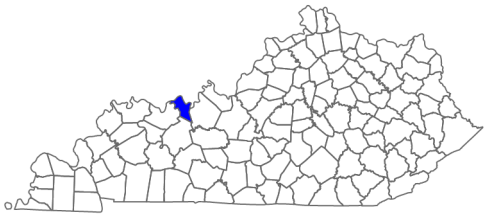
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21059043	Whitesville Sewer Rehabilitation Project	3-5 Years	Not Funded	$58,000	Daviess	28	3

Hancock County

- 2010 census population of 8,565 (3,734 households) with 38% serviceable.
- Projected 2020 population of 8,843 (change of 278).
- Hancock County has 37.10 miles of existing sewer lines.
- 2.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $735,000.
- Estimated funding needs for projects from 6 to 10 years: $684,000.



Hancock County has a 2010 census population count of 8,565 (3,734 households) with a projected 2020 population count of 8,843 (3,502 households). Public sewer is currently available to approximately 38 percent of the county's households based on 2010 census counts. Over the next ten years approximately 39 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 4,049 instances of improved service through the rehabilitation of 5.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Hawesville	2	$175,000	-	2,750	-	-	-
City of Lewisport	3	$744,000	-	1,294	-	5.00	-
Hancock County Fiscal Court	1	$500,000	39	5	2.00	-	-
Totals:	**6**	**$1,419,000**	**39**	**4,049**	**2.00**	**5.00**	**-**

Public Wastewater Systems in Hancock County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020087	Hawesville Water Works	Hancock	1,266	562
KY0025241	Lewisport Municipal Water Works	Hancock	1,840	858
		Totals:	3,106	1,420

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HANCOCK COUNTY
Kentucky

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Kentucky Infrastructure Authority

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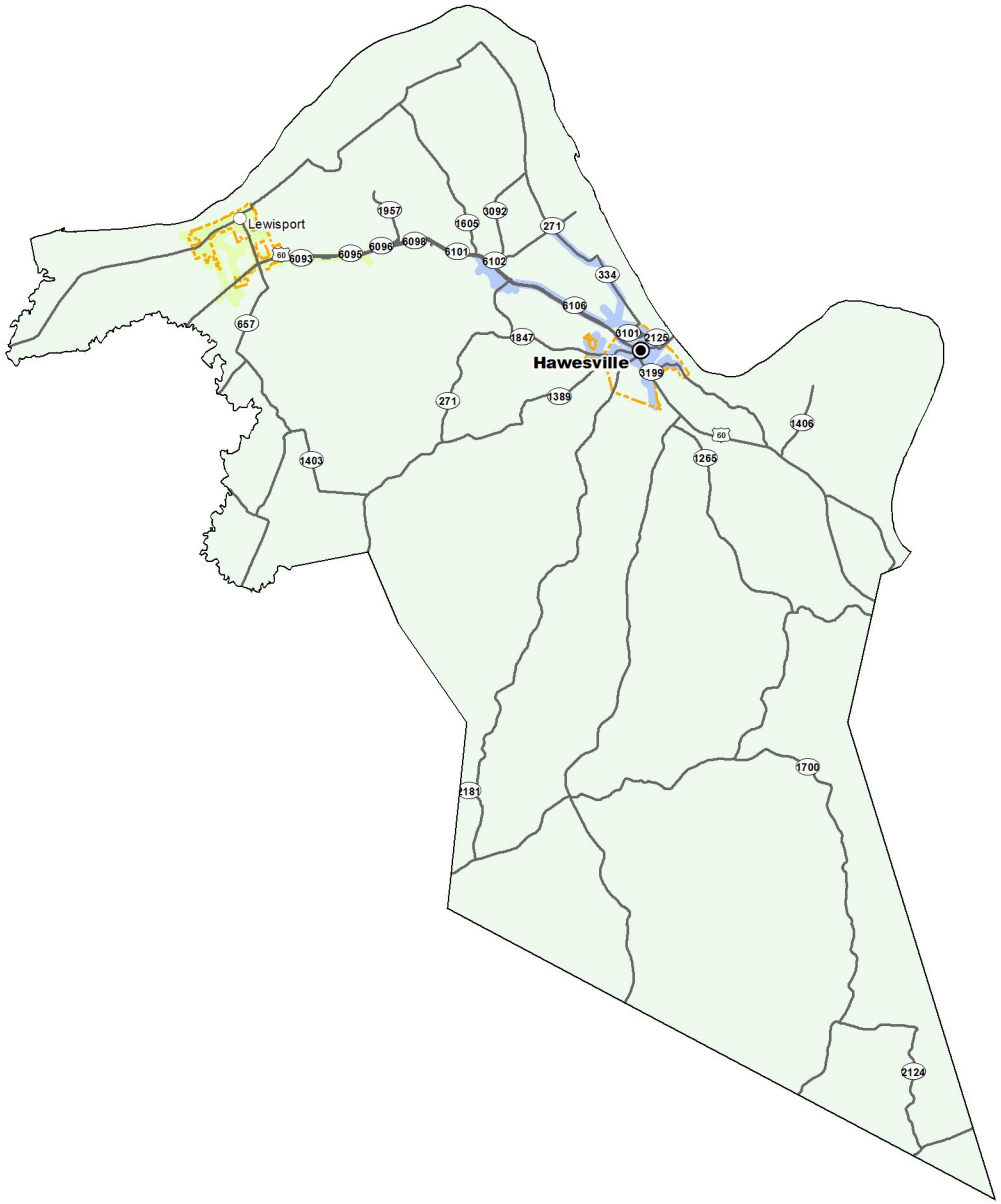


System Summary for Hawesville Water Works

Permit ID	KY0020087	Treats Wastewater	Yes, 0.25 MGD with 0.112 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	454
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.10	Total KISOP Treated (MG)	-
Residential Customers	378	Total Treated (MG)	27.375
Commercial Customers	65	Number of Manholes	161
Institutional Customers	8	Number of Lift Stations	10
Industrial Customers	3	Percent Lines 20 yrs or Older	98%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 18.60 miles (Collection: 16.14 miles, Interceptors: 2.46 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21091014	Hawesville Lift Station Rehabilitation	3-5 Years	Not Funded	$100,000	Hancock	26	1
SX21091013	Highway 60 East Economic Development	3-5 Years	Not Funded	$500,000	Hancock	27	2
SX21091012	Hawesville Generator Project	6-10 Years	Not Funded	$75,000	Hancock		6
SX21141033	Russellville Historical District Reconditioning	0-2 Years	Not Funded	$6,315,000	Logan		
SX21141032	Russellville Reedville Project	0-2 Years	Not Funded	$460,000	Logan		

System Summary for Jackson MHP

Permit ID	KY0023981	Treats Wastewater	Yes, 0.0025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Jackson MHP

System Summary for Lewisport Municipal Water Works

Permit ID	KY0025241	Treats Wastewater	Yes, 0.4 MGD with 0.13 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	702
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.03	Total KISOP Treated (MG)	-
Residential Customers	622	Total Treated (MG)	50.370
Commercial Customers	79	Number of Manholes	216
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	1	Percent Lines 20 yrs or Older	25%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 18.32 miles (Collection: 18.32 miles, Interceptors: 0.00 miles).			

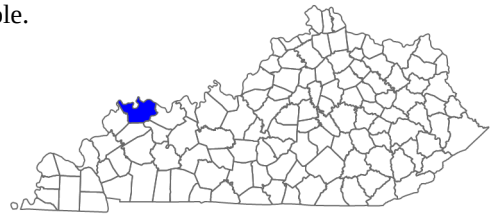
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21091017	Lewisport Manhole Inspection and Relining Project	3-5 Years	Not Funded	$135,000	Hancock	31	3
SX21091016	Lift station Elimination Project	6-10 Years	Not Funded	$164,000	Hancock	32	4
SX21091009	Lewisport Slip Lining	6-10 Years	Not Funded	$445,000	Hancock	33	5

Henderson County

- 2010 census population of 46,250 (20,320 households) with 68% serviceable.
- Projected 2020 population of 47,600 (change of 1,350).
- Henderson County has 203.01 miles of existing sewer lines.
- 15.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,570,085.
- Estimated funding needs for projects from 6 to 10 years: $2,800,000.



Henderson County has a 2010 census population count of 46,250 (20,320 households) with a projected 2020 population count of 47,600 (19,851 households). Public sewer is currently available to approximately 68 percent of the county's households based on 2010 census counts. Over the next ten years approximately 651 serviceable households will be added through the construction of 15.00 miles of sewer line extensions and approximately 2,571 instances of improved service through system wide upgrades. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Corydon	2	$730,000	-	571	-	-	-
Henderson County Fiscal Court	2	$2,390,085	241	-	2.00	-	1.00
Henderson Water Utility	6	$7,250,000	410	2,000	13.00	-	2.00
Totals:	**10**	**$10,370,085**	**651**	**2,571**	**15.00**	**-**	**3.00**

Public Wastewater Systems in Henderson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000042	Corydon Wastewater Collection	Henderson	755	306
KY0020711	Henderson Water Utility - North	Henderson	29,780	13,578
		Totals:	30,535	13,884

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HENDERSON COUNTY
Kentucky

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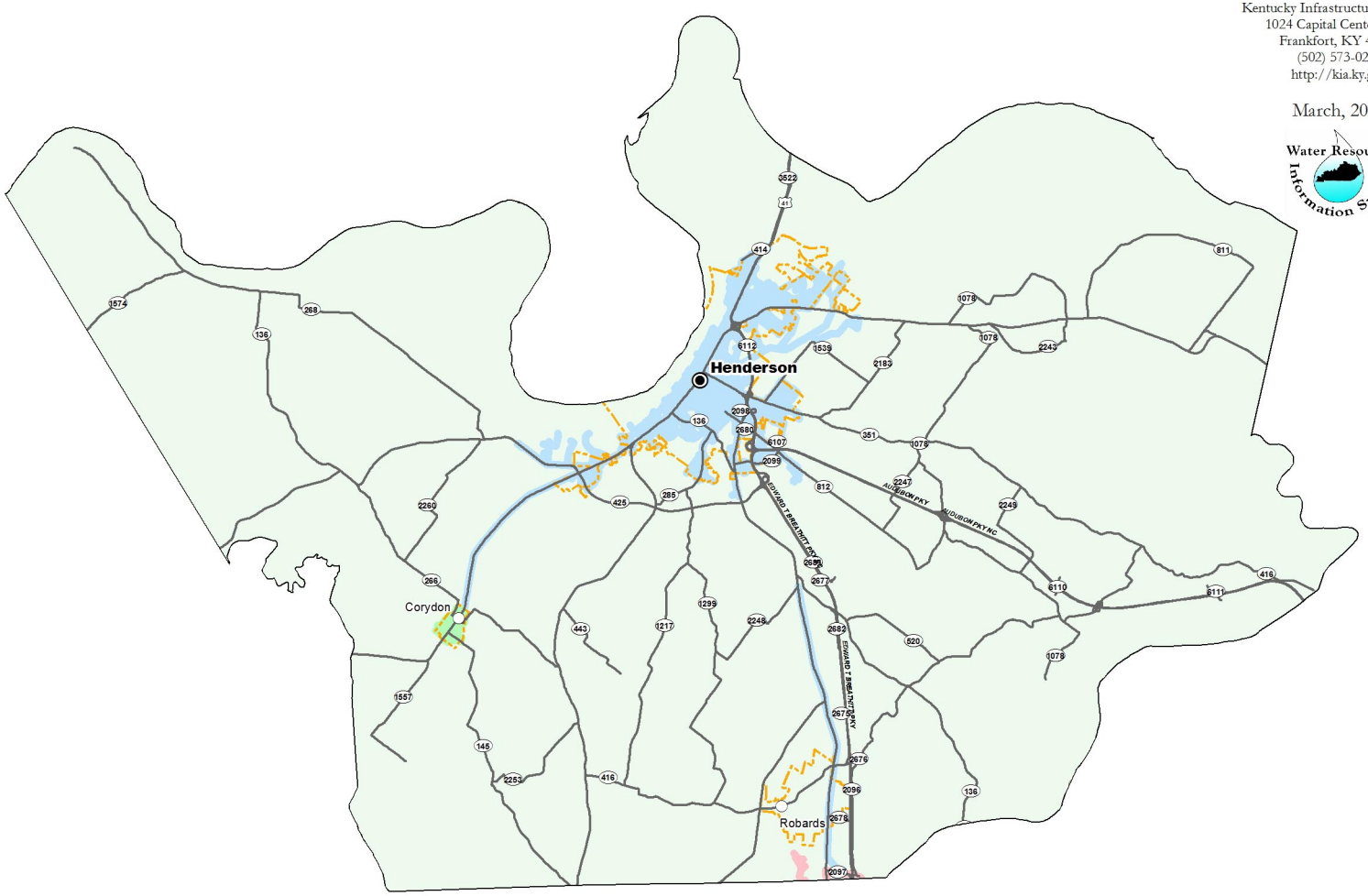
March, 2013



SEWER SERVICE BY OWNER

- CORYDON WASTEWATER COLLECTION
- HENDERSON WATER UTILITIES - SOUTH
- HENDERSON WATER UTILITY - NORTH

System Summary for Corydon Wastewater Collection

Permit ID	KYP000042	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	280
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	13.245
Cost Per 4000 Gallons	$44.04	Total KISOP Treated (MG)	-
Residential Customers	275	Total Treated (MG)	-
Commercial Customers	7	Number of Manholes	94
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 13.25 miles (Collection: 7.81 miles, Interceptors: 5.44 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Corydon Wastewater Collection

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21101041	Corydon Flow Meter Project	3-5 Years	Not Funded	$30,000	Henderson		9
SX21101035	Corydon Sewer System Refinancing	3-5 Years	Not Funded	$700,000	Henderson		10

System Summary for Henderson Water Utilities - South

Permit ID	KY0100293	Treats Wastewater	Yes, 8 MGD with 2.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	85	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.27	Total KISOP Treated (MG)	36.500
Residential Customers	-	Total Treated (MG)	1,234.700
Commercial Customers	-	Number of Manholes	2700
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	3	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 11.08 miles (Collection: 1.71 miles, Interceptors: 9.37 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Henderson Water Utilities - South

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21101038	Finely Addition Sewer Extension	0-2 Years	Partially Funded	$2,140,000	Henderson	1	1

System Summary for Henderson Water Utility - North

Permit ID	KY0020711	Treats Wastewater	Yes, 15 MGD with 7 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	10,743
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	85	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.27	Total KISOP Treated (MG)	13.245
Residential Customers	9,087	Total Treated (MG)	2,497.000
Commercial Customers	974	Number of Manholes	2700
Institutional Customers	83	Number of Lift Stations	57
Industrial Customers	53	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 186.93 miles (Collection: 172.94 miles, Interceptors: 13.99 miles).

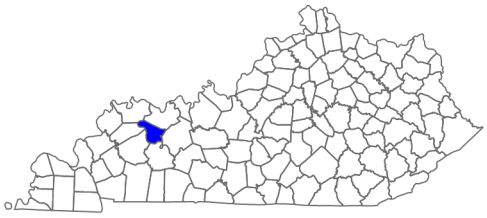
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Henderson Water Utility - North

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21101038	Finely Addition Sewer Extension	0-2 Years	Partially Funded	$2,140,000	Henderson	1	1
SX21101014	Holloway Hills Sewer Extension	6-10 Years	Not Funded	$600,000	Henderson	13	4
SX21101016	Grantwood Sewer Service Extension	6-10 Years	Not Funded	$1,000,000	Henderson	14	5
SX21101018	Graham Hill Sewer Extensions	3-5 Years	Not Funded	$3,150,000	Henderson		6
SX21101036	Thorn Ridge Sewer Extension	3-5 Years	Not Funded	$200,000	Henderson		7
SX21101040	Henderson Riverport Infrastructure Extension, Sewer	0-2 Years	Not Funded	$250,085	Henderson		8
SX21101005	Country Club Sewer Extension	6-10 Years	Not Funded	$1,200,000	Henderson		
SX21101023	Henderson Water Utility Manhole Renovation	3-5 Years	Not Funded	$1,100,000	Henderson		

McLean County

- 2010 census population of 9,531 (4,264 households) with 43% serviceable.
- Projected 2020 population of 9,271 (change of -260).
- McLean County has 56.06 miles of existing sewer lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,599,152.
- Estimated funding needs for projects from 6 to 10 years: $6,072,000.



McLean County has a 2010 census population count of 9,531 (4,264 households) with a projected 2020 population count of 9,271 (3,821 households). Public sewer is currently available to approximately 43 percent of the county's households based on 2010 census counts. Over the next ten years approximately 475 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 1,249 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Calhoun	2	$3,031,500	-	419	-	1.00	-
City of Island	6	$4,077,000	318	258	8.00	-	1.00
City of Livermore	1	$1,500,000	75	-	1.00	-	-
City of Sacramento	5	$3,142,652	55	522	-	3.00	-
McLean County Fiscal Court	2	$920,000	27	50	2.00	-	-
Totals:	**16**	**$12,671,152**	**475**	**1,249**	**11.00**	**4.00**	**1.00**

Public Wastewater Systems in McLean County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020125	Calhoun Water Works	McLean	1,176	561
KY0066605	Island Water Department	McLean	508	227
KY0020613	Livermore Water Works	McLean	1,453	689
KY0091731	Sacramento Water Works	McLean	760	355
		Totals:	3,897	1,832

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MCLEAN COUNTY
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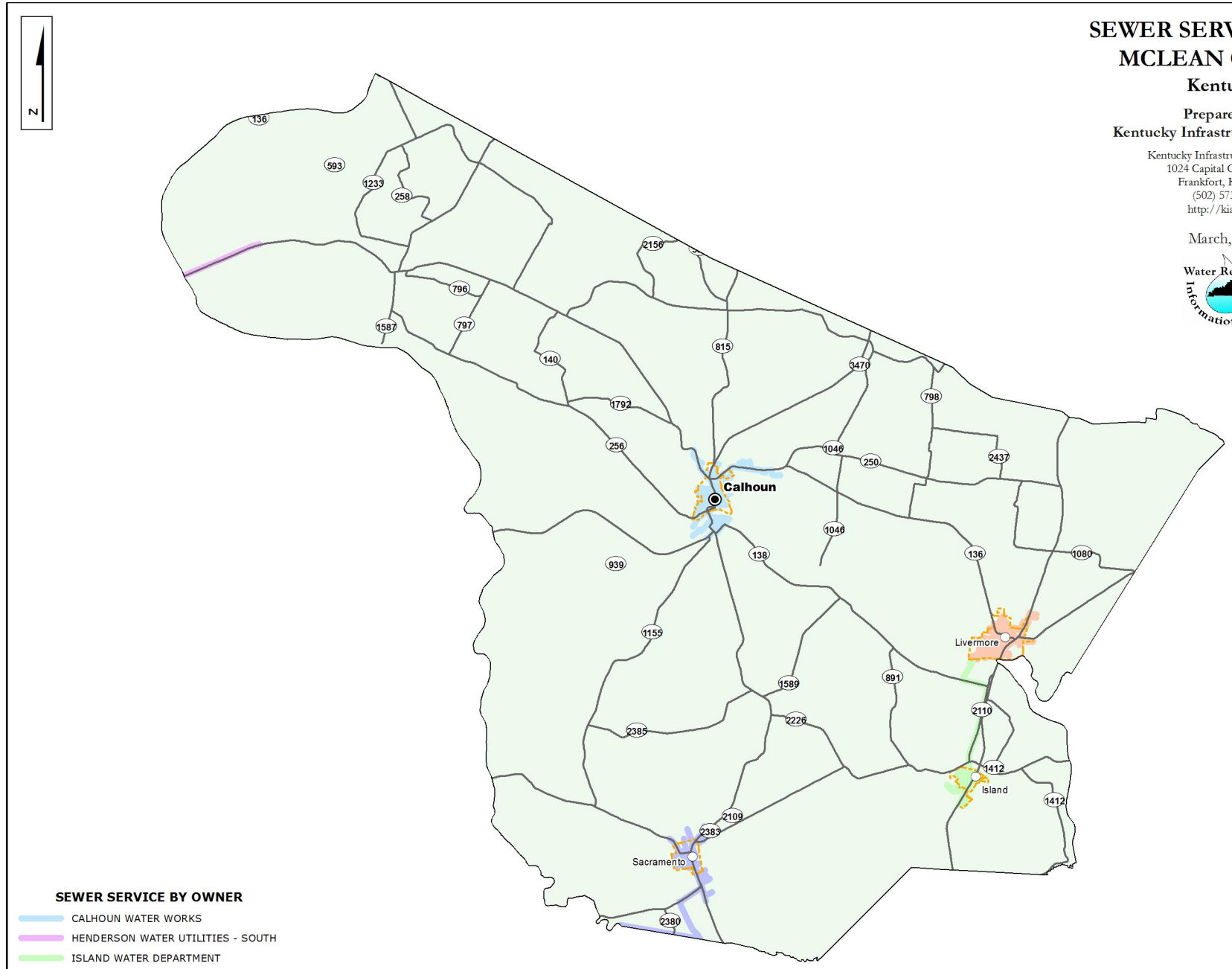


System Summary for Calhoun Water Works

Permit ID	KY0020125	Treats Wastewater	Yes, 0.4 MGD with 0.189 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	391
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.63	Total KISOP Treated (MG)	-
Residential Customers	318	Total Treated (MG)	71.632
Commercial Customers	47	Number of Manholes	212
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 15.55 miles (Collection: 15.55 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21149031	Calhoun Wastewater Plant Replacement Project	0-2 Years	Not Funded	$2,480,000	McLean	16	2
SX21149026	KY815/KY81 Sanitary Sewer Project	3-5 Years	Not Funded	$800,000	McLean		7
SX21149035	Revlett Drive Sewer Line Repair	0-2 Years	Not Funded	$551,500	McLean		12
SX21149016	Myer Creek Park Sewer Extension	6-10 Years	Not Funded	$120,000	McLean		14

System Summary for Island Water Department

Permit ID	KY0066605	Treats Wastewater	Yes, 0.128 MGD with 0.02 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	197
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$49.34	Total KISOP Treated (MG)	-
Residential Customers	187	Total Treated (MG)	7.268
Commercial Customers	10	Number of Manholes	60
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 9.52 miles (Collection: 9.52 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21149005	Fox Hollow Road Sewer Line Extension	6-10 Years	Not Funded	$1,000,000	McLean		6
SX21149032	Buttonsberry Sewer Line Project	6-10 Years	Not Funded	$1,600,000	McLean		8
SX21149006	Hwy 85 Sewer Line Extension	6-10 Years	Not Funded	$750,000	McLean		10
SX21149004	Hwy 431 Sewer Main Extension	6-10 Years	Not Funded	$500,000	McLean		11
SX21149013	Island Wastewater Treatment Plant Improvements	6-10 Years	Not Funded	$115,000	McLean		13
SX21149024	Island Sewer Plant and Lift Station Generators Project	6-10 Years	Not Funded	$112,000	McLean		15

System Summary for Livermore Water Works

Permit ID	KY0020613	Treats Wastewater	Yes, 0.31 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	682
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.04	Total KISOP Treated (MG)	-
Residential Customers	544	Total Treated (MG)	36.054
Commercial Customers	-	Number of Manholes	145
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	35%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 13.51 miles (Collection: 13.51 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21149002	Livermore Sewer Line Extensions	6-10 Years	Not Funded	$1,500,000	McLean	21	5

System Summary for Sacramento Water Works

Permit ID	KY0091731	Treats Wastewater	Yes, 0.062 MGD with 0.035 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	298
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.60	Total KISOP Treated (MG)	-
Residential Customers	274	Total Treated (MG)	22.000
Commercial Customers	24	Number of Manholes	42
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 16.45 miles (Collection: 14.84 miles, Interceptors: 1.61 miles).			

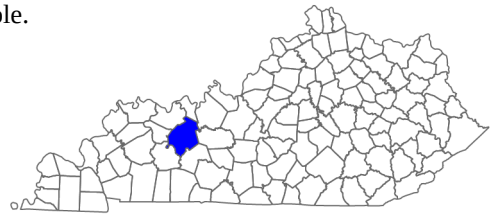
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21149023	Sacramento Gravity Sewer Project, Phase II	0-2 Years	Not Funded	$940,000	McLean	5	1
SX21149028	Sacramento Phase III Gravity Sewer Project	6-10 Years	Not Funded	$375,000	McLean	18	3
SX21149034	Sacramento Gravity Sewers - Phase II	0-2 Years	Not Funded	$1,508,852	McLean		
SX21149017	Sacramento Sewer Pumps 2	3-5 Years	Not Funded	$280,000	McLean		
SX21149033	Sacramento Lagoon Project	0-2 Years	Not Funded	$38,800	McLean		

Ohio County

- 2010 census population of 23,842 (10,219 households) with 32% serviceable.
- Projected 2020 population of 24,781 (change of 939).
- Ohio County has 85.22 miles of existing sewer lines.
- 2.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,556,570.
- There are no projects planned from 6 to 10 years.



Ohio County has a 2010 census population count of 23,842 (10,219 households) with a projected 2020 population count of 24,781 (9,786 households). Public sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 65 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 3,997 instances of improved service through the rehabilitation of 4.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Beaver Dam	2	$901,120	-	1,920	-	1.00	-
City of Centertown	2	$200,000	-	706	-	-	-
City of Fordsville	1	$753,450	-	233	-	-	-
City of Hartford	1	$2,002,000	-	1,138	-	3.00	-
Ohio County Fiscal Court	1	$700,000	65	-	2.00	-	-
Totals:	**7**	**$4,556,570**	**65**	**3,997**	**2.00**	**4.00**	**-**

Public Wastewater Systems in Ohio County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000076	Beaver Dam Municipal Water/Sewer	Ohio	3,893	1,636
KYP000078	Centertown Water System	Ohio	530	216
KY0054801	Fordsville Water District	Ohio	554	242
KYP000077	Hartford Municipal Water Works	Ohio	2,551	1,127
		Totals:	7,528	3,221

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
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Prepared By:
Kentucky Infrastructure Authority

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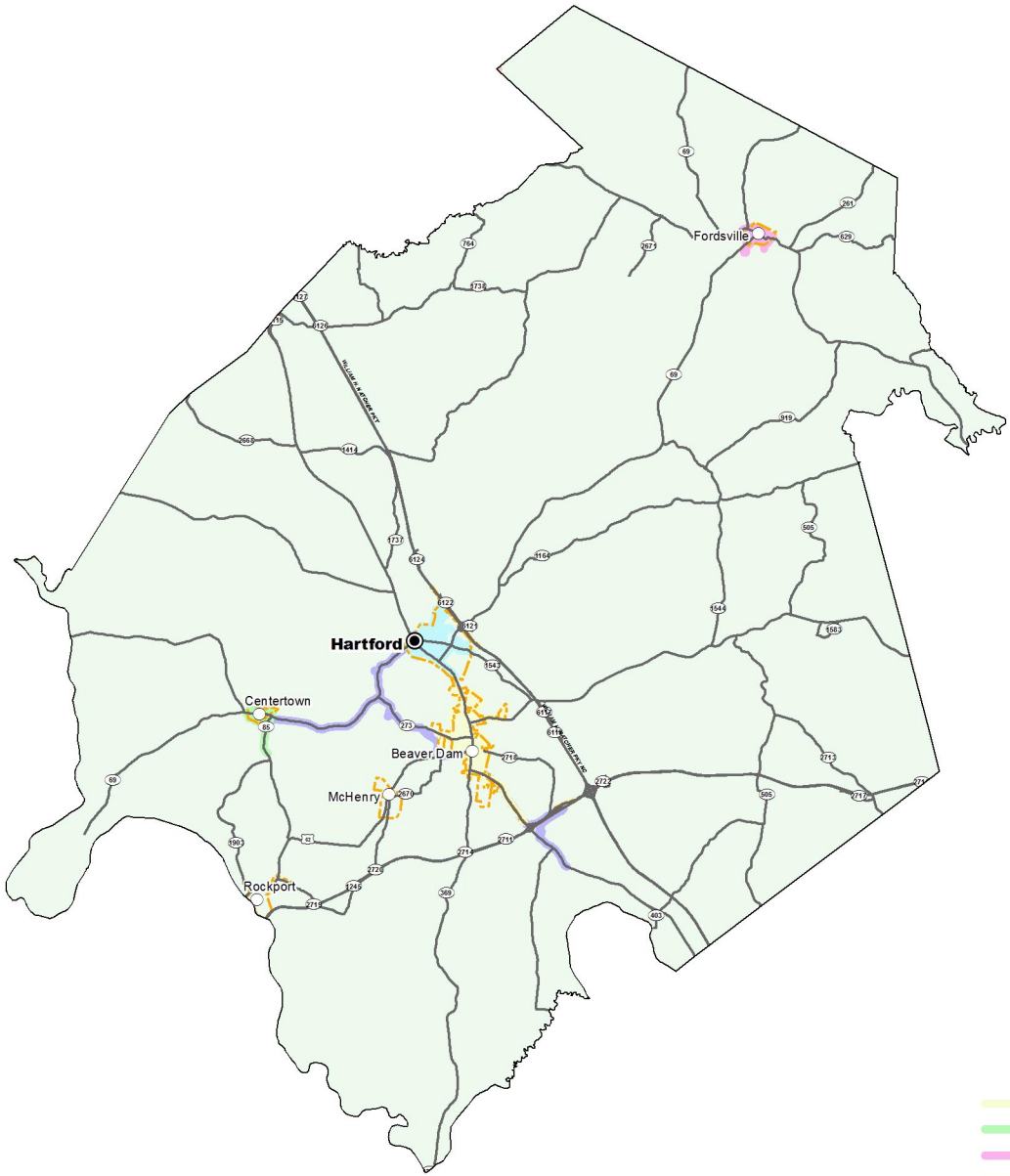
March, 2013

Water Resource Information System



System Summary for Beaver Dam Municipal Water/Sewer

Permit ID	KYP000076	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,484
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	236.987
Cost Per 4000 Gallons	$60.00	Total KISOP Treated (MG)	-
Residential Customers	1,235	Total Treated (MG)	-
Commercial Customers	202	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	12
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 32.45 miles (Collection: 32.45 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Beaver Dam Municipal Water/Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21183012	Valley View Sewer Line Replacement	3-5 Years	Not Funded	$321,120	Ohio	17	3

System Summary for Centertown Water System

Permit ID	KYP000078	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	231
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	13.486
Cost Per 4000 Gallons	$38.10	Total KISOP Treated (MG)	-
Residential Customers	231	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	110
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.59 miles (Collection: 5.49 miles, Interceptors: 1.10 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21183016	Centertown Liftstation Rebuild Project	0-2 Years	Not Funded	$150,000	Ohio	6	1
SX21183007	Centertown Sewer Clean Out Machine Purchase Project	0-2 Years	Not Funded	$50,000	Ohio	30	5

System Summary for Fordsville Water District

Permit ID	KY0054801	Treats Wastewater	Yes, 0.13 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	210
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.92	Total KISOP Treated (MG)	-
Residential Customers	180	Total Treated (MG)	27.610
Commercial Customers	29	Number of Manholes	115
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	1	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 6.68 miles (Collection: 6.68 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21183015	Fordsville Wastewater System Improvement/Rehabilitation Project	0-2 Years	Not Funded	$753,450	Ohio	10	2

System Summary for Hartford Municipal Water Works

Permit ID	KYP000077	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	882
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	8	Total KISOP Sent (MG)	230.949
Cost Per 4000 Gallons	$47.79	Total KISOP Treated (MG)	-
Residential Customers	906	Total Treated (MG)	-
Commercial Customers	124	Number of Manholes	220
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	40%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 18.51 miles (Collection: 18.51 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21183002	North 231 Sewer Extension Project	0-2 Years	Not Funded	$700,000	Ohio	20	4
SX21183014	Hartford Sewer Rehabilitation Project - Phase II	0-2 Years	Partially Funded	$2,002,000	Ohio		

System Summary for Ohio County Regional Wastewater District

Permit ID	KY0105791	Treats Wastewater	Yes, 2 MGD with 1.483 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$11.72	Total KISOP Treated (MG)	481.422
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	8
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	3	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 19.98 miles (Collection: 1.76 miles, Interceptors: 18.22 miles).			

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

There are no immediate projects for Ohio County Regional Wastewater District

Union County

- 2010 census population of 15,007 (6,141 households) with 60% serviceable.
- Projected 2020 population of 14,436 (change of -571).
- Union County has 97.90 miles of existing sewer lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 19.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $35,703,083.
- Estimated funding needs for projects from 6 to 10 years: $3,710,000.

Union County has a 2010 census population count of 15,007 (6,141 households) with a projected 2020 population count of 14,436 (5,463 households). Public sewer is currently available to approximately 60 percent of the county's households based on 2010 census counts. Over the next ten years approximately 200 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 6,437 instances of improved service through the rehabilitation of 19.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Morganfield	4	$30,663,683	-	4,157	-	19.00	-
City of Sturgis	3	$6,249,400	200	1,100	3.00	-	3.00
City of Uniontown	2	$2,500,000	-	1,180	-	-	-
Totals:	**9**	**$39,413,083**	**200**	**6,437**	**3.00**	**19.00**	**3.00**

Public Wastewater Systems in Union County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021440	Morganfield Water Works	Union	5,754	2,002
KY0025895	Sturgis Water Works	Union	2,088	1,025
KY0025844	Uniontown Water/Sewer Department	Union	1,086	496
KYP000060	Waverly Wastewater Collection	Union	348	159
		Totals:	9,276	3,682

Kentucky Infrastructure Authority
February 15, 2018

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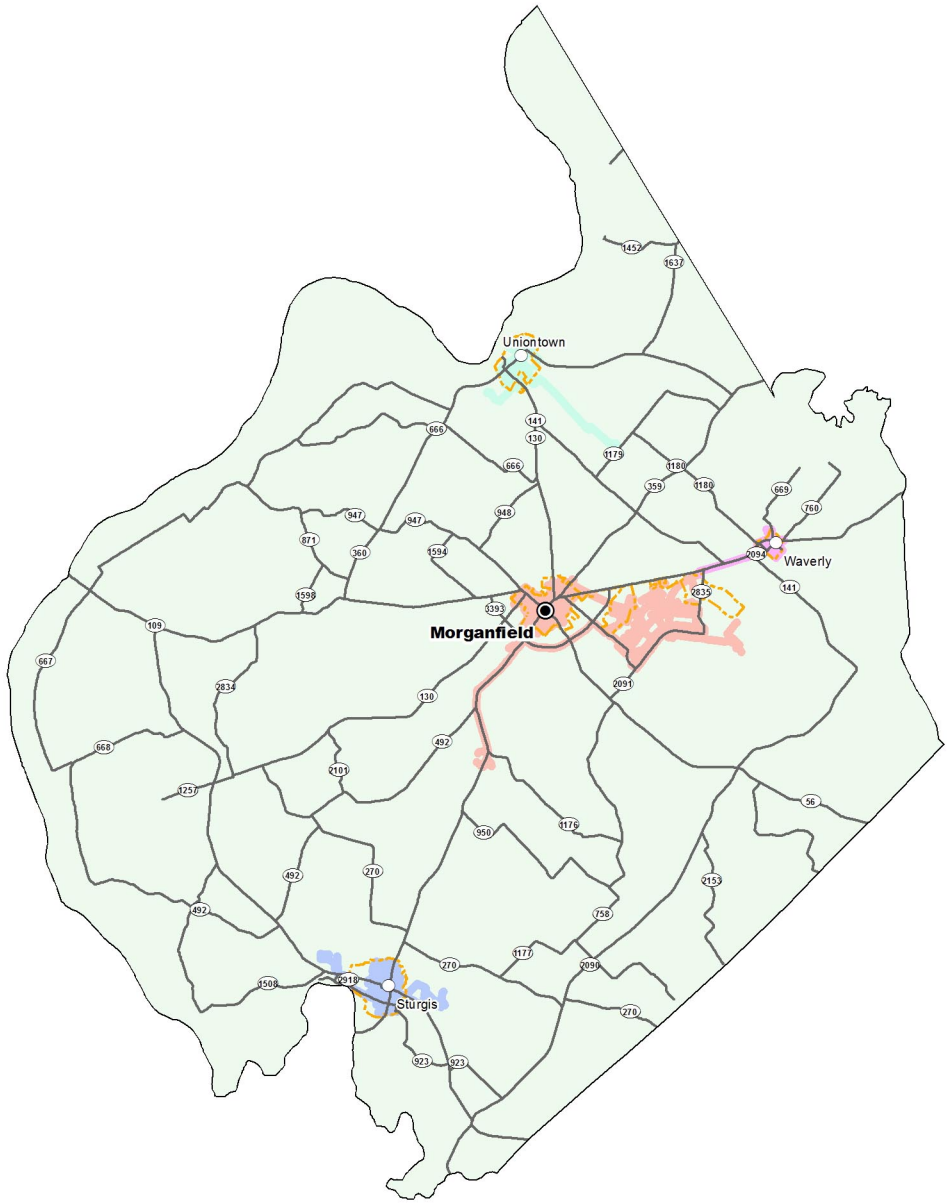


System Summary for Hurst Mobile Village

Permit ID	KY0084697	Treats Wastewater	Yes, 0.0075 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Hurst Mobile Village

System Summary for Morganfield Water Works

Permit ID	KY0021440	Treats Wastewater	Yes, 3.5 MGD with 1.8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,086
Owner Type	Incorporated City	KISOP Sender	No
Employees	12	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	6.000
Residential Customers	1,606	Total Treated (MG)	266.400
Commercial Customers	278	Number of Manholes	835
Institutional Customers	-	Number of Lift Stations	22
Industrial Customers	11	Percent Lines 20 yrs or Older	90%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 59.23 miles (Collection: 56.31 miles, Interceptors: 2.92 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21225030	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	$2,153,883	Union	23	2
SX21225006	Camp Breckenridge Sewer Rehab	0-2 Years	Not Funded	$3,552,800	Union	24	3
SX21225033	Morganfield WWTP Upgrade	0-2 Years	Not Funded	$19,952,000	Union		
SX21225031	Job Corps Sewer Rehabilitation and Replacement Project	0-2 Years	Partially Funded	$5,005,000	Union		

System Summary for Sturgis Water Works

Permit ID	KY0025895	Treats Wastewater	Yes, 0.5 MGD with 0.41 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	758
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$43.26	Total KISOP Treated (MG)	-
Residential Customers	659	Total Treated (MG)	25.000
Commercial Customers	99	Number of Manholes	265
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 18.65 miles (Collection: 18.65 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21225012	Sturgis Wastewater Treatment Plant Upgrade	6-10 Years	Partially Funded	$2,710,000	Union	15	1
SX21225025	Winn Addition Sewer Expansion	0-2 Years	Not Funded	$3,424,400	Union	29	5
SX21225023	Individual Pump Stations for Unsewered Residents of Sturgis	0-2 Years	Not Funded	$115,000	Union		6

System Summary for Uniontown Water/Sewer Department

Permit ID	KY0025844	Treats Wastewater	Yes, 0.16 MGD with 0.09 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	554
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.10	Total KISOP Treated (MG)	-
Residential Customers	529	Total Treated (MG)	48.000
Commercial Customers	25	Number of Manholes	131
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	4	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 13.77 miles (Collection: 13.77 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21225015	Uniontown Lift Station Rebuilds	6-10 Years	Not Funded	$1,000,000	Union	25	4
SX21225022	Uniontown Lagoon Dredging	0-2 Years	Not Funded	$1,500,000	Union		7

System Summary for Waverly Wastewater Collection

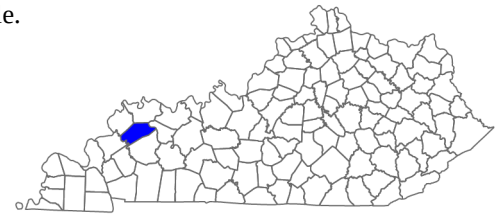
Permit ID	KYP000060	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	151
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	6.000
Cost Per 4000 Gallons	$32.40	Total KISOP Treated (MG)	-
Residential Customers	146	Total Treated (MG)	-
Commercial Customers	5	Number of Manholes	71
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.24 miles (Collection: 3.83 miles, Interceptors: 2.41 miles).			

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

There are no immediate projects for Waverly Wastewater Collection

Webster County

- 2010 census population of 13,621 (5,936 households) with 47% serviceable.
- Projected 2020 population of 13,399 (change of -222).
- Webster County has 77.32 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,046,690.
- Estimated funding needs for projects from 6 to 10 years: $1,280,000.



Webster County has a 2010 census population count of 13,621 (5,936 households) with a projected 2020 population count of 13,399 (5,292 households). Public sewer is currently available to approximately 47 percent of the county's households based on 2010 census counts. Over the next ten years approximately 13 serviceable households will be added through the construction of 0.00 miles of sewer line extensions and approximately 4,210 instances of improved service through the rehabilitation of 11.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Providence	4	$4,932,750	-	2,900	-	6.00	-
City of Sebree	2	$2,393,940	13	1,310	-	5.00	-
Totals:	**6**	**$7,326,690**	**13**	**4,210**	**-**	**11.00**	**-**

Public Wastewater Systems in Webster County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028096	Clay Water Works	Webster	1,181	514
KY0021296	Providence Water Works	Webster	2,881	1,451
KYP000054	Sebree Collection System	Webster	1,471	556
KYP000055	Webster County Sanitation District	Webster	835	281
		Totals:	6,368	2,802

Kentucky Infrastructure Authority
February 15, 2018

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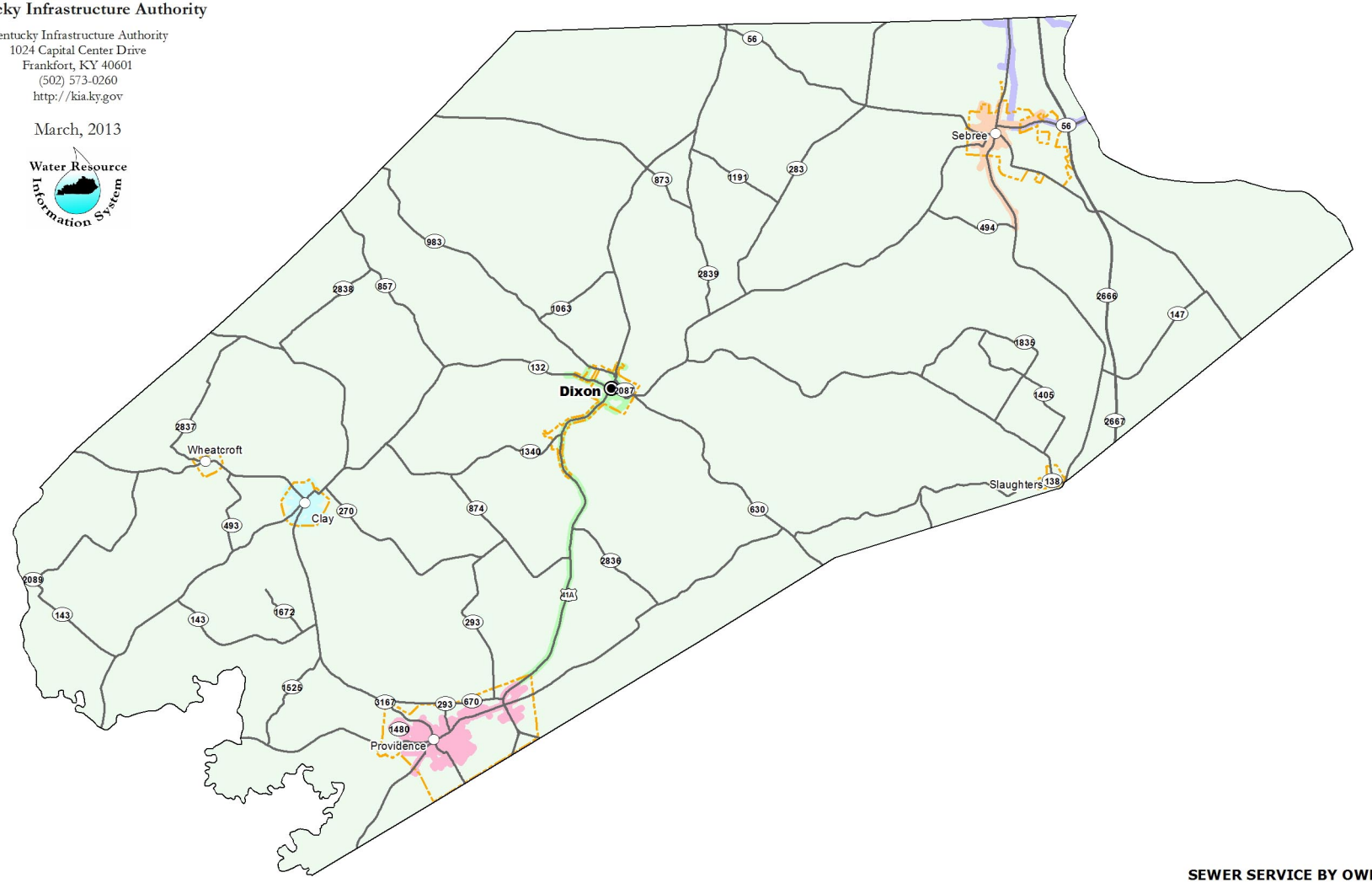


System Summary for Clay Water Works

Permit ID	KY0028096	Treats Wastewater	Yes, 0.2 MGD with 0.176 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	758
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.13	Total KISOP Treated (MG)	-
Residential Customers	438	Total Treated (MG)	39.000
Commercial Customers	30	Number of Manholes	157
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	40%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 13.44 miles (Collection: 13.44 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Clay Water Works

System Summary for Providence Water Works

Permit ID	KY0021296	Treats Wastewater	Yes, 0.62 MGD with 0.4 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,300
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.67	Total KISOP Treated (MG)	25.425
Residential Customers	1,249	Total Treated (MG)	84.000
Commercial Customers	50	Number of Manholes	650
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 28.26 miles (Collection: 27.28 miles, Interceptors: 0.99 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21233026	Providence Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	$1,959,000	Webster	4	1
SX21233025	Providence Sanitary Sewer Upgrades	0-2 Years	Not Funded	$1,693,750	Webster	7	2
SX21233023	New Providence Area Sewer Project	6-10 Years	Not Funded	$1,200,000	Webster		6
SX21233021	Providence Aerobic Digester Aeration Improvement Project	6-10 Years	Not Funded	$80,000	Webster		

System Summary for Sebree Collection System

Permit ID	KYP000054	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	551
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	7	Total KISOP Sent (MG)	36.500
Cost Per 4000 Gallons	$36.93	Total KISOP Treated (MG)	-
Residential Customers	621	Total Treated (MG)	-
Commercial Customers	56	Number of Manholes	179
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 13.16 miles (Collection: 13.16 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Sebree Collection System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21233027	Sebree Sanitary Sewer Replacement	0-2 Years	Not Funded	$1,178,940	Webster	8	3
SX21233020	Sebree I&I Sewer Rehab Project	3-5 Years	Not Funded	$1,215,000	Webster	9	4

System Summary for Webster County Sanitation District

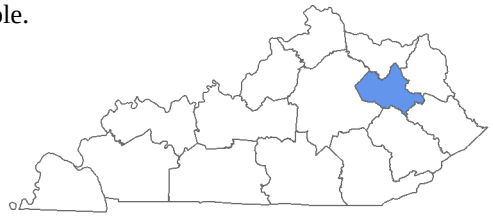
Permit ID	KYP000055	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	410
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	25.425
Cost Per 4000 Gallons	$36.72	Total KISOP Treated (MG)	-
Residential Customers	351	Total Treated (MG)	-
Commercial Customers	52	Number of Manholes	157
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 16.06 miles (Collection: 7.29 miles, Interceptors: 8.76 miles).			

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

There are no immediate projects for Webster County Sanitation District

Gateway Area Development District (GWADD)

- 2010 census population of 81,652 (36,780 households) with 42% serviceable.
- Projected 2020 population of 87,651 (change of 5,999).
- 391.35 miles of existing sewer lines.
- 40.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- 15.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $35,079,369.
- Estimated funding needs for projects from 6 to 10 years: $2,690,089.
- Average age of wastewater treatment plants is 26 years.
- Total number of interconnected systems is 0.
- 89 miles of sewer lines less than 15 years old.
- 202 miles of sewer lines between 15 and 30 years old.
- 77 miles of sewer lines between 31 and 50 years old.
- 27 miles of sewer lines between 51 and 70 years old.
- 0 miles of sewer lines greater than 70 years old.



Gateway Area Development District has a 2010 census population count of 81,652 (36,780 households) with a projected 2020 population count of 87,651 (34,583 households). Public sewer is currently available to approximately 42 percent of the district's households based on 2010 census counts. Over the next ten years approximately 963 serviceable households will be added through the construction of 40.00 miles of sewer line extensions and approximately 34,078 instances of improved service through the rehabilitation of 10.00 miles of existing sewer lines and other appurtenances. 15.00 miles of interceptor lines are also proposed within this district.

County Summary for Gateway Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bath	11,591	5,405	12,132	5,006	1,818	34%	$ 9,972,149
Menifee	6,306	3,744	6,038	2,422	588	16%	$ 8,110,030
Montgomery	26,499	11,699	30,750	12,483	6,321	54%	$ 4,728,339
Morgan	13,923	5,830	14,023	5,126	899	15%	$ 7,412,940
Rowan	23,333	10,102	24,708	9,546	5,973	59%	$ 7,546,000
Totals	**81,652**	**36,780**	**87,651**	**34,583**	**15,599**	**42%**	**$ 37,769,458**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

GWADD

Prepared By:
Kentucky Infrastructure Authority

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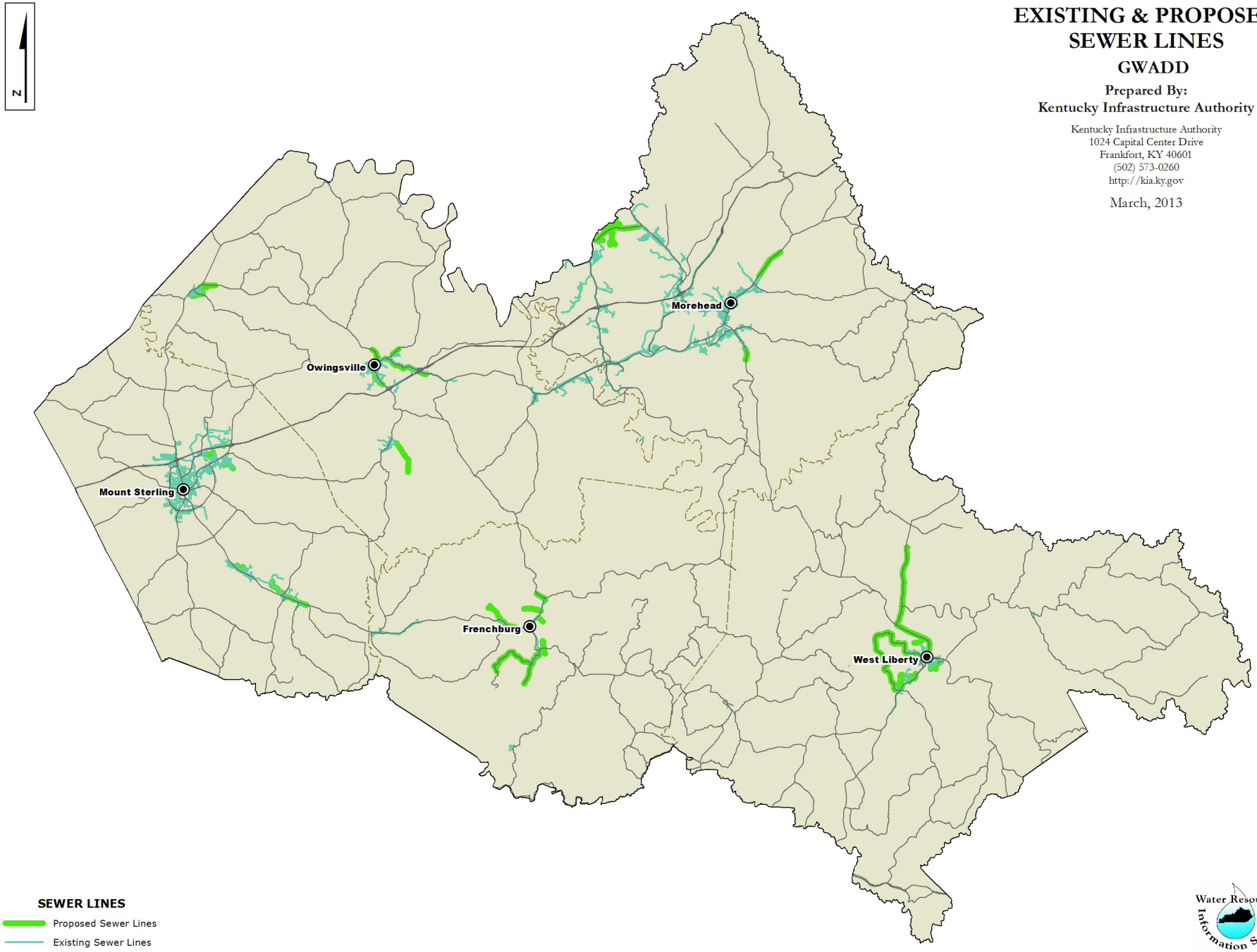
March, 2013



Public Sewer Systems in the Gateway Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KIA011001	Bath County Sanitation District	Bath	247	115
KY0024287	City of Owingsville	Bath	1,996	992
KY0088421	City of Sharpsburg	Bath	393	230
KY0040584	City of Frenchburg	Menifee	749	400
KY0100901	Menifee County Sanitation District # 1	Menifee	429	180
KY0069736	Montgomery County Sanitation Dist #2	Montgomery	1,844	822
KY0104400	Mount Sterling Water and Sewer	Montgomery	11,922	5,499
KY0089567	City of West Liberty	Morgan	3,679	899
KY0052752	Morehead Utility Plant Board	Rowan	15,128	6,519
		Totals:	36,387	15,656

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21011022	Industrial Park WWTP Expansion	0-2 Years	Not Funded	$2,700,000	Bath	1	1
SX21175013	City of West Liberty Liberty Road Sewer Extension	3-5 Years	Not Funded	$3,257,940	Morgan	2	1
SX21165010	System Improvements Project	0-2 Years	Not Funded	$1,459,000	Menifee	3	1
SX21205029	Sunnybrook Development Sewer Line Extension	0-2 Years	Not Funded	$1,300,000	Rowan	4	1
SX21205037	US 60 West and KY 801 SSO Correction Project	0-2 Years	Not Funded	$3,671,000	Rowan	5	2
SX21011015	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	$225,000	Bath	6	2
SX21011002	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	$700,000	Bath	7	3
SX21165015	City of Frenchburg Bryant Lane/Shotgun Hollow Sewer Line Extension Project	3-5 Years	Not Funded	$650,250	Menifee	8	2
SX21011017	City of Owingsville KY 36 North Sewer Extension	3-5 Years	Not Funded	$563,284	Bath	9	4
SX21011016	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	$590,000	Bath	10	5
SX21011020	City of Owingsville Sewer Extension to Remaining Unserved In City Limits	3-5 Years	Not Funded	$100,000	Bath	11	6
SX21011007	City of Sharpsburg Oaklawn Line Extension Project	3-5 Years	Not Funded	$892,865	Bath	12	7
SX21165007	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	$4,000,000	Menifee	13	3
SX21165020	City of Frenchburg Miscellaneous Sewer Extension Project	3-5 Years	Not Funded	$455,000	Menifee	14	4
SX21165019	US 460 Sewer Line Extension	0-2 Years	Not Funded	$323,930	Menifee	15	5
SX21205033	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sewer	3-5 Years	Not Funded	$500,000	Rowan	16	3
SX21173034	Montgomery County Sanitation District No. 2 Pump Station Upgrade 11 and 15	3-5 Years	Not Funded	$510,000	Montgomery	17	1
SX21165018	City of Frenchburg Wastewater Collection System Rehab	3-5 Years	Not Funded	$1,061,850	Menifee	18	6
SX21205035	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	$200,000	Rowan	19	4
SX21173066	Montgomery County Sanitation Dist #2 Boom and Clarifier Weirs Replacement Project	3-5 Years	Not Funded	$75,000	Montgomery	20	2
SX21173033	Montgomery County Sanitation District No. 2 Head Works Screen Project	3-5 Years	Not Funded	$200,000	Montgomery	21	3
SX21173024	Montgomery County Sanitation District No. 2 Pump Station No. 5 Project	3-5 Years	Not Funded	$267,000	Montgomery	22	4
SX21173010	Montgomery Co. Sanitation Dist.#2 Lift Station and Line Upgrade	3-5 Years	Not Funded	$464,000	Montgomery	23	5
SX21011018	Bath County Sanitation District Preston Sewer Project Phase II	6-10 Years	Not Funded	$470,000	Bath	24	8
SX21175010	City of West Liberty System Sewer Line Replacement Project	3-5 Years	Not Funded	$600,000	Morgan	25	2
SX21173063	Montgomery County Sanitation District No. 2 Sludge Holding Tank	6-10 Years	Not Funded	$170,089	Montgomery	26	6
SX21165017	Menifee County Sanitation District No. 1 Equalization Basin	11-20 Years	Not Funded	$750,000	Menifee	27	7
SX21173014	Mt. Sterling Water & Sewer System Manhole Rehab Project	11-20 Years	Not Funded	$625,000	Montgomery	28	7
SX21205041	Morehead Utility Plant Board US 60 Sewer Line Rehab	6-10 Years	Not Funded	$1,500,000	Rowan	29	5
SX21173023	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	$275,000	Montgomery	30	8
SX21173070	Levee Road/By-Pass Sewer Sewer Line Replacement	0-2 Years	Not Funded	$20,000	Montgomery	31	9
SX21205039	Morehead Utility Plant Board Lift Station No. 7 Rehab	3-5 Years	Not Funded	$125,000	Rowan	32	6
SX21173055	Mt. Sterling Water & Sewer I&I Study and Repair Project	11-20 Years	Not Funded	$1,000,000	Montgomery	33	10

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21173073	Kennedy Court Sanitary Sewer Replacement	0-2 Years	Not Funded	$19,500	Montgomery	34	11
SX21205031	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	$250,000	Rowan	35	7
SX21173072	East High Street Sanitary Sewer Replacement	0-2 Years	Not Funded	$70,000	Montgomery	36	12
SX21173071	West High Street Sanitary Sewer Replacement	0-2 Years	Not Funded	$70,000	Montgomery	37	13
SX21173074	Spring Street Sanitary Sewer Replacement	0-2 Years	Not Funded	$74,250	Montgomery	38	14
SX21173068	Portable Emergency Generator Project	3-5 Years	Not Funded	$60,000	Montgomery	39	15
SX21173027	Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	40	16
SX21173051	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	41	17
SX21173053	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	42	18
SX21173054	Mt. Sterling Water & Sewer LMS Lift Station Elimination	3-5 Years	Not Funded	$100,000	Montgomery	43	19
SX21165021	City of Frenchburg I & I Analysis Project	3-5 Years	Not Funded	$60,000	Menifee	44	8
SX21011019	Bath County Sanitation District Valve and Riser Lid Replacement	0-2 Years	Not Funded	$60,000	Bath	45	9
SX21173017	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	$75,000	Montgomery	46	20
SX21173046	Montgomery County Sanitation District Upgrade Chlorine Room At WWTP	0-2 Years	Not Funded	$14,500	Montgomery	47	21
SX21173048	Montgomery County Sanitation District No. 2 Phosphate Reduction	3-5 Years	Not Funded	$100,000	Montgomery	48	22
SX21173015	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	6-10 Years	Not Funded	$75,000	Montgomery	49	23
SX21173049	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade	6-10 Years	Not Funded	$100,000	Montgomery	50	24
SX21173050	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	6-10 Years	Not Funded	$175,000	Montgomery	51	25
SX21173062	Montgomery County Sanitation District No. 2 Combo Vac Truck Project	6-10 Years	Not Funded	$100,000	Montgomery	52	26
SX21165014	Menifee County Sanitation District System Improvement Project Phase 2	6-10 Years	Not Funded	$100,000	Menifee	53	9
			Total Cost:	**$31,459,458**			

Bath County

- 2010 census population of 11,591 (5,405 households) with 34% serviceable.
- Projected 2020 population of 12,132 (change of 541).
- Bath County has 58.01 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 5.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,502,149.
- Estimated funding needs for projects from 6 to 10 years: $470,000.

Bath County has a 2010 census population count of 11,591 (5,405 households) with a projected 2020 population count of 12,132 (5,006 households). Public sewer is currently available to approximately 34 percent of the county's households based on 2010 census counts. Over the next ten years approximately 127 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 1,522 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 5.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Bath County Sanitation District	2	$530,000	50	130	2.00	-	-
City of Morehead	1	$3,671,000	-	-	-	-	4.00
City of Owingsville	6	$4,878,284	37	1,392	2.00	1.00	-
City of Sharpsburg	1	$892,865	40	-	1.00	-	1.00
Totals:	**10**	**$9,972,149**	**127**	**1,522**	**5.00**	**1.00**	**5.00**

Public Wastewater Systems in Bath County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KIA011001	Bath County Sanitation District	Bath	247	115
KY0024287	City of Owingsville	Bath	1,996	992
KY0088421	City of Sharpsburg	Bath	393	230
KY0052752	Morehead Utility Plant Board	Rowan	922	472
		Totals:	3,558	1,809

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BATH COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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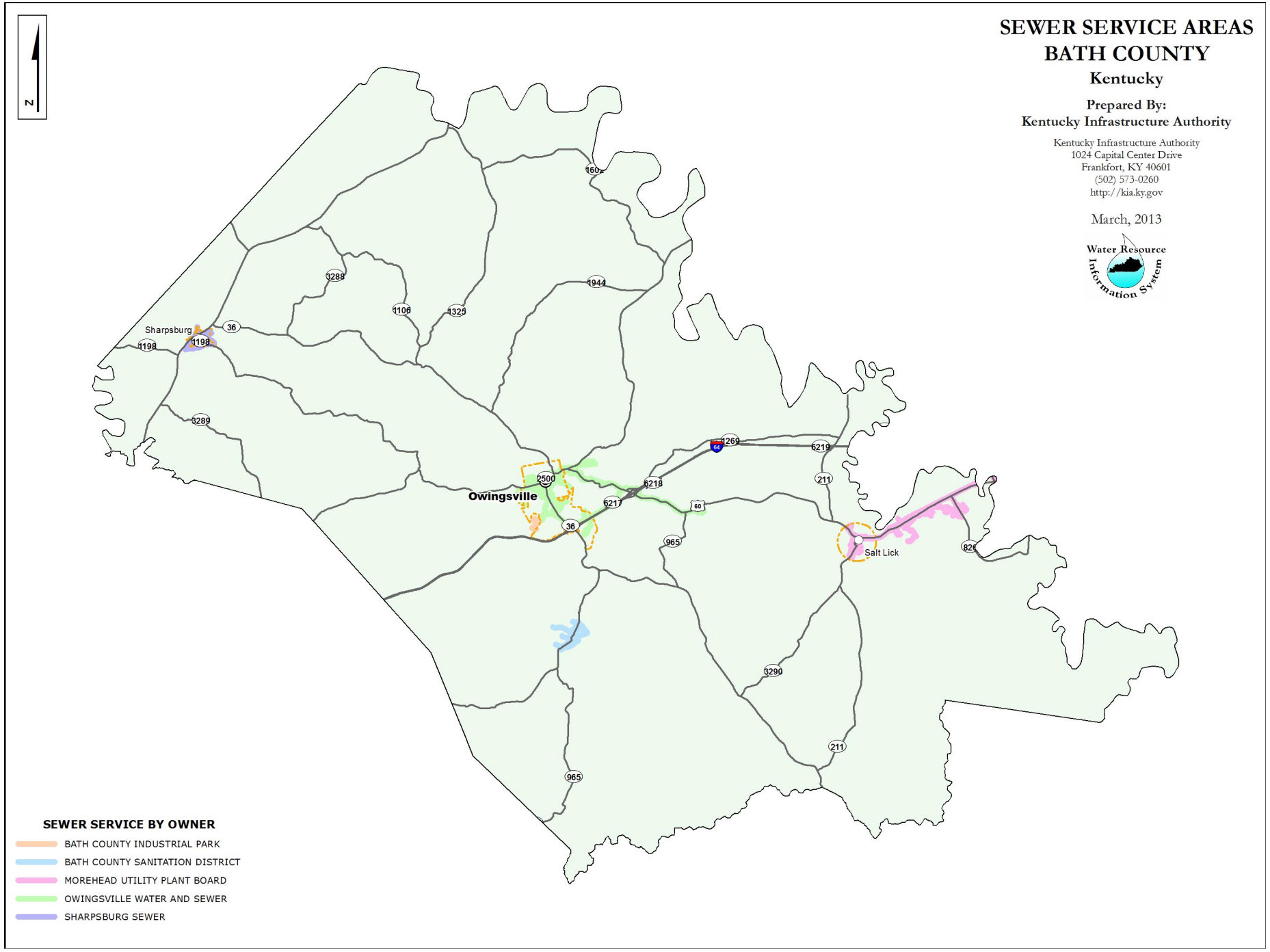
March, 2013



System Summary for Bath County Sanitation District

Permit ID	KIA011001	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	77
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.00	Total KISOP Treated (MG)	-
Residential Customers	68	Total Treated (MG)	3.650
Commercial Customers	9	Number of Manholes	114
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.91 miles (Collection: 6.89 miles, Interceptors: 0.02 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bath County Sanitation District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21011018	Bath County Sanitation District Preston Sewer Project Phase II	6-10 Years	Not Funded	$470,000	Bath	24	8
SX21011019	Bath County Sanitation District Valve and Riser Lid Replacement	0-2 Years	Not Funded	$60,000	Bath	45	9

System Summary for City of Owingsville

Permit ID	KY0024287	Treats Wastewater	Yes, 0.22 MGD with 0.243 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	753
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.46	Total KISOP Treated (MG)	-
Residential Customers	612	Total Treated (MG)	66.003
Commercial Customers	79	Number of Manholes	373
Institutional Customers	13	Number of Lift Stations	22
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 23.98 miles (Collection: 21.19 miles, Interceptors: 2.80 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21011015	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	$225,000	Bath	6	2
SX21011002	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	$700,000	Bath	7	3
SX21011017	City of Owingsville KY 36 North Sewer Extension	3-5 Years	Not Funded	$563,284	Bath	9	4
SX21011016	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	$590,000	Bath	10	5
SX21011020	City of Owingsville Sewer Extension to Remaining Unserved In City Limits	3-5 Years	Not Funded	$100,000	Bath	11	6

System Summary for City of Sharpsburg

Permit ID	KY0088421	Treats Wastewater	Yes, 0.07 MGD with 0.029 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	159
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.11	Total KISOP Treated (MG)	-
Residential Customers	150	Total Treated (MG)	6.789
Commercial Customers	9	Number of Manholes	122
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 4.53 miles (Collection: 3.81 miles, Interceptors: 0.72 miles).			

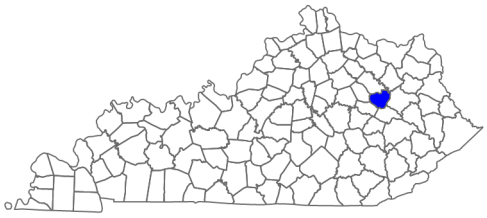
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21011007	City of Sharpsburg Oaklawn Line Extension Project	3-5 Years	Not Funded	$892,865	Bath	12	7

Menifee County

- 2010 census population of 6,306 (3,744 households) with 16% serviceable.
- Projected 2020 population of 6,038 (change of -268).
- Menifee County has 16.57 miles of existing sewer lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,010,030.
- Estimated funding needs for projects from 6 to 10 years: $100,000.



Menifee County has a 2010 census population count of 6,306 (3,744 households) with a projected 2020 population count of 6,038 (2,422 households). Public sewer is currently available to approximately 16 percent of the county's households based on 2010 census counts. Over the next ten years approximately 110 serviceable households will be added through the construction of 9.00 miles of sewer line extensions and approximately 754 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Frenchburg	6	$6,551,030	110	521	9.00	2.00	-
Menifee County Fiscal Court	1	$1,459,000	-	125	-	-	1.00
Menifee County Sanitation District #1	1	$100,000	-	108	-	-	-
Totals:	**8**	**$8,110,030**	**110**	**754**	**9.00**	**2.00**	**1.00**

Public Wastewater Systems in Menifee County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0040584	City of Frenchburg	Menifee	749	400
KY0100901	Menifee County Sanitation District # 1	Menifee	429	180
		Totals:	1,178	580

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MENIFEE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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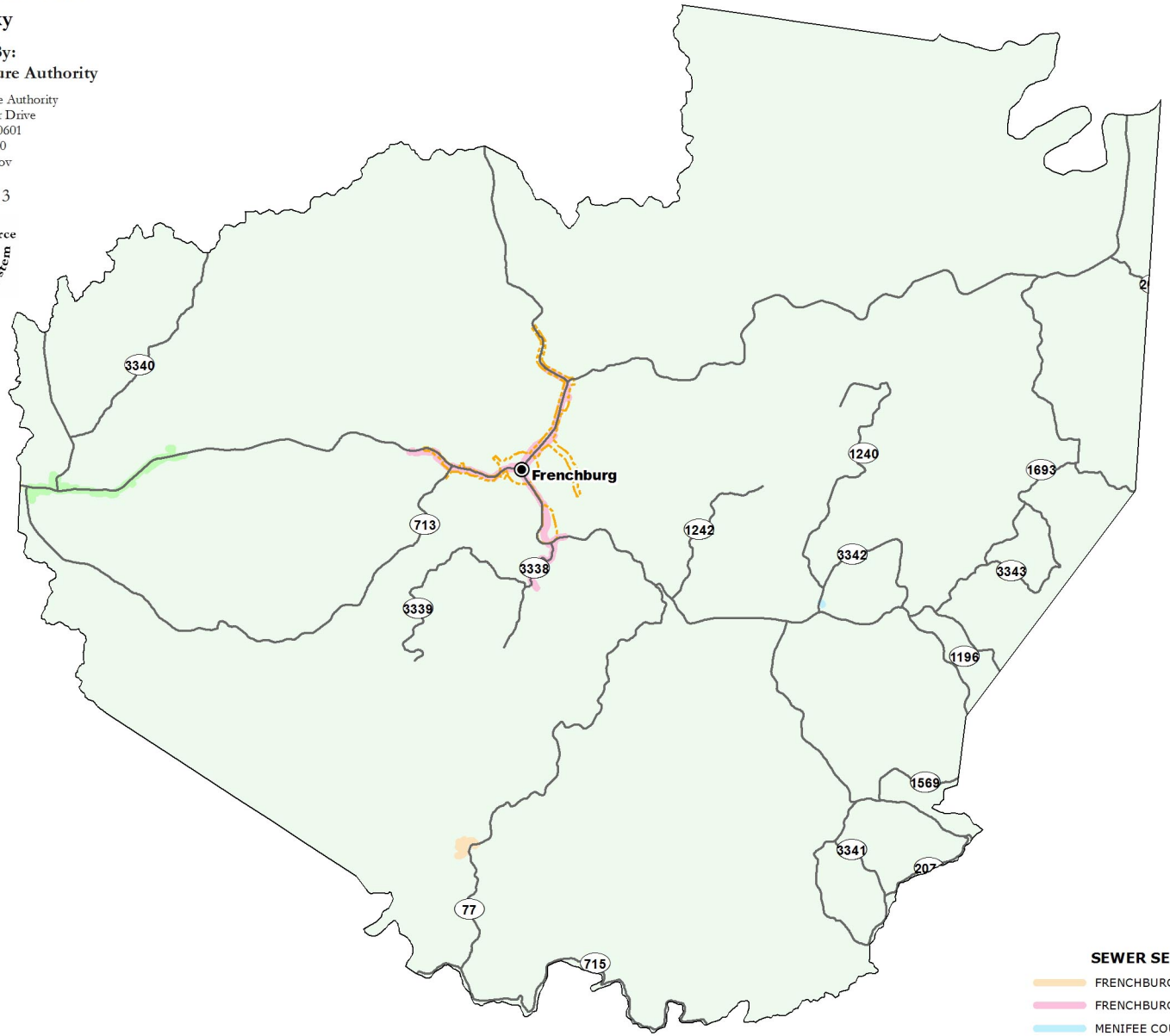
March, 2013

Water Resource Information System



System Summary for City of Frenchburg

Permit ID	KY0040584	Treats Wastewater	Yes, 0.22 MGD with 0.162 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	270
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.00	Total KISOP Treated (MG)	-
Residential Customers	209	Total Treated (MG)	59.380
Commercial Customers	49	Number of Manholes	150
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 9.46 miles (Collection: 9.37 miles, Interceptors: 0.09 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21165015	City of Frenchburg Bryant Lane/Shotgun Hollow Sewer Line Extension Project	3-5 Years	Not Funded	$650,250	Menifee	8	2
SX21165007	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	$4,000,000	Menifee	13	3
SX21165020	City of Frenchburg Miscellaneous Sewer Extension Project	3-5 Years	Not Funded	$455,000	Menifee	14	4
SX21165019	US 460 Sewer Line Extension	0-2 Years	Not Funded	$323,930	Menifee	15	5
SX21165018	City of Frenchburg Wastewater Collection System Rehab	3-5 Years	Not Funded	$1,061,850	Menifee	18	6
SX21165021	City of Frenchburg I & I Analysis Project	3-5 Years	Not Funded	$60,000	Menifee	44	8

System Summary for Menifee County Sanitation District # 1

Permit ID	KY0100901	Treats Wastewater	Yes, 0.045 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	119
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.00	Total KISOP Treated (MG)	-
Residential Customers	113	Total Treated (MG)	8.358
Commercial Customers	2	Number of Manholes	98
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	4	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 6.13 miles (Collection: 5.91 miles, Interceptors: 0.22 miles).			

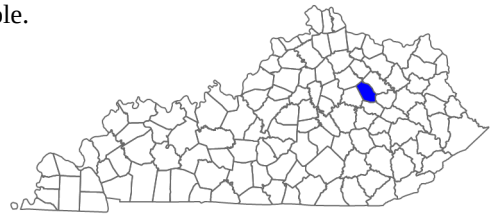
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21165010	System Improvements Project	0-2 Years	Not Funded	$1,459,000	Menifee	3	1
SX21165014	Menifee County Sanitation District System Improvement Project Phase 2	6-10 Years	Not Funded	$100,000	Menifee	53	9

Montgomery County

- 2010 census population of 26,499 (11,699 households) with 54% serviceable.
- Projected 2020 population of 30,750 (change of 4,251).
- Montgomery County has 113.88 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,108,250.
- Estimated funding needs for projects from 6 to 10 years: $620,089.



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 sewer is currently available to approximately 54 percent of the county's households based on 2010 census counts. Over the next ten years approximately 19,160 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 6.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Menifee County Fiscal Court	1	$1,459,000	-	-	-	-	6.00
Montgomery County Sanitation District #2	10	$1,960,589	-	6,534	-	2.00	-
Mount Sterling Water and Sewer	14	$1,308,750	-	12,626	-	1.00	-
Totals:	**25**	**$4,728,339**	**-**	**19,160**	**-**	**3.00**	**6.00**

Public Wastewater Systems in Montgomery County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0069736	Montgomery County Sanitation Dist #2	Montgomery	1,844	822
KY0104400	Mount Sterling Water and Sewer	Montgomery	11,922	5,499
		Totals:	13,766	6,321

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MONTGOMERY COUNTY
Kentucky

Prepared By:
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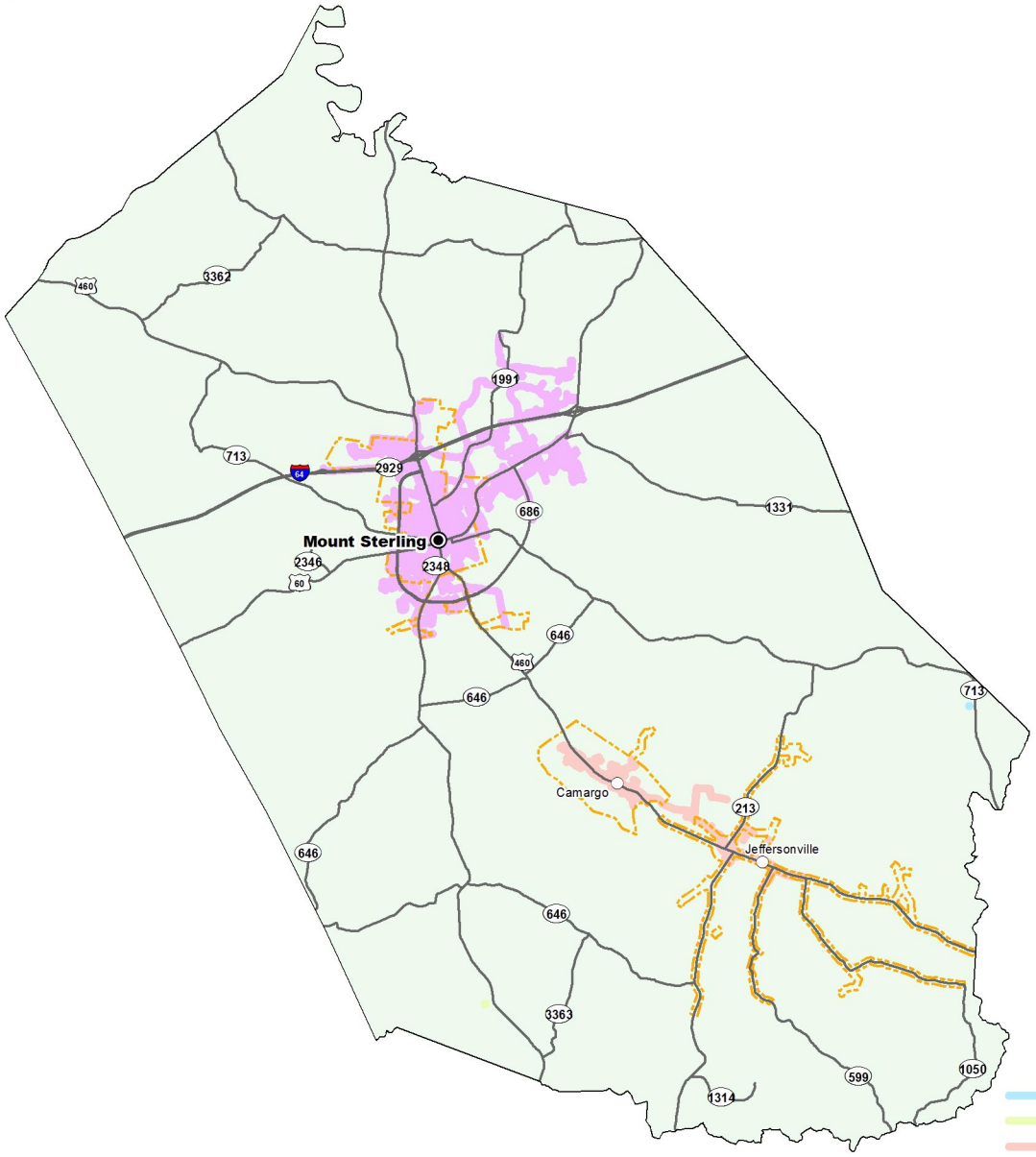
March, 2013

Water Resource Information System



System Summary for Montgomery County Sanitation Dist #2

Permit ID	KY0069736	Treats Wastewater	Yes, 0.28 MGD with 0.141 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	655
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.26	Total KISOP Treated (MG)	-
Residential Customers	621	Total Treated (MG)	51.282
Commercial Customers	33	Number of Manholes	264
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	1	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 19.09 miles (Collection: 17.56 miles, Interceptors: 1.53 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Montgomery County Sanitation Dist #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21165010	System Improvements Project	0-2 Years	Not Funded	$1,459,000	Menifee	3	1
SX21173034	Montgomery County Sanitation District No. 2 Pump Station Upgrade 11 and 15	3-5 Years	Not Funded	$510,000	Montgomery	17	1
SX21173066	Montgomery County Sanitation Dist #2 Boom and Clarifier Weirs Replacement Project	3-5 Years	Not Funded	$75,000	Montgomery	20	2
SX21173033	Montgomery County Sanitation District No. 2 Head Works Screen Project	3-5 Years	Not Funded	$200,000	Montgomery	21	3
SX21173024	Montgomery County Sanitation District No. 2 Pump Station No. 5 Project	3-5 Years	Not Funded	$267,000	Montgomery	22	4
SX21173010	Montgomery Co. Sanitation Dist.#2 Lift Station and Line Upgrade	3-5 Years	Not Funded	$464,000	Montgomery	23	5
SX21173063	Montgomery County Sanitation District No. 2 Sludge Holding Tank	6-10 Years	Not Funded	$170,089	Montgomery	26	6
SX21173068	Portable Emergency Generator Project	3-5 Years	Not Funded	$60,000	Montgomery	39	15
SX21173046	Montgomery County Sanitation District Upgrade Chlorine Room At WWTP	0-2 Years	Not Funded	$14,500	Montgomery	47	21
SX21173048	Montgomery County Sanitation District No. 2 Phosphate Reduction	3-5 Years	Not Funded	$100,000	Montgomery	48	22
SX21173062	Montgomery County Sanitation District No. 2 Combo Vac Truck Project	6-10 Years	Not Funded	$100,000	Montgomery	52	26

System Summary for Mount Sterling Water and Sewer

Permit ID	KY0104400	Treats Wastewater	Yes, 3 MGD with 2.108 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,842
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	33	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.65	Total KISOP Treated (MG)	-
Residential Customers	4,222	Total Treated (MG)	839.759
Commercial Customers	578	Number of Manholes	1971
Institutional Customers	12	Number of Lift Stations	16
Industrial Customers	30	Percent Lines 20 yrs or Older	55%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed

Total Collection System Line Length = 94.77 miles (Collection: 90.50 miles, Interceptors: 4.27 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21173023	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	$275,000	Montgomery	30	8
SX21173070	Levee Road/By-Pass Sewer Sewer Line Replacement	0-2 Years	Not Funded	$20,000	Montgomery	31	9
SX21173073	Kennedy Court Sanitary Sewer Replacement	0-2 Years	Not Funded	$19,500	Montgomery	34	11
SX21173072	East High Street Sanitary Sewer Replacement	0-2 Years	Not Funded	$70,000	Montgomery	36	12
SX21173071	West High Street Sanitary Sewer Replacement	0-2 Years	Not Funded	$70,000	Montgomery	37	13
SX21173074	Spring Street Sanitary Sewer Replacement	0-2 Years	Not Funded	$74,250	Montgomery	38	14
SX21173027	Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	40	16
SX21173051	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	41	17
SX21173053	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	42	18
SX21173054	Mt. Sterling Water & Sewer LMS Lift Station Elimination	3-5 Years	Not Funded	$100,000	Montgomery	43	19
SX21173017	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	$75,000	Montgomery	46	20
SX21173015	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	6-10 Years	Not Funded	$75,000	Montgomery	49	23
SX21173049	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade	6-10 Years	Not Funded	$100,000	Montgomery	50	24
SX21173050	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	6-10 Years	Not Funded	$175,000	Montgomery	51	25

Morgan County

- 2010 census population of 13,923 (5,830 households) with 15% serviceable.
- Projected 2020 population of 14,023 (change of 100).
- Morgan County has 36.63 miles of existing sewer lines.
- 15.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,412,940.
- 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 sewer is currently available to approximately 15 percent of the county's households based on 2010 census counts. Over the next ten years approximately 515 serviceable households will be added through the construction of 15.00 miles of sewer line extensions and approximately 100 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of West Liberty	2	$3,857,940	400	100	7.00	1.00	-
Wolfe County Sanitation District	1	$3,555,000	115	-	8.00	-	-
Totals:	**3**	**$7,412,940**	**515**	**100**	**15.00**	**1.00**	**-**

Public Wastewater Systems in Morgan County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0089567	City of West Liberty	Morgan	3,679	899
		Totals:	3,679	899

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MORGAN COUNTY
Kentucky

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March, 2013

System Summary for City of West Liberty

Permit ID	KY0089567	Treats Wastewater	Yes, 0.85 MGD with 0.479 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	637
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.00	Total KISOP Treated (MG)	-
Residential Customers	495	Total Treated (MG)	174.835
Commercial Customers	115	Number of Manholes	312
Institutional Customers	24	Number of Lift Stations	20
Industrial Customers	3	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 36.29 miles (Collection: 35.89 miles, Interceptors: 0.40 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21237005	Hazel Green Wastewater Collection System	3-5 Years	Not Funded	$3,555,000	Wolfe	1	1
SX21175013	City of West Liberty Liberty Road Sewer Extension	3-5 Years	Not Funded	$3,257,940	Morgan	2	1
SX21175010	City of West Liberty System Sewer Line Replacement Project	3-5 Years	Not Funded	$600,000	Morgan	25	2

System Summary for Mountain Honey Farm

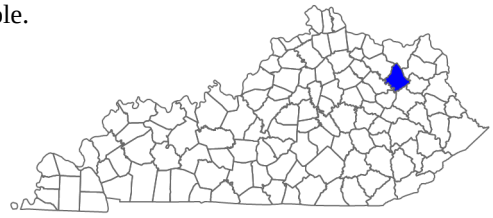
Permit ID	175115968	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mountain Honey Farm

Rowan County

- 2010 census population of 23,333 (10,102 households) with 59% serviceable.
- Projected 2020 population of 24,708 (change of 1,375).
- Rowan County has 166.26 miles of existing sewer lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,046,000.
- Estimated funding needs for projects from 6 to 10 years: $1,500,000.



Rowan County has a 2010 census population count of 23,333 (10,102 households) with a projected 2020 population count of 24,708 (9,546 households). Public sewer is currently available to approximately 59 percent of the county's households based on 2010 census counts. Over the next ten years approximately 211 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 12,542 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Morehead	2	$4,971,000	197	1,369	10.00	-	3.00
Morehead Utility Plant Board	5	$2,575,000	14	11,173	1.00	3.00	-
Totals:	**7**	**$7,546,000**	**211**	**12,542**	**11.00**	**3.00**	**3.00**

Public Wastewater Systems in Rowan County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0052752	Morehead Utility Plant Board	Rowan	14,030	5,973
		Totals:	14,030	5,973

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ROWAN COUNTY
Kentucky

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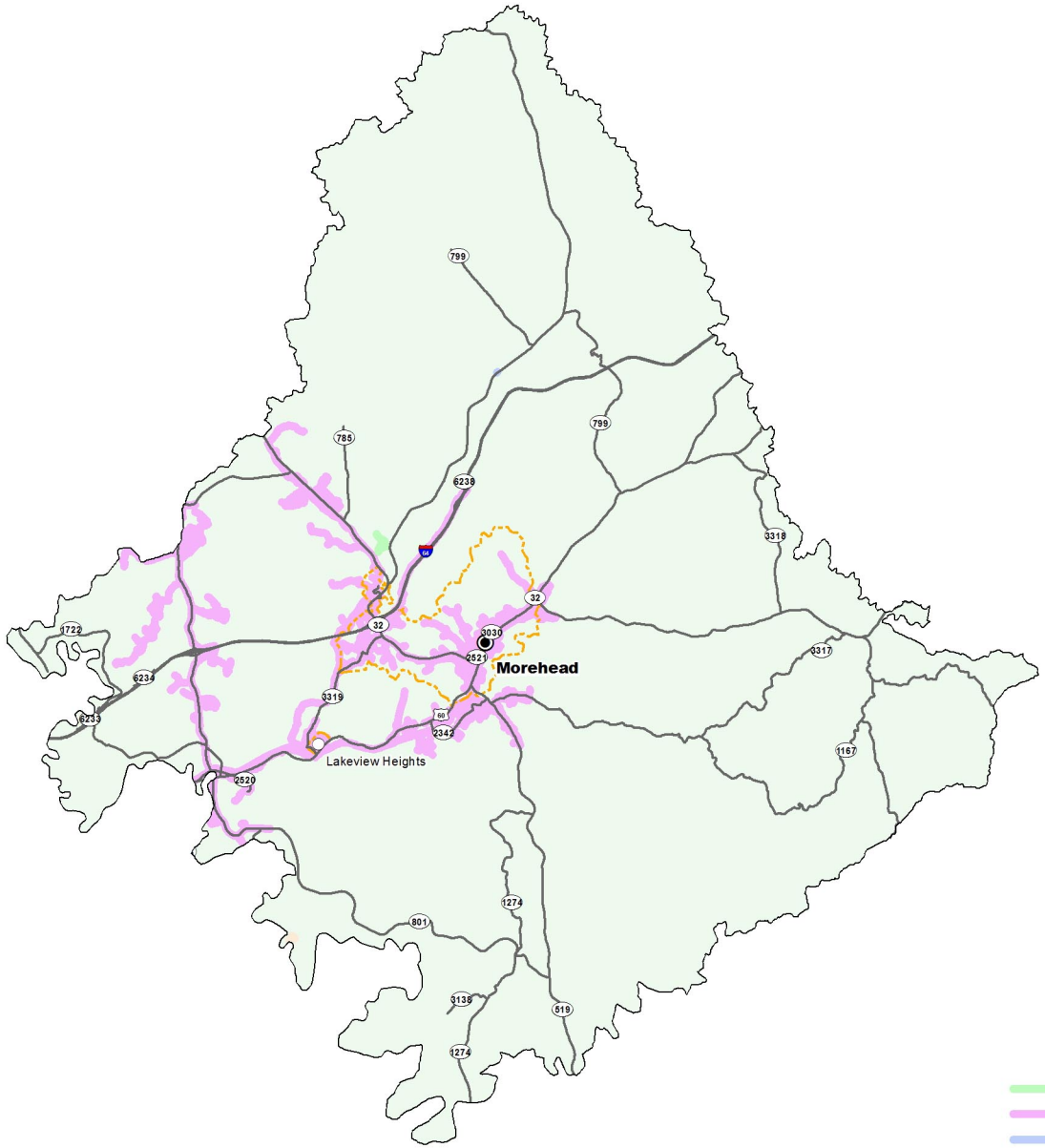
March, 2013



System Summary for Morehead Utility Plant Board

Permit ID	KY0052752	Treats Wastewater	Yes, 5 MGD with 2.595 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,795
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	47	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.40	Total KISOP Treated (MG)	-
Residential Customers	4,997	Total Treated (MG)	1,031.125
Commercial Customers	792	Number of Manholes	2453
Institutional Customers	-	Number of Lift Stations	73
Industrial Customers	6	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed

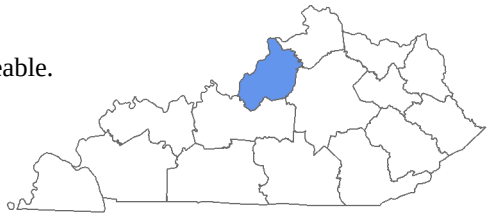
Total Collection System Line Length = 191.61 miles (Collection: 182.69 miles, Interceptors: 8.93 miles).

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
SX21205029	Sunnybrook Development Sewer Line Extension	0-2 Years	Not Funded	$1,300,000	Rowan	4	1
SX21205037	US 60 West and KY 801 SSO Correction Project	0-2 Years	Not Funded	$3,671,000	Rowan	5	2
SX21205033	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sewer	3-5 Years	Not Funded	$500,000	Rowan	16	3
SX21205035	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	$200,000	Rowan	19	4
SX21205041	Morehead Utility Plant Board US 60 Sewer Line Rehab	6-10 Years	Not Funded	$1,500,000	Rowan	29	5
SX21205039	Morehead Utility Plant Board Lift Station No. 7 Rehab	3-5 Years	Not Funded	$125,000	Rowan	32	6
SX21205031	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	$250,000	Rowan	35	7

Kentuckiana Regional Planning and Development Agency (KIPDA)



- 2010 census population of 959,091 (421,502 households) with 89% serviceable.
- Projected 2020 population of 1,058,343 (change of 99,252).
- 4,108.20 miles of existing sewer lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 26.00 miles of line rehabilitation proposed in the next 10 years.
- 13.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $130,386,146.
- Estimated funding needs for projects from 6 to 10 years: $19,225,601.
- Average age of wastewater treatment plants is 32 years.
- Total number of interconnected systems is 1.
- 456 miles of sewer lines less than 15 years old.
- 1,232 miles of sewer lines between 15 and 30 years old.
- 1,150 miles of sewer lines between 31 and 50 years old.
- 719 miles of sewer lines between 51 and 70 years old.
- 527 miles of sewer lines greater than 70 years old.

Kentuckiana Regional Planning and Development Agency has a 2010 census population count of 959,091 (421,502 households) with a projected 2020 population count of 1,058,343 (437,016 households). Public sewer is currently available to approximately 89 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,388 serviceable households will be added through the construction of 22.00 miles of sewer line extensions and approximately 6,257 instances of improved service through the rehabilitation of 26.00 miles of existing sewer lines and other appurtenances. 13.00 miles of interceptor lines are also proposed within this district.

County Summary for Kentuckiana Regional Planning and Development Agency

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bullitt	74,319	29,318	88,508	34,970	17,055	58%	$ 8,932,390
Henry	15,416	6,640	15,915	6,405	2,362	36%	$ 5,852,926
Jefferson	741,096	337,616	793,817	336,744	332,076	98%	$ 74,921,500
Oldham	60,316	20,688	74,990	26,354	11,749	57%	$ 49,935,668
Shelby	42,074	16,606	51,944	19,663	8,604	52%	$ 5,349,263
Spencer	17,061	6,704	23,655	9,025	737	11%	$ 1,650,000
Trimble	8,809	3,930	9,514	3,855	935	24%	$ 2,970,000
Totals	**959,091**	**421,502**	**1,058,343**	**437,016**	**373,518**	**89%**	**$ 149,611,747**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

KIPDA

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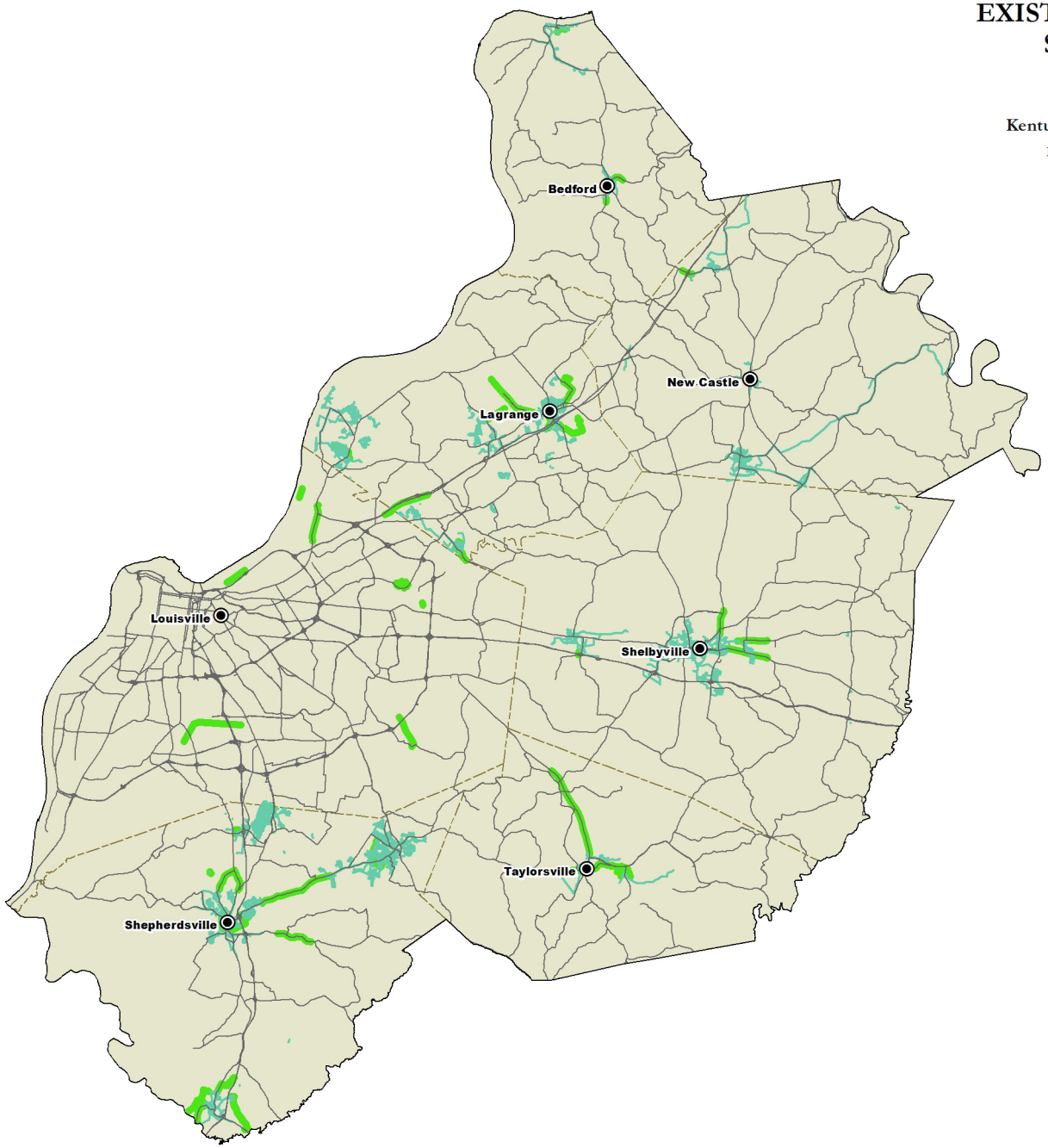


Public Sewer Systems in the Kentuckiana Regional Planning and Development Agency

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

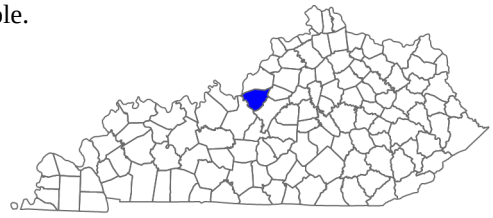
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0034151	Bullitt County Sanitation District - BCSD Hillview #1	Bullitt	1,555	603
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	2,325	858
KY0034177	Bullitt County Sanitation District - BCSD Hillview #3	Bullitt	1,082	400
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	3,807	1,566
KY0034185	Bullitt County Sanitation District - Pioneer Village Sewer Plt #1	Bullitt	2,526	1,002
KY0094307	Bullitt County Sanitation District - Willabrook Sanitation	Bullitt	477	198
KYP000092	Hunters Hollow Subd	Bullitt	2,195	793
KY0104043	Lebanon Junction Wastewater	Bullitt	1,620	705
KY0033804	Mount Washington Water & Sewer Company	Bullitt	14,760	5,904
KY0027359	Shepherdsville Sewer	Bullitt	13,915	5,470
KY0026883	Eminence Wastewater	Henry	2,531	1,094
KY0031828	New Castle Wastewater	Henry	1,102	505
KYP000036	Pleasureville	Henry	998	441
KY0098540	Louisville & Jefferson County MSD - Cedar Creek	Jefferson	43,909	17,524
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	208,377	88,493
KY0102784	Louisville & Jefferson County MSD - Floyds Fork	Jefferson	24,271	9,843
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	34,626	14,558
KY0022411	Louisville & Jefferson County MSD - Morris Forman	Jefferson	420,958	202,893
KY0020001	Lagrange Utilities Commission	Oldham	8,513	3,352
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	3,344	1,182
KY0060577	Oldham County Environmental Authority - Country Village	Oldham	543	207
KY0039870	Oldham County Environmental Authority - Lakewood Valley STP	Oldham	765	271
KY0054674	Oldham County Environmental Authority - Lockwood Estates Subdivision	Oldham	289	109
KY0076813	Oldham County Environmental Authority - Mockingbird Valley	Oldham	140	43
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	8,040	2,727
KY0033821	Oldham County Environmental Authority - Orchard Grass	Oldham	2,894	977
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	853	342
KY0078026	Oldham Woods Subdivision	Oldham	143	52
KY0090107	Paramont Estates Homeowners Association	Oldham	322	108
KY0020427	Shelbyville Municipal Water & Sewer Commission	Shelby	18,714	7,506
KY0065889	Simpsonville Wastewater	Shelby	2,645	1,057
KY0028142	Taylorsville Wastewater	Spencer	1,542	717
KY0069825	Bedford Wastewater	Trimble	957	418
KY0088625	Milton Wastewater	Trimble	1,055	517
		Totals:	831,793	372,435

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029029	Shepherdsville-Blue Lick Stormwater Project	3-5 Years	Not Funded	$1,996,250	Bullitt	1	
SX21185059	Pump Stations and Interceptor Sewer Upgrade	0-2 Years	Not Funded	$2,020,500	Oldham	2	
SX21103011	Pleasureville Wastewater Capacity Upgrade	3-5 Years	Not Funded	$150,000	Henry	3	
SX21211017	Shelby County Cooperative Extension Office	0-2 Years	Not Funded	$469,263	Shelby	4	
SX21223013	Wastewater System Improvements	0-2 Years	Not Funded	$1,500,000	Trimble	5	
SX21111101	Hite Creek Water Quality Treatment Center	0-2 Years	Not Funded	$24,840,000	Jefferson	6	
SX21029015	Pioneer Village Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	$3,000,000	Bullitt	7	
SX21185051	OCEA Lift Station Rehab, Renovation, and Replacement	0-2 Years	Not Funded	$2,944,345	Oldham	8	
SX21103014	I-71 Exit 34 Sewer Extension	0-2 Years	Not Funded	$303,479	Henry	9	
SX21211008	Eminence Pike Gravity Sewers	3-5 Years	Not Funded	$2,380,000	Shelby	10	
SX21185032	Kentucky State Reformatory - Rehab Phase I	0-2 Years	Not Funded	$2,751,300	Oldham	11	
SX21223011	City of Milton - I/I Mitigation	3-5 Years	Not Funded	$350,000	Trimble	12	
SX21103004	City of Eminence - Sanitary Sewer Evaluation Study (SSES) & Rehabilitation	3-5 Years	Not Funded	$150,000	Henry	13	
SX21223010	Collection System Improvements & I/I Mitigation	6-10 Years	Not Funded	$370,000	Trimble	14	
			Total Cost:	**$43,225,137**			

Bullitt County

- 2010 census population of 74,319 (29,318 households) with 58% serviceable.
- Projected 2020 population of 88,508 (change of 14,189).
- Bullitt County has 242.13 miles of existing sewer lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,432,390.
- Estimated funding needs for projects from 6 to 10 years: $500,000.



Bullitt County has a 2010 census population count of 74,319 (29,318 households) with a projected 2020 population count of 88,508 (34,970 households). Public sewer is currently available to approximately 58 percent of the county's households based on 2010 census counts. Over the next ten years approximately 212 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 899 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Bullitt County Fiscal Court	1	$60,000	-	-	-	-	-
Bullitt County Sanitation District	2	$3,950,000	60	-	1.00	-	-
City of Lebanon Junction	4	$1,926,140	152	-	5.00	-	-
City of Shepherdsville	3	$2,996,250	-	899	-	3.00	1.00
Totals:	**10**	**$8,932,390**	**212**	**899**	**6.00**	**3.00**	**1.00**

Public Wastewater Systems in Bullitt County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0034151	Bullitt County Sanitation District - BCSD Hillview #1	Bullitt	1,231	473
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	2,078	769
KY0034177	Bullitt County Sanitation District - BCSD Hillview #3	Bullitt	1,082	400
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	3,256	1,299
KY0034185	Bullitt County Sanitation District - Pioneer Village Sewer Plt #1	Bullitt	2,526	1,002
KY0094307	Bullitt County Sanitation District - Willabrook Sanitation	Bullitt	477	198
KYP000092	Hunters Hollow Subd	Bullitt	2,167	782
KY0104043	Lebanon Junction Wastewater	Bullitt	1,620	705
KY0033804	Mount Washington Water & Sewer Company	Bullitt	14,760	5,904
KY0027359	Shepherdsville Sewer	Bullitt	13,915	5,470
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	126	53
		Totals:	43,238	17,055

Kentucky Infrastructure Authority
February 15, 2018

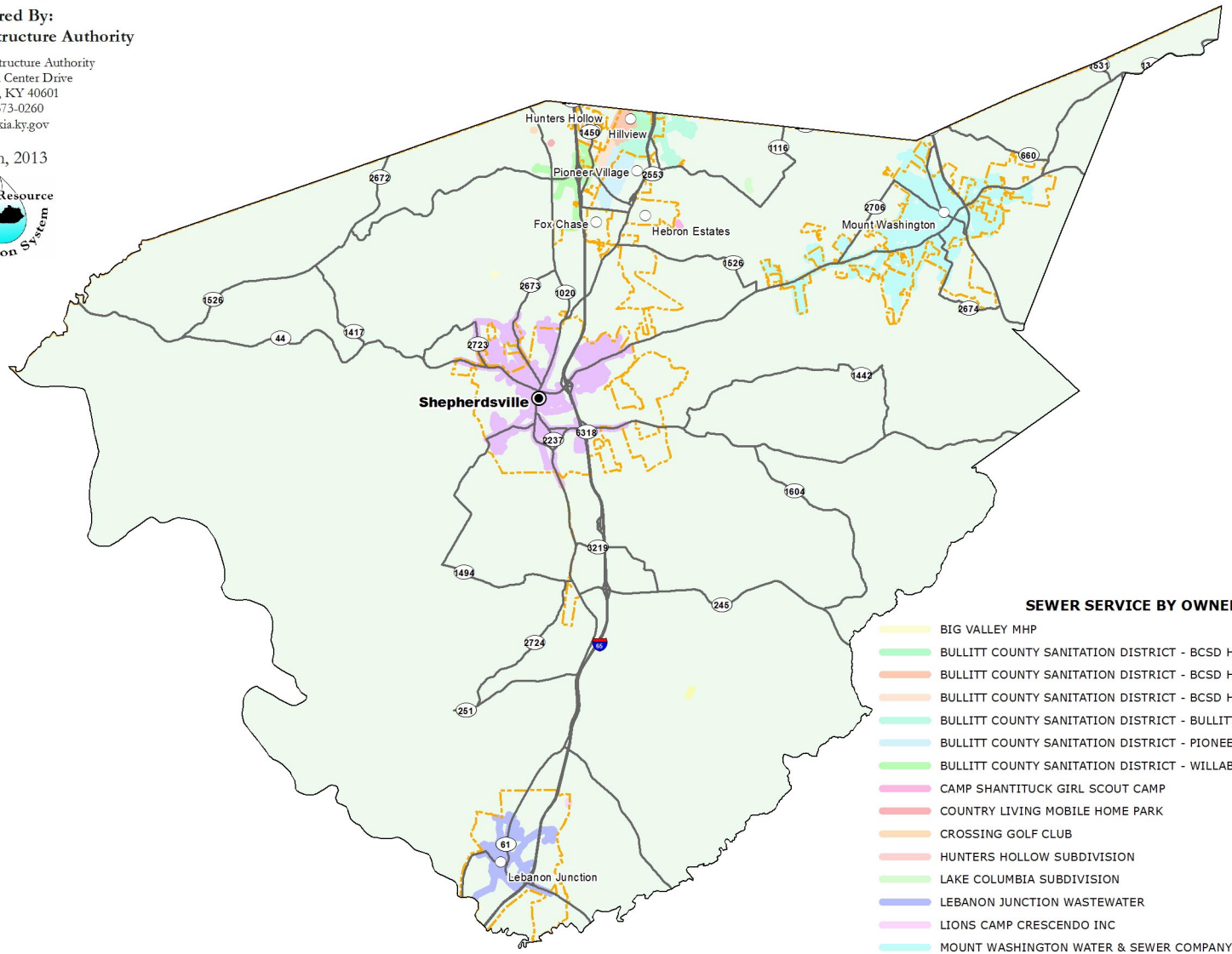
SEWER SERVICE AREAS
BULLITT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BIG VALLEY MHP
- BULLITT COUNTY SANITATION DISTRICT - BCSD HILLVIEW #1
- BULLITT COUNTY SANITATION DISTRICT - BCSD HILLVIEW #2
- BULLITT COUNTY SANITATION DISTRICT - BCSD HILLVIEW #3
- BULLITT COUNTY SANITATION DISTRICT - BULLITT HILLS SUBDIVISION
- BULLITT COUNTY SANITATION DISTRICT - PIONEER VILLAGE SEWER PLT #1
- BULLITT COUNTY SANITATION DISTRICT - WILLABROOK SANITATION
- CAMP SHANTITUCK GIRL SCOUT CAMP
- COUNTRY LIVING MOBILE HOME PARK
- CROSSING GOLF CLUB
- HUNTERS HOLLOW SUBDIVISION
- LAKE COLUMBIA SUBDIVISION
- LEBANON JUNCTION WASTEWATER
- LIONS CAMP CRESCENDO INC
- MOUNT WASHINGTON WATER & SEWER COMPANY
- OLD KY HOME SCOUT RESERVATION - HIDDEN VALLEY SCOUT CAMP
- RIEDLING BUILDING
- SHEPHERDSVILLE SEWER
- WOODLAND ACRES SANIATATION INC

System Summary for Big Valley MHP

Permit ID	KY0072168	Treats Wastewater	Yes, 0.07 MGD with 0.07 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.06 miles (Collection: 0.06 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Big Valley MHP

System Summary for Bullitt County Sanitation District - BCSD Hillview #1

Permit ID	KY0034151	Treats Wastewater	Yes, 0.2308 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,392
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.08	Total KISOP Treated (MG)	-
Residential Customers	2,337	Total Treated (MG)	-
Commercial Customers	47	Number of Manholes	700
Institutional Customers	5	Number of Lift Stations	10
Industrial Customers	3	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 4.52 miles (Collection: 4.52 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - BCSD Hillview #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029015	Pioneer Village Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	$3,000,000	Bullitt	7	
SX21029021	Overdale Drive Sanitary Sewer Extension	3-5 Years	Not Funded	$950,000	Bullitt		
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - BCSD Hillview #2

Permit ID	KY0034169	Treats Wastewater	Yes, 0.32 MGD with 0.32 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	818
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.08	Total KISOP Treated (MG)	-
Residential Customers	815	Total Treated (MG)	113.880
Commercial Customers	2	Number of Manholes	121
Institutional Customers	1	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.64 miles (Collection: 6.64 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - BCSD Hillview #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - BCSD Hillview #3

Permit ID	KY0034177	Treats Wastewater	Yes, 0.148 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	422
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.08	Total KISOP Treated (MG)	-
Residential Customers	422	Total Treated (MG)	50.370
Commercial Customers	-	Number of Manholes	63
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 3.20 miles (Collection: 3.20 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - BCSD Hillview #3

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - Bullitt Hills Subdivision

Permit ID	KY0034801	Treats Wastewater	Yes, 0.35 MGD with 0.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	898
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.08	Total KISOP Treated (MG)	-
Residential Customers	880	Total Treated (MG)	83.220
Commercial Customers	17	Number of Manholes	260
Institutional Customers	1	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 12.45 miles (Collection: 12.45 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - Bullitt Hills Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - Hillview STP

Permit ID	KY0103900	Treats Wastewater	Yes, 0.15 MGD with 0.032 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.08	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	5.840
Commercial Customers	8	Number of Manholes	9
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	3	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - Hillview STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - Pioneer Village Sewer Plt #1

Permit ID	KY0034185	Treats Wastewater	Yes, 0.31 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	961
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.08	Total KISOP Treated (MG)	-
Residential Customers	961	Total Treated (MG)	95.995
Commercial Customers	2	Number of Manholes	189
Institutional Customers	1	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 8.36 miles (Collection: 8.36 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - Pioneer Village Sewer Plt #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - Willabrook Sanitation

Permit ID	KY0094307	Treats Wastewater	Yes, 0.12 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	39
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.54	Total KISOP Treated (MG)	-
Residential Customers	194	Total Treated (MG)	21.170
Commercial Customers	26	Number of Manholes	41
Institutional Customers	1	Number of Lift Stations	5
Industrial Customers	3	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.78 miles (Collection: 6.78 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bullitt County Sanitation District - Willabrook Sanitation

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Country Living Mobile Home Park

Permit ID	KY0102873	Treats Wastewater	Yes, 0.015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Country Living Mobile Home Park

System Summary for Hunters Hollow Subd

Permit ID	KYP000092	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 7.05 miles (Collection: 7.05 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Hunters Hollow Subd

System Summary for Kingswood Development Subdivision

Permit ID	KY0101419	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	119	Total Treated (MG)	11.300
Commercial Customers	-	Number of Manholes	53
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Kingswood Development Subdivision

System Summary for Lake Columbia Subdivision

Permit ID	KY0077674	Treats Wastewater	Yes, 0.012 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Lake Columbia Subdivision

System Summary for Lebanon Junction Wastewater

Permit ID	KY0104043	Treats Wastewater	Yes, 0.35 MGD with 0.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	589
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	-
Residential Customers	550	Total Treated (MG)	73.000
Commercial Customers	39	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.54 miles (Collection: 16.54 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Lebanon Junction Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029012	W. Airport Road Thru Denice Road Tie Into Main Street and Pick Up Newton Road	3-5 Years	Not Funded	$572,500	Bullitt		
SX21029011	S. Sanders Lane to Old Boston Road Picks Up Maraman Road	3-5 Years	Not Funded	$571,420	Bullitt		
SX21029013	Hwy 434 From Sweats Home to River Bridge	3-5 Years	Not Funded	$265,820	Bullitt		

System Summary for Mount Washington Water & Sewer Company

Permit ID	KY0033804	Treats Wastewater	Yes, 3.5 MGD with 1.3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,649
Owner Type	Incorporated City	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.83	Total KISOP Treated (MG)	-
Residential Customers	5,275	Total Treated (MG)	544.000
Commercial Customers	374	Number of Manholes	800
Institutional Customers	-	Number of Lift Stations	32
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 90.77 miles (Collection: 90.77 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Mount Washington Water & Sewer Company

System Summary for Riedling Building

Permit ID	KY0101885	Treats Wastewater	Yes, 0.0005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Riedling Building

System Summary for Shepherdsville Sewer

Permit ID	KY0027359	Treats Wastewater	Yes, 4.02 MGD with 2.22 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,580
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.76	Total KISOP Treated (MG)	-
Residential Customers	4,615	Total Treated (MG)	791.828
Commercial Customers	417	Number of Manholes	2600
Institutional Customers	4	Number of Lift Stations	32
Industrial Customers	2	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 87.38 miles (Collection: 76.98 miles, Interceptors: 10.40 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Shepherdsville Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029029	Shepherdsville-Blue Lick Stormwater Project	3-5 Years	Not Funded	$1,996,250	Bullitt	1	
SX21029002	Shepherdsville Sewer Rehab	3-5 Years	Not Funded	$500,000	Bullitt		
SX21029003	Cedar Grove - 480 Project	6-10 Years	Not Funded	$500,000	Bullitt		

System Summary for Whispering Oaks Manufacturing Home Community

Permit ID	KY0023078	Treats Wastewater	Yes, 0.125 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Whispering Oaks Manufacturing Home Community

System Summary for Woodland Acres Saniatation Inc

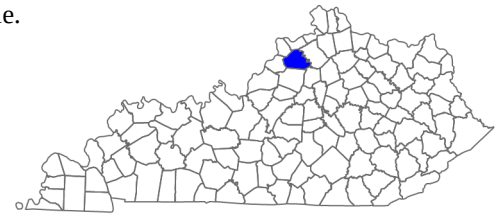
Permit ID	KY0091600	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.11 miles (Collection: 0.11 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Woodland Acres Saniatation Inc

Henry County

- 2010 census population of 15,416 (6,640 households) with 36% serviceable.
- Projected 2020 population of 15,915 (change of 499).
- Henry County has 79.61 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,852,926.
- There are no projects planned from 6 to 10 years.



Henry County has a 2010 census population count of 15,416 (6,640 households) with a projected 2020 population count of 15,915 (6,405 households). Public sewer is currently available to approximately 36 percent of the county's households based on 2010 census counts. Over the next ten years approximately 109 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 513 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 4.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Carrollton	1	$2,120,926	9	-	-	-	1.00
City of Eminence	1	$150,000	-	-	-	-	-
City of New Castle	2	$747,000	-	505	-	1.00	-
City of Pleasureville	1	$150,000	-	-	-	-	-
La Grange Utilities Commission	1	$2,685,000	100	8	1.00	-	3.00
Totals:	**6**	**$5,852,926**	**109**	**513**	**1.00**	**1.00**	**4.00**

Public Wastewater Systems in Henry County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026883	Eminence Wastewater	Henry	2,531	1,094
KY0031828	New Castle Wastewater	Henry	1,102	505
KYP000036	Pleasureville	Henry	923	408
KY0104931	Carrollton Utilities	Carroll	795	355
		Totals:	5,351	2,362

Kentucky Infrastructure Authority
February 15, 2018

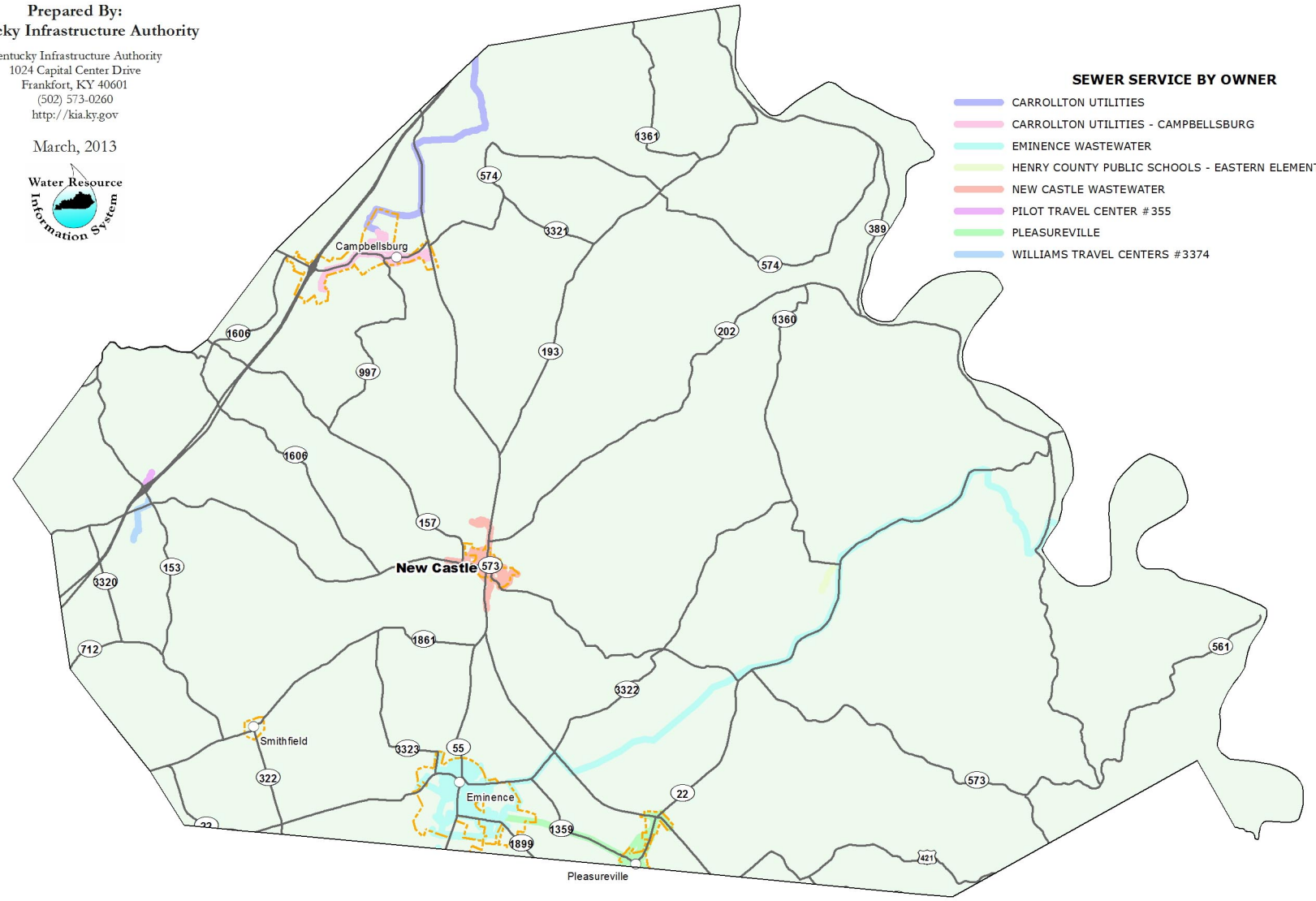
SEWER SERVICE AREAS
HENRY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Eminence Wastewater

Permit ID	KY0026883	Treats Wastewater	Yes, 0.5 MGD with 0.23 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	920
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.11	Total KISOP Treated (MG)	27.880
Residential Customers	874	Total Treated (MG)	142.244
Commercial Customers	80	Number of Manholes	424
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	4	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 44.69 miles (Collection: 36.70 miles, Interceptors: 7.99 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21103004	City of Eminence - Sanitary Sewer Evaluation Study (SSES) & Rehabilitation	3-5 Years	Not Funded	$150,000	Henry	13	

System Summary for New Castle Wastewater

Permit ID	KY0031828	Treats Wastewater	Yes, 0.29 MGD with 0.16 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	461
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.68	Total KISOP Treated (MG)	-
Residential Customers	423	Total Treated (MG)	57.800
Commercial Customers	48	Number of Manholes	75
Institutional Customers	7	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	25%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 9.22 miles (Collection: 8.74 miles, Interceptors: 0.48 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for New Castle Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21103012	City of New Castle – Phase 1 Sewer System Rehabilitation Project	0-2 Years	Partially Funded	$680,000	Henry		
SX21103010	City of New Castle - Sanitary Sewer Evaluation Study (SSES)	3-5 Years	Not Funded	$67,000	Henry		

System Summary for Pleasureville

Permit ID	KYP000036	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	342
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	6	Total KISOP Sent (MG)	27.880
Cost Per 4000 Gallons	$48.65	Total KISOP Treated (MG)	-
Residential Customers	330	Total Treated (MG)	-
Commercial Customers	6	Number of Manholes	38
Institutional Customers	6	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 11.05 miles (Collection: 8.79 miles, Interceptors: 2.26 miles).			

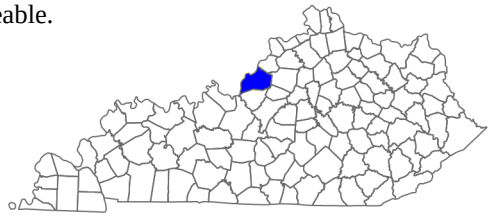
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21103011	Pleasureville Wastewater Capacity Upgrade	3-5 Years	Not Funded	$150,000	Henry	3	

Jefferson County

- 2010 census population of 741,096 (337,616 households) with 98% serviceable.
- Projected 2020 population of 793,817 (change of 52,721).
- Jefferson County has 3,401.80 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $74,921,500.
- There are no projects planned from 6 to 10 years.



Jefferson County has a 2010 census population count of 741,096 (337,616 households) with a projected 2020 population count of 793,817 (336,744 households). Public sewer is currently available to approximately 98 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,245 instances of improved service through the rehabilitation of 10.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Crestwood	1	$3,691,500	-	-	-	-	1.00
Louisville And Jefferson County Metropolitan Sewer District	12	$71,230,000	-	1,245	-	10.00	2.00
Totals:	**13**	**$74,921,500**	**-**	**1,245**	**-**	**10.00**	**3.00**

Public Wastewater Systems in Jefferson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0098540	Louisville & Jefferson County MSD - Cedar Creek	Jefferson	43,909	17,524
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	208,251	88,440
KY0102784	Louisville & Jefferson County MSD - Floyds Fork	Jefferson	24,254	9,835
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	27,802	12,042
KY0022411	Louisville & Jefferson County MSD - Morris Forman	Jefferson	420,958	202,893
KY0034151	Bullitt County Sanitation District - BCSD Hillview #1	Bullitt	324	130
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	247	89
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	551	267
KYP000092	Hunters Hollow Subd	Bullitt	28	11
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	1,672	542
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	106	42
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	620	252
		Totals:	728,722	332,067

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
JEFFERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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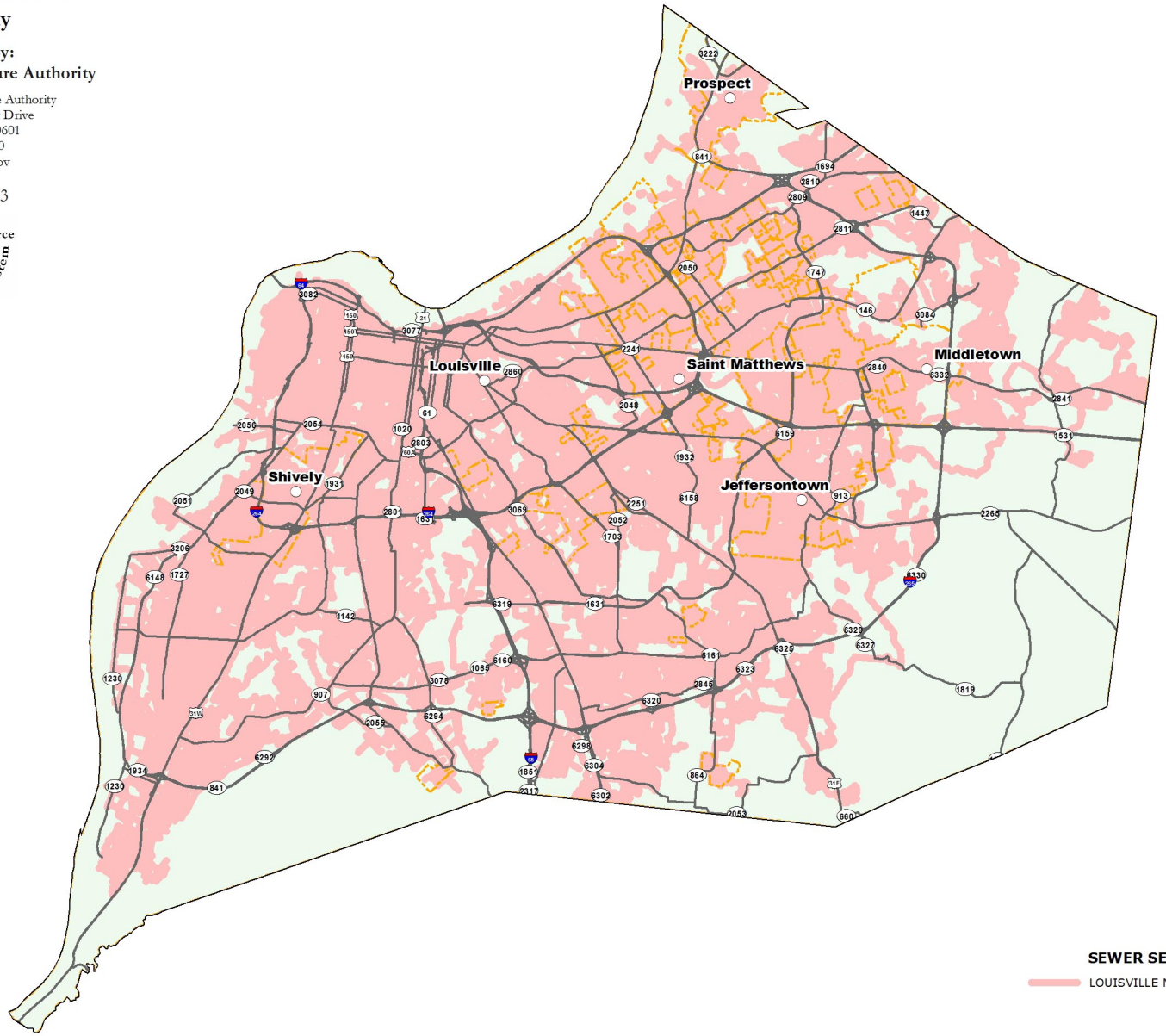
March, 2013



System Summary for Ashley Pointe Ssk Co Louisville LLC

Permit ID	KYP000089	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ashley Pointe Ssk Co Louisville LLC

System Summary for Autumn Lake MHP

Permit ID	KYP000093	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Autumn Lake MHP

System Summary for Louisville & Jefferson County MSD - Cedar Creek

Permit ID	KY0098540	Treats Wastewater	Yes, 7.5 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	605	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.80	Total KISOP Treated (MG)	-
Residential Customers	10,760	Total Treated (MG)	13,651.000
Commercial Customers	231	Number of Manholes	4652
Institutional Customers	-	Number of Lift Stations	45
Industrial Customers	-	Percent Lines 20 yrs or Older	25%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 243.01 miles (Collection: 243.01 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Louisville & Jefferson County MSD - Cedar Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21111006	Upper Middle Fork Pump Station Diversion	0-2 Years	Not Funded	$11,720,000	Jefferson		

System Summary for Louisville & Jefferson County MSD - Derek R Guthrie

Permit ID	KY0078956	Treats Wastewater	Yes, 30 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	606	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.80	Total KISOP Treated (MG)	-
Residential Customers	60,151	Total Treated (MG)	11,023.000
Commercial Customers	3,691	Number of Manholes	20392
Institutional Customers	-	Number of Lift Stations	59
Industrial Customers	23	Percent Lines 20 yrs or Older	44%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 946.20 miles (Collection: 946.20 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Louisville & Jefferson County MSD - Derek R Guthrie

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21111006	Upper Middle Fork Pump Station Diversion	0-2 Years	Not Funded	$11,720,000	Jefferson		
SX21111007	Nightingale I & I Elimination Project	0-2 Years	Not Funded	$4,870,000	Jefferson		
SX21111124	South Central East Green Infrastructure Focus Area	3-5 Years	Not Funded	$3,600,000	Jefferson		
SX21111119	Green Infrastructure Flood Control Basins Retrofit for Water Qua	3-5 Years	Not Funded	$2,400,000	Jefferson		
SX21111120	Maple Street Green Infrastructure Focus Area	3-5 Years	Not Funded	$2,200,000	Jefferson		

System Summary for Louisville & Jefferson County MSD - Floyds Fork

Permit ID	KY0102784	Treats Wastewater	Yes, 3.25 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.80	Total KISOP Treated (MG)	-
Residential Customers	7,337	Total Treated (MG)	985.500
Commercial Customers	320	Number of Manholes	4145
Institutional Customers	-	Number of Lift Stations	39
Industrial Customers	-	Percent Lines 20 yrs or Older	32%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 195.31 miles (Collection: 195.31 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Louisville & Jefferson County MSD - Floyds Fork

System Summary for Louisville & Jefferson County MSD - Hite Creek

Permit ID	KY0022420	Treats Wastewater	Yes, 6 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.80	Total KISOP Treated (MG)	-
Residential Customers	7,906	Total Treated (MG)	1,609.650
Commercial Customers	517	Number of Manholes	2524
Institutional Customers	-	Number of Lift Stations	70
Industrial Customers	5	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 220.13 miles (Collection: 220.13 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Louisville & Jefferson County MSD - Hite Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21111101	Hite Creek Water Quality Treatment Center	0-2 Years	Not Funded	$24,840,000	Jefferson	6	
SX21185039	Meadow Stream Pump Station and Force Main Expansion	3-5 Years	Partially Funded	$3,691,500	Oldham		

System Summary for Louisville & Jefferson County MSD - Morris Forman

Permit ID	KY0022411	Treats Wastewater	Yes, 120 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.80	Total KISOP Treated (MG)	-
Residential Customers	116,659	Total Treated (MG)	32,010.500
Commercial Customers	13,780	Number of Manholes	38956
Institutional Customers	-	Number of Lift Stations	118
Industrial Customers	307	Percent Lines 20 yrs or Older	86%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 1,840.89 miles (Collection: 1,840.89 miles, Interceptors: 0.00 miles).

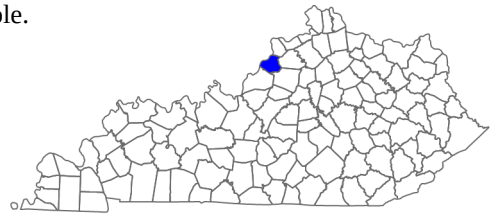
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Louisville & Jefferson County MSD - Morris Forman

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21111007	Nightingale I & I Elimination Project	0-2 Years	Not Funded	$4,870,000	Jefferson		
SX21111121	Northeast Green Infrastructure Focus Area	0-2 Years	Not Funded	$4,400,000	Jefferson		
SX21111123	Park Hill Green Infrastructure Focus Area	3-5 Years	Not Funded	$4,400,000	Jefferson		
SX21111118	Central Business District Green Infra Focus Area – Phase II	3-5 Years	Not Funded	$3,800,000	Jefferson		
SX21111117	Southwest Greenway & Parkway Green Infrastructure Focus Area	3-5 Years	Not Funded	$3,600,000	Jefferson		
SX21111124	South Central East Green Infrastructure Focus Area	3-5 Years	Not Funded	$3,600,000	Jefferson		
SX21111125	South Central West Green Infrastructure Focus Area	3-5 Years	Not Funded	$3,000,000	Jefferson		
SX21111122	Northwest Green Infrastructure Focus Area	0-2 Years	Not Funded	$2,400,000	Jefferson		
SX21111119	Green Infrastructure Flood Control Basins Retrofit for Water Qua	3-5 Years	Not Funded	$2,400,000	Jefferson		

Oldham County

- 2010 census population of 60,316 (20,688 households) with 57% serviceable.
- Projected 2020 population of 74,990 (change of 14,674).
- Oldham County has 223.63 miles of existing sewer lines.
- 8.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $32,205,067.
- Estimated funding needs for projects from 6 to 10 years: $17,730,601.



Oldham County has a 2010 census population count of 60,316 (20,688 households) with a projected 2020 population count of 74,990 (26,354 households). Public sewer is currently available to approximately 57 percent of the county's households based on 2010 census counts. Over the next ten years approximately 816 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 3,318 instances of improved service through the rehabilitation of 7.00 miles of existing sewer lines and other appurtenances. 5.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Crestwood	1	$3,691,500	-	-	-	-	2.00
La Grange Utilities Commission	6	$8,769,300	458	2,680	8.00	-	3.00
Oldham County Environmental Authority	10	$33,564,206	358	552	-	6.00	-
Oldham County Fiscal Court	4	$3,910,662	-	86	-	1.00	-
Totals:	**21**	**$49,935,668**	**816**	**3,318**	**8.00**	**7.00**	**5.00**

Public Wastewater Systems in Oldham County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020001	Lagrange Utilities Commission	Oldham	8,513	3,352
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	1,672	640
KY0060577	Oldham County Environmental Authority - Country Village	Oldham	543	207
KY0039870	Oldham County Environmental Authority - Lakewood Valley STP	Oldham	765	271
KY0054674	Oldham County Environmental Authority - Lockwood Estates Subdivision	Oldham	289	109
KY0076813	Oldham County Environmental Authority - Mockingbird Valley	Oldham	140	43
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	7,934	2,685
KY0033821	Oldham County Environmental Authority - Orchard Grass	Oldham	2,894	977
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	233	90
KY0078026	Oldham Woods Subdivision	Oldham	143	52
KY0090107	Paramont Estates Homeowners Association	Oldham	322	108
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	6,824	2,516
		Totals:	30,272	11,050

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
OLDHAM COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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1024 Capital Center Drive
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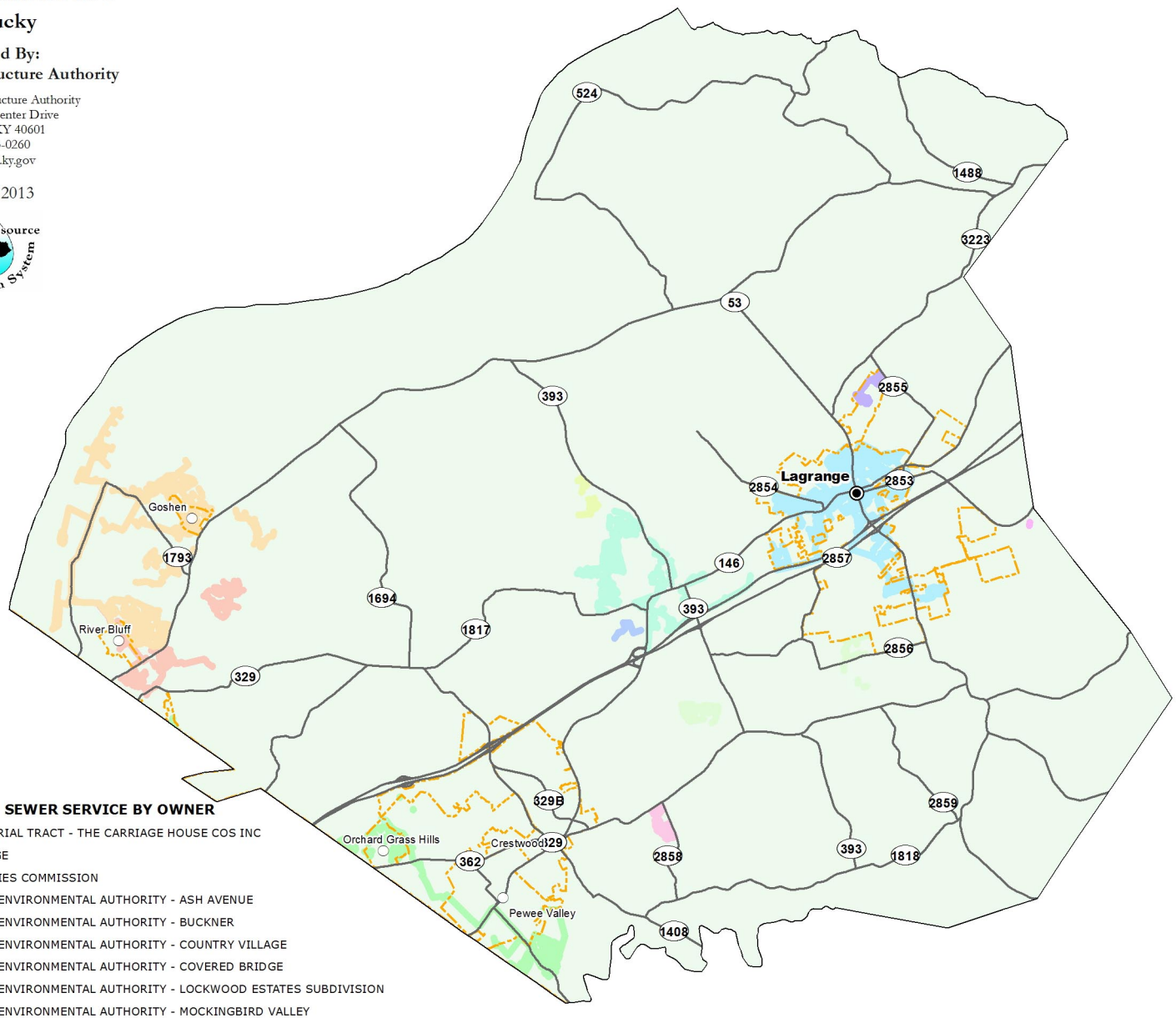
March, 2013



SEWER SERVICE BY OWNER

- BUCKNER INDUSTRIAL TRACT - THE CARRIAGE HOUSE COS INC
- CEDAR LAKE LODGE
- LAGRANGE UTILITIES COMMISSION
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - ASH AVENUE
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - BUCKNER
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - COUNTRY VILLAGE
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - COVERED BRIDGE
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - LOCKWOOD ESTATES SUBDIVISION
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - MOCKINGBIRD VALLEY
- OLDHAM COUNTY ENVIRONMENTAL AUTHORITY - OHIO RIVER
- OLDHAM WOODS SUBDIVISION

System Summary for Cherrywood Apartments

Permit ID	KY0076741	Treats Wastewater	Yes, 0.0075 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Cherrywood Apartments

System Summary for Lagrange Utilities Commission

Permit ID	KY0020001	Treats Wastewater	Yes, 0.77 MGD with 0.83 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,929
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	11	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.24	Total KISOP Treated (MG)	-
Residential Customers	2,547	Total Treated (MG)	268.320
Commercial Customers	298	Number of Manholes	1110
Institutional Customers	-	Number of Lift Stations	18
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed

Total Collection System Line Length = 50.62 miles (Collection: 50.62 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185059	Pump Stations and Interceptor Sewer Upgrade	0-2 Years	Not Funded	$2,020,500	Oldham	2	
SX21185002	Crystal Lake Gravity System	3-5 Years	Not Funded	$3,200,000	Oldham		
SX21103016	Lagrange - Pendleton Road, Exit 28 Sewer Expansion	3-5 Years	Not Funded	$2,685,000	Henry		
SX21185008	FT. Pickens/Quail Run Extension	3-5 Years	Not Funded	$475,200	Oldham		
SX21185009	Zale Smith Extensions	3-5 Years	Not Funded	$343,600	Oldham		
SX21185012	Dawkins Road Extension	3-5 Years	Not Funded	$45,000	Oldham		

System Summary for Oldham Co Environmental Authority Regional WWTP

Permit ID	KY0111716	Treats Wastewater	Yes, 1.25 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Oldham Co Environmental Authority Regional WWTP

System Summary for Oldham County Environmental Authority - Ash Avenue

Permit ID	KY0024724	Treats Wastewater	Yes, 0.3 MGD with 0.21 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	19	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	963	Total Treated (MG)	85.257
Commercial Customers	-	Number of Manholes	284
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 11.84 miles (Collection: 10.96 miles, Interceptors: 0.88 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Ash Avenue

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185048	KY 362 South	3-5 Years	Not Funded	$2,389,550	Oldham		
SX21185038	I/I Program	0-2 Years	Not Funded	$2,000,000	Oldham		
SX21185049	Ashbrooke Subdivision At Confederate Place Drive	3-5 Years	Not Funded	$633,334	Oldham		
SX21185046	KY 362 North	3-5 Years	Not Funded	$477,778	Oldham		
SX21185047	KY 362 Culvert	3-5 Years	Not Funded	$410,000	Oldham		

System Summary for Oldham County Environmental Authority - Country Village

Permit ID	KY0060577	Treats Wastewater	Yes, 0.06 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	236	Total Treated (MG)	27.731
Commercial Customers	-	Number of Manholes	67
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 2.45 miles (Collection: 2.45 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Country Village

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185040	Country Village WWTP Decommissioning	6-10 Years	Not Funded	$750,000	Oldham		

System Summary for Oldham County Environmental Authority - Lakewood Valley STP

Permit ID	KY0039870	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	238	Total Treated (MG)	20.288
Commercial Customers	-	Number of Manholes	66
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 3.06 miles (Collection: 2.61 miles, Interceptors: 0.45 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Lakewood Valley STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185018	Lakewood Valley Decommissioning and Septic Tank Removal	6-10 Years	Not Funded	$10,680,601	Oldham		

System Summary for Oldham County Environmental Authority - Lockwood Estates Subdivision

Permit ID	KY0054674	Treats Wastewater	Yes, 0.045 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	64	Total Treated (MG)	15.563
Commercial Customers	-	Number of Manholes	42
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 2.21 miles (Collection: 2.21 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Lockwood Estates Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185042	Lockwood Sewer Collection System Expansion	6-10 Years	Not Funded	$4,800,000	Oldham		
SX21185043	Lockwood WWTP Decommissioning	3-5 Years	Not Funded	$352,000	Oldham		

System Summary for Oldham County Environmental Authority - Mockingbird Valley

Permit ID	KY0076813	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	52	Total Treated (MG)	6.273
Commercial Customers	-	Number of Manholes	33
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.62 miles (Collection: 1.20 miles, Interceptors: 0.42 miles).			

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

There are no immediate projects for Oldham County Environmental Authority - Mockingbird Valley

System Summary for Oldham County Environmental Authority - Ohio River

Permit ID	KY0106143	Treats Wastewater	Yes, 1.5 MGD with 0.43 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	2,237	Total Treated (MG)	216.529
Commercial Customers	-	Number of Manholes	748
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	-	Percent Lines 20 yrs or Older	45%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 55.97 miles (Collection: 45.25 miles, Interceptors: 10.72 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Ohio River

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185051	OCEA Lift Station Rehab, Renovation, and Replacement	0-2 Years	Not Funded	$2,944,345	Oldham	8	
SX21185038	I/I Program	0-2 Years	Not Funded	$2,000,000	Oldham		
SX21185057	Covered Bridge Road Liftstation Wetwell Improvement	3-5 Years	Not Funded	$150,000	Oldham		

System Summary for Oldham County Environmental Authority - Orchard Grass

Permit ID	KY0033821	Treats Wastewater	Yes, 0.3 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	839	Total Treated (MG)	108.196
Commercial Customers	-	Number of Manholes	342
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 11.95 miles (Collection: 11.43 miles, Interceptors: 0.52 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Orchard Grass

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185024	Crestwood Area Wastewater Expansion	3-5 Years	Not Funded	$6,285,960	Oldham		

System Summary for Oldham County Environmental Authority - Torbitt & Castleman (Buckner Industrial)

Permit ID	KY0106828	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	6.096
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Oldham County Environmental Authority - Torbitt & Castleman (Buckner Industrial)

System Summary for Oldham County Environmental Authority - Willow Creek

Permit ID	KY0046264	Treats Wastewater	Yes, 0.14 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.83	Total KISOP Treated (MG)	-
Residential Customers	345	Total Treated (MG)	50.735
Commercial Customers	-	Number of Manholes	65
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 3.91 miles (Collection: 2.88 miles, Interceptors: 1.02 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Oldham County Environmental Authority - Willow Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185024	Crestwood Area Wastewater Expansion	3-5 Years	Not Funded	$6,285,960	Oldham		

System Summary for Oldham Woods Subdivision

Permit ID	KY0078026	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.86 miles (Collection: 1.86 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Oldham Woods Subdivision

System Summary for Paramont Estates Homeowners Association

Permit ID	KY0090107	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 3.29 miles (Collection: 3.29 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Paramont Estates Homeowners Association

System Summary for River Bluffs Inc Subd

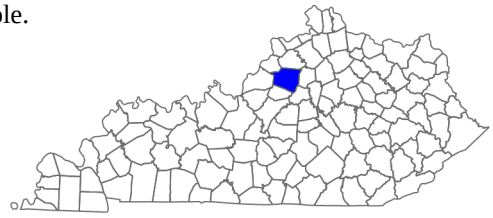
Permit ID	KY0043150	Treats Wastewater	Yes, 0.066 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.47	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for River Bluffs Inc Subd

Shelby County

- 2010 census population of 42,074 (16,606 households) with 52% serviceable.
- Projected 2020 population of 51,944 (change of 9,870).
- Shelby County has 112.19 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,349,263.
- There are no projects planned from 6 to 10 years.



Shelby County has a 2010 census population count of 42,074 (16,606 households) with a projected 2020 population count of 51,944 (19,663 households). Public sewer is currently available to approximately 52 percent of the county's households based on 2010 census counts. Over the next ten years approximately 6 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 257 instances of improved service through the rehabilitation of 4.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Shelbyville Municipal Water & Sewer Commission	3	$5,349,263	6	257	1.00	4.00	-
Totals:	**3**	**$5,349,263**	**6**	**257**	**1.00**	**4.00**	**-**

Public Wastewater Systems in Shelby County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020427	Shelbyville Municipal Water & Sewer Commission	Shelby	18,714	7,506
KY0065889	Simpsonville Wastewater	Shelby	2,645	1,057
KYP000036	Pleasureville	Henry	75	33
		Totals:	21,434	8,596

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
SHELBY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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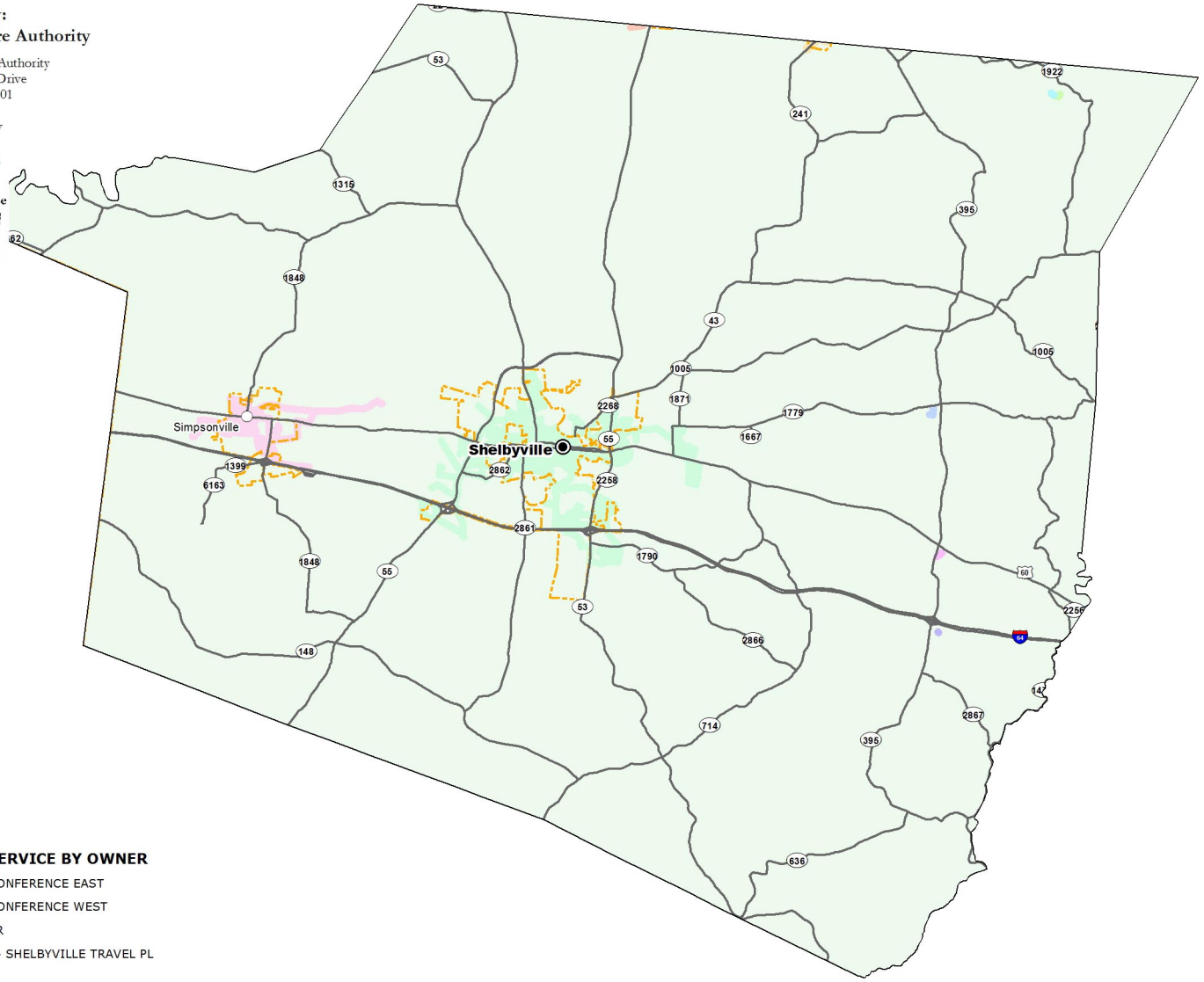
March, 2013



SEWER SERVICE BY OWNER

- CEDARMORE BAPTIST CONFERENCE EAST
- CEDARMORE BAPTIST CONFERENCE WEST
- EMINENCE WASTEWATER
- FLYING J TRUCK PLAZA - SHELBYVILLE TRAVEL PL
- PLEASUREVILLE
- SHELBY COUNTY SCHOOL DISTRICT - HERITAGE ELEMENTARY SCHOOL
- SHELBYVILLE MUNICIPAL WATER & SEWER COMMISSION
- SIMPSONVILLE WASTEWATER
- WADDY TRAVEL CENTERS LLC

System Summary for Persimmon Ridge Develop

Permit ID	KY0090956	Treats Wastewater	Yes, 0.142 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.30	Total KISOP Treated (MG)	-
Residential Customers	316	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	166
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	10%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Persimmon Ridge Develop

System Summary for Shelbyville Municipal Water & Sewer Commission

Permit ID	KY0020427	Treats Wastewater	Yes, 2.7 MGD with 2.19 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	7,117
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	23	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.49	Total KISOP Treated (MG)	-
Residential Customers	6,648	Total Treated (MG)	854.100
Commercial Customers	403	Number of Manholes	1753
Institutional Customers	28	Number of Lift Stations	25
Industrial Customers	38	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 86.10 miles (Collection: 84.41 miles, Interceptors: 1.69 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Shelbyville Municipal Water & Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21211017	Shelby County Cooperative Extension Office	0-2 Years	Not Funded	$469,263	Shelby	4	
SX21211008	Eminence Pike Gravity Sewers	3-5 Years	Not Funded	$2,380,000	Shelby	10	
SX21211009	US 60 East Gravity Sewers	3-5 Years	Not Funded	$2,500,000	Shelby		

System Summary for Simpsonville Wastewater

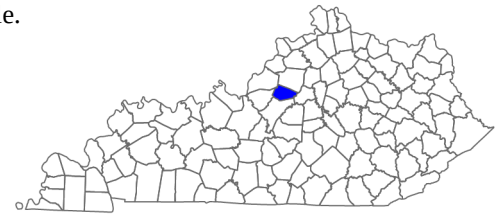
Permit ID	KY0065889	Treats Wastewater	Yes, 0.2 MGD with 0.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	836
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.00	Total KISOP Treated (MG)	-
Residential Customers	800	Total Treated (MG)	108.300
Commercial Customers	87	Number of Manholes	366
Institutional Customers	8	Number of Lift Stations	7
Industrial Customers	7	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 25.22 miles (Collection: 21.78 miles, Interceptors: 3.44 miles).			

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

There are no immediate projects for Simpsonville Wastewater

Spencer County

- 2010 census population of 17,061 (6,704 households) with 11% serviceable.
- Projected 2020 population of 23,655 (change of 6,594).
- Spencer County has 23.07 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,650,000.
- There are no projects planned from 6 to 10 years.



Spencer County has a 2010 census population count of 17,061 (6,704 households) with a projected 2020 population count of 23,655 (9,025 households). Public sewer is currently available to approximately 11 percent of the county's households based on 2010 census counts. Over the next ten years approximately 220 serviceable households will be added through the construction of 5.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
Spencer County Fiscal Court	1	$1,650,000	220	-	5.00	-	-
Totals:	**1**	**$1,650,000**	**220**	**-**	**5.00**	**-**	**-**

Public Wastewater Systems in Spencer County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028142	Taylorsville Wastewater	Spencer	1,542	717
		Totals:	1,542	717

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
SPENCER COUNTY
Kentucky

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Kentucky Infrastructure Authority

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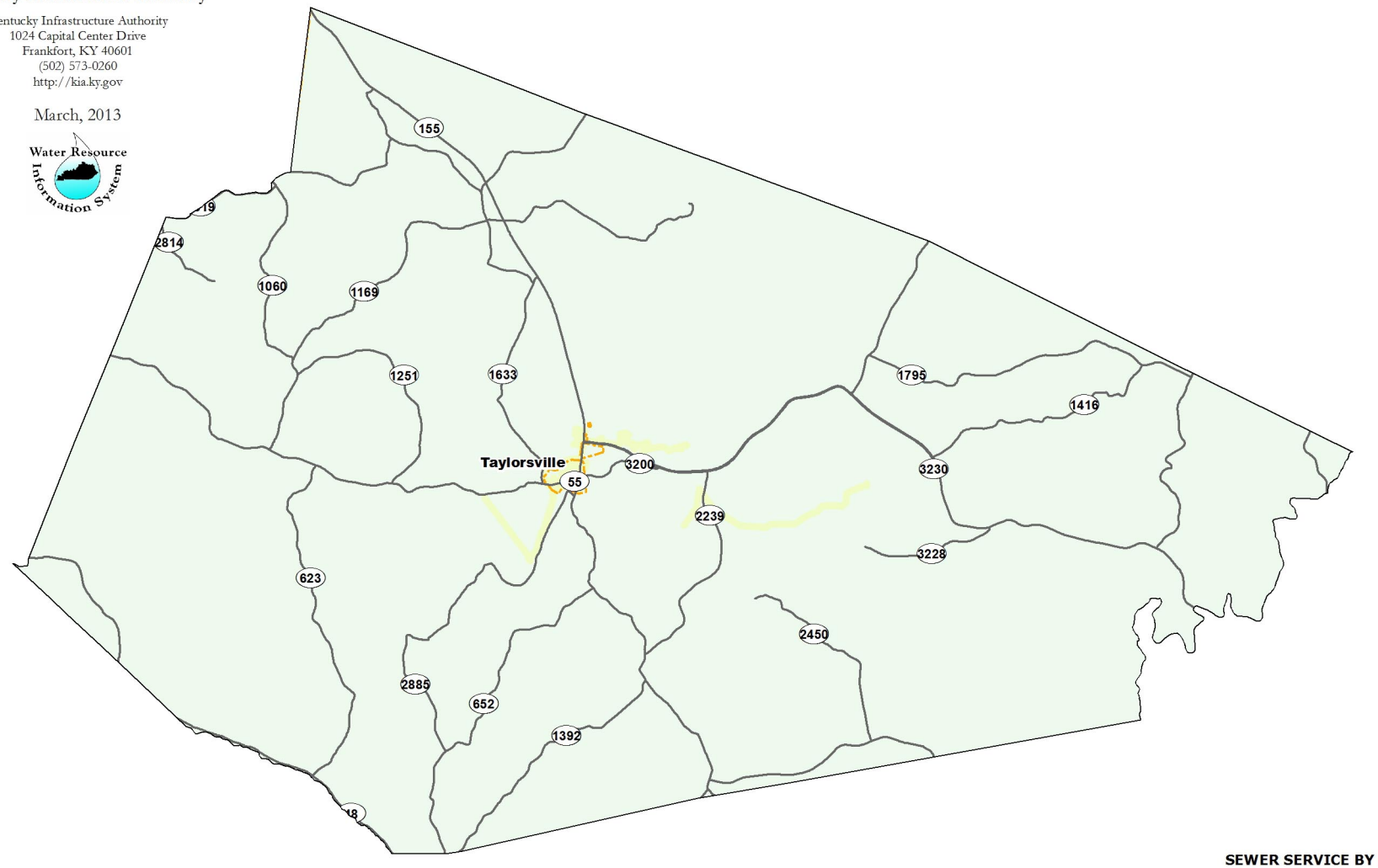
March, 2013



System Summary for Taylorsville Wastewater

Permit ID	KY0028142	Treats Wastewater	Yes, 0.2 MGD with 0.16 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	574
Owner Type	Incorporated City	KISOP Sender	No
Employees	15	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.57	Total KISOP Treated (MG)	-
Residential Customers	430	Total Treated (MG)	73.000
Commercial Customers	154	Number of Manholes	400
Institutional Customers	9	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 20.04 miles (Collection: 12.76 miles, Interceptors: 7.28 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Taylorsville Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21215004	KY Highway 155 Sanitary Sewer Force Main	3-5 Years	Not Funded	$1,650,000	Spencer		

System Summary for Top Flight Landing

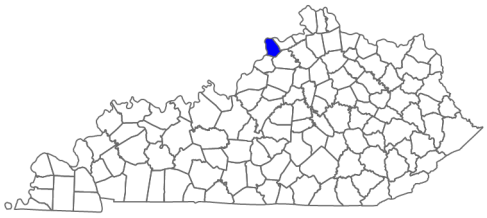
Permit ID	KY0105074	Treats Wastewater	Yes, 0.12 MGD with 0.003 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Top Flight Landing

Trimble County

- 2010 census population of 8,809 (3,930 households) with 24% serviceable.
- Projected 2020 population of 9,514 (change of 705).
- Trimble County has 25.77 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,975,000.
- Estimated funding needs for projects from 6 to 10 years: $995,000.



Trimble County has a 2010 census population count of 8,809 (3,930 households) with a projected 2020 population count of 9,514 (3,855 households). Public sewer is currently available to approximately 24 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 1.00 miles of sewer line extensions and approximately 25 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Bedford	3	$1,995,000	25	-	1.00	-	-
City of Milton	2	$975,000	-	25	-	1.00	-
Totals:	**5**	**$2,970,000**	**25**	**25**	**1.00**	**1.00**	**-**

Public Wastewater Systems in Trimble County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0069825	Bedford Wastewater	Trimble	957	418
KY0088625	Milton Wastewater	Trimble	1,055	517
		Totals:	2,012	935

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
TRIMBLE COUNTY
Kentucky

Prepared By:
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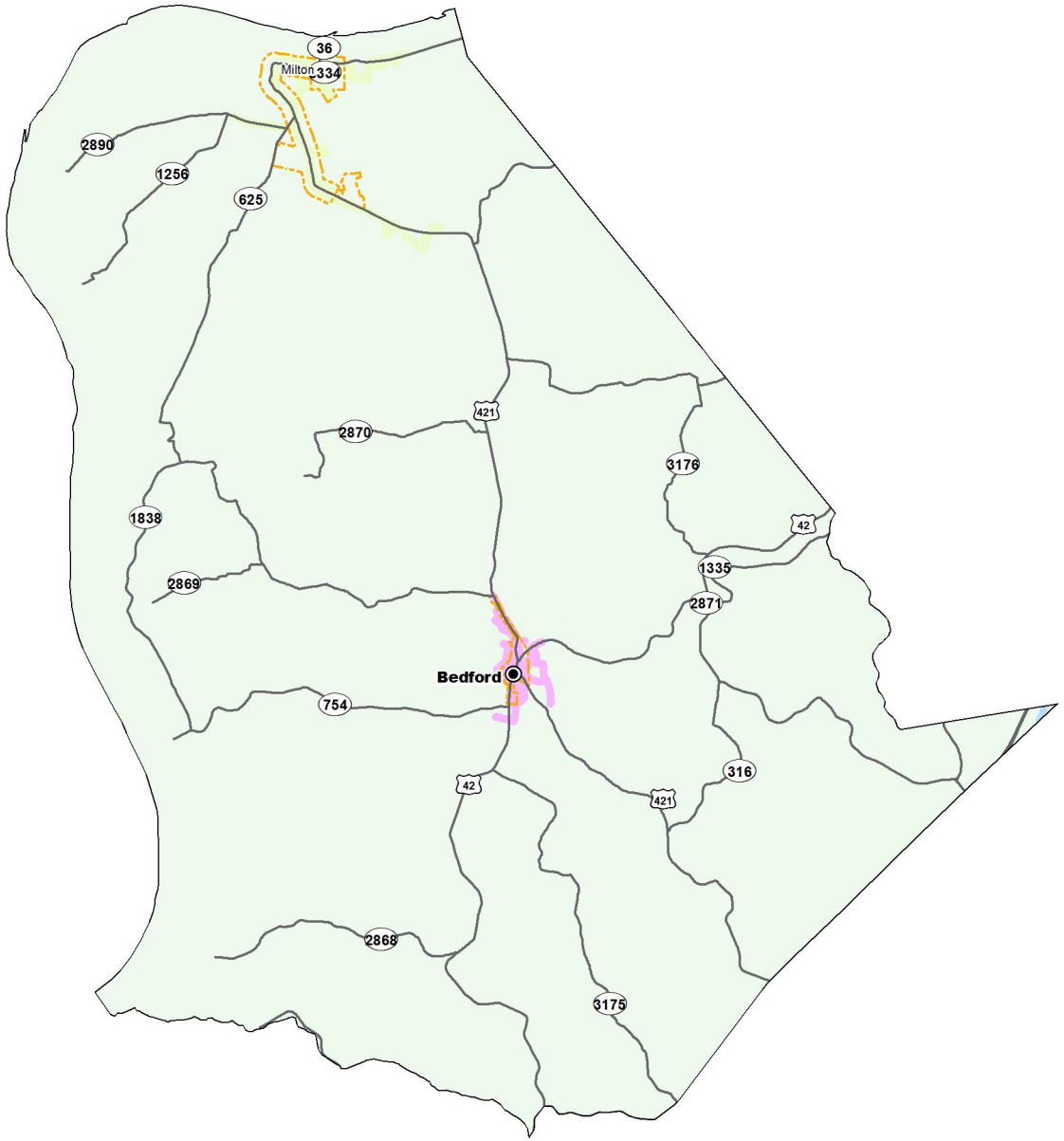
March, 2013

Water Resource Information System



System Summary for Bedford Wastewater

Permit ID	KY0069825	Treats Wastewater	Yes, 0.13 MGD with 0.18 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	320
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$44.52	Total KISOP Treated (MG)	-
Residential Customers	274	Total Treated (MG)	12.530
Commercial Customers	13	Number of Manholes	0
Institutional Customers	33	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 8.59 miles (Collection: 8.59 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bedford Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21223013	Wastewater System Improvements	0-2 Years	Not Funded	$1,500,000	Trimble	5	
SX21223010	Collection System Improvements & I/I Mitigation	6-10 Years	Not Funded	$370,000	Trimble	14	
SX21223008	Pump Station Rehabilitation	3-5 Years	Not Funded	$125,000	Trimble		

System Summary for Milton Wastewater

Permit ID	KY0088625	Treats Wastewater	Yes, 0.16 MGD with 0.105 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	442
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.75	Total KISOP Treated (MG)	-
Residential Customers	427	Total Treated (MG)	29.565
Commercial Customers	14	Number of Manholes	100
Institutional Customers	1	Number of Lift Stations	17
Industrial Customers	-	Percent Lines 20 yrs or Older	5%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.96 miles (Collection: 16.96 miles, Interceptors: 0.00 miles).			

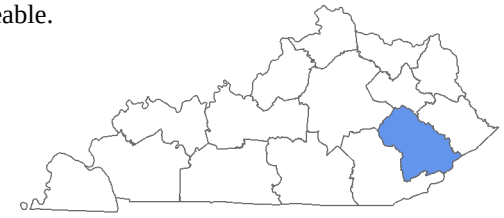
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Milton Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21223011	City of Milton - I/I Mitigation	3-5 Years	Not Funded	$350,000	Trimble	12	
SX21223012	City of Milton Main Trunk Sewers Cleaning, Televising and Repair	6-10 Years	Not Funded	$625,000	Trimble		

Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 24% serviceable.
- Projected 2020 population of 111,267 (change of -3,495).
- 298.62 miles of existing sewer lines.
- 149.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $111,596,315.
- Estimated funding needs for projects from 6 to 10 years: $7,372,000.
- Average age of wastewater treatment plants is 25 years.
- Total number of interconnected systems is 1.
- 111 miles of sewer lines less than 15 years old.
- 40 miles of sewer lines between 15 and 30 years old.
- 105 miles of sewer lines between 31 and 50 years old.
- 27 miles of sewer lines between 51 and 70 years old.
- 0 miles of sewer lines greater than 70 years old.



Kentucky River Area Development District has a 2010 census population count of 114,762 (52,786 households) with a projected 2020 population count of 111,267 (45,823 households). Public sewer is currently available to approximately 24 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,987 serviceable households will be added through the construction of 149.00 miles of sewer line extensions and approximately 17,925 instances of improved service through the rehabilitation of 17.00 miles of existing sewer lines and other appurtenances.

County Summary for Kentucky River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Breathitt	13,878	6,231	12,495	5,046	1,477	24%	$ 11,511,150
Knott	16,346	7,461	15,635	6,332	942	13%	$ 20,448,414
Lee	7,887	3,436	7,820	3,014	973	28%	$ 9,250,000
Leslie	11,310	5,278	10,603	4,377	735	14%	$ 6,535,633
Letcher	24,519	11,601	24,237	10,161	3,361	29%	$ 34,296,960
Owsley	4,755	2,328	4,704	1,971	429	18%	$ 5,271,364
Perry	28,712	12,791	28,137	11,637	4,009	31%	$ 28,099,794
Wolfe	7,355	3,660	7,636	3,285	541	15%	$ 3,555,000
Totals	**114,762**	**52,786**	**111,267**	**45,823**	**12,467**	**24%**	**$ 118,968,315**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

KRADD

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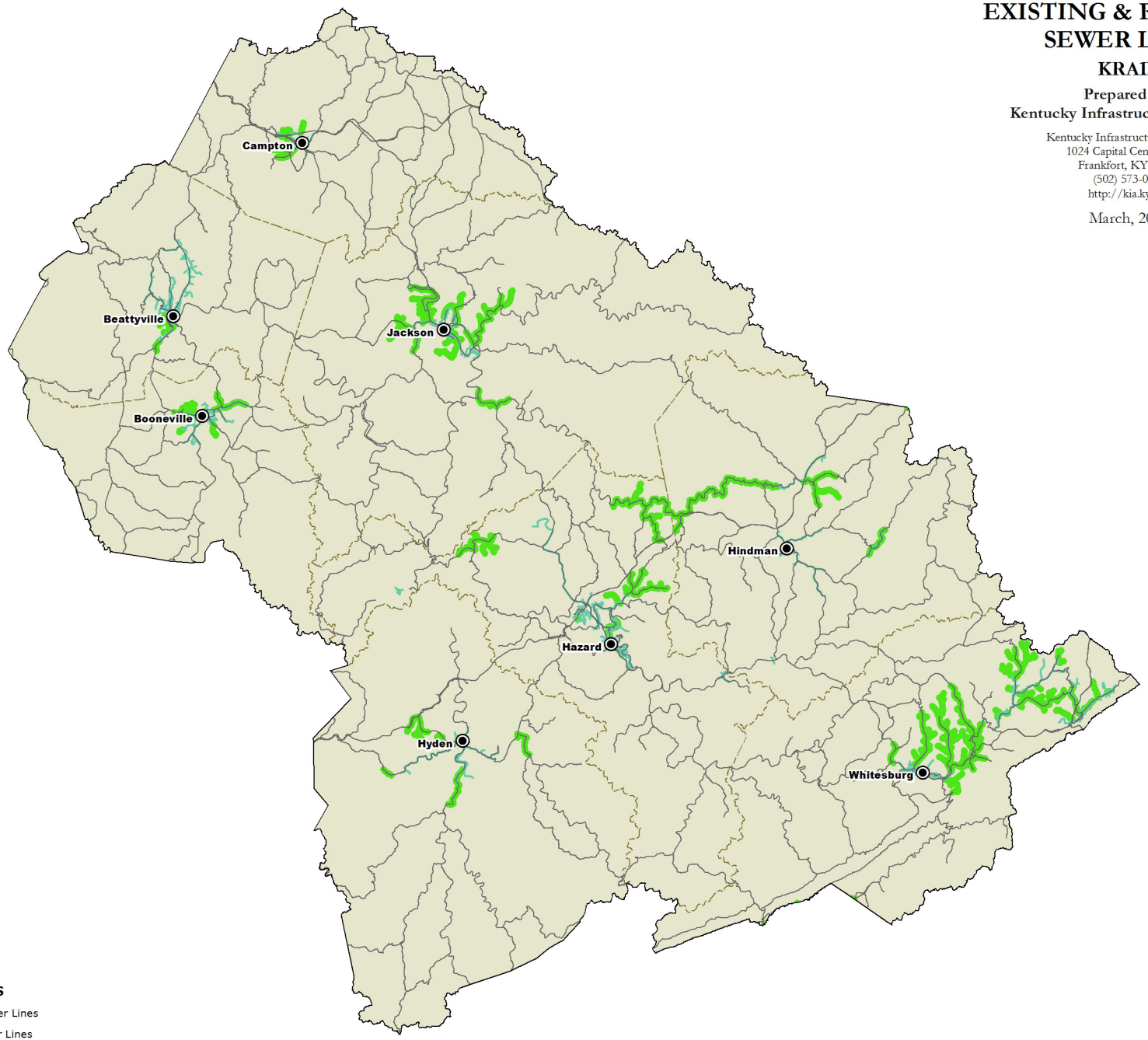
March, 2013



Public Sewer Systems in the Kentucky River Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021288	Jackson Wastewater	Breathitt	3,078	1,456
KY0107786	Perry County Sanitation District #1	Breathitt	208	91
KY0027685	Hindman Wastewater	Knott	1,381	656
KY0107956	Knott County Water and Sewer District (Ball Creek)	Knott	267	123
KY0042854	Knott County Water and Sewer District (Pippa Passes)	Knott	564	111
KY0027201	USCOE Carr Creek Lake Littcarr	Knott	23	11
KY0021121	Beattyville Wastewater	Lee	2,649	973
KY0021245	Hyden Wastewater Department	Leslie	1,595	735
KY0027405	Fleming-Neon Wastewater	Letcher	2,608	1,297
KY0038571	Jenkins Wastewater	Letcher	1,896	905
KY0103217	Letcher County Water & Sewer District - Millstone	Letcher	94	41
KY0106283	Whitesburg Wastewater	Letcher	2,400	1,118
KY0033774	Booneville Water and Sewer	Owsley	904	429
KY0020079	Hazard Wastewater	Perry	6,889	3,173
KYP000034	Perry County Sanitation District #1	Perry	1,451	606
KY0060259	Perry County Water & Sewer	Perry	431	195
KY0104728	Campton Wastewater Department	Wolfe	1,045	541
		Totals:	27,483	12,461

Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21237005	Hazel Green Wastewater Collection System	3-5 Years	Not Funded	$3,555,000	Wolfe	1	1
SX21119013	Hindman Sewer Rehabilitation	3-5 Years	Not Funded	$1,583,120	Knott	2	1
SX21131211	Hyden - Wooton Sewer Plant Project	6-10 Years	Not Funded	$4,200,000	Leslie	3	1
SX21131003	Hyden - Town Rehab Phase III	0-2 Years	Partially Funded	$565,633	Leslie	4	2
SX21193008	PCSD#1 - Chavies Wastewater Collection System - Phase 1	0-2 Years	Fully Funded	$680,000	Perry	5	1
SX21133016	Fleming-Neon WWTP Upgrade	3-5 Years	Not Funded	$4,936,000	Letcher	6	1
SX21193006	Vicco Wastewater Treatment Plant & Sewer Collection Project - Phase III	3-5 Years	Not Funded	$2,683,265	Perry	7	2
SX21131002	Hyden - Wastewater Expansion Phase II	3-5 Years	Not Funded	$500,000	Leslie	8	3
SX21025007	Lakeside Sewer Extension Project	3-5 Years	Not Funded	$552,500	Breathitt	9	1
SX21129005	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	$2,000,000	Lee	10	1
SX21129008	Prison Sewer Rehab Project	3-5 Years	Not Funded	$250,000	Lee	11	2
SX21193015	Hazard Wastewater Treatment Plant Phase II	3-5 Years	Not Funded	$773,460	Perry	12	3
SX21129004	Beattyville Sewer Rehabilitation Project	3-5 Years	Not Funded	$1,000,000	Lee	13	3
SX21025009	Jackson Sewer Rehabilitation Project	3-5 Years	Not Funded	$1,017,000	Breathitt	14	2
SX21025011	Jackson Wastewater Plant Upgrade	3-5 Years	Not Funded	$4,922,000	Breathitt	15	3
SX21133021	Sewer Lift Station Rehab	3-5 Years	Not Funded	$1,800,000	Letcher	16	2
SX21189002	Booneville Pump Station Rehab	3-5 Years	Not Funded	$291,864	Owsley	17	1
SX21189430	Booneville - Chestnut Gap Sewer Extension	3-5 Years	Not Funded	$611,000	Owsley	18	2
SX21189600	Booneville Hwy 1411 Sewer Extension	3-5 Years	Not Funded	$602,600	Owsley	19	3
SX21133020	Jenkins - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	$1,200,000	Letcher	20	3
			Total Cost:	**$33,723,442**			

Breathitt County

- 2010 census population of 13,878 (6,231 households) with 24% serviceable.
- Projected 2020 population of 12,495 (change of -1,383).
- Breathitt County has 29.10 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $11,511,150.
- There are no projects planned from 6 to 10 years.

Breathitt County has a 2010 census population count of 13,878 (6,231 households) with a projected 2020 population count of 12,495 (5,046 households). Public sewer is currently available to approximately 24 percent of the county's households based on 2010 census counts. Over the next ten years approximately 73 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 2,413 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Jackson	4	$6,930,500	18	2,413	2.00	-	-
Troublesome Creek Environmental Authority	1	$4,580,650	55	-	-	-	-
Totals:	**5**	**$11,511,150**	**73**	**2,413**	**2.00**	**-**	**-**

Public Wastewater Systems in Breathitt County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021288	Jackson Wastewater	Breathitt	3,078	1,456
KY0107786	Perry County Sanitation District #1	Breathitt	53	21
		Totals:	3,131	1,477

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BREATHITT COUNTY
Kentucky

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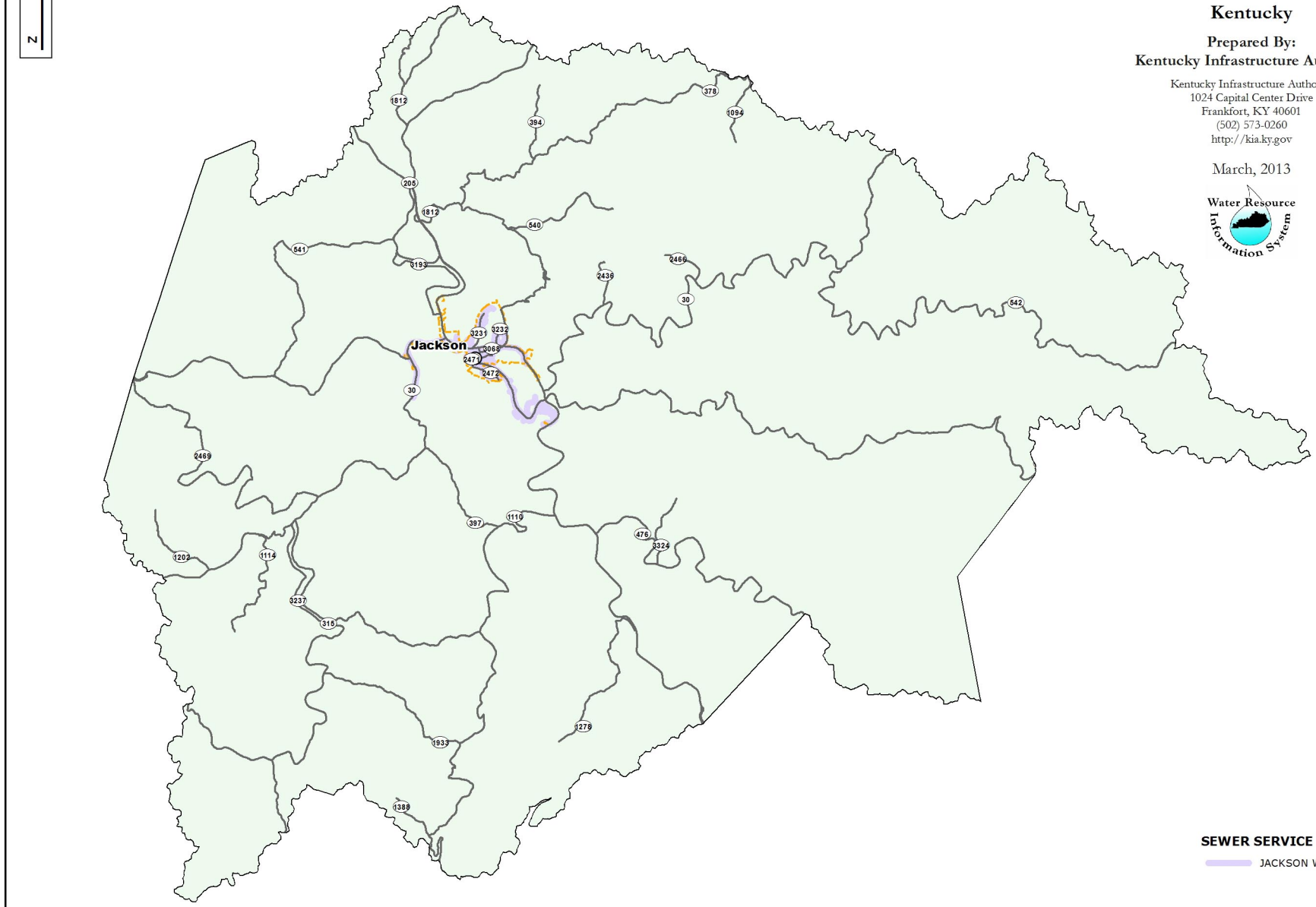

System Summary for Jackson Wastewater

Permit ID	KY0021288	Treats Wastewater	Yes, 0.75 MGD with 0.551 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,092
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.08	Total KISOP Treated (MG)	-
Residential Customers	1,092	Total Treated (MG)	200.934
Commercial Customers	92	Number of Manholes	227
Institutional Customers	-	Number of Lift Stations	26
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 27.97 miles (Collection: 27.44 miles, Interceptors: 0.53 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Jackson Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21025007	Lakeside Sewer Extension Project	3-5 Years	Not Funded	$552,500	Breathitt	9	1
SX21025009	Jackson Sewer Rehabilitation Project	3-5 Years	Not Funded	$1,017,000	Breathitt	14	2
SX21025011	Jackson Wastewater Plant Upgrade	3-5 Years	Not Funded	$4,922,000	Breathitt	15	3
SX21025012	KY 15 Sewer Extension	3-5 Years	Not Funded	$439,000	Breathitt		

System Summary for Perry County Sanitation District #1

Permit ID	KY0107786	Treats Wastewater	Yes, 0.11 MGD with 0.044 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	78
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.00	Total KISOP Treated (MG)	-
Residential Customers	78	Total Treated (MG)	1.622
Commercial Customers	-	Number of Manholes	13
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 3% Constructed

Total Collection System Line Length = 4.27 miles (Collection: 4.27 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21193013	Wendell H. Ford Airport Subdivisions Sewer System	3-5 Years	Not Funded	$4,100,000	Perry		
SX21193010	PCSD#1 - Chavies Wastewater Collection System - Phase 3	3-5 Years	Not Funded	$664,997	Perry		
SX21193009	PCSD#1 - Chavies Wastewater Collection System - Phase 2	0-2 Years	Not Funded	$625,000	Perry		
SX21193012	Chavies WW Collection System - Chavies Sch to Haddock Fork Line	3-5 Years	Not Funded	$625,000	Perry		
SX21193011	PCSD#1 - Chavies Wastewater Collection System - Phase 4	3-5 Years	Not Funded	$324,000	Perry		

Knott County

- 2010 census population of 16,346 (7,461 households) with 13% serviceable.
- Projected 2020 population of 15,635 (change of -711).
- Knott County has 25.33 miles of existing sewer lines.
- 19.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $20,448,414.
- There are no projects planned from 6 to 10 years.

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 sewer is currently available to approximately 13 percent of the county's households based on 2010 census counts. Over the next ten years approximately 438 serviceable households will be added through the construction of 19.00 miles of sewer line extensions and approximately 1,149 instances of improved service through the rehabilitation of 2.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Hindman	2	$5,849,982	-	1,000	-	-	-
Knott County Water & Sewer District	1	$3,257,400	-	149	-	2.00	-
Troublesome Creek Environmental Authority	4	$11,341,032	438	-	19.00	-	-
Totals:	**7**	**$20,448,414**	**438**	**1,149**	**19.00**	**2.00**	**-**

Public Wastewater Systems in Knott County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0027685	Hindman Wastewater	Knott	1,381	656
KY0107956	Knott County Water and Sewer District (Ball Creek)	Knott	267	123
KY0042854	Knott County Water and Sewer District (Pippa Passes)	Knott	564	111
KY0027201	USCOE Carr Creek Lake Littcarr	Knott	23	11
KY0060259	Perry County Water & Sewer	Perry	86	40
		Totals:	2,321	941

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
KNOTT COUNTY
Kentucky

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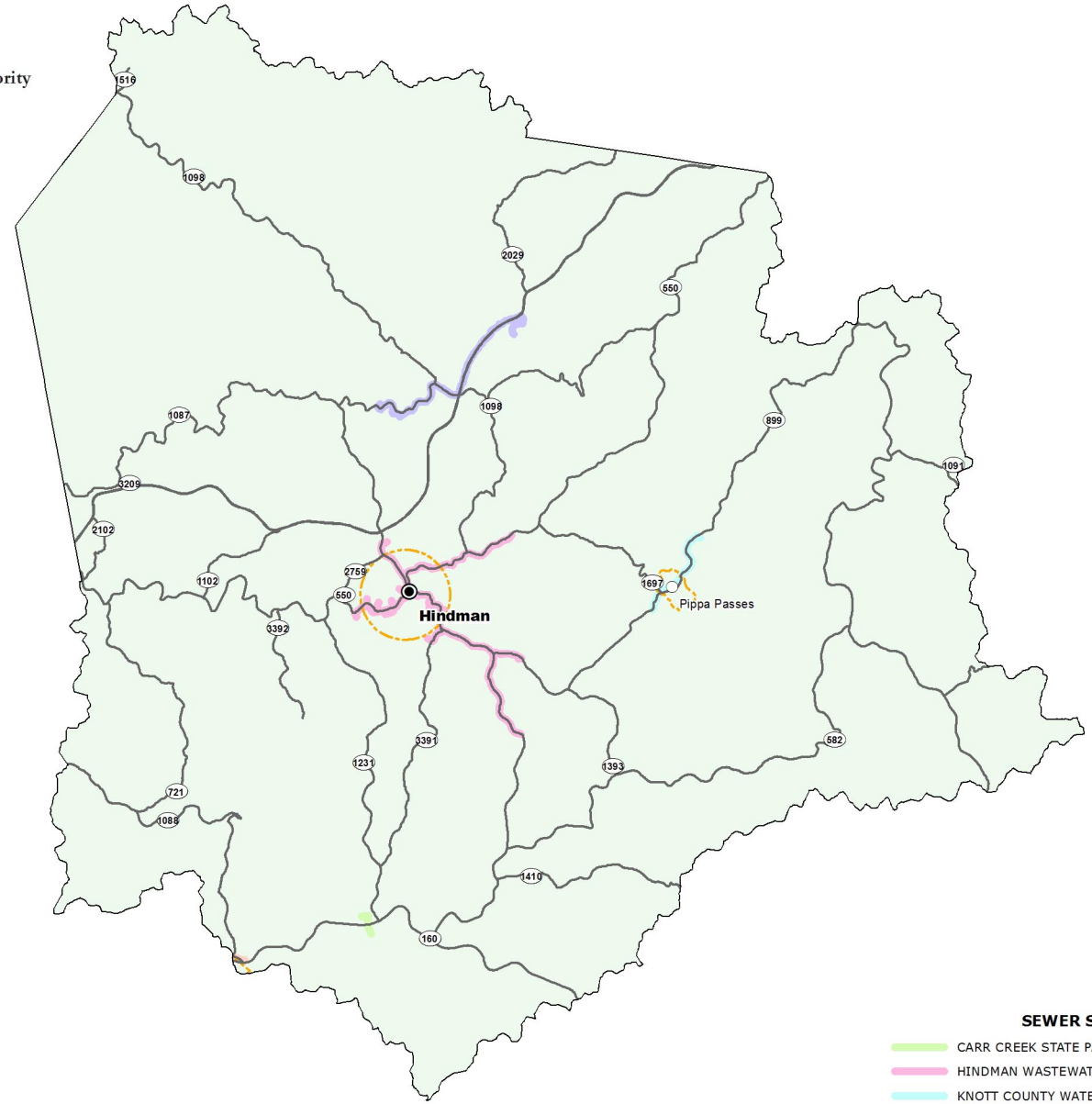
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- CARR CREEK STATE PARK
- HINDMAN WASTEWATER
- KNOTT COUNTY WATER AND SEWER DISTRICT
- TROUBLESOME CREEK ENVIRONMENTAL AUTHORITY (BALL CREEK)
- VICCO WASTEWATER

System Summary for Hindman Wastewater

Permit ID	KY0027685	Treats Wastewater	Yes, 0.12 MGD with 0.147 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	310
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$54.55	Total KISOP Treated (MG)	-
Residential Customers	310	Total Treated (MG)	53.487
Commercial Customers	-	Number of Manholes	122
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed

Total Collection System Line Length = 14.90 miles (Collection: 14.90 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Hindman Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21119013	Hindman Sewer Rehabilitation	3-5 Years	Not Funded	$1,583,120	Knott	2	1
SX21119008	Hindman Wastewater Treatment Plant	3-5 Years	Not Funded	$4,266,862	Knott		

System Summary for Jamestown Village Inc MHP

Permit ID	KY0090832	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.00	Total KISOP Treated (MG)	-
Residential Customers	75	Total Treated (MG)	0.360
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Jamestown Village Inc MHP

System Summary for Knott County Water and Sewer District (Ball Creek)

Permit ID	KY0107956	Treats Wastewater	Yes, 0.1 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	30
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.56	Total KISOP Treated (MG)	-
Residential Customers	27	Total Treated (MG)	0.182
Commercial Customers	3	Number of Manholes	5
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.19 miles (Collection: 6.19 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Knott County Water and Sewer District (Ball Creek)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21193051	TEA - Perry County WWTP and Collection Lines Project Phase I	3-5 Years	Partially Funded	$4,689,780	Perry		
SX21025030	TEA - Breathitt County WWTP and Collection Lines Phase I	3-5 Years	Partially Funded	$4,580,650	Breathitt		
SX21119007	HWY 1087 Wastewater Line Extension	3-5 Years	Not Funded	$3,937,260	Knott		
SX21119009	Ball Creek Phase III Wastewater Line Extension	3-5 Years	Not Funded	$2,640,010	Knott		
SX21193007	Homeplace Clinic Wastewater Line Extension	3-5 Years	Not Funded	$2,593,460	Perry		
SX21193020	HWY 80 Sewer Collection Project Phase III	3-5 Years	Not Funded	$2,170,302	Perry		

System Summary for Knott County Water and Sewer District (Pippa Passes)

Permit ID	KY0042854	Treats Wastewater	Yes, 0.1 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	106
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.56	Total KISOP Treated (MG)	-
Residential Customers	105	Total Treated (MG)	38.300
Commercial Customers	1	Number of Manholes	32
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.34 miles (Collection: 2.34 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Knott County Water and Sewer District (Pippa Passes)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21119012	Pippa Passes New WWTP and Sewer Line Rehabilitation Project	3-5 Years	Partially Funded	$3,257,400	Knott		

System Summary for USCOE Carr Creek Lake Littcarr

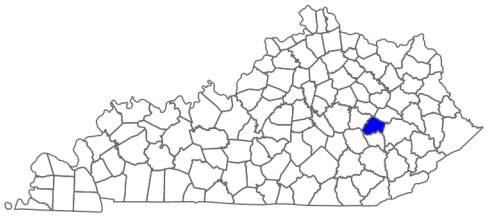
Permit ID	KY0027201	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Federal Agency	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	12
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.83 miles (Collection: 0.83 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for USCOE Carr Creek Lake Littcarr

Lee County

- 2010 census population of 7,887 (3,436 households) with 28% serviceable.
- Projected 2020 population of 7,820 (change of -67).
- Lee County has 37.56 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,250,000.
- 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 sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 181 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 3,127 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Beattyville	4	$9,250,000	181	3,127	4.00	-	-
Totals:	**4**	**$9,250,000**	**181**	**3,127**	**4.00**	**-**	**-**

Public Wastewater Systems in Lee County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021121	Beattyville Wastewater	Lee	2,649	973
		Totals:	2,649	973

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LEE COUNTY
Kentucky

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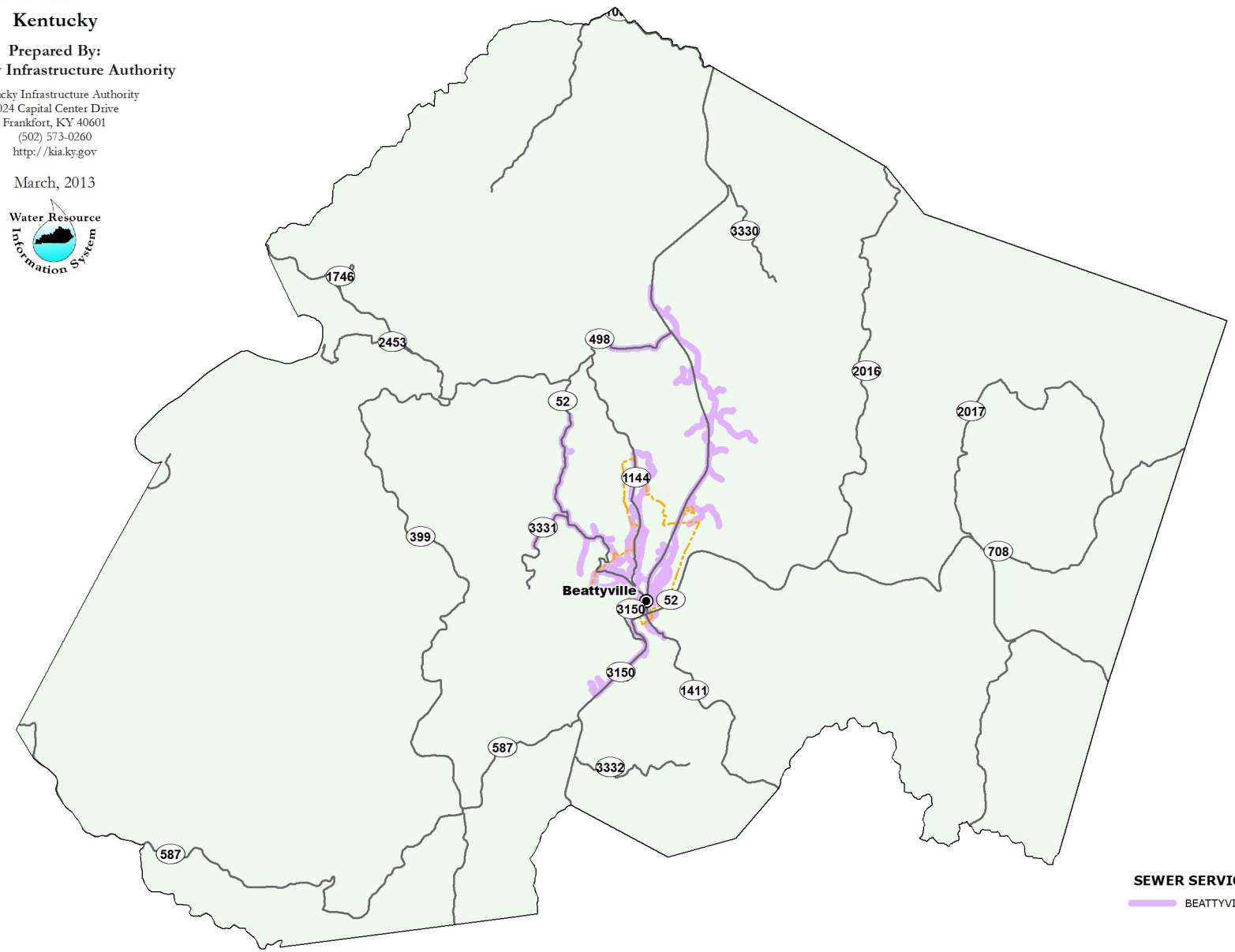

System Summary for Beattyville Wastewater

Permit ID	KY0021121	Treats Wastewater	Yes, 0.3 MGD with 0.248 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	737
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.17	Total KISOP Treated (MG)	-
Residential Customers	585	Total Treated (MG)	24.550
Commercial Customers	110	Number of Manholes	219
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	1	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 37.53 miles (Collection: 34.34 miles, Interceptors: 3.18 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Beattyville Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21129005	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	$2,000,000	Lee	10	1
SX21129008	Prison Sewer Rehab Project	3-5 Years	Not Funded	$250,000	Lee	11	2
SX21129004	Beattyville Sewer Rehabilitation Project	3-5 Years	Not Funded	$1,000,000	Lee	13	3
SX21129007	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	$6,000,000	Lee		
SX21083047	Mayfield Electric & Water-Combination Sewer Cleaning Truck	3-5 Years	Not Funded	$350,000	Graves		

Leslie County

- 2010 census population of 11,310 (5,278 households) with 14% serviceable.
- Projected 2020 population of 10,603 (change of -707).
- Leslie County has 25.12 miles of existing sewer lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,335,633.
- Estimated funding needs for projects from 6 to 10 years: $4,200,000.

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 sewer is currently available to approximately 14 percent of the county's households based on 2010 census counts. Over the next ten years approximately 192 serviceable households will be added through the construction of 10.00 miles of sewer line extensions and approximately 3 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Hyden	4	$6,535,633	192	3	10.00	-	-
Totals:	**4**	**$6,535,633**	**192**	**3**	**10.00**	**-**	**-**

Public Wastewater Systems in Leslie County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021245	Hyden Wastewater Department	Leslie	1,595	735
		Totals:	1,595	735

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LESLIE COUNTY
Kentucky

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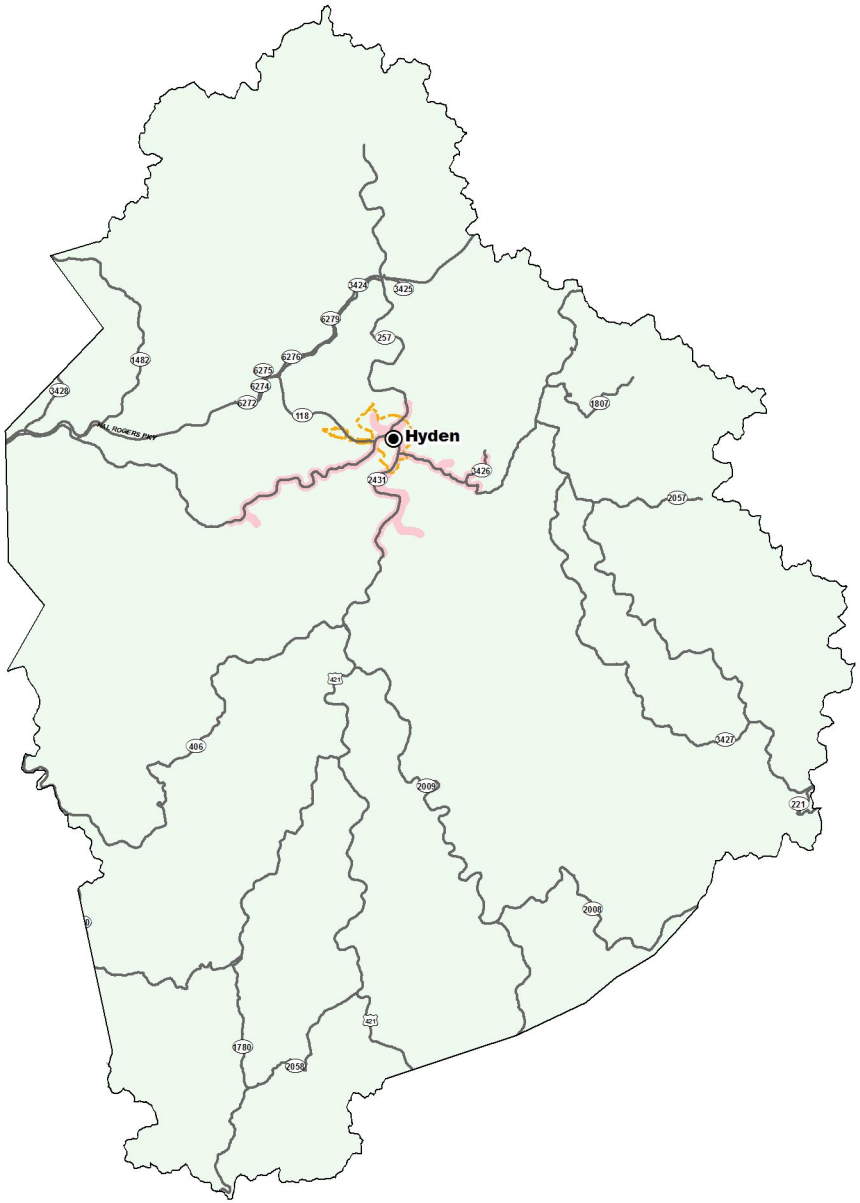
March, 2013



System Summary for Hyden Wastewater Department

Permit ID	KY0021245	Treats Wastewater	Yes, 0.2 MGD with 0.118 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	556
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.00	Total KISOP Treated (MG)	-
Residential Customers	430	Total Treated (MG)	42.945
Commercial Customers	128	Number of Manholes	62
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 25.05 miles (Collection: 25.01 miles, Interceptors: 0.04 miles).			

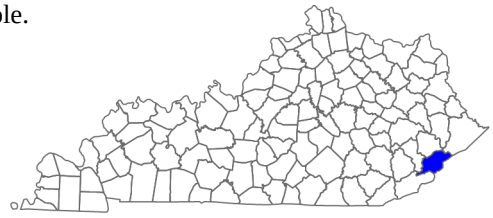
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hyden Wastewater Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21131211	Hyden - Wooton Sewer Plant Project	6-10 Years	Not Funded	$4,200,000	Leslie	3	1
SX21131003	Hyden - Town Rehab Phase III	0-2 Years	Partially Funded	$565,633	Leslie	4	2
SX21131002	Hyden - Wastewater Expansion Phase II	3-5 Years	Not Funded	$500,000	Leslie	8	3
SX21131004	Hyden - Sanitary Sewer Extensions Phase III	3-5 Years	Not Funded	$1,270,000	Leslie		

Letcher County

- 2010 census population of 24,519 (11,601 households) with 29% serviceable.
- Projected 2020 population of 24,237 (change of -282).
- Letcher County has 63.46 miles of existing sewer lines.
- 57.00 miles of line extensions proposed in the next 10 years.
- 14.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $31,124,960.
- Estimated funding needs for projects from 6 to 10 years: $3,172,000.



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 sewer is currently available to approximately 29 percent of the county's households based on 2010 census counts. Over the next ten years approximately 758 serviceable households will be added through the construction of 57.00 miles of sewer line extensions and approximately 4,054 instances of improved service through the rehabilitation of 14.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Fleming-Neon	2	$6,494,120	-	1,539	-	14.00	-
City of Jenkins	4	$4,185,000	88	885	3.00	-	-
City of Whitesburg	5	$9,972,000	425	1,600	31.00	-	-
Letcher County Fiscal Court	2	$7,814,940	245	-	23.00	-	-
Letcher County Water & Sewer District	2	$5,830,900	-	30	-	-	-
Totals:	**15**	**$34,296,960**	**758**	**4,054**	**57.00**	**14.00**	**-**

Public Wastewater Systems in Letcher County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0027405	Fleming-Neon Wastewater	Letcher	2,608	1,297
KY0038571	Jenkins Wastewater	Letcher	1,896	905
KY0103217	Letcher County Water & Sewer District - Millstone	Letcher	94	41
KY0106283	Whitesburg Wastewater	Letcher	2,400	1,118
		Totals:	6,998	3,361

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LETCHER COUNTY
Kentucky

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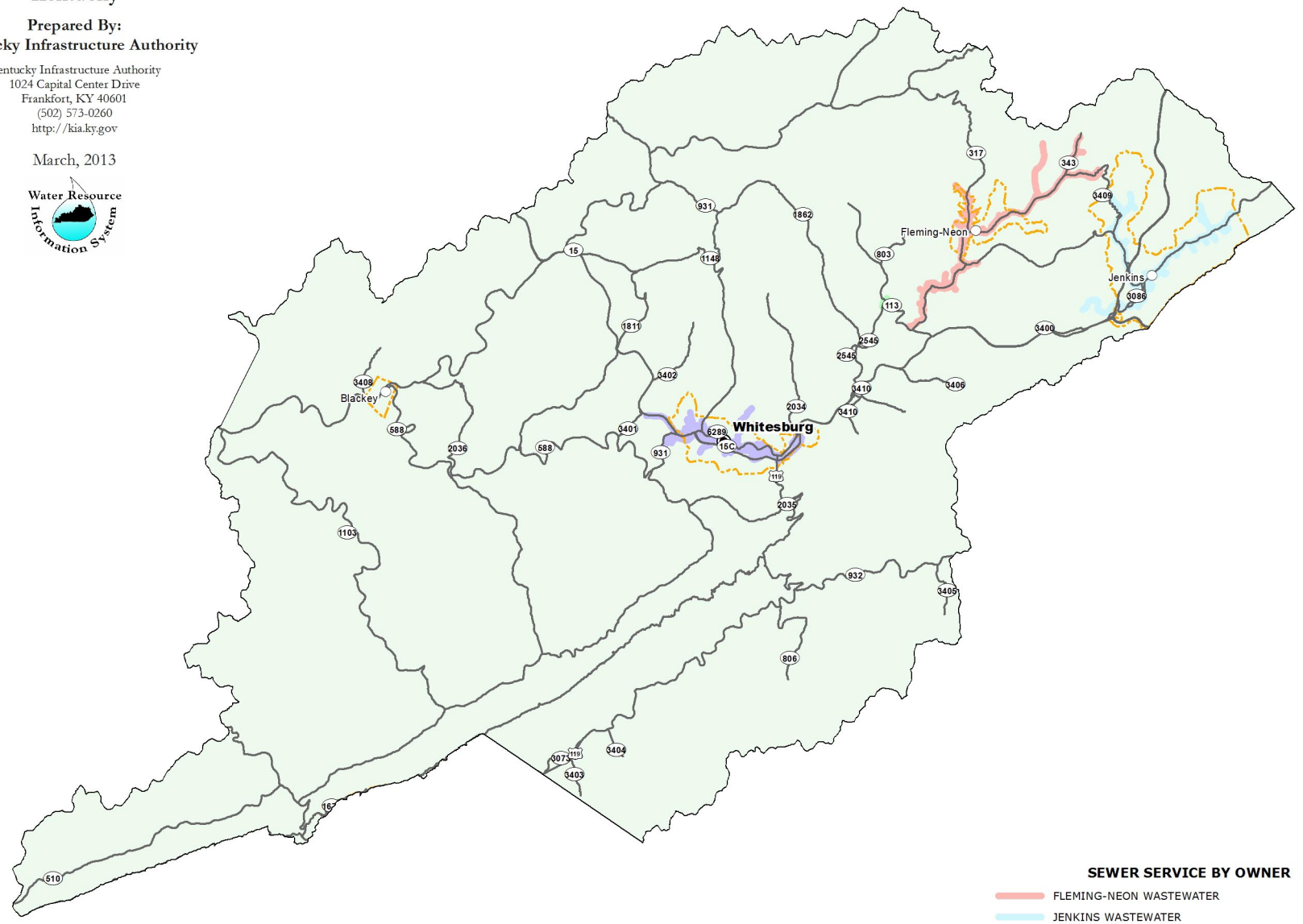


System Summary for Fleming-Neon Wastewater

Permit ID	KY0027405	Treats Wastewater	Yes, 0.52 MGD with 0.162 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	751
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.88	Total KISOP Treated (MG)	-
Residential Customers	751	Total Treated (MG)	59.386
Commercial Customers	43	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 26.21 miles (Collection: 25.96 miles, Interceptors: 0.25 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Fleming-Neon Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21133016	Fleming-Neon WWTP Upgrade	3-5 Years	Not Funded	$4,936,000	Letcher	6	1
SX21133015	Fleming-Neon Sewer Rehabilitation Project	3-5 Years	Not Funded	$1,558,120	Letcher		

System Summary for Jenkins Wastewater

Permit ID	KY0038571	Treats Wastewater	Yes, 0.6 MGD with 0.45 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	723
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.56	Total KISOP Treated (MG)	-
Residential Customers	670	Total Treated (MG)	167.270
Commercial Customers	53	Number of Manholes	129
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.38 miles (Collection: 16.20 miles, Interceptors: 0.18 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Jenkins Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21133020	Jenkins - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	$1,200,000	Letcher	20	3
SX21133885	Jenkins Various Sewer Extensions Project	3-5 Years	Not Funded	$1,500,000	Letcher		
SX21133050	Jenkins - Joes Branch Sewer Line Extension	3-5 Years	Not Funded	$1,235,000	Letcher		
SX21133644	Jenkins Dairy Hollow Sewer Extension	3-5 Years	Not Funded	$250,000	Letcher		

System Summary for Letcher County Water & Sewer District - Millstone

Permit ID	KY0103217	Treats Wastewater	Yes, 0.009 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	22
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.00	Total KISOP Treated (MG)	-
Residential Customers	22	Total Treated (MG)	0.700
Commercial Customers	-	Number of Manholes	24
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.43 miles (Collection: 0.43 miles, Interceptors: 0.00 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21133017	Roxana Prison Pressure Sewer Project	0-2 Years	Not Funded	$6,600,000	Letcher		
SX21133018	WWTP for Federal Prison at Roxanna	3-5 Years	Not Funded	$5,806,400	Letcher		
SX21133014	Millstone Alternative Treatment System Improvements	0-2 Years	Partially Funded	$24,500	Letcher		

System Summary for Whitesburg Wastewater

Permit ID	KY0106283	Treats Wastewater	Yes, 0.6 MGD with 0.133 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	800
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.81	Total KISOP Treated (MG)	-
Residential Customers	800	Total Treated (MG)	114.682
Commercial Customers	147	Number of Manholes	208
Institutional Customers	-	Number of Lift Stations	18
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 20.42 miles (Collection: 19.74 miles, Interceptors: 0.68 miles).			

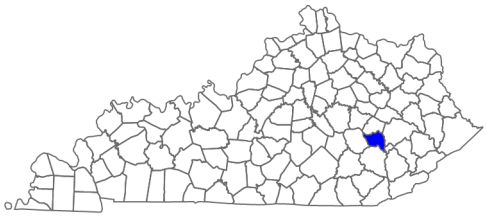
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Whitesburg Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21133021	Sewer Lift Station Rehab	3-5 Years	Not Funded	$1,800,000	Letcher	16	2
SX21133017	Roxana Prison Pressure Sewer Project	0-2 Years	Not Funded	$6,600,000	Letcher		
SX21133008	Whitesburg - Mayking Area Sewer Extensions Phase I	3-5 Years	Not Funded	$3,000,000	Letcher		
SX21133022	Whitesburg Wastewater Treatment Plant Upgrade Project	3-5 Years	Not Funded	$2,000,000	Letcher		
SX21133019	Crafts Colley Sewer Extensions Phase II	3-5 Years	Not Funded	$1,214,940	Letcher		

Owsley County

- 2010 census population of 4,755 (2,328 households) with 18% serviceable.
- Projected 2020 population of 4,704 (change of -51).
- Owsley County has 23.77 miles of existing sewer lines.
- 7.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,271,364.
- 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 sewer is currently available to approximately 18 percent of the county's households based on 2010 census counts. Over the next ten years approximately 178 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 678 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Booneville	5	$5,271,364	178	678	7.00	1.00	-
Totals:	**5**	**$5,271,364**	**178**	**678**	**7.00**	**1.00**	**-**

Public Wastewater Systems in Owsley County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0033774	Booneville Water and Sewer	Owsley	904	429
		Totals:	904	429

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
OWSLEY COUNTY
Kentucky

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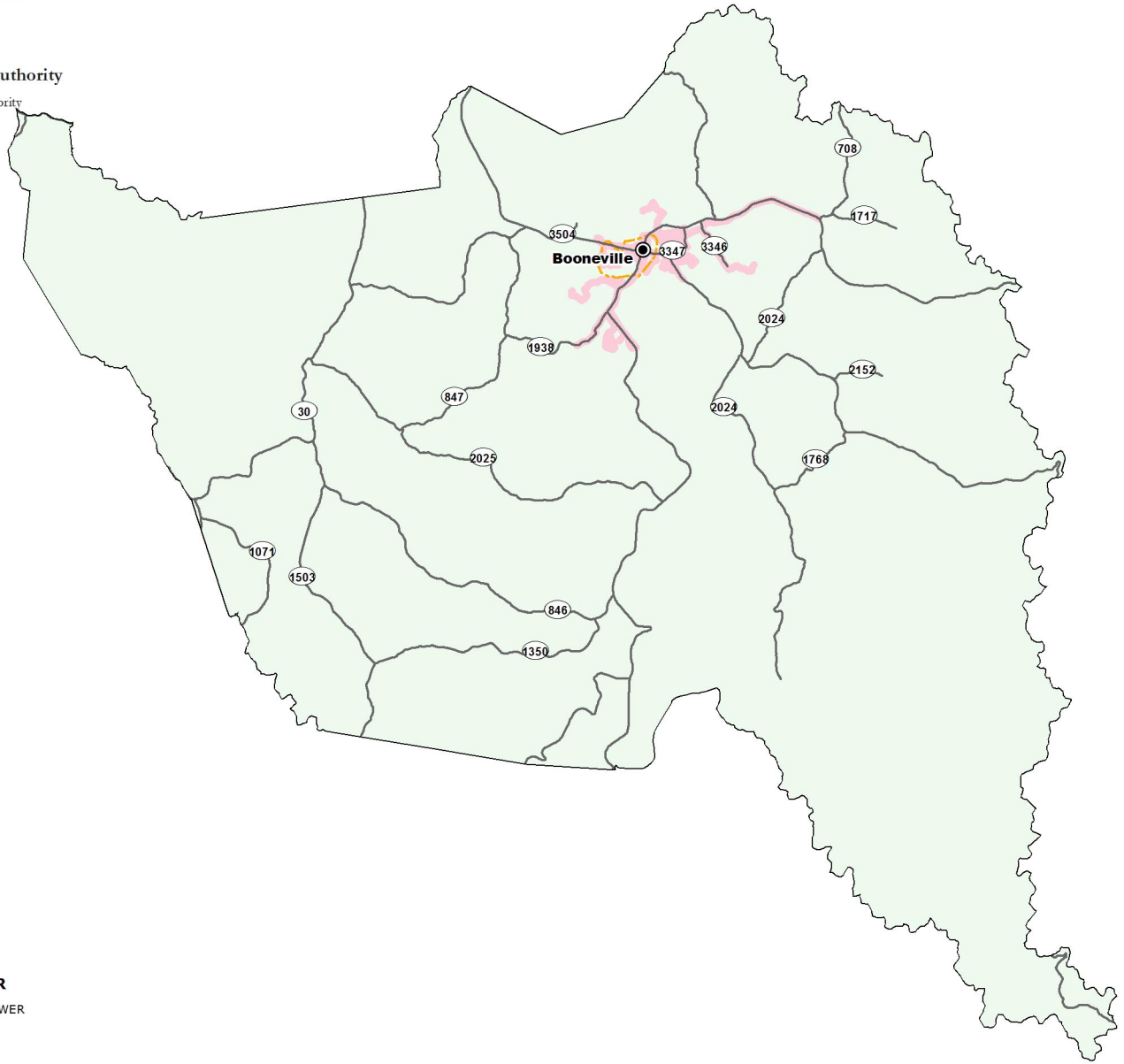
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

BOONEVILLE WATER AND SEWER

System Summary for Booneville Water and Sewer

Permit ID	KY0033774	Treats Wastewater	Yes, 0.2 MGD with 0.25 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	266
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.80	Total KISOP Treated (MG)	-
Residential Customers	266	Total Treated (MG)	80.400
Commercial Customers	14	Number of Manholes	98
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 23.70 miles (Collection: 20.63 miles, Interceptors: 3.06 miles).			

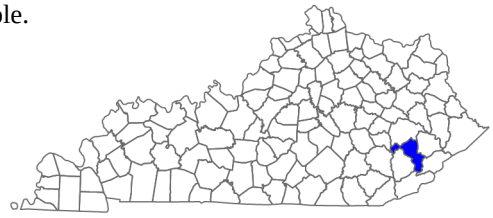
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21189002	Booneville Pump Station Rehab	3-5 Years	Not Funded	$291,864	Owsley	17	1
SX21189430	Booneville - Chestnut Gap Sewer Extension	3-5 Years	Not Funded	$611,000	Owsley	18	2
SX21189600	Booneville Hwy 1411 Sewer Extension	3-5 Years	Not Funded	$602,600	Owsley	19	3
SX21189003	Booneville - Highway 11 Sewer Extensions	3-5 Years	Not Funded	$2,239,900	Owsley		
SX21189005	Booneville I/I Replacement Project	3-5 Years	Not Funded	$1,526,000	Owsley		

Perry County

- 2010 census population of 28,712 (12,791 households) with 31% serviceable.
- Projected 2020 population of 28,137 (change of -575).
- Perry County has 78.63 miles of existing sewer lines.
- 41.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $28,099,794.
- 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 sewer is currently available to approximately 31 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,067 serviceable households will be added through the construction of 41.00 miles of sewer line extensions and approximately 6,501 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Hazard	6	$9,623,990	253	6,364	9.00	-	-
Perry County Fiscal Court	1	$2,683,265	-	137	-	-	-
Perry County Sanitation District	5	$6,338,997	340	-	13.00	-	-
Troublesome Creek Environmental Authority	3	$9,453,542	474	-	19.00	-	-
Totals:	**15**	**$28,099,794**	**1,067**	**6,501**	**41.00**	**-**	**-**

Public Wastewater Systems in Perry County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020079	Hazard Wastewater	Perry	6,889	3,173
KYP000034	Perry County Sanitation District #1	Perry	1,451	606
KY0060259	Perry County Water & Sewer	Perry	345	155
KY0107786	Perry County Sanitation District #1	Breathitt	155	70
		Totals:	8,840	4,004

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
PERRY COUNTY
Kentucky

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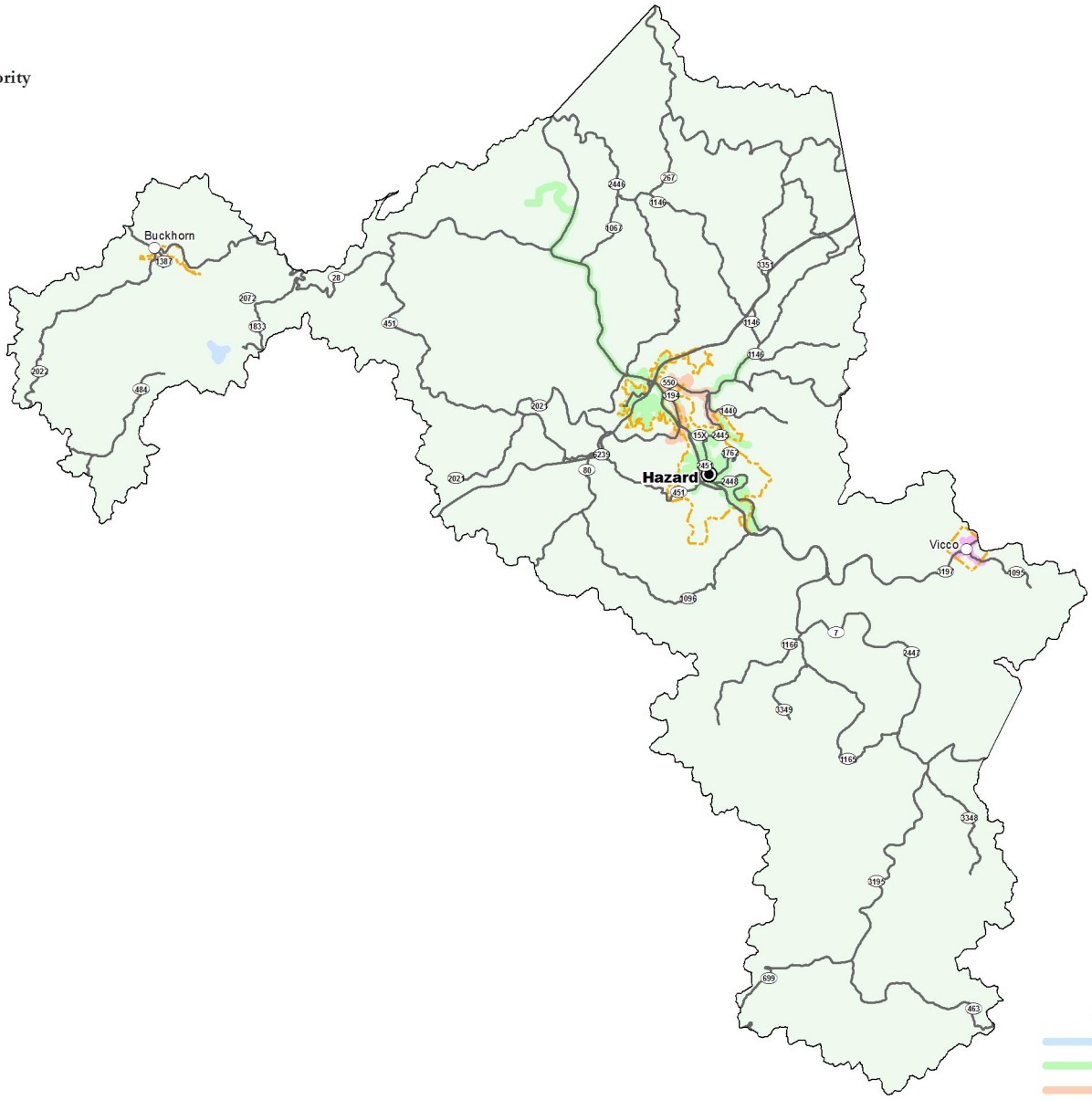
March, 2013

Water Resource Information System



System Summary for Hazard Wastewater

Permit ID	KY0020079	Treats Wastewater	Yes, 3 MGD with 1.859 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,500
Owner Type	Incorporated City	KISOP Sender	No
Employees	21	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$17.48	Total KISOP Treated (MG)	28.248
Residential Customers	2,367	Total Treated (MG)	719.961
Commercial Customers	125	Number of Manholes	450
Institutional Customers	7	Number of Lift Stations	27
Industrial Customers	1	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 57.15 miles (Collection: 56.31 miles, Interceptors: 0.84 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hazard Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21193015	Hazard Wastewater Treatment Plant Phase II	3-5 Years	Not Funded	$773,460	Perry	12	3
SX21193016	Upper Second Creek Sanitary Sewer	3-5 Years	Not Funded	$6,968,460	Perry		
SX21193013	Wendell H. Ford Airport Subdivisions Sewer System	3-5 Years	Not Funded	$4,100,000	Perry		
SX21193017	Allais Property - KCADV Multi-Family Housing Wastewater Line	3-5 Years	Not Funded	$650,000	Perry		
SX21193018	Phase I Hazard Sanitary Sewer Improvements	3-5 Years	Not Funded	$600,000	Perry		
SX21193019	Perry Plaza Sanitary Sewer Improvements	3-5 Years	Partially Funded	$582,070	Perry		
SX21193004	Hazard WWTP Renovations	0-2 Years	Not Funded	$50,000	Perry		

System Summary for Perry County Sanitation District #1

Permit ID	KYP000034	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	563
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	28.248
Cost Per 4000 Gallons	$39.00	Total KISOP Treated (MG)	-
Residential Customers	540	Total Treated (MG)	-
Commercial Customers	47	Number of Manholes	97
Institutional Customers	20	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 3% Constructed

Total Collection System Line Length = 13.23 miles (Collection: 12.51 miles, Interceptors: 0.72 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21193015	Hazard Wastewater Treatment Plant Phase II	3-5 Years	Not Funded	$773,460	Perry	12	3

System Summary for Perry County Water & Sewer

Permit ID	KY0060259	Treats Wastewater	Yes, 0.1 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	124
Owner Type	County Fiscal Court	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.44	Total KISOP Treated (MG)	-
Residential Customers	124	Total Treated (MG)	11.066
Commercial Customers	4	Number of Manholes	34
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 3.54 miles (Collection: 3.54 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21193006	Vicco Wastewater Treatment Plant & Sewer Collection Project - Phase III	3-5 Years	Not Funded	$2,683,265	Perry	7	2

System Summary for Phoenix Townhomes

Permit ID	KY0106861	Treats Wastewater	Yes, 0.015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.00	Total KISOP Treated (MG)	-
Residential Customers	13	Total Treated (MG)	0.730
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.12 miles (Collection: 0.12 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Phoenix Townhomes

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21193020	HWY 80 Sewer Collection Project Phase III	3-5 Years	Not Funded	$2,170,302	Perry		

System Summary for Rons MHP

Permit ID	KY0082929	Treats Wastewater	Yes, 0.004 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	20	Total Treated (MG)	0.792
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.06 miles (Collection: 0.06 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Rons MHP

System Summary for VG Combs Trailer Park

Permit ID	KY0083674	Treats Wastewater	Yes, 0.0025 MGD with 0.001 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	12	Total Treated (MG)	0.432
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

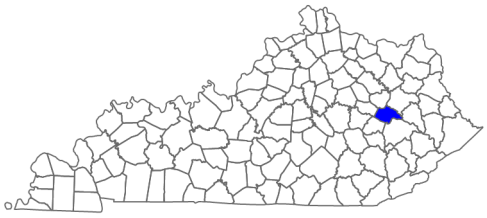
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for VG Combs Trailer Park

Wolfe County

- 2010 census population of 7,355 (3,660 households) with 15% serviceable.
- Projected 2020 population of 7,636 (change of 281).
- Wolfe County has 15.65 miles of existing sewer lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,555,000.
- There are no projects planned from 6 to 10 years.



Wolfe County has a 2010 census population count of 7,355 (3,660 households) with a projected 2020 population count of 7,636 (3,285 households). Public sewer is currently available to approximately 15 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 9.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
Wolfe County Sanitation District	1	$3,555,000	100	-	9.00	-	-
Totals:	**1**	**$3,555,000**	**100**	**-**	**9.00**	**-**	**-**

Public Wastewater Systems in Wolfe County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0104728	Campton Wastewater Department	Wolfe	1,045	541
		Totals:	1,045	541

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
WOLFE COUNTY
Kentucky

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March, 2013

Water Resource Information System

SEWER SERVICE BY OWNER

CAMPTON WASTEWATER DEPARTMENT

System Summary for Campton Wastewater Department

Permit ID	KY0104728	Treats Wastewater	Yes, 0.32 MGD with 0.213 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	275
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.00	Total KISOP Treated (MG)	-
Residential Customers	275	Total Treated (MG)	114.416
Commercial Customers	82	Number of Manholes	258
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 15.60 miles (Collection: 14.80 miles, Interceptors: 0.80 miles).			

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

There are no immediate projects for Campton Wastewater Department

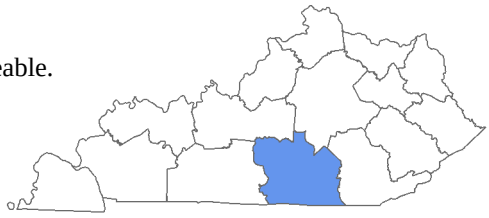
System Summary for Wolfe County Sanitation District

Permit ID	KYPENDING0019	Treats Wastewater	No
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Wolfe County Sanitation District

Lake Cumberland Area Development District (LCADD)



- 2010 census population of 207,256 (101,129 households) with 28% serviceable.
- Projected 2020 population of 221,481 (change of 14,225).
- 602.47 miles of existing sewer lines.
- 129.00 miles of line extensions proposed in the next 10 years.
- 26.00 miles of line rehabilitation proposed in the next 10 years.
- 29.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $79,511,600.
- Estimated funding needs for projects from 6 to 10 years: $7,533,146.
- Average age of wastewater treatment plants is 26 years.
- Total number of interconnected systems is 3.
- 129 miles of sewer lines less than 15 years old.
- 134 miles of sewer lines between 15 and 30 years old.
- 196 miles of sewer lines between 31 and 50 years old.
- 21 miles of sewer lines between 51 and 70 years old.
- 98 miles of sewer lines greater than 70 years old.

Lake Cumberland Area Development District has a 2010 census population count of 207,256 (101,129 households) with a projected 2020 population count of 221,481 (92,378 households). Public sewer is currently available to approximately 28 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,108 serviceable households will be added through the construction of 129.00 miles of sewer line extensions and approximately 2,362 instances of improved service through the rehabilitation of 26.00 miles of existing sewer lines and other appurtenances. 29.00 miles of interceptor lines are also proposed within this district.

County Summary for Lake Cumberland Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Adair	18,656	8,568	20,052	8,151	1,971	23%	$ 8,469,955
Casey	15,955	7,487	16,433	6,791	1,055	14%	$ 553,000
Clinton	10,272	5,311	10,896	4,755	1,338	25%	$ 9,169,000
Cumberland	6,856	3,690	6,649	2,840	825	22%	$ 3,282,000
Green	11,258	5,324	11,112	4,660	1,463	28%	$ 1,090,000
McCreary	18,306	7,507	18,314	6,819	2,362	32%	$ 7,288,985
Pulaski	63,063	31,443	71,036	29,901	7,476	24%	$ 13,310,140
Russell	17,565	9,993	18,782	8,112	3,249	33%	$ 6,593,566
Taylor	24,512	10,864	26,079	10,663	5,189	48%	$ 8,726,100
Wayne	20,813	10,942	22,128	9,686	3,137	29%	$ 28,562,000
Totals	**207,256**	**101,129**	**221,481**	**92,378**	**28,065**	**28%**	**$ 87,044,746**

Water Resource Information System

Kentucky Infrastructure Authority

February 15, 2018

EXISTING & PROPOSED SEWER LINES

LCADD

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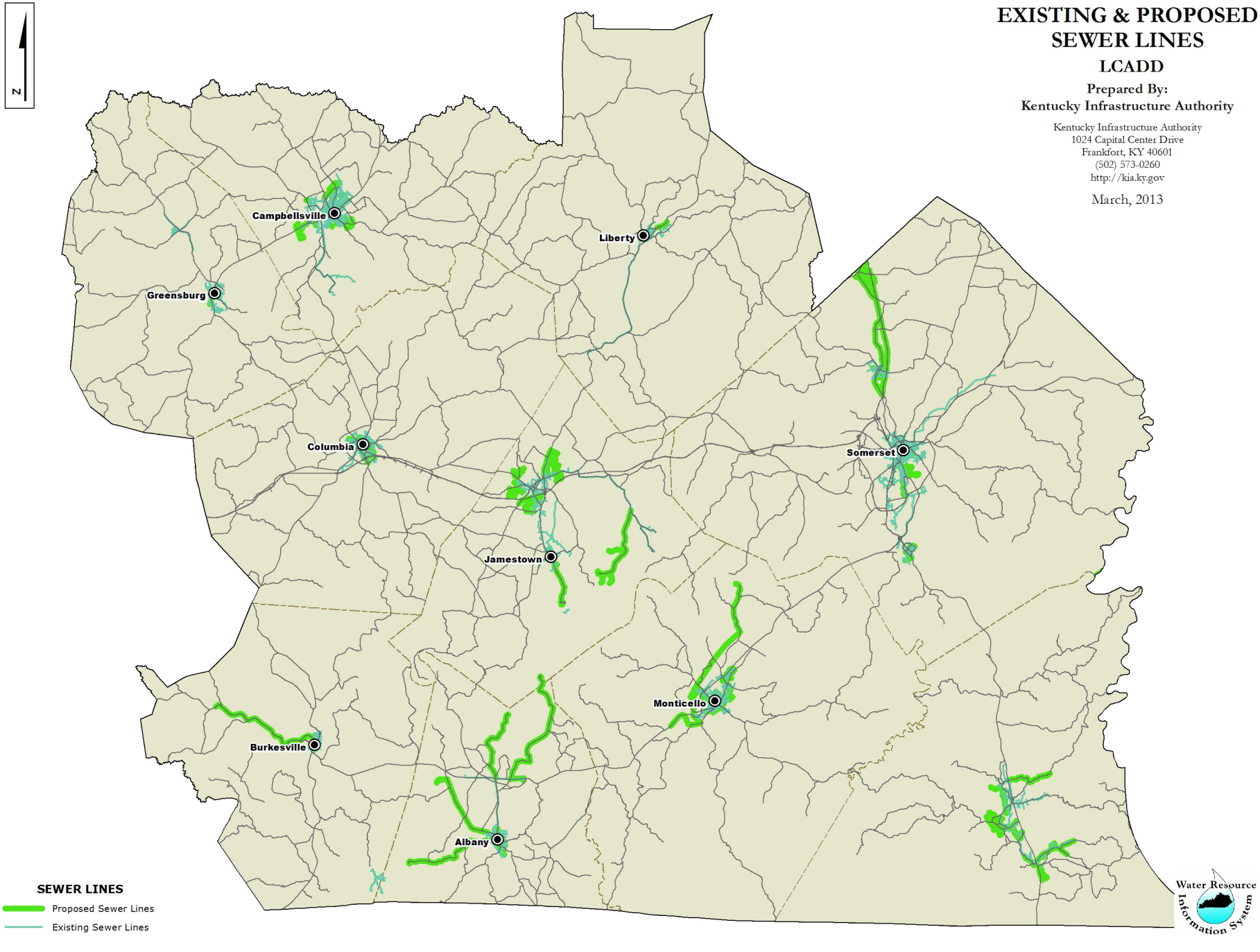


Public Sewer Systems in the Lake Cumberland Area Development District

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

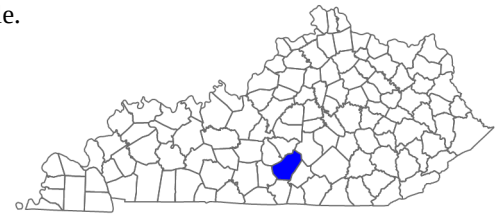
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024317	Columbia/Adair Utilities District Sewer System	Adair	4,652	1,971
KY0026352	Liberty Water & Gas	Casey	2,050	1,055
KY0024295	Albany Municipal Water & Sewer	Clinton	2,591	1,333
KY0036854	Burkesville Wastewater	Cumberland	1,498	780
KY0023841	Greensburg Sewer Department	Green	2,300	1,142
KY0096881	Sanitation District #1 of Green County	Green	717	321
KY0097837	McCreary County Water District	McCreary	5,151	2,362
KYP000069	Burnside Municipal Water Works	Pulaski	615	344
KY0094447	Science Hill Sewer	Pulaski	1,151	500
KY0026611	Somerset Utilities	Pulaski	12,914	6,236
199003845	Woodson Bend Resort	Pulaski	172	401
KY0062995	Jamestown Utilities	Russell	1,905	921
KYP000057	Russell Springs Sewer & Water Works	Russell	4,218	2,326
KY0054437	Campbellsville Municipal Water & Sewer System	Taylor	11,561	5,189
KY0033847	Monticello Utility Commission	Wayne	6,803	3,137
		Totals:	58,298	28,018

Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21057002	Burkesville WWTP Improvements	3-5 Years	Not Funded	$3,282,000	Cumberland	1	1
SX21217008	Campbellsville Sewer System Renovation	3-5 Years	Not Funded	$788,000	Taylor	2	1
SX21001019	Burkesville Street Lift Station Replacement and Sanitary Sewer Expansion	0-2 Years	Not Funded	$1,488,455	Adair	3	1
SX21231017	Sanitary Sewer Improvements - Phase 1 and Carter Road	3-5 Years	Not Funded	$3,575,000	Wayne	4	1
SX21147019	MCWD-Stearns to Smithtown Sewer System	3-5 Years	Not Funded	$2,043,000	McCreary	5	1
SX21147006	McCreary Co./KY 1651/East Appletree Rd. Area Sewer System Extensions	3-5 Years	Not Funded	$713,000	McCreary	6	2
SX21207013	Jamestown Utilities-Jamestown Dock Sewer Extension	6-10 Years	Not Funded	$1,569,100	Russell	7	1
SX21147012	McCreary Co WD-Pine Knot (KY 1651 & US 92) Area Sanitary Sewer Project	3-5 Years	Not Funded	$888,500	McCreary	8	3
SX21087016	Greensburg-Clover Lick Creek Interceptor Sewer Project	3-5 Years	Not Funded	$350,000	Green	9	1
			Total Cost:	**$14,697,055**			

Adair County

- 2010 census population of 18,656 (8,568 households) with 23% serviceable.
- Projected 2020 population of 20,052 (change of 1,396).
- Adair County has 43.56 miles of existing sewer lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 14.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,469,955.
- 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 sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 37 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 1,158 instances of improved service through the rehabilitation of 14.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Adair County Water District	6	$6,981,500	31	758	2.00	13.00	-
Columbia/Adair County Water Commission	1	$1,488,455	6	400	2.00	1.00	-
Totals:	**7**	**$8,469,955**	**37**	**1,158**	**4.00**	**14.00**	**-**

Public Wastewater Systems in Adair County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024317	Columbia/Adair Utilities District Sewer System	Adair	4,652	1,971
		Totals:	4,652	1,971

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
ADAIR COUNTY
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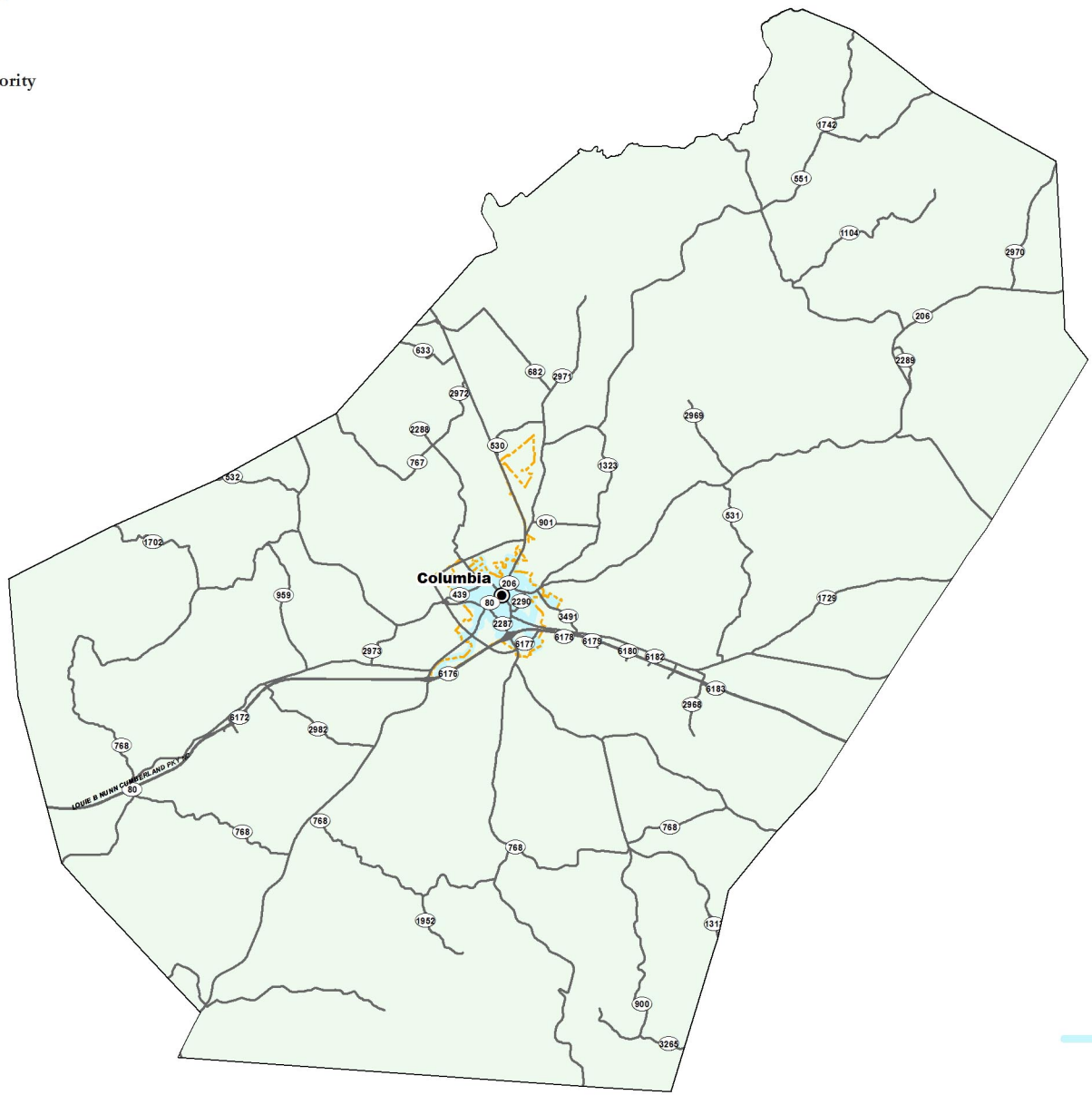


SEWER SERVICE BY OWNER

COLUMBIA/ADAIR UTILITIES DISTRICT

System Summary for Columbia/Adair Utilities District Sewer System

Permit ID	KY0024317	Treats Wastewater	Yes, 1.9 MGD with 1.4 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,693
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.80	Total KISOP Treated (MG)	-
Residential Customers	1,356	Total Treated (MG)	302.294
Commercial Customers	249	Number of Manholes	607
Institutional Customers	69	Number of Lift Stations	15
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed

Total Collection System Line Length = 43.56 miles (Collection: 43.56 miles, Interceptors: 0.00 miles).

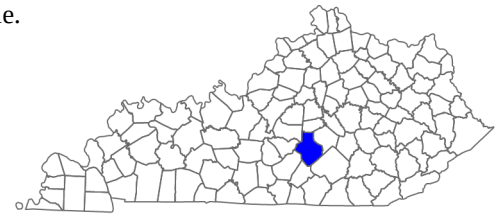
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21001019	Burkesville Street Lift Station Replacement and Sanitary Sewer Expansion	0-2 Years	Not Funded	$1,488,455	Adair	3	1
SX21001005	Downtown Sewer System Improvements - Phase 2	3-5 Years	Not Funded	$2,027,500	Adair		
SX21001004	Downtown Sewer System Improvements - Phase 1	3-5 Years	Not Funded	$1,930,000	Adair		
SX21001014	Downtown Sewer System Improvements - Phase 3	3-5 Years	Not Funded	$1,545,000	Adair		
SX21001015	Downtown Sewer System Improvements - Phase 4	3-5 Years	Not Funded	$841,000	Adair		
SX21001016	HWY 55/Cane Valley Area Sewer System Extension	3-5 Years	Not Funded	$343,000	Adair		
SX21001017	North Bypass Highway 55 Sanitary Sewer System Extension	3-5 Years	Not Funded	$295,000	Adair		

Casey County

- 2010 census population of 15,955 (7,487 households) with 14% serviceable.
- Projected 2020 population of 16,433 (change of 478).
- Casey County has 29.85 miles of existing sewer 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 interceptor 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: $553,000.



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 sewer is currently available to approximately 14 percent of the county's households based on 2010 census counts. Over the next ten years approximately 23 serviceable households will be added through the construction of 1.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Liberty	1	$553,000	23	-	1.00	-	-
Totals:	**1**	**$553,000**	**23**	**-**	**1.00**	**-**	**-**

Public Wastewater Systems in Casey County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026352	Liberty Water & Gas	Casey	2,050	1,055
		Totals:	2,050	1,055

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CASEY COUNTY
Kentucky

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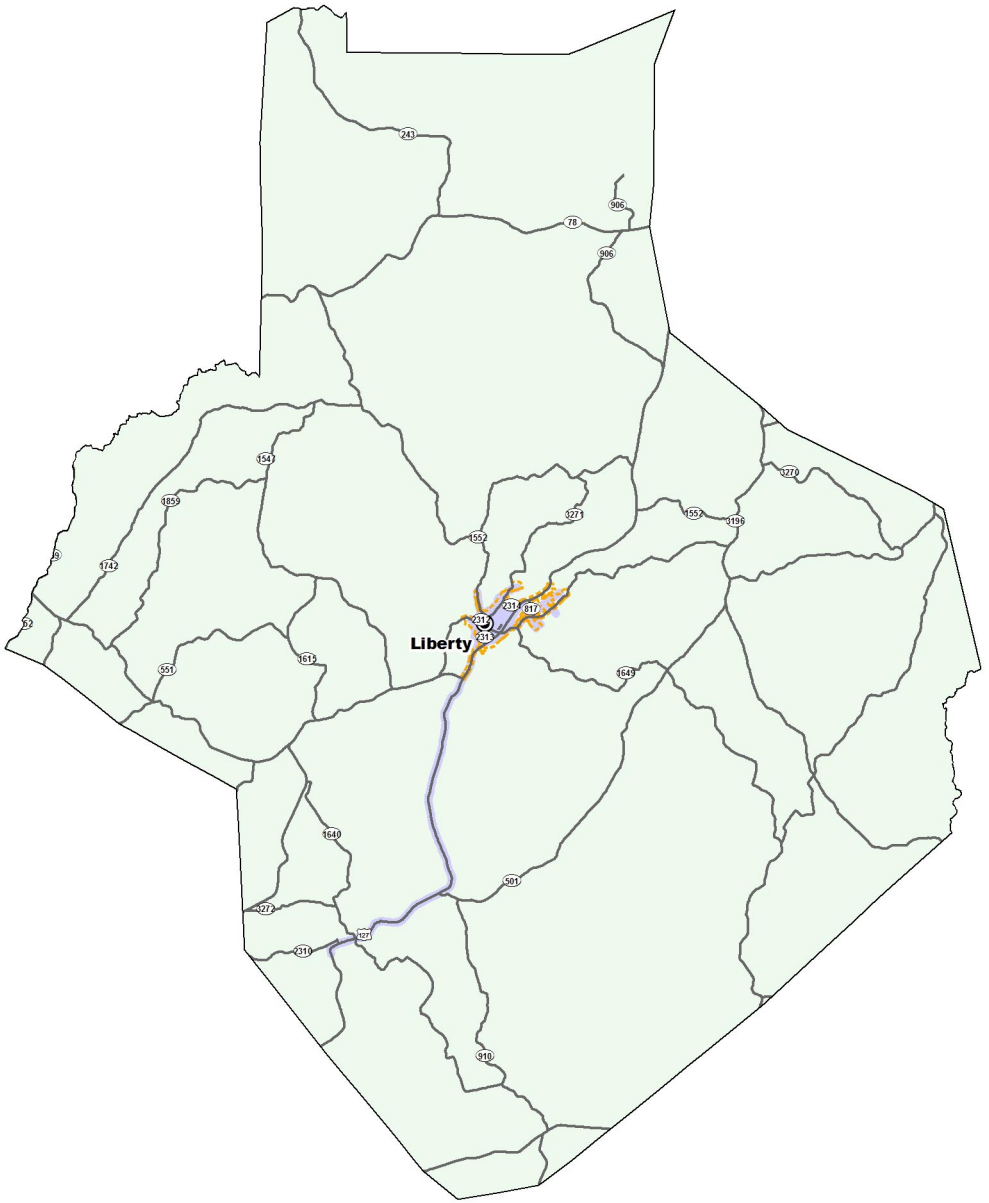


System Summary for Liberty Water & Gas

Permit ID	KY0026352	Treats Wastewater	Yes, 0.64 MGD with 0.654 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	879
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.60	Total KISOP Treated (MG)	-
Residential Customers	654	Total Treated (MG)	239.233
Commercial Customers	224	Number of Manholes	100
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	1	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 29.50 miles (Collection: 29.50 miles, Interceptors: 0.00 miles).			

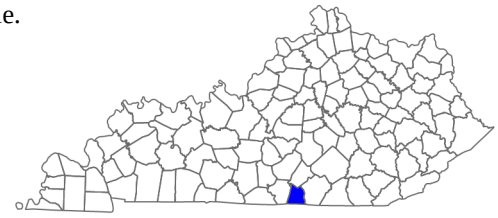
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21045005	Liberty – North US 127 Collector Sewer Project	6-10 Years	Partially Funded	$553,000	Casey		

Clinton County

- 2010 census population of 10,272 (5,311 households) with 25% serviceable.
- Projected 2020 population of 10,896 (change of 624).
- Clinton County has 34.96 miles of existing sewer lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,798,000.
- Estimated funding needs for projects from 6 to 10 years: $1,371,000.



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 sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 353 serviceable households will be added through the construction of 18.00 miles of sewer line extensions and approximately 54 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Albany	7	$8,253,000	353	54	18.00	1.00	1.00
City of Burnside	1	$916,000	-	-	-	-	-
Totals:	**8**	**$9,169,000**	**353**	**54**	**18.00**	**1.00**	**1.00**

Public Wastewater Systems in Clinton County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024295	Albany Municipal Water & Sewer	Clinton	2,591	1,333
		Totals:	2,591	1,333

Kentucky Infrastructure Authority
February 15, 2018

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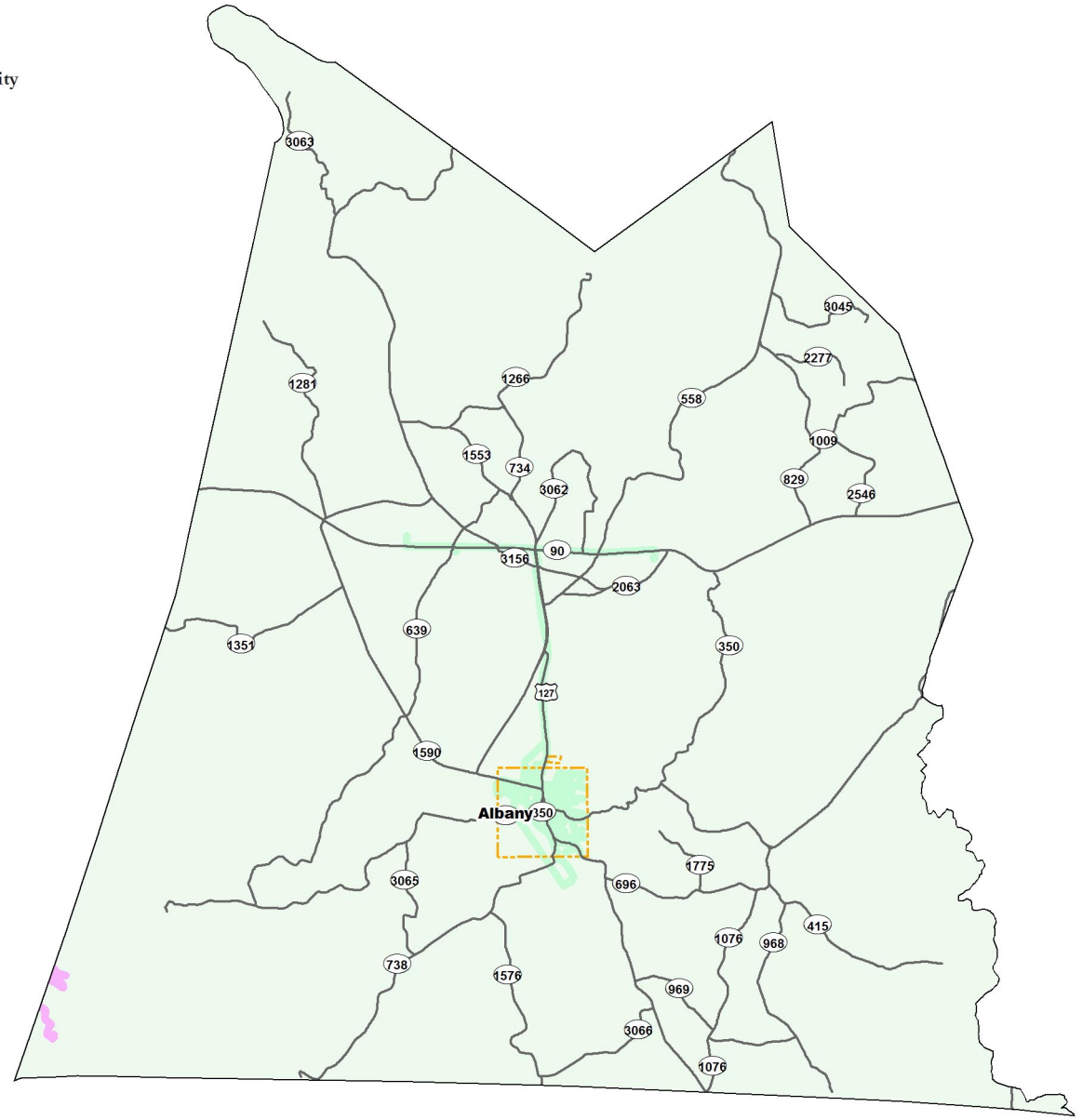


System Summary for Albany Municipal Water & Sewer

Permit ID	KY0024295	Treats Wastewater	Yes, 0.9 MGD with 0.232 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,288
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.95	Total KISOP Treated (MG)	-
Residential Customers	1,090	Total Treated (MG)	84.680
Commercial Customers	175	Number of Manholes	470
Institutional Customers	20	Number of Lift Stations	13
Industrial Customers	3	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 33.03 miles (Collection: 33.03 miles, Interceptors: 0.00 miles).			

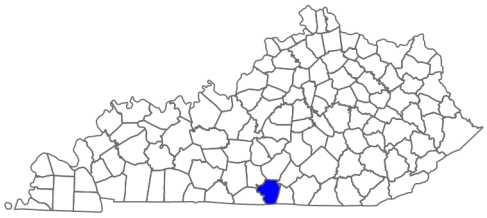
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21053007	Albany Phase 2 Wastewater Treatment Plant Expansion & Improvements	3-5 Years	Not Funded	$4,032,000	Clinton		
SX21053004	Rowena - Lake Cumberland Sewer System Extension	3-5 Years	Not Funded	$1,697,000	Clinton		
SX21053009	Albany/Clear Fork Sewer System Renovation	6-10 Years	Not Funded	$782,000	Clinton		
SX21053006	Albany Lift Station Renovation	3-5 Years	Not Funded	$665,000	Clinton		
SX21053012	Albany – Foothills Academy Sewer Force Main Extension	6-10 Years	Not Funded	$589,000	Clinton		
SX21053014	Albany Bypass Sewer Extension	3-5 Years	Not Funded	$395,000	Clinton		

Cumberland County

- 2010 census population of 6,856 (3,690 households) with 22% serviceable.
- Projected 2020 population of 6,649 (change of -207).
- Cumberland County has 19.89 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,282,000.
- There are no projects planned from 6 to 10 years.



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 sewer is currently available to approximately 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 779 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Burkesville	1	$3,282,000	-	779	-	-	-
Totals:	**1**	**$3,282,000**	**-**	**779**	**-**	**-**	**-**

Public Wastewater Systems in Cumberland County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0036854	Burkesville Wastewater	Cumberland	1,498	780
		Totals:	1,498	780

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CUMBERLAND COUNTY
Kentucky

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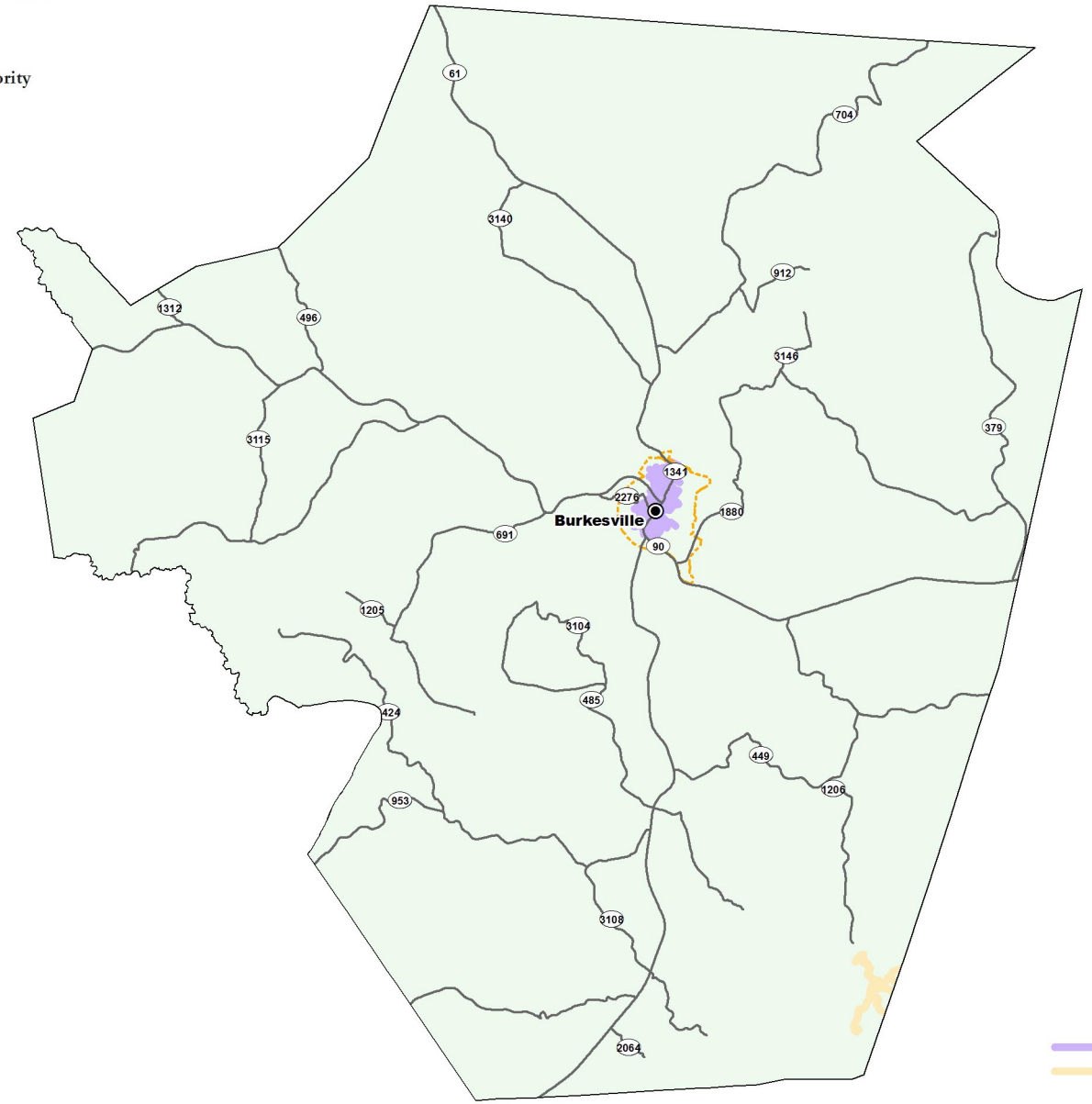


System Summary for Burkesville Wastewater

Permit ID	KY0036854	Treats Wastewater	Yes, 0.5 MGD with 0.381 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	616
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.32	Total KISOP Treated (MG)	-
Residential Customers	449	Total Treated (MG)	111.331
Commercial Customers	128	Number of Manholes	139
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	4	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 14.30 miles (Collection: 14.30 miles, Interceptors: 0.00 miles).			

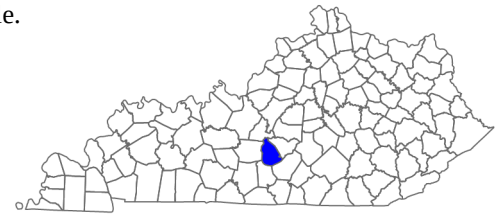
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Burkesville Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21057002	Burkesville WWTP Improvements	3-5 Years	Not Funded	$3,282,000	Cumberland	1	1

Green County

- 2010 census population of 11,258 (5,324 households) with 28% serviceable.
- Projected 2020 population of 11,112 (change of -146).
- Green County has 33.47 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,090,000.
- There are no projects planned from 6 to 10 years.



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 sewer is currently available to approximately 28 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Greensburg	1	$350,000	-	-	-	-	-
Sanitation District #1 of Green County	1	$740,000	-	-	-	-	-
Totals:	**2**	**$1,090,000**	-	-	-	-	-

Public Wastewater Systems in Green County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0023841	Greensburg Sewer Department	Green	2,300	1,142
KY0096881	Sanitation District #1 of Green County	Green	717	321
		Totals:	3,017	1,463

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February 15, 2018

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GREEN COUNTY
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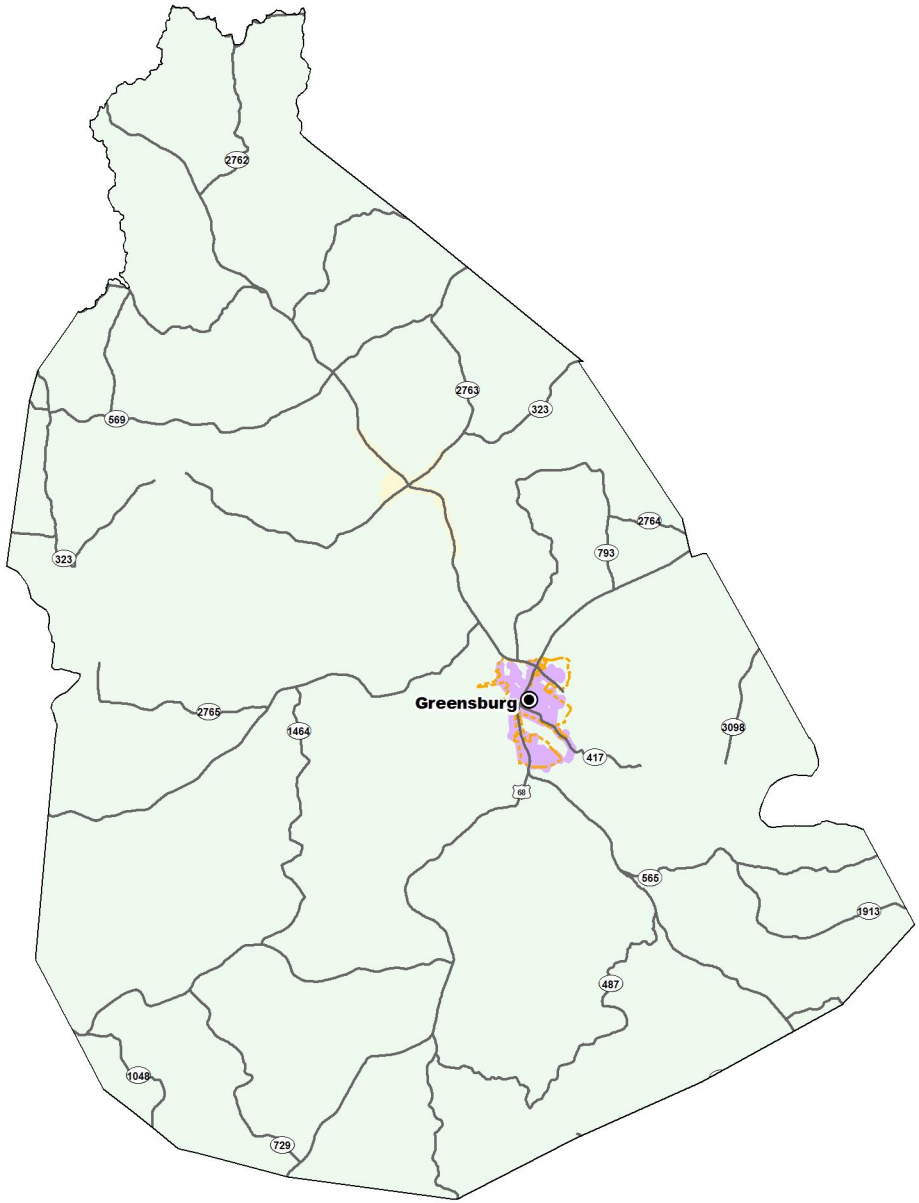

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SEWER SERVICE BY OWNER

GREENSBURG SEWER DEPARTMENT

SANITATION DISTRICT #1 OF GREEN COUNTY

System Summary for Greensburg Sewer Department

Permit ID	KY0023841	Treats Wastewater	Yes, 0.75 MGD with 0.604 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	981
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.96	Total KISOP Treated (MG)	-
Residential Customers	830	Total Treated (MG)	132.031
Commercial Customers	124	Number of Manholes	241
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 21.54 miles (Collection: 21.54 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Greensburg Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21087016	Greensburg-Clover Lick Creek Interceptor Sewer Project	3-5 Years	Not Funded	$350,000	Green	9	1

System Summary for Sanitation District #1 of Green County

Permit ID	KY0096881	Treats Wastewater	Yes, 0.1 MGD with 0.056 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	266
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$45.00	Total KISOP Treated (MG)	-
Residential Customers	260	Total Treated (MG)	20.514
Commercial Customers	6	Number of Manholes	32
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 11.93 miles (Collection: 11.93 miles, Interceptors: 0.00 miles).			

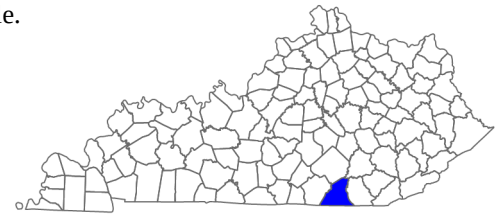
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Sanitation District #1 of Green County

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21087014	Green Co. SD#1 – Wastewater System Upgrades	3-5 Years	Not Funded	$740,000	Green		

McCreary County

- 2010 census population of 18,306 (7,507 households) with 32% serviceable.
- Projected 2020 population of 18,314 (change of 8).
- McCreary County has 69.41 miles of existing sewer lines.
- 25.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,144,405.
- Estimated funding needs for projects from 6 to 10 years: $1,144,580.



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 sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 671 serviceable households will be added through the construction of 25.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
McCreary County Water District	9	$7,288,985	671	-	25.00	-	-
Totals:	**9**	**$7,288,985**	**671**	**-**	**25.00**	**-**	**-**

Public Wastewater Systems in McCreary County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0097837	McCreary County Water District	McCreary	5,151	2,362
		Totals:	5,151	2,362

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February 15, 2018

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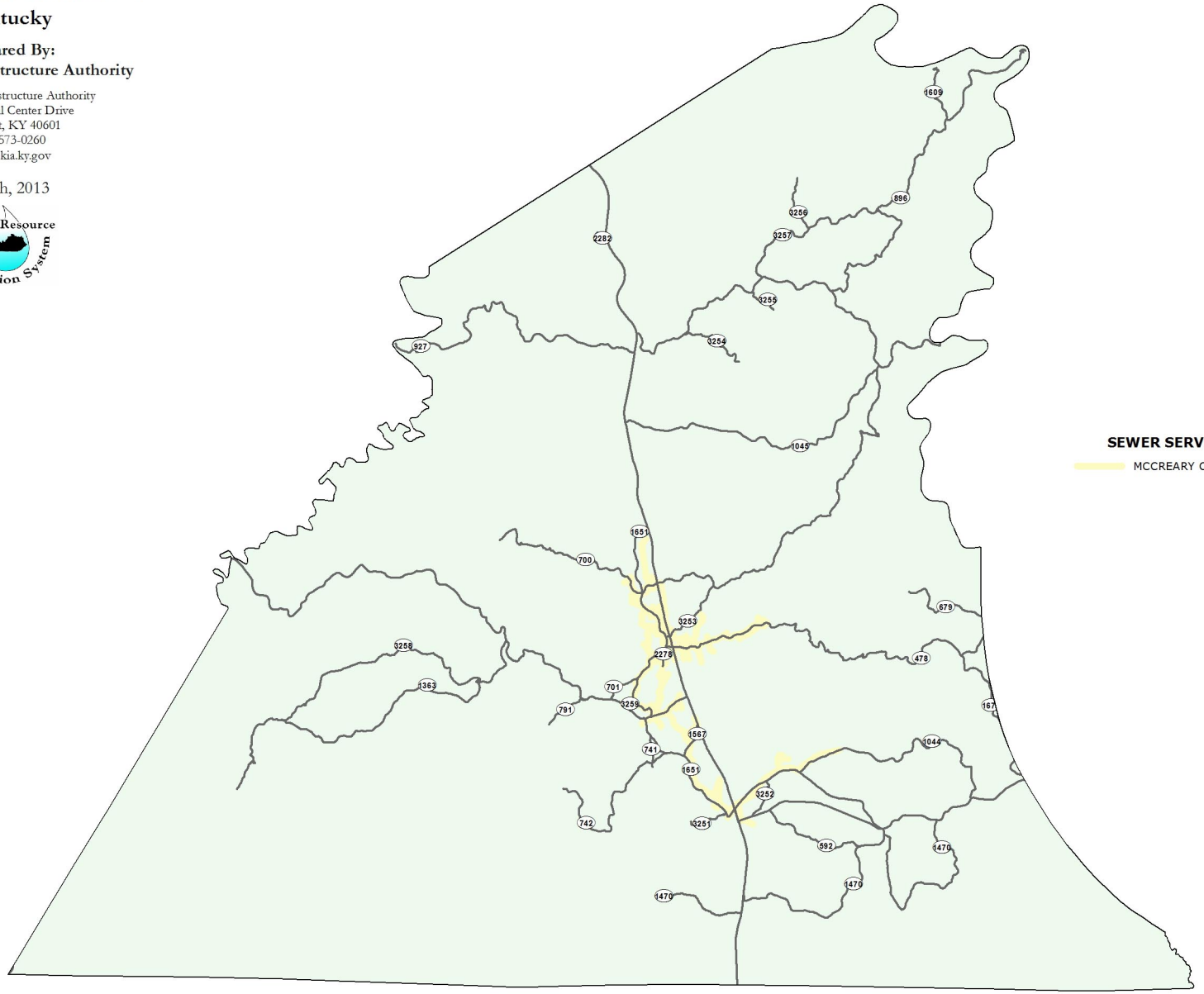


System Summary for McCreary County Water District

Permit ID	KY0097837	Treats Wastewater	Yes, 0.9 MGD with 0.34 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,255
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.85	Total KISOP Treated (MG)	-
Residential Customers	859	Total Treated (MG)	1.023
Commercial Customers	152	Number of Manholes	39
Institutional Customers	-	Number of Lift Stations	15
Industrial Customers	5	Percent Lines 20 yrs or Older	1%
KISOP Customers	-	Has Facility Plan	Yes, 68% Constructed
Total Collection System Line Length = 69.40 miles (Collection: 69.40 miles, Interceptors: 0.00 miles).			

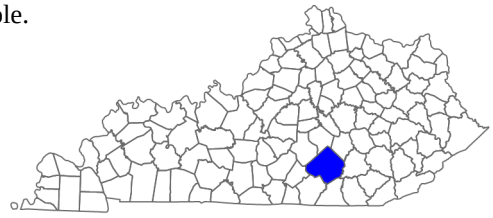
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21147019	MCWD-Stearns to Smithtown Sewer System	3-5 Years	Not Funded	$2,043,000	McCreary	5	1
SX21147006	McCreary Co./KY 1651/East Appletree Rd. Area Sewer System Extensions	3-5 Years	Not Funded	$713,000	McCreary	6	2
SX21147012	McCreary Co WD-Pine Knot (KY 1651 & US 92) Area Sanitary Sewer Project	3-5 Years	Not Funded	$888,500	McCreary	8	3
SX21147017	MCCWD – Sandhill Road Sanitary Sewer Expansion Project, Phase I	3-5 Years	Not Funded	$791,950	McCreary		
SX21147018	MCCWD – Sandhill Road Sanitary Sewer Expansion Project, Phase II	6-10 Years	Not Funded	$714,580	McCreary		
SX21147003	McCreary Co./Pine Knot-KY 92 Area Sewer System Extensions	3-5 Years	Not Funded	$696,000	McCreary		
SX21147005	McCreary Co./Bethel Rd.-KY 1044/Meadow Grove Area Sewer System Extensions	3-5 Years	Not Funded	$512,000	McCreary		
SX21147013	McCreary County - Pride Project	3-5 Years	Not Funded	$499,955	McCreary		
SX21147016	MCWD – Toe Wad Sanitary Sewer Project	6-10 Years	Not Funded	$430,000	McCreary		
SX21147002	McCreary Co./Cabin Creek Rd.-Green Valley Rd. Area Sewer System Extensions	3-5 Years	Partially Funded	$189,000	McCreary		

Pulaski County

- 2010 census population of 63,063 (31,443 households) with 24% serviceable.
- Projected 2020 population of 71,036 (change of 7,973).
- Pulaski County has 138.07 miles of existing sewer lines.
- 17.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,310,140.
- There are no projects planned from 6 to 10 years.



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 sewer is currently available to approximately 24 percent of the county's households based on 2010 census counts. Over the next ten years approximately 534 serviceable households will be added through the construction of 17.00 miles of sewer line extensions and approximately 92 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 14.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Burnside	2	$1,594,140	-	56	-	1.00	1.00
City of Eubank	1	$3,225,000	201	-	5.00	-	10.00
City of Science Hill	3	$5,105,000	180	36	8.00	2.00	3.00
City of Somerset	2	$3,386,000	153	-	4.00	-	-
Totals:	**8**	**$13,310,140**	**534**	**92**	**17.00**	**3.00**	**14.00**

Public Wastewater Systems in Pulaski County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000069	Burnside Municipal Water Works	Pulaski	615	344
KY0094447	Science Hill Sewer	Pulaski	1,142	495
KY0026611	Somerset Utilities	Pulaski	12,914	6,236
199003845	Woodson Bend Resort	Pulaski	172	401
		Totals:	14,843	7,476

Kentucky Infrastructure Authority
February 15, 2018

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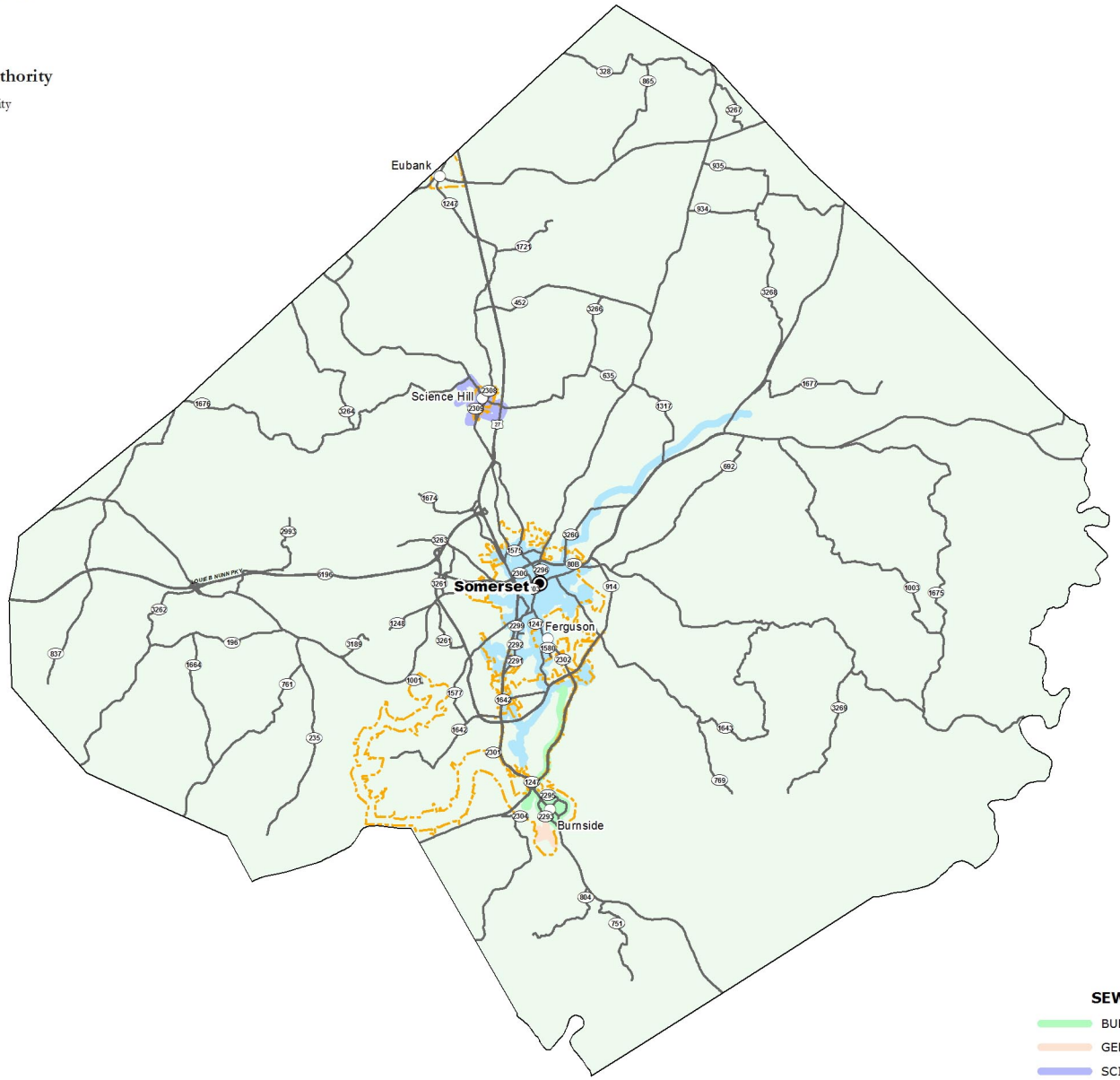


System Summary for Burnside Municipal Water Works

Permit ID	KYP000069	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	293
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	14.984
Cost Per 4000 Gallons	$39.06	Total KISOP Treated (MG)	-
Residential Customers	302	Total Treated (MG)	14.984
Commercial Customers	27	Number of Manholes	70
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 14.18 miles (Collection: 9.83 miles, Interceptors: 4.35 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
SX21199004	City of Burnside - Sewer System Improvements	3-5 Years	Not Funded	$916,000	Pulaski		

System Summary for Gen Burnside Wastewater Collection

Permit ID	KYP000082	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	19	Total KISOP Sent (MG)	0.415
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	7	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.49 miles (Collection: 1.44 miles, Interceptors: 1.04 miles).			

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

There are no immediate projects for Gen Burnside Wastewater Collection

System Summary for Green Tee Townhouses

Permit ID	KY0089826	Treats Wastewater	Yes, 0.0075 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	5	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Green Tee Townhouses

System Summary for Rainbow Terrace Mobile Village

Permit ID	KY0077119	Treats Wastewater	Yes, 0.024 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	34	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Rainbow Terrace Mobile Village

System Summary for Science Hill Sewer

Permit ID	KY0094447	Treats Wastewater	Yes, 0.15 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	425
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.68	Total KISOP Treated (MG)	-
Residential Customers	359	Total Treated (MG)	31.810
Commercial Customers	30	Number of Manholes	164
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 13.25 miles (Collection: 13.25 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Science Hill Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21199007	City Sewer Improvements - PH 2/Norwood Rd-US 27 Sewer Extension/WWTP	3-5 Years	Not Funded	$1,952,000	Pulaski		
SX21199003	City of Science Hill Sewer Phase 2 Improvements & KY HWY 1247 Se	3-5 Years	Not Funded	$1,733,000	Pulaski		
SX21199022	Science Hill Sewer 0-2 Yr. Improvements & Additions	3-5 Years	Not Funded	$1,420,000	Pulaski		

System Summary for Somerset Utilities

Permit ID	KY0026611	Treats Wastewater	Yes, 4.4 MGD with 2.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	6,316
Owner Type	Incorporated City	KISOP Sender	No
Employees	22	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$8.52	Total KISOP Treated (MG)	15.399
Residential Customers	4,359	Total Treated (MG)	947.674
Commercial Customers	1,878	Number of Manholes	5100
Institutional Customers	-	Number of Lift Stations	27
Industrial Customers	21	Percent Lines 20 yrs or Older	75%
KISOP Customers	2	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 103.91 miles (Collection: 103.91 miles, Interceptors: 0.00 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
SX21199033	Ferguson – Sanitary Sewer Extensions	3-5 Years	Not Funded	$2,940,000	Pulaski		

System Summary for Woodson Bend Resort

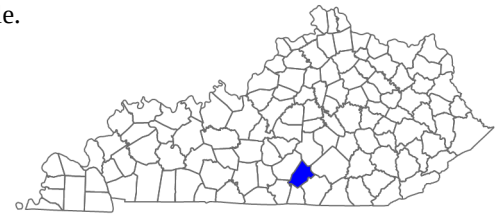
Permit ID	199003845	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	481	Total Treated (MG)	-
Commercial Customers	3	Number of Manholes	99
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 4.07 miles (Collection: 4.07 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Woodson Bend Resort

Russell County

- 2010 census population of 17,565 (9,993 households) with 33% serviceable.
- Projected 2020 population of 18,782 (change of 1,217).
- Russell County has 89.48 miles of existing sewer lines.
- 31.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,172,000.
- Estimated funding needs for projects from 6 to 10 years: $3,421,566.



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 sewer is currently available to approximately 33 percent of the county's households based on 2010 census counts. Over the next ten years approximately 792 serviceable households will be added through the construction of 31.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Albany	1	$1,697,000	-	-	1.00	-	-
City of Jamestown	1	$1,569,100	150	-	-	-	-
City of Russell Springs	4	$3,327,466	642	-	30.00	-	-
Totals:	**6**	**$6,593,566**	**792**	**-**	**31.00**	**-**	**-**

Public Wastewater Systems in Russell County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0062995	Jamestown Utilities	Russell	1,905	921
KYP000057	Russell Springs Sewer & Water Works	Russell	4,218	2,326
		Totals:	6,123	3,247

Kentucky Infrastructure Authority
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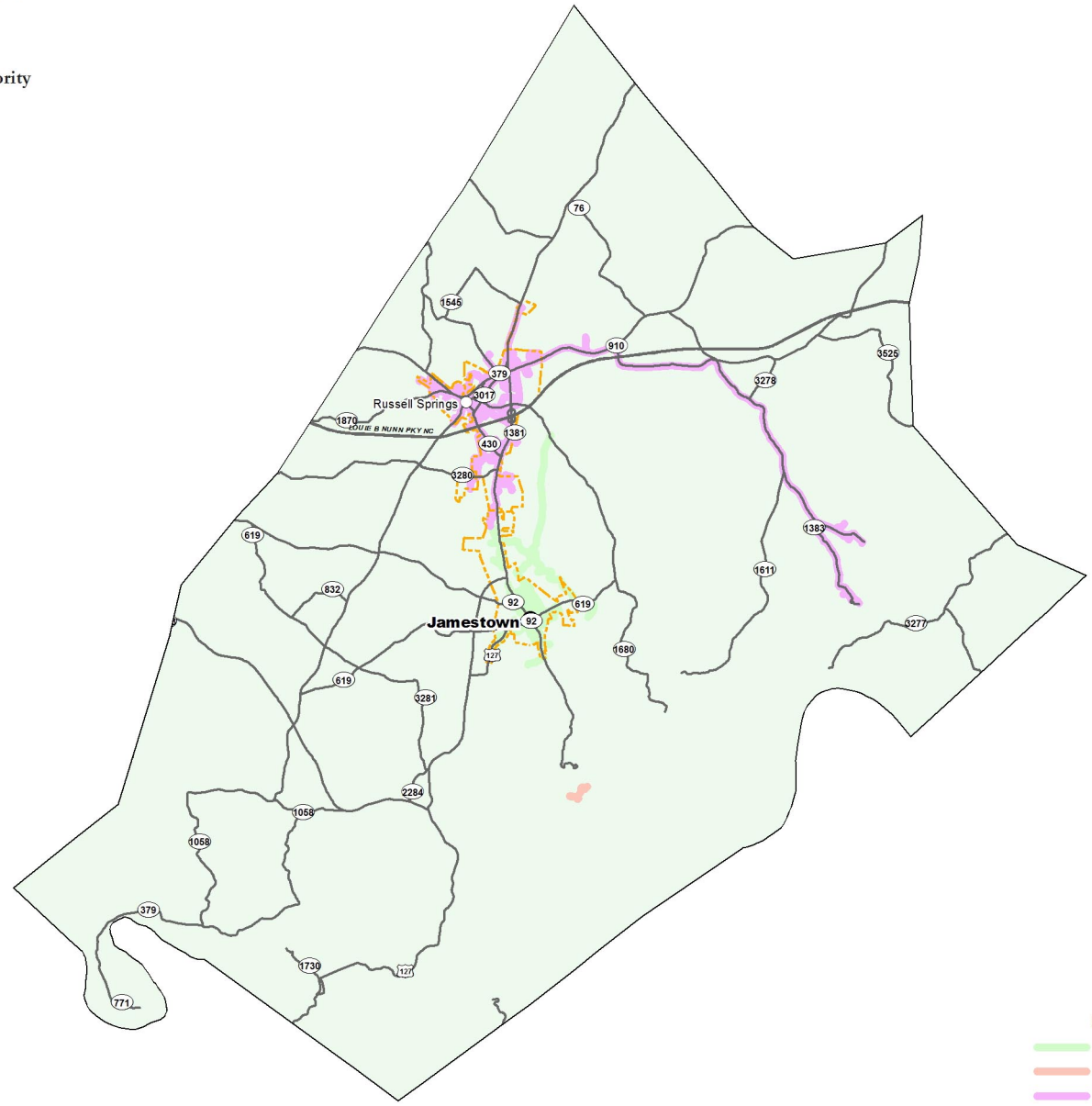


System Summary for Apple Valley Resort

Permit ID	KY0036315	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.37 miles (Collection: 0.37 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Apple Valley Resort

System Summary for Jamestown Utilities

Permit ID	KY0062995	Treats Wastewater	Yes, 3.6 MGD with 0.784 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	485
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.45	Total KISOP Treated (MG)	177.750
Residential Customers	394	Total Treated (MG)	108.249
Commercial Customers	82	Number of Manholes	161
Institutional Customers	-	Number of Lift Stations	12
Industrial Customers	8	Percent Lines 20 yrs or Older	70%
KISOP Customers	1	Has Facility Plan	Yes, 2% Constructed
Total Collection System Line Length = 24.18 miles (Collection: 22.78 miles, Interceptors: 1.40 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
SX21207013	Jamestown Utilities-Jamestown Dock Sewer Extension	6-10 Years	Not Funded	$1,569,100	Russell	7	1

System Summary for Pine Crest Park

Permit ID	KY0024066	Treats Wastewater	Yes, 0.0075 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.46 miles (Collection: 0.46 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Pine Crest Park

System Summary for Russell Springs Sewer & Water Works

Permit ID	KYP000057	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,500
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	177.750
Cost Per 4000 Gallons	$30.66	Total KISOP Treated (MG)	-
Residential Customers	1,187	Total Treated (MG)	-
Commercial Customers	248	Number of Manholes	421
Institutional Customers	-	Number of Lift Stations	34
Industrial Customers	-	Percent Lines 20 yrs or Older	40%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed

Total Collection System Line Length = 62.82 miles (Collection: 62.82 miles, Interceptors: 0.00 miles).

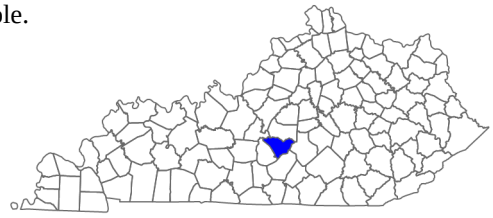
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21207012	Russell Springs-KY 1611 Pressure Sewer Extension	3-5 Years	Not Funded	$1,475,000	Russell		
SX21207011	Russell Springs-Outer City Limits Pressure Sewer Extensions	6-10 Years	Not Funded	$830,000	Russell		
SX21207002	Russell Springs Sewer Extension - No. 2	6-10 Years	Not Funded	$797,466	Russell		
SX21207014	Russell Springs/RC IDA – French Valley Business Park Sanitary SE	6-10 Years	Not Funded	$225,000	Russell		

Taylor County

- 2010 census population of 24,512 (10,864 households) with 48% serviceable.
- Projected 2020 population of 26,079 (change of 1,567).
- Taylor County has 88.28 miles of existing sewer lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,726,100.
- There are no projects planned from 6 to 10 years.



Taylor County has a 2010 census population count of 24,512 (10,864 households) with a projected 2020 population count of 26,079 (10,663 households). Public sewer is currently available to approximately 48 percent of the county's households based on 2010 census counts. Over the next ten years approximately 266 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 243 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Campbellsville	8	$8,726,100	266	243	6.00	4.00	2.00
Totals:	**8**	**$8,726,100**	**266**	**243**	**6.00**	**4.00**	**2.00**

Public Wastewater Systems in Taylor County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0054437	Campbellsville Municipal Water & Sewer System	Taylor	11,561	5,189
		Totals:	11,561	5,189

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
TAYLOR COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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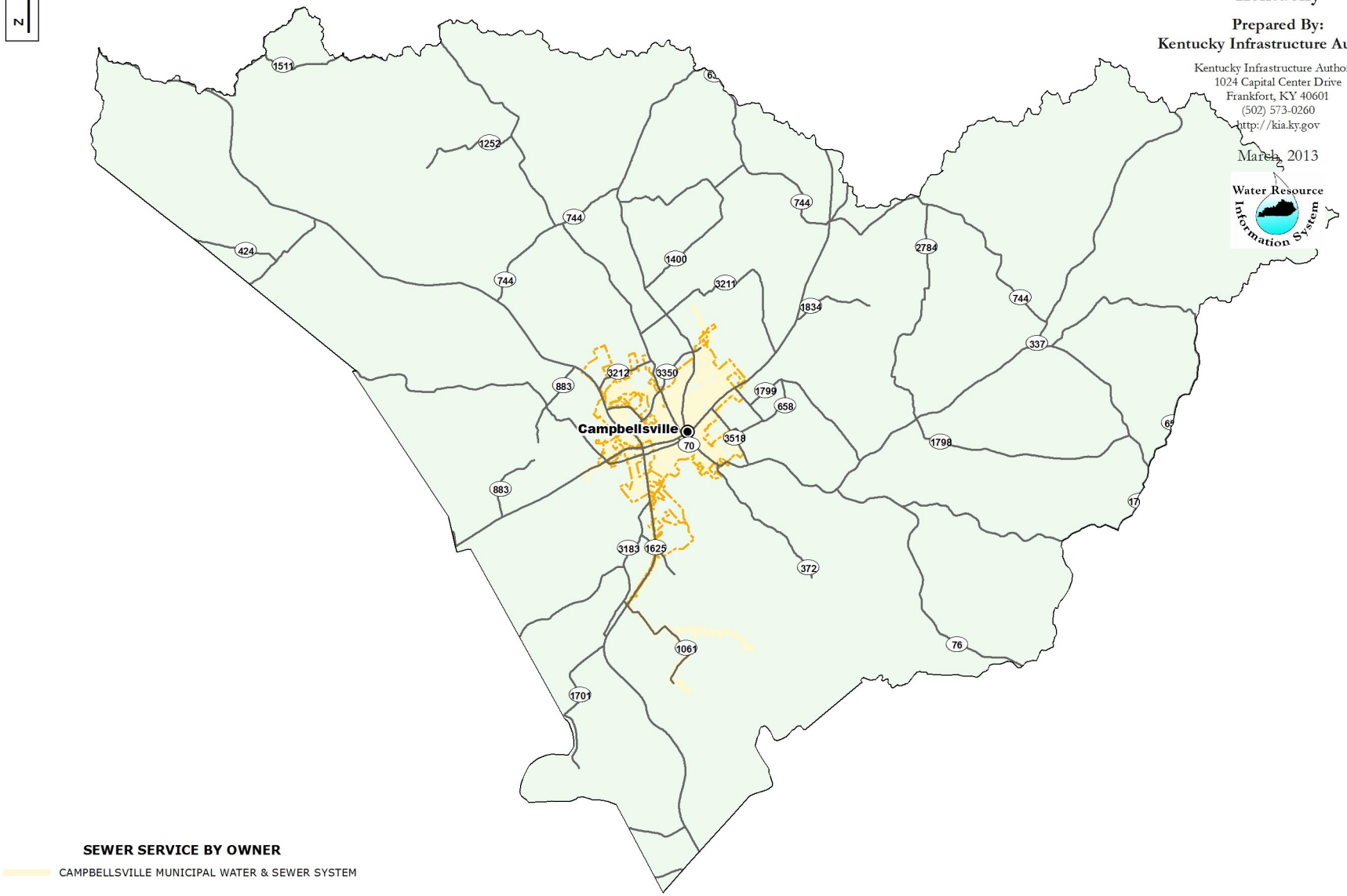
March, 2013



SEWER SERVICE BY OWNER

CAMPBELLSVILLE MUNICIPAL WATER & SEWER SYSTEM

System Summary for Campbellsville Municipal Water & Sewer System

Permit ID	KY0054437	Treats Wastewater	Yes, 4.2 MGD with 3.12 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,751
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.36	Total KISOP Treated (MG)	-
Residential Customers	3,609	Total Treated (MG)	1,140.458
Commercial Customers	1,119	Number of Manholes	2400
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	16	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 60% Constructed
Total Collection System Line Length = 88.28 miles (Collection: 88.28 miles, Interceptors: 0.00 miles).			

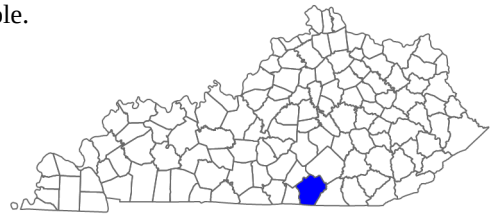
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21217008	Campbellsville Sewer System Renovation	3-5 Years	Not Funded	$788,000	Taylor	2	1
SX21217002	Wastewater Treatment Plant Flood Mitigation Project	3-5 Years	Not Funded	$2,855,000	Taylor		
SX21217003	South Campbellsville/KY 70 Area Sewer Extension Project	3-5 Years	Not Funded	$1,820,000	Taylor		
SX21217005	Trace Fork Interceptor Sewer System Improvements - Phase I	3-5 Years	Not Funded	$1,250,000	Taylor		
SX21217009	CMWS – Snow Lane and Steeple Chase Sewer System Extension	3-5 Years	Not Funded	$941,000	Taylor		
SX21217007	Campbellsville Lift Station Renovation	3-5 Years	Not Funded	$573,000	Taylor		
SX21217013	Campbellsville - Green Hill Drive Sewer Line Extension	3-5 Years	Not Funded	$308,000	Taylor		
SX21217004	Taylor County School Water & Sewer System Extension	3-5 Years	Not Funded	$191,100	Taylor		

Wayne County

- 2010 census population of 20,813 (10,942 households) with 29% serviceable.
- Projected 2020 population of 22,128 (change of 1,315).
- Wayne County has 55.50 miles of existing sewer lines.
- 27.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 12.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $27,519,000.
- Estimated funding needs for projects from 6 to 10 years: $1,043,000.



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 sewer is currently available to approximately 29 percent of the county's households based on 2010 census counts. Over the next ten years approximately 432 serviceable households will be added through the construction of 27.00 miles of sewer line extensions and approximately 36 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 12.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Monticello	12	$28,562,000	432	36	27.00	4.00	12.00
Totals:	**12**	**$28,562,000**	**432**	**36**	**27.00**	**4.00**	**12.00**

Public Wastewater Systems in Wayne County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0033847	Monticello Utility Commission	Wayne	6,803	3,137
		Totals:	6,803	3,137

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
WAYNE COUNTY
Kentucky

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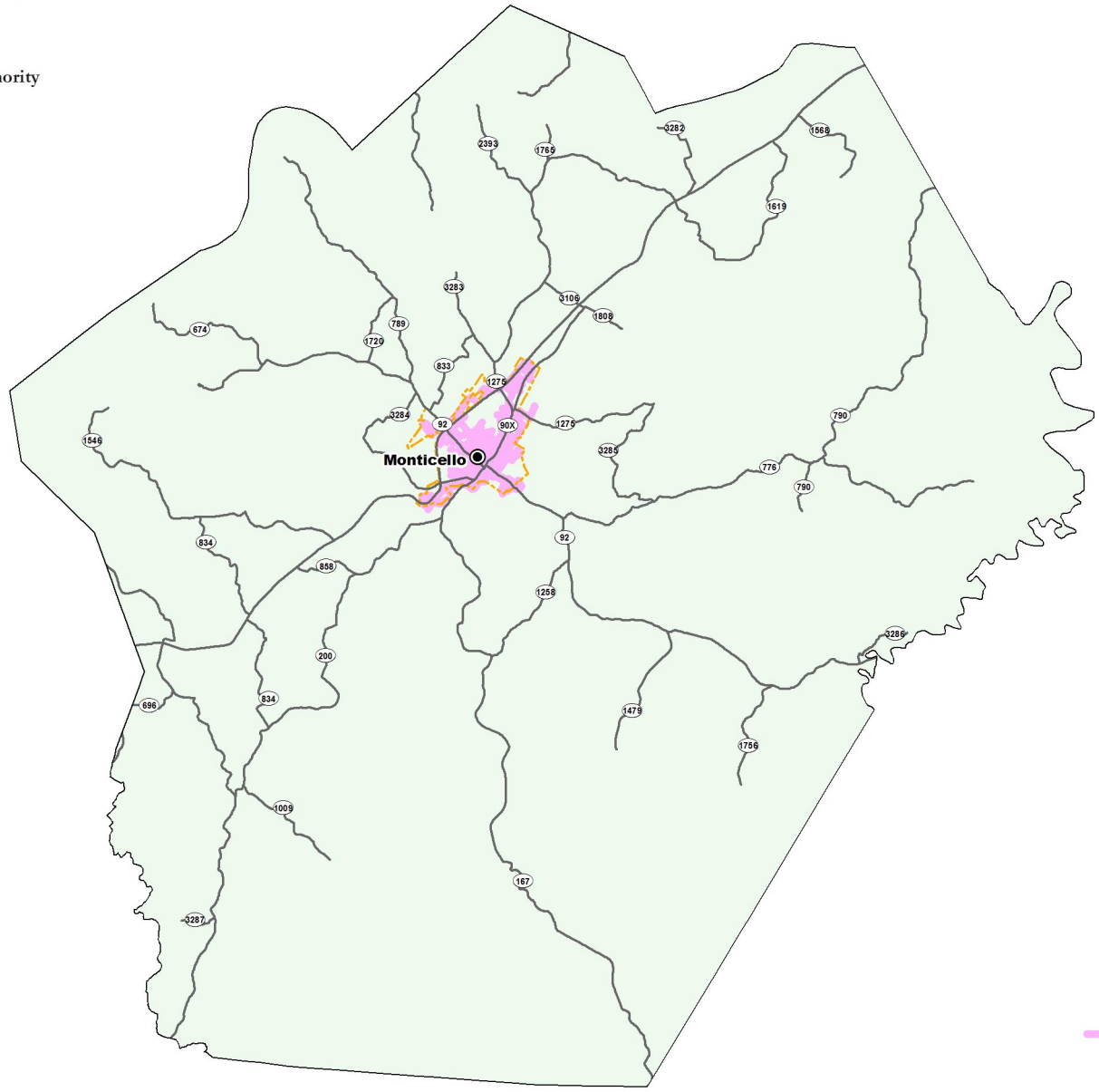


System Summary for Monticello Utility Commission

Permit ID	KY0033847	Treats Wastewater	Yes, 2.1 MGD with 0.503 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,395
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.29	Total KISOP Treated (MG)	-
Residential Customers	2,075	Total Treated (MG)	4.961
Commercial Customers	320	Number of Manholes	1005
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 1% Constructed
Total Collection System Line Length = 54.51 miles (Collection: 54.51 miles, Interceptors: 0.00 miles).			

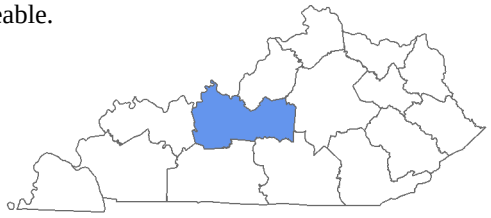
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21231017	Sanitary Sewer Improvements - Phase 1 and Carter Road	3-5 Years	Not Funded	$3,575,000	Wayne	4	1
SX21231016	MUC – Wastewater Treatment Plant Upgrades	3-5 Years	Not Funded	$8,620,000	Wayne		
SX21231009	Sanitary Sewer Extensions - KY 90 East/Eastview Subdivision/Fran	3-5 Years	Not Funded	$5,708,000	Wayne		
SX21231006	Monticello/Elk Creek Interceptor Sewer Line	3-5 Years	Not Funded	$2,070,000	Wayne		
SX21231007	Monticello/Conley Bottom Sewer Transport System	3-5 Years	Not Funded	$1,494,000	Wayne		
SX21231013	Monticello – Western Monticello Sanitary Sewer Improvements	3-5 Years	Not Funded	$1,320,000	Wayne		
SX21231010	West KY 90 Sanitary Sewer Extensions- Phase 2	0-2 Years	Not Funded	$890,000	Wayne		
SX21231012	Monticello – Hiland View Sanitary Sewer Extensions	3-5 Years	Not Funded	$880,000	Wayne		
SX21231001	Monticello-Lincoln/Highland Street Sewer Extension Project	6-10 Years	Not Funded	$581,000	Wayne		
SX21231005	Monticello/Ramsey St. Sewer Line Renovation	6-10 Years	Not Funded	$462,000	Wayne		
SX21231003	Monticello/Hill Rise/Beech Valley/Bean St. Lift Station Renovation	3-5 Years	Not Funded	$272,000	Wayne		

Lincoln Trail Area Development District (LTADD)

- 2010 census population of 269,117 (116,687 households) with 41% serviceable.
- Projected 2020 population of 295,040 (change of 25,923).
- 978.80 miles of existing sewer lines.
- 64.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 33.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $104,226,073.
- Estimated funding needs for projects from 6 to 10 years: $258,970.
- Average age of wastewater treatment plants is 34 years.
- Total number of interconnected systems is 3.
- 177 miles of sewer lines less than 15 years old.
- 249 miles of sewer lines between 15 and 30 years old.
- 147 miles of sewer lines between 31 and 50 years old.
- 383 miles of sewer lines between 51 and 70 years old.
- 22 miles of sewer lines greater than 70 years old.



Lincoln Trail Area Development District has a 2010 census population count of 269,117 (116,687 households) with a projected 2020 population count of 295,040 (117,392 households). Public sewer is currently available to approximately 41 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,888 serviceable households will be added through the construction of 64.00 miles of sewer line extensions and approximately 8,702 instances of improved service through the rehabilitation of 5.00 miles of existing sewer lines and other appurtenances. 33.00 miles of interceptor lines are also proposed within this district.

County Summary for Lincoln Trail Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Breckinridge	20,059	10,630	21,489	8,788	1,586	15%	$ 10,841,480
Grayson	25,746	13,561	27,048	11,007	3,371	25%	$ 2,873,250
Hardin	105,543	43,261	116,612	46,055	25,746	60%	$ 43,247,143
Larue	14,193	6,172	14,961	6,069	1,577	26%	$ 5,456,465
Marion	19,820	8,182	21,424	8,332	3,290	40%	$ 5,024,300
Meade	28,602	11,762	30,901	11,964	2,567	22%	$ 4,345,000
Nelson	43,437	18,075	50,119	20,219	8,293	46%	$ 14,322,740
Washington	11,717	5,044	12,486	4,958	1,311	26%	$ 18,374,665
Totals	**269,117**	**116,687**	**295,040**	**117,392**	**47,741**	**41%**	**$ 104,485,043**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

LTADD

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Kentucky Infrastructure Authority

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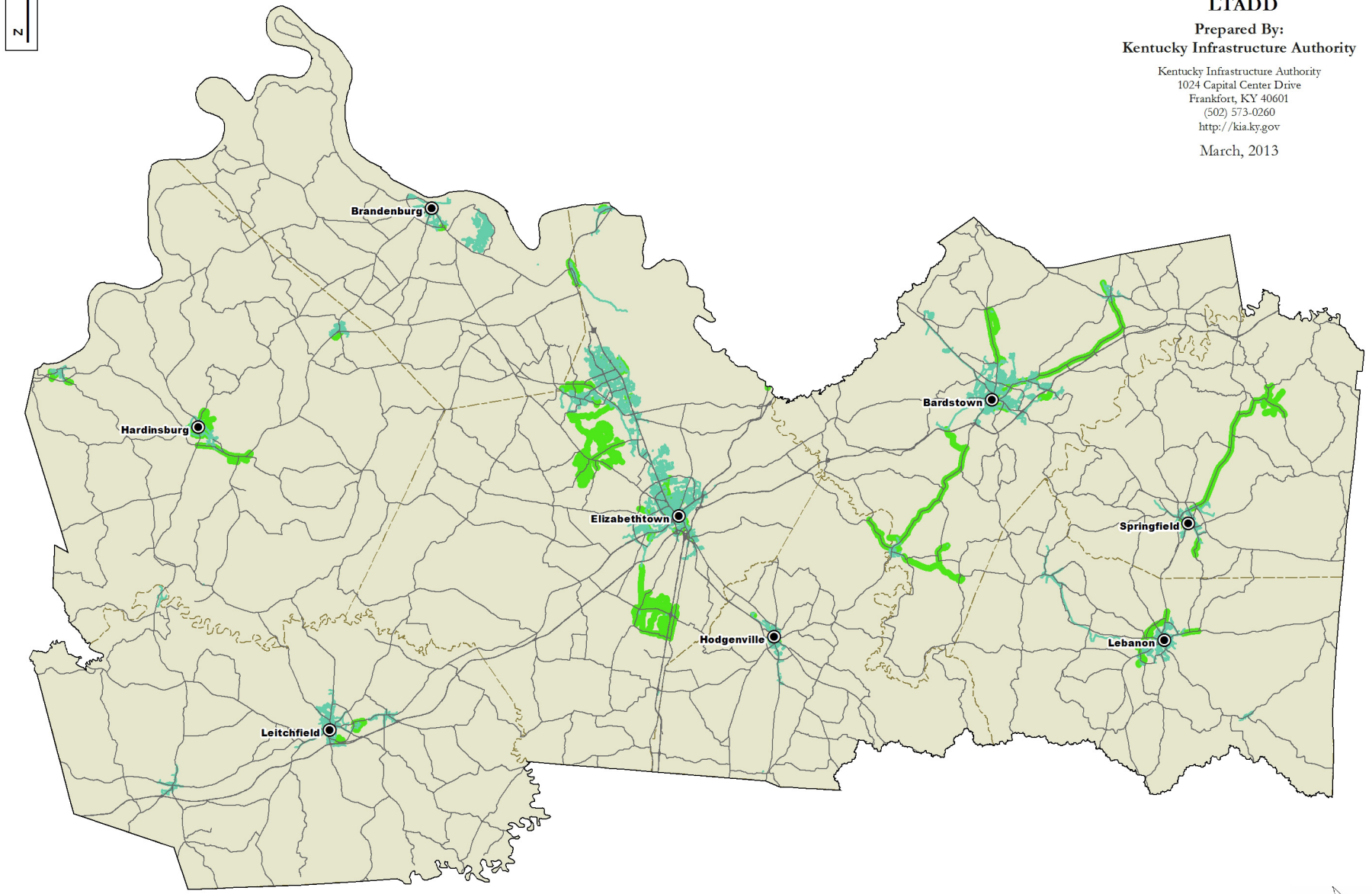
March, 2013



Public Sewer Systems in the Lincoln Trail Area Development District

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

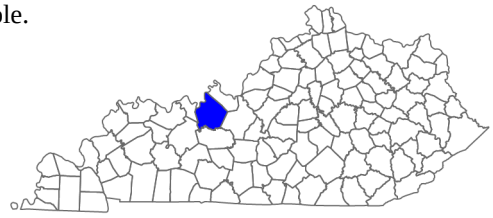
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026701	Cloverport Sewer System	Breckinridge	1,071	527
KY0028363	Hardinsburg Sewer System	Breckinridge	2,242	1,054
KY0072044	Caneyville Sewer System	Grayson	609	301
KY0090590	Clarkson Sewer System	Grayson	898	448
KY0022934	Leitchfield Utilities Commission	Grayson	6,217	2,616
KY0022039	Elizabethtown Wastewater System	Hardin	29,554	13,152
KY0022390	Hardin Co. Water District No. 1 Radcliff Sewer System	Hardin	23,214	10,059
KY0024988	Vine Grove Sewer System	Hardin	5,020	2,092
KY0022152	West Point Sewer System	Hardin	839	445
KY0026379	Hodgenville Sewer System	Larue	3,647	1,576
KY0090719	Bradfordsville Sewer System	Marion	304	150
KY0026549	Lebanon Sewer System	Marion	6,123	2,819
KYP000073	Loretto Wastewater System	Marion	803	321
KY0021474	Brandenburg Sewer System	Meade	2,797	1,213
KY0043478	Doe Valley Association Inc	Meade	1,878	820
KYP000051	Muldraugh Sewer System	Meade	936	532
KY0021237	Bardstown Sewer System	Nelson	17,207	7,447
KYP000086	Bloomfield Wastewater Collection System	Nelson	978	441
KY0034126	New Haven Sewer System	Nelson	938	406
KY0020907	Springfield Water & Sewer Commission	Washington	2,714	1,311
		Totals:	107,989	47,730

Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21179020	New Haven Phase I Sewer Extension to Gethsemani Monastery	3-5 Years	Not Funded	$791,000	Nelson	1	5
SX21027005	Cloverport Wastewater Plant Improvements	3-5 Years	Not Funded	$1,070,000	Breckinridge	2	1
SX21093025	West Point WWTP Renovation	3-5 Years	Not Funded	$3,257,000	Hardin	3	1
SX21123007	Hodgenville WWTP Upgrade & Wet Weather Storage	0-2 Years	Not Funded	$3,570,000	Larue	4	1
SX21179013	New Haven - WWTP Improvements Projects	3-5 Years	Not Funded	$1,136,000	Nelson	5	1
SX21085008	Leitchfield Fountain View Sewer Extensions Phase II	3-5 Years	Not Funded	$535,000	Grayson	6	1
SX21093031	Airview Estates Sewer	0-2 Years	Not Funded	$1,656,500	Hardin	7	4
SX21179029	Rowan Creek Sewer Upgrade	3-5 Years	Not Funded	$6,999,740	Nelson	8	2
SX21179025	New Haven Outfall to Rolling Fork	3-5 Years	Not Funded	$240,000	Nelson	9	4
SX21229010	Springfield Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	$11,903,720	Washington	10	1
SX21155009	Lebanon Wastewater System Rehabilitation and Improvements	0-2 Years	Not Funded	$995,000	Marion	11	1
SX21163007	Brandenburg Wastewater Treatment Plant Upgrade & Expansion	3-5 Years	Not Funded	$3,315,000	Meade	12	1
SX21027013	Hardinsburg Sewer System Rehabilitation Phase 2	0-2 Years	Not Funded	$1,000,000	Breckinridge	13	2
SX21093011	HCWD #1 Racliff Standby Generator Project	0-2 Years	Not Funded	$1,597,200	Hardin	14	2
SX21155005	Crossroads Industrial Park Sewer Extension	3-5 Years	Not Funded	$390,000	Marion	15	2
SX21163005	Muldraugh Sewer Improvements Phase 3	3-5 Years	Not Funded	$1,030,000	Meade	16	2
SX21229006	Springfield - Washington County Regional Sewer Study	3-5 Years	Not Funded	$150,000	Washington	17	2
SX21027010	Irvington Sanitary Sewer Improvements	3-5 Years	Not Funded	$3,000,000	Breckinridge	18	4
SX21027015	Cloverport Trailer Park Sewer Rehab	0-2 Years	Not Funded	$146,040	Breckinridge	19	5
SX21093013	Vine Grove Wastewater Treatment Upgrade & Expansion	3-5 Years	Not Funded	$3,080,000	Hardin	20	3
SX21027020	Irvington Manhole Rehabilitation Project	0-2 Years	Not Funded	$91,390	Breckinridge	21	3
SX21155007	Lebanon / Marion Industrial Pre-Treatment Facility	3-5 Years	Not Funded	$2,700,000	Marion	22	4
SX21229004	Springfield, Jim Town Project	3-5 Years	Not Funded	$1,000,000	Washington	23	4
SX21093021	West Point Lift Station Upgrad	3-5 Years	Not Funded	$343,350	Hardin	24	5
SX21179018	Nelson County Industrial Park Wastewater Project	3-5 Years	Not Funded	$300,000	Nelson	25	3
SX21229005	Willisburg Wastewater Project	3-5 Years	Not Funded	$3,400,000	Washington	26	3
SX21155001	Lebanon Wastewater System Improvements	3-5 Years	Not Funded	$293,000	Marion	27	3
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	$600,000	Nelson	28	
SX21027006	City of Hardinsburg: Blancett Lake-Airport Road Wastewater System Extension	3-5 Years	Not Funded	$707,670	Breckinridge	29	
SX21027007	City of Hardinsburg: Breckwood Wastewater System Extension	3-5 Years	Not Funded	$476,300	Breckinridge	30	
			Total Cost:	**$55,773,910**			

Breckinridge County

- 2010 census population of 20,059 (10,630 households) with 15% serviceable.
- Projected 2020 population of 21,489 (change of 1,430).
- Breckinridge County has 44.07 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $10,582,510.
- Estimated funding needs for projects from 6 to 10 years: $258,970.



Breckinridge County has a 2010 census population count of 20,059 (10,630 households) with a projected 2020 population count of 21,489 (8,788 households). Public sewer is currently available to approximately 15 percent of the county's households based on 2010 census counts. Over the next ten years approximately 247 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 790 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Cloverport	4	$1,726,795	21	285	1.00	-	-
City of Hardinsburg	8	$5,768,685	204	305	10.00	2.00	1.00
City of Irvington	3	$3,346,000	22	200	1.00	-	-
Totals:	**15**	**$10,841,480**	**247**	**790**	**12.00**	**2.00**	**1.00**

Public Wastewater Systems in Breckinridge County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026701	Cloverport Sewer System	Breckinridge	1,071	527
KY0028363	Hardinsburg Sewer System	Breckinridge	2,242	1,054
		Totals:	3,313	1,581

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BRECKINRIDGE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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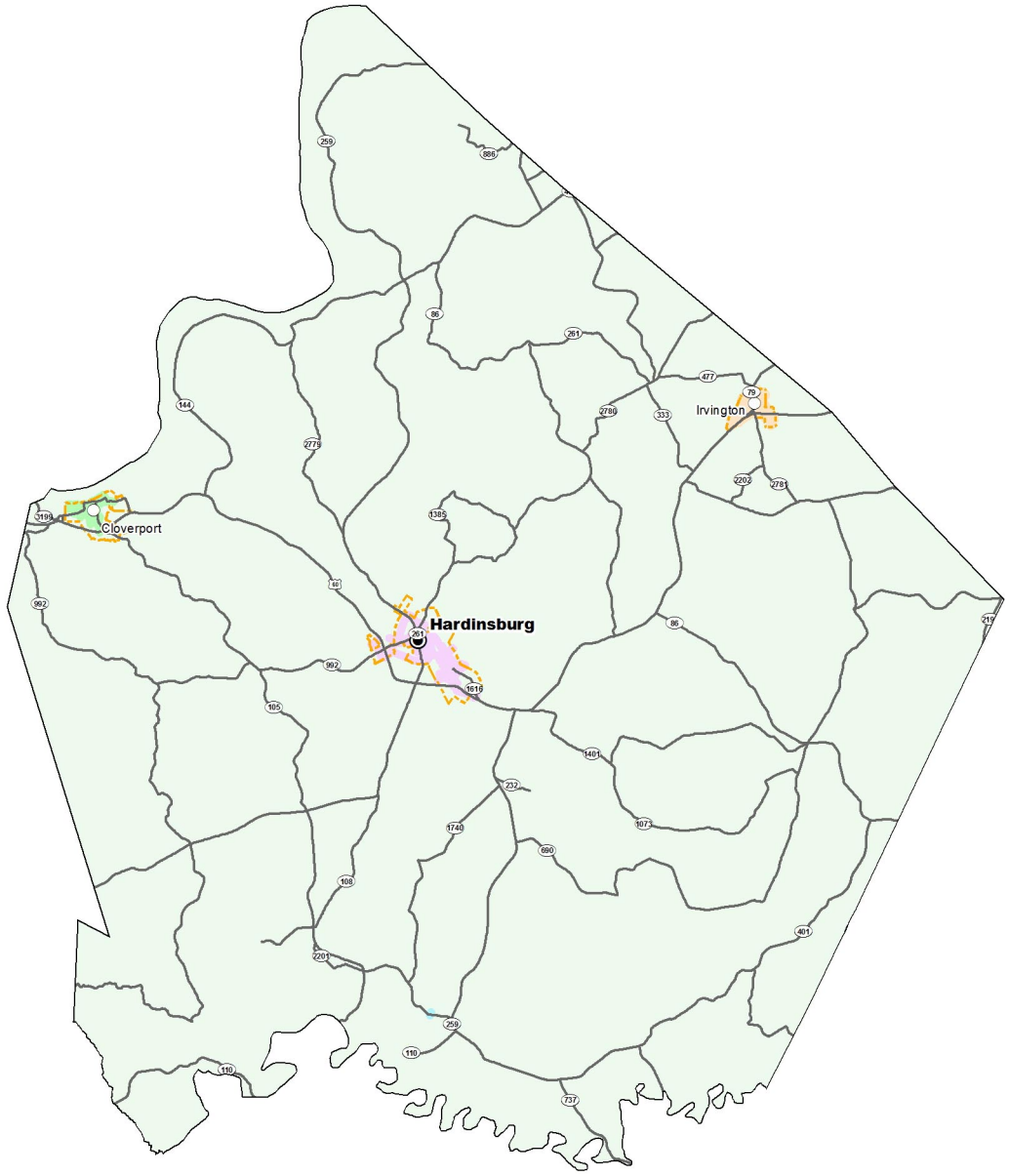
March, 2013



SEWER SERVICE BY OWNER

- CLOVERPORT SEWER SYSTEM
- HARDINSBURG SEWER SYSTEM
- IRVINGTON SEWER SYSTEM
- USCOE ROUGH RIVER LAKE AXTEL SITE

System Summary for Cloverport Sewer System

Permit ID	KY0026701	Treats Wastewater	Yes, 0.2 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	555
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.20	Total KISOP Treated (MG)	-
Residential Customers	530	Total Treated (MG)	55.230
Commercial Customers	24	Number of Manholes	163
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 9.55 miles (Collection: 8.64 miles, Interceptors: 0.91 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Cloverport Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21027005	Cloverport Wastewater Plant Improvements	3-5 Years	Not Funded	$1,070,000	Breckinridge	2	1
SX21027015	Cloverport Trailer Park Sewer Rehab	0-2 Years	Not Funded	$146,040	Breckinridge	19	5
SX21027011	Cloverport Hwy 105 Sewer Extension	3-5 Years	Partially Funded	$388,655	Breckinridge		
SX21027018	Cloverport Sewer System Lift Station Rehabilitation	0-2 Years	Not Funded	$122,100	Breckinridge		

System Summary for Hardinsburg Sewer System

Permit ID	KY0028363	Treats Wastewater	Yes, 0.73 MGD with 0.56 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,247
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.23	Total KISOP Treated (MG)	-
Residential Customers	897	Total Treated (MG)	170.683
Commercial Customers	167	Number of Manholes	341
Institutional Customers	5	Number of Lift Stations	7
Industrial Customers	4	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 22.59 miles (Collection: 19.76 miles, Interceptors: 2.83 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hardinsburg Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21027013	Hardinsburg Sewer System Rehabilitation Phase 2	0-2 Years	Not Funded	$1,000,000	Breckinridge	13	2
SX21027006	City of Hardinsburg: Blancett Lake-Airport Road Wastewater System Extension	3-5 Years	Not Funded	$707,670	Breckinridge	29	
SX21027007	City of Hardinsburg: Breckwood Wastewater System Extension	3-5 Years	Not Funded	$476,300	Breckinridge	30	
SX21027017	Hardinsburg Hwy 60 East Sewer Extensions	3-5 Years	Not Funded	$2,411,175	Breckinridge		
SX21027016	Hardinsburg Sewer Rehabilitation Phase III	3-5 Years	Not Funded	$500,000	Breckinridge		
SX21027008	City of Hardinsburg: Gilbert Heights Wastewater System Extension	3-5 Years	Not Funded	$314,570	Breckinridge		
SX21027014	Forest View Subdivision Sewer Extension	6-10 Years	Not Funded	$258,970	Breckinridge		
SX21027004	Breckinridge County/George Bennett Sewer Line Upgrade	3-5 Years	Not Funded	$100,000	Breckinridge		

System Summary for Irvington Sewer System

Permit ID	KY0092436	Treats Wastewater	Yes, 0.14 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.02	Total KISOP Treated (MG)	-
Residential Customers	448	Total Treated (MG)	28.410
Commercial Customers	30	Number of Manholes	43
Institutional Customers	1	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 11.91 miles (Collection: 0.21 miles, Interceptors: 11.70 miles).			

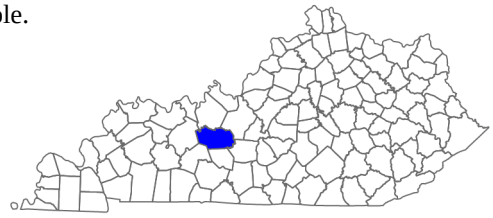
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Irvington Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21027010	Irvington Sanitary Sewer Improvements	3-5 Years	Not Funded	$3,000,000	Breckinridge	18	4
SX21027020	Irvington Manhole Rehabilitation Project	0-2 Years	Not Funded	$91,390	Breckinridge	21	3
SX21027019	Irvington Ater Heights Sewer Extension	0-2 Years	Not Funded	$254,610	Breckinridge		

Grayson County

- 2010 census population of 25,746 (13,561 households) with 25% serviceable.
- Projected 2020 population of 27,048 (change of 1,302).
- Grayson County has 82.75 miles of existing sewer lines.
- 2.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,873,250.
- There are no projects planned from 6 to 10 years.



Grayson County has a 2010 census population count of 25,746 (13,561 households) with a projected 2020 population count of 27,048 (11,007 households). Public sewer is currently available to approximately 25 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 2.00 miles of sewer line extensions and approximately 364 instances of improved service through system wide upgrades. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Clarkson	2	$1,328,250	-	364	-	-	1.00
City of Leitchfield	1	$535,000	20	-	2.00	-	-
Leitchfield Utility Commission	1	$1,010,000	-	-	-	-	-
Totals:	**4**	**$2,873,250**	**20**	**364**	**2.00**	**-**	**1.00**

Public Wastewater Systems in Grayson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0072044	Caneyville Sewer System	Grayson	609	301
KY0090590	Clarkson Sewer System	Grayson	898	448
KY0022934	Leitchfield Utilities Commission	Grayson	6,217	2,616
		Totals:	7,724	3,365

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
GRAYSON COUNTY
Kentucky

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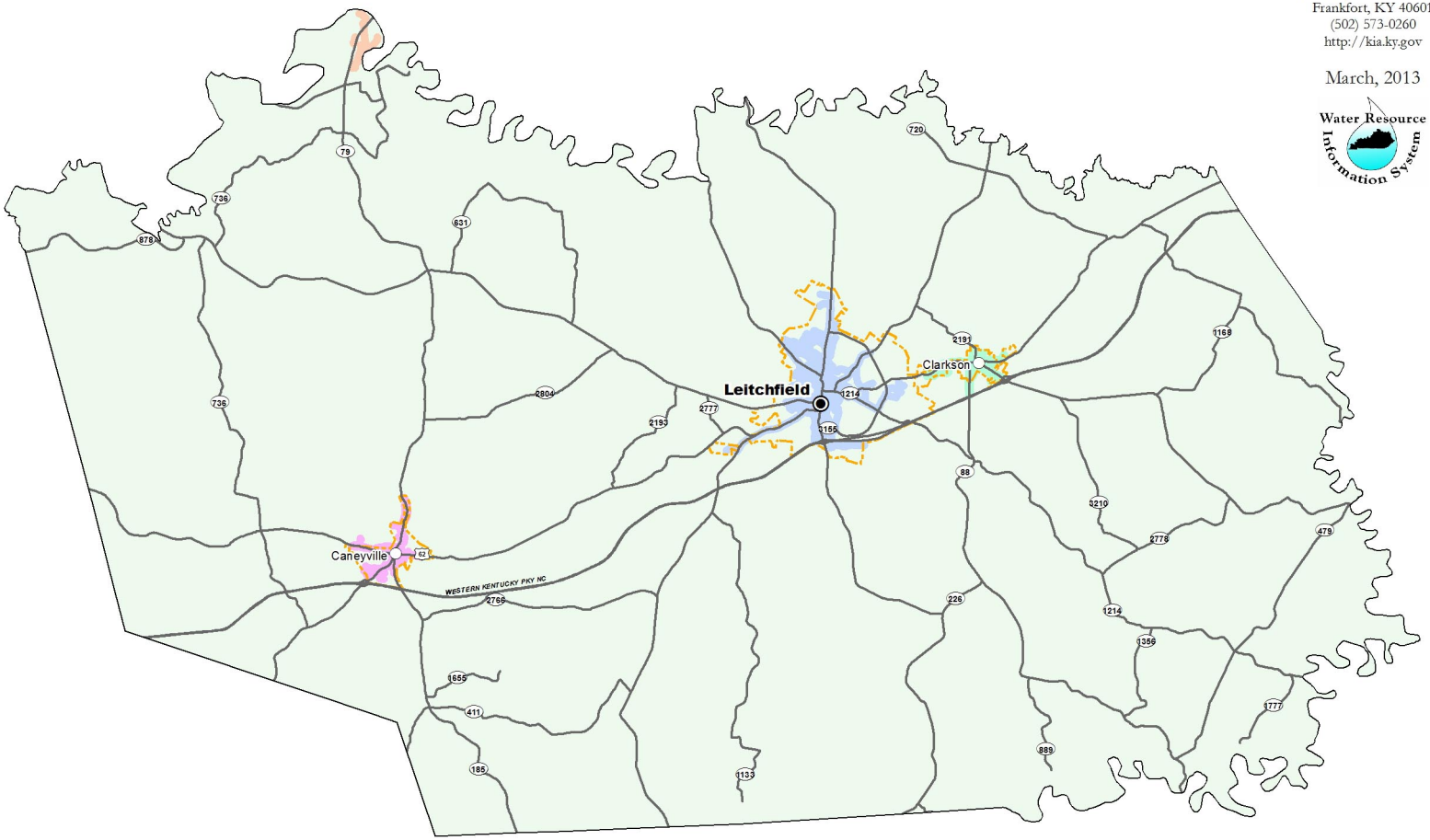


SEWER SERVICE BY OWNER

- CANEYVILLE SEWER SYSTEM
- CLARKSON SEWER SYSTEM
- LEITCHFIELD UTILITIES COMMISSION
- ROUGH RIVER DAM STATE RESORT PARK

System Summary for Caneyville Sewer System

Permit ID	KY0072044	Treats Wastewater	Yes, 0.1 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	255
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.67	Total KISOP Treated (MG)	-
Residential Customers	202	Total Treated (MG)	31.680
Commercial Customers	34	Number of Manholes	84
Institutional Customers	4	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 10.98 miles (Collection: 9.95 miles, Interceptors: 1.03 miles).			

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

There are no immediate projects for Caneyville Sewer System

System Summary for Clarkson Sewer System

Permit ID	KY0090590	Treats Wastewater	Yes, 0.04 MGD with 0.03 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	475
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.20	Total KISOP Treated (MG)	-
Residential Customers	400	Total Treated (MG)	16.250
Commercial Customers	75	Number of Manholes	132
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 11.53 miles (Collection: 8.77 miles, Interceptors: 2.76 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Clarkson Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21085009	Clarkson Sewer System Improvements	3-5 Years	Partially Funded	$1,000,000	Grayson		
SX21085011	Clarkson Wastewater Extension	0-2 Years	Not Funded	$328,250	Grayson		

System Summary for Leitchfield Utilities Commission

Permit ID	KY0022934	Treats Wastewater	Yes, 2 MGD with 1.22 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,286
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.75	Total KISOP Treated (MG)	-
Residential Customers	1,935	Total Treated (MG)	461.760
Commercial Customers	412	Number of Manholes	886
Institutional Customers	-	Number of Lift Stations	28
Industrial Customers	21	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 57.35 miles (Collection: 44.62 miles, Interceptors: 12.73 miles).			

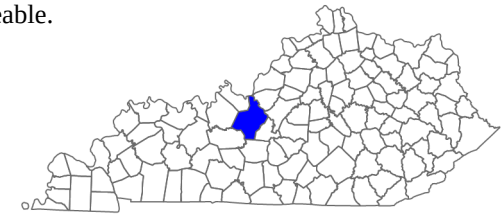
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21085008	Leitchfield Fountain View Sewer Extensions Phase II	3-5 Years	Not Funded	$535,000	Grayson	6	1
SX21085010	Leitchfield Utility Energy Savings Project	0-2 Years	Not Funded	$1,010,000	Grayson		

Hardin County

- 2010 census population of 105,543 (43,261 households) with 60% serviceable.
- Projected 2020 population of 116,612 (change of 11,069).
- Hardin County has 447.32 miles of existing sewer lines.
- 32.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $43,247,143.
- There are no projects planned from 6 to 10 years.



Hardin County has a 2010 census population count of 105,543 (43,261 households) with a projected 2020 population count of 116,612 (46,055 households). Public sewer is currently available to approximately 60 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,243 serviceable households will be added through the construction of 32.00 miles of sewer line extensions and approximately 771 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Elizabethtown	2	$4,372,273	1	621	1.00	1.00	2.00
City of Lebanon Junction	1	$265,820	1	-	-	-	-
City of Vine Grove	2	$3,949,000	-	-	-	-	-
City of West Point	3	$4,107,850	-	150	-	-	-
Hardin County Water District #1	4	$6,552,200	-	-	5.00	-	1.00
Hardin County Water District #2	1	$24,000,000	1,241	-	26.00	-	-
Totals:	**13**	**$43,247,143**	**1,243**	**771**	**32.00**	**1.00**	**3.00**

Public Wastewater Systems in Hardin County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0022039	Elizabethtown Wastewater System	Hardin	29,554	13,152
KY0022390	Hardin Co. Water District No. 1 Radcliff Sewer System	Hardin	23,214	10,059
KY0024988	Vine Grove Sewer System	Hardin	5,015	2,090
KY0022152	West Point Sewer System	Hardin	839	445
		Totals:	58,622	25,746

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HARDIN COUNTY
Kentucky

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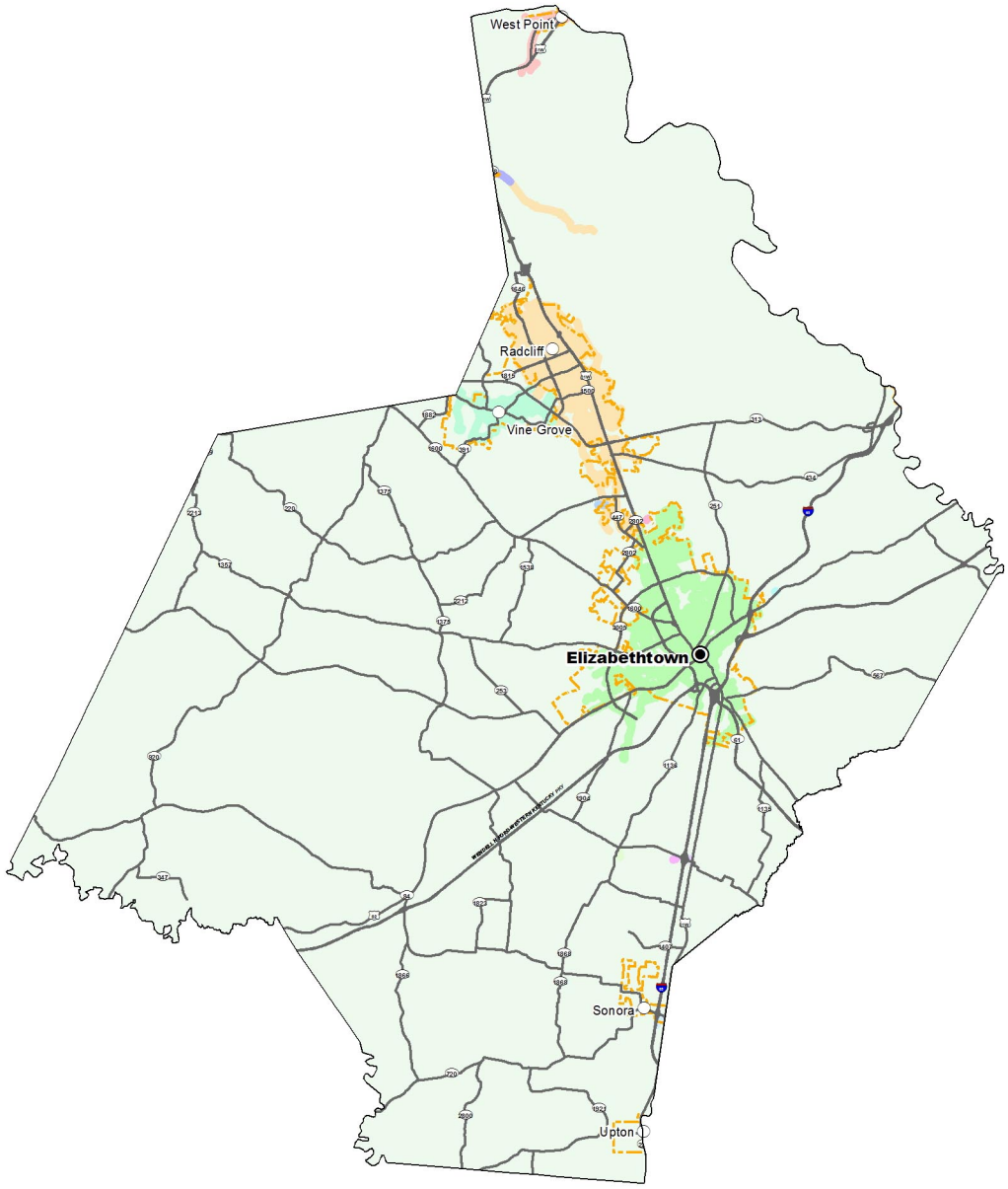

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SEWER SERVICE BY OWNER

- AIRVIEW ESTATES SUBDIVISION
- EAST HARDIN MIDDLE SCHOOL
- ELIZABETHTOWN WASTEWATER SYSTEM
- GLENDALE AUTO TRUCK PLAZA
- HCWD #1 RADCLIFF SEWER SYSTEM
- HEARTLAND MOBILE HOME COMMUNITY
- LINCOLN TRAIL ELEM SCHOOL
- MULDRAUGH SEWER SYSTEM
- PETRO STOPPING CENTERS
- SONORA AUTO TRUCK PLAZA
- VINE GROVE SEWER SYSTEM
- WEST POINT SEWER SYSTEM

System Summary for Airview Estates Subdivision

Permit ID	KY0045390	Treats Wastewater	Yes, 0.055 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Airview Estates Subdivision

System Summary for Elizabethtown Wastewater System

Permit ID	KY0022039	Treats Wastewater	Yes, 13 MGD with 6.09 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	27	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.80	Total KISOP Treated (MG)	-
Residential Customers	10,180	Total Treated (MG)	2,596.000
Commercial Customers	2,149	Number of Manholes	5239
Institutional Customers	-	Number of Lift Stations	34
Industrial Customers	29	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 241.59 miles (Collection: 212.07 miles, Interceptors: 29.52 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Elizabethtown Wastewater System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21093026	Hawkins Drive Sewer Improvements	0-2 Years	Partially Funded	$4,062,423	Hardin		
SX21093028	Poplar Drive Sewer Improvements	0-2 Years	Not Funded	$2,885,000	Hardin		
SX21093027	Harvard Drive Sewer Improvements	0-2 Years	Partially Funded	$309,850	Hardin		

System Summary for Hardin Co. Water District No. 1 Radcliff Sewer System

Permit ID	KY0022390	Treats Wastewater	Yes, 6 MGD with 3.3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	8,865
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	18	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$64.86	Total KISOP Treated (MG)	-
Residential Customers	8,002	Total Treated (MG)	1,432.000
Commercial Customers	675	Number of Manholes	2952
Institutional Customers	-	Number of Lift Stations	54
Industrial Customers	1	Percent Lines 20 yrs or Older	64%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 150.51 miles (Collection: 128.49 miles, Interceptors: 22.02 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hardin Co. Water District No. 1 Radcliff Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21093025	West Point WWTP Renovation	3-5 Years	Not Funded	$3,257,000	Hardin	3	1
SX21093011	HCWD #1 Racliff Standby Generator Project	0-2 Years	Not Funded	$1,597,200	Hardin	14	2
SX21093021	West Point Lift Station Upgrad	3-5 Years	Not Funded	$343,350	Hardin	24	5
SX21093019	HCWD#2 Northern Hardin Co. Wastewater Project	3-5 Years	Not Funded	$24,000,000	Hardin		
SX21093023	HCWD#1 Radcliff Lift Station & Sewer Line Upgrades	0-2 Years	Not Funded	$2,570,000	Hardin		
SX21093022	HCWD#1 Boone Trace Sewer Improvements	0-2 Years	Not Funded	$2,000,000	Hardin		
SX21093020	HCWD#1 Radcliff WWTP Improvements	0-2 Years	Not Funded	$385,000	Hardin		

System Summary for Heartland Mobile Home Community

Permit ID	KY0097233	Treats Wastewater	Yes, 0.007 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.50	Total KISOP Treated (MG)	-
Residential Customers	32	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	3
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Heartland Mobile Home Community

System Summary for Vine Grove Sewer System

Permit ID	KY0024988	Treats Wastewater	Yes, 0.71 MGD with 0.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,368
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.76	Total KISOP Treated (MG)	-
Residential Customers	2,302	Total Treated (MG)	134.640
Commercial Customers	47	Number of Manholes	600
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 45.89 miles (Collection: 42.98 miles, Interceptors: 2.91 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Vine Grove Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21093013	Vine Grove Wastewater Treatment Upgrade & Expansion	3-5 Years	Not Funded	$3,080,000	Hardin	20	3
SX21093030	Vine Grove WWTP Improvements I	0-2 Years	Not Funded	$869,000	Hardin		

System Summary for West Point Sewer System

Permit ID	KY0022152	Treats Wastewater	Yes, 0.2 MGD with 0.078 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	415
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.50	Total KISOP Treated (MG)	-
Residential Customers	356	Total Treated (MG)	39.600
Commercial Customers	40	Number of Manholes	85
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	98%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 8.39 miles (Collection: 6.01 miles, Interceptors: 2.38 miles).			

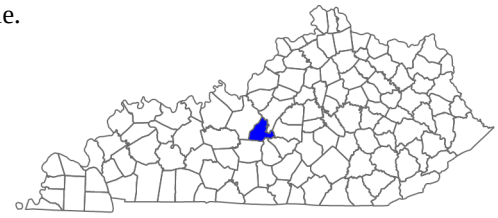
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for West Point Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21093024	West Point Sewer Rehabilitation and Drainage Improvements III	3-5 Years	Partially Funded	$507,500	Hardin		

Larue County

- 2010 census population of 14,193 (6,172 households) with 26% serviceable.
- Projected 2020 population of 14,961 (change of 768).
- Larue County has 28.72 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,456,465.
- There are no projects planned from 6 to 10 years.



Larue County has a 2010 census population count of 14,193 (6,172 households) with a projected 2020 population count of 14,961 (6,069 households). Public sewer is currently available to approximately 26 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 sewer line extensions. 3.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Hodgenville	1	$3,570,000	-	-	-	-	-
City of New Haven	2	$1,804,000	-	-	-	-	3.00
Larue County Fiscal Court	1	$82,465	1	-	-	-	-
Totals:	**4**	**$5,456,465**	**1**	**-**	**-**	**-**	**3.00**

Public Wastewater Systems in Larue County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026379	Hodgenville Sewer System	Larue	3,647	1,576
		Totals:	3,647	1,576

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LARUE COUNTY
Kentucky

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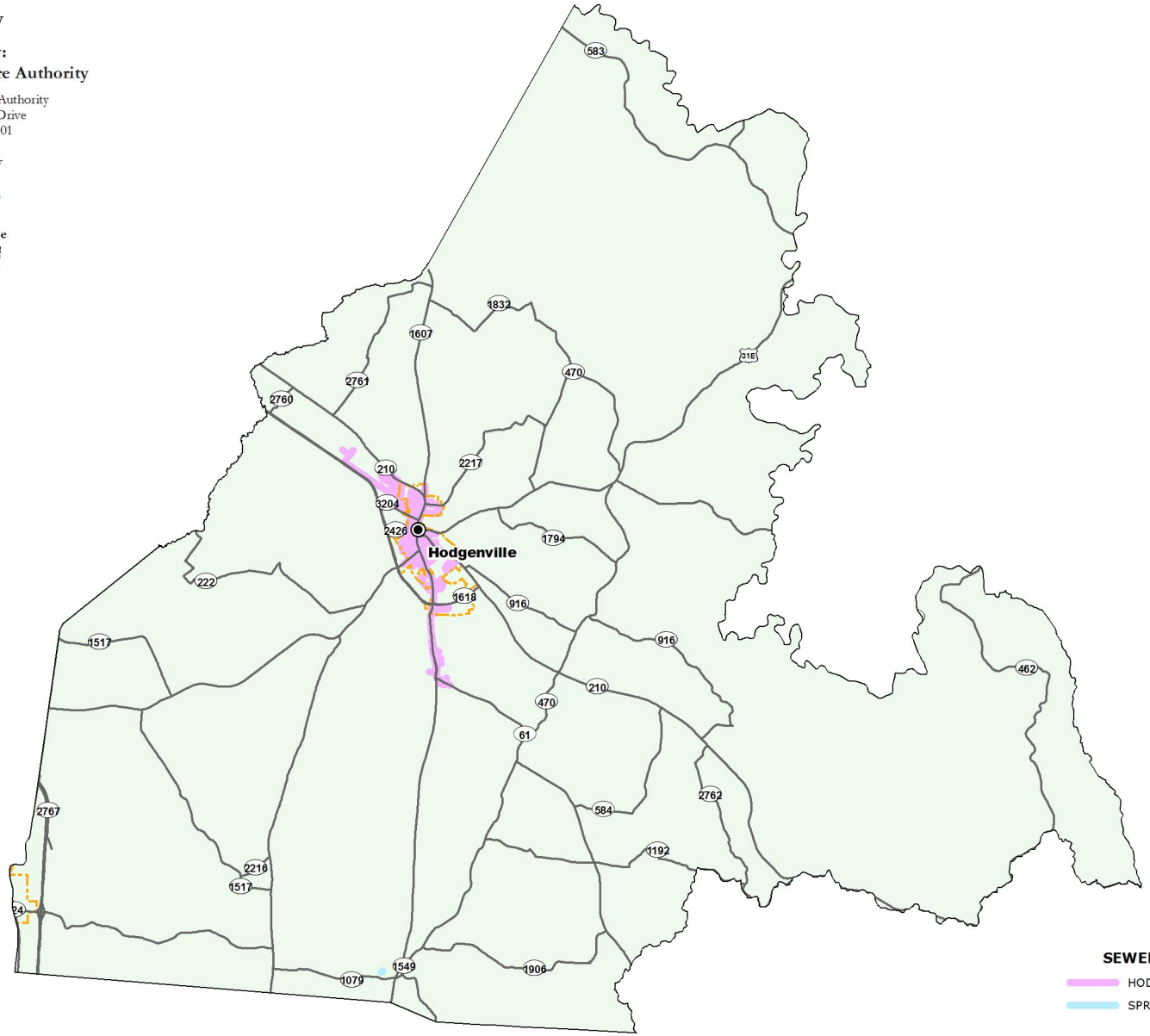
March, 2013



System Summary for Hodgenville Sewer System

Permit ID	KY0026379	Treats Wastewater	Yes, 0.78 MGD with 0.56 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,508
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.19	Total KISOP Treated (MG)	-
Residential Customers	1,346	Total Treated (MG)	201.180
Commercial Customers	150	Number of Manholes	451
Institutional Customers	5	Number of Lift Stations	13
Industrial Customers	9	Percent Lines 20 yrs or Older	30%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 28.72 miles (Collection: 23.27 miles, Interceptors: 5.45 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hodgenville Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21123007	Hodgenville WWTP Upgrade & Wet Weather Storage	0-2 Years	Not Funded	$3,570,000	Larue	4	1
SX21123004	Larue County Industrial Park Wastewater Improvements	0-2 Years	Not Funded	$82,465	Larue		

Marion County

- 2010 census population of 19,820 (8,182 households) with 40% serviceable.
- Projected 2020 population of 21,424 (change of 1,604).
- Marion County has 81.28 miles of existing sewer lines.
- 6.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,024,300.
- There are no projects planned from 6 to 10 years.

Marion County has a 2010 census population count of 19,820 (8,182 households) with a projected 2020 population count of 21,424 (8,332 households). Public sewer is currently available to approximately 40 percent of the county's households based on 2010 census counts. Over the next ten years approximately 82 serviceable households will be added through the construction of 6.00 miles of sewer line extensions. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Lebanon	4	$4,634,300	82	-	5.00	-	1.00
Marion County Industrial Foundation	1	$390,000	-	-	1.00	-	-
Totals:	**5**	**$5,024,300**	**82**	-	**6.00**	-	**1.00**

Public Wastewater Systems in Marion County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0090719	Bradfordsville Sewer System	Marion	304	150
KY0026549	Lebanon Sewer System	Marion	6,123	2,819
KYP000073	Loretto Wastewater System	Marion	803	321
		Totals:	7,230	3,290

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MARION COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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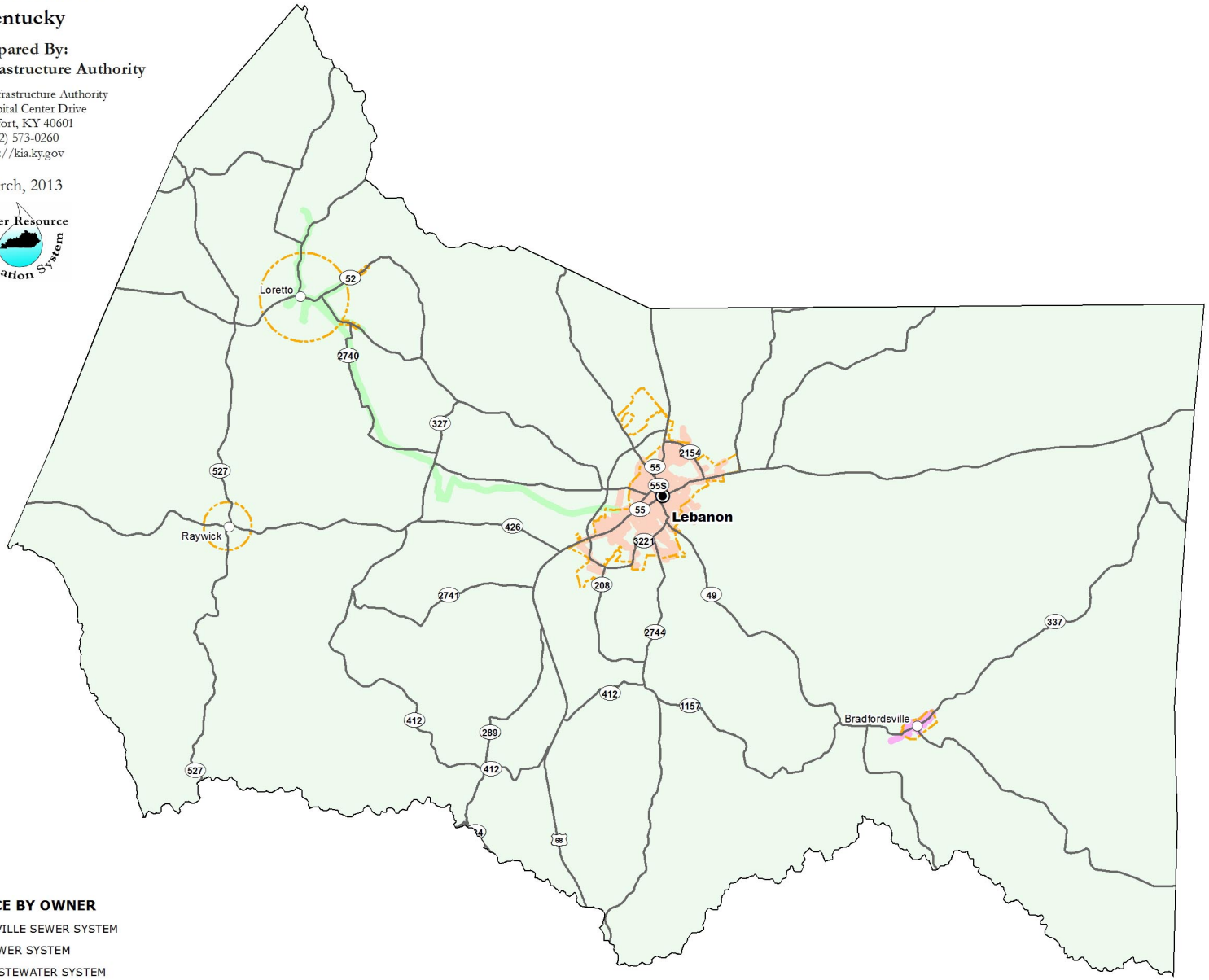
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BRADFORDSVILLE SEWER SYSTEM
- LEBANON SEWER SYSTEM
- LORETTO WASTEWATER SYSTEM

System Summary for Bradfordsville Sewer System

Permit ID	KY0090719	Treats Wastewater	Yes, 0.4 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	149
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$46.49	Total KISOP Treated (MG)	-
Residential Customers	130	Total Treated (MG)	11.244
Commercial Customers	6	Number of Manholes	61
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 2.83 miles (Collection: 2.83 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Bradfordsville Sewer System

System Summary for Lebanon Sewer System

Permit ID	KY0026549	Treats Wastewater	Yes, 3 MGD with 1.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,621
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.12	Total KISOP Treated (MG)	45.207
Residential Customers	2,541	Total Treated (MG)	732.170
Commercial Customers	13	Number of Manholes	786
Institutional Customers	30	Number of Lift Stations	11
Industrial Customers	37	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 55.54 miles (Collection: 51.37 miles, Interceptors: 4.17 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Lebanon Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21155009	Lebanon Wastewater System Rehabilitation and Improvements	0-2 Years	Not Funded	$995,000	Marion	11	1
SX21155005	Crossroads Industrial Park Sewer Extension	3-5 Years	Not Funded	$390,000	Marion	15	2
SX21155007	Lebanon / Marion Industrial Pre-Treatment Facility	3-5 Years	Not Funded	$2,700,000	Marion	22	4
SX21155001	Lebanon Wastewater System Improvements	3-5 Years	Not Funded	$293,000	Marion	27	3
SX21155008	Lebanon Nally & Haydon Sanitary Sewer Project	3-5 Years	Not Funded	$646,300	Marion		

System Summary for Loretto Wastewater System

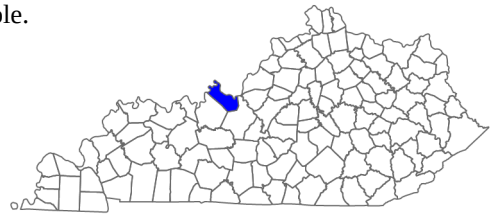
Permit ID	KYP000073	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	306
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	45.207
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	252	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	187
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 22.91 miles (Collection: 8.43 miles, Interceptors: 14.48 miles).			

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

There are no immediate projects for Loretto Wastewater System

Meade County

- 2010 census population of 28,602 (11,762 households) with 22% serviceable.
- Projected 2020 population of 30,901 (change of 2,299).
- Meade County has 81.73 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,345,000.
- There are no projects planned from 6 to 10 years.



Meade County has a 2010 census population count of 28,602 (11,762 households) with a projected 2020 population count of 30,901 (11,964 households). Public sewer is currently available to approximately 22 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Brandenburg	1	$3,315,000	-	-	-	-	-
City of Muldraugh	1	$1,030,000	-	-	-	-	-
Totals:	**2**	**$4,345,000**	-	-	-	-	-

Public Wastewater Systems in Meade County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021474	Brandenburg Sewer System	Meade	2,797	1,213
KY0043478	Doe Valley Association Inc	Meade	1,878	820
KYP000051	Muldraugh Sewer System	Meade	936	532
		Totals:	5,611	2,565

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MEADE COUNTY
Kentucky

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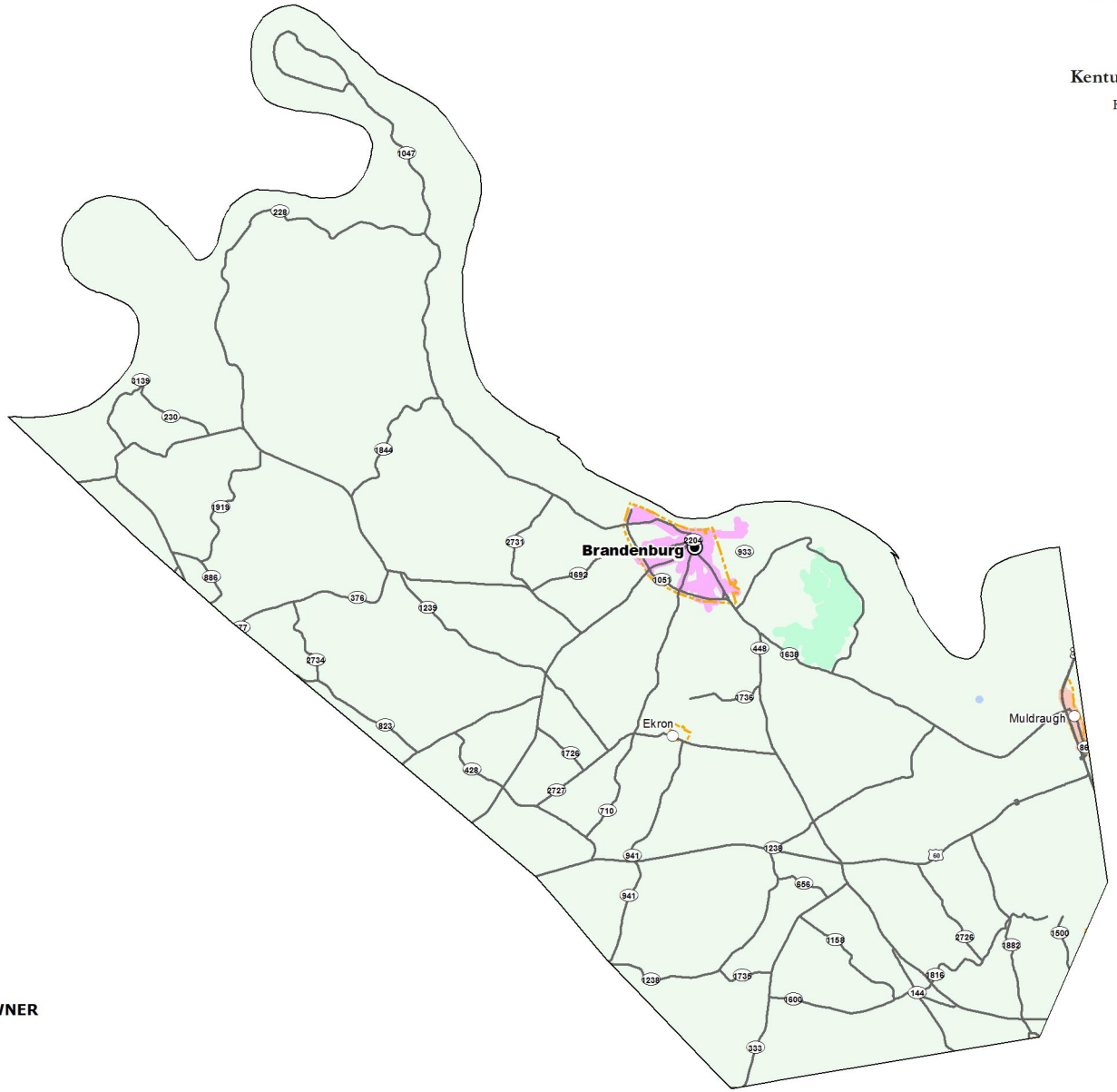
March, 2013



SEWER SERVICE BY OWNER

- BRANDENBURG SEWER SYSTEM
- DOE VALLEY ASSOCIATION INC
- MULDRAUGH SEWER SYSTEM
- OTTER CREEK PARK OUTDOOR RECREATION AREA

System Summary for Brandenburg Sewer System

Permit ID	KY0021474	Treats Wastewater	Yes, 0.91 MGD with 0.25 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,260
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.82	Total KISOP Treated (MG)	-
Residential Customers	990	Total Treated (MG)	95.250
Commercial Customers	263	Number of Manholes	464
Institutional Customers	5	Number of Lift Stations	24
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 31.53 miles (Collection: 25.35 miles, Interceptors: 6.18 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Brandenburg Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21163007	Brandenburg Wastewater Treatment Plant Upgrade & Expansion	3-5 Years	Not Funded	$3,315,000	Meade	12	1

System Summary for Doe Valley Association Inc

Permit ID	KY0043478	Treats Wastewater	Yes, 0.15 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	522
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$7.62	Total KISOP Treated (MG)	-
Residential Customers	552	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 44.47 miles (Collection: 44.47 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Doe Valley Association Inc

System Summary for Muldraugh Sewer System

Permit ID	KYP000051	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	301
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	44.308
Cost Per 4000 Gallons	$22.22	Total KISOP Treated (MG)	-
Residential Customers	330	Total Treated (MG)	-
Commercial Customers	47	Number of Manholes	97
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.42 miles (Collection: 4.71 miles, Interceptors: 1.71 miles).			

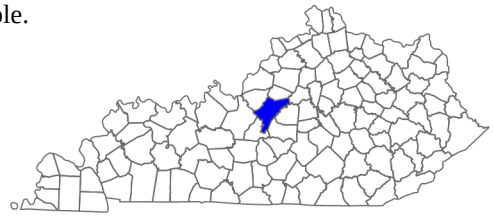
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Muldraugh Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21163005	Muldraugh Sewer Improvements Phase 3	3-5 Years	Not Funded	$1,030,000	Meade	16	2

Nelson County

- 2010 census population of 43,437 (18,075 households) with 46% serviceable.
- Projected 2020 population of 50,119 (change of 6,682).
- Nelson County has 176.99 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 13.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,322,740.
- There are no projects planned from 6 to 10 years.



Nelson County has a 2010 census population count of 43,437 (18,075 households) with a projected 2020 population count of 50,119 (20,219 households). Public sewer is currently available to approximately 46 percent of the county's households based on 2010 census counts. Over the next ten years approximately 126 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 5,657 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 13.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Bardstown	4	$9,709,740	125	5,207	4.00	2.00	5.00
City of New Haven	5	$4,313,000	-	450	-	-	8.00
Nelson County Fiscal Court	1	$300,000	1	-	1.00	-	-
Totals:	**10**	**$14,322,740**	**126**	**5,657**	**5.00**	**2.00**	**13.00**

Public Wastewater Systems in Nelson County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021237	Bardstown Sewer System	Nelson	17,207	7,447
KYP000086	Bloomfield Wastewater Collection System	Nelson	978	441
KY0034126	New Haven Sewer System	Nelson	935	405
		Totals:	19,120	8,293

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
NELSON COUNTY
Kentucky

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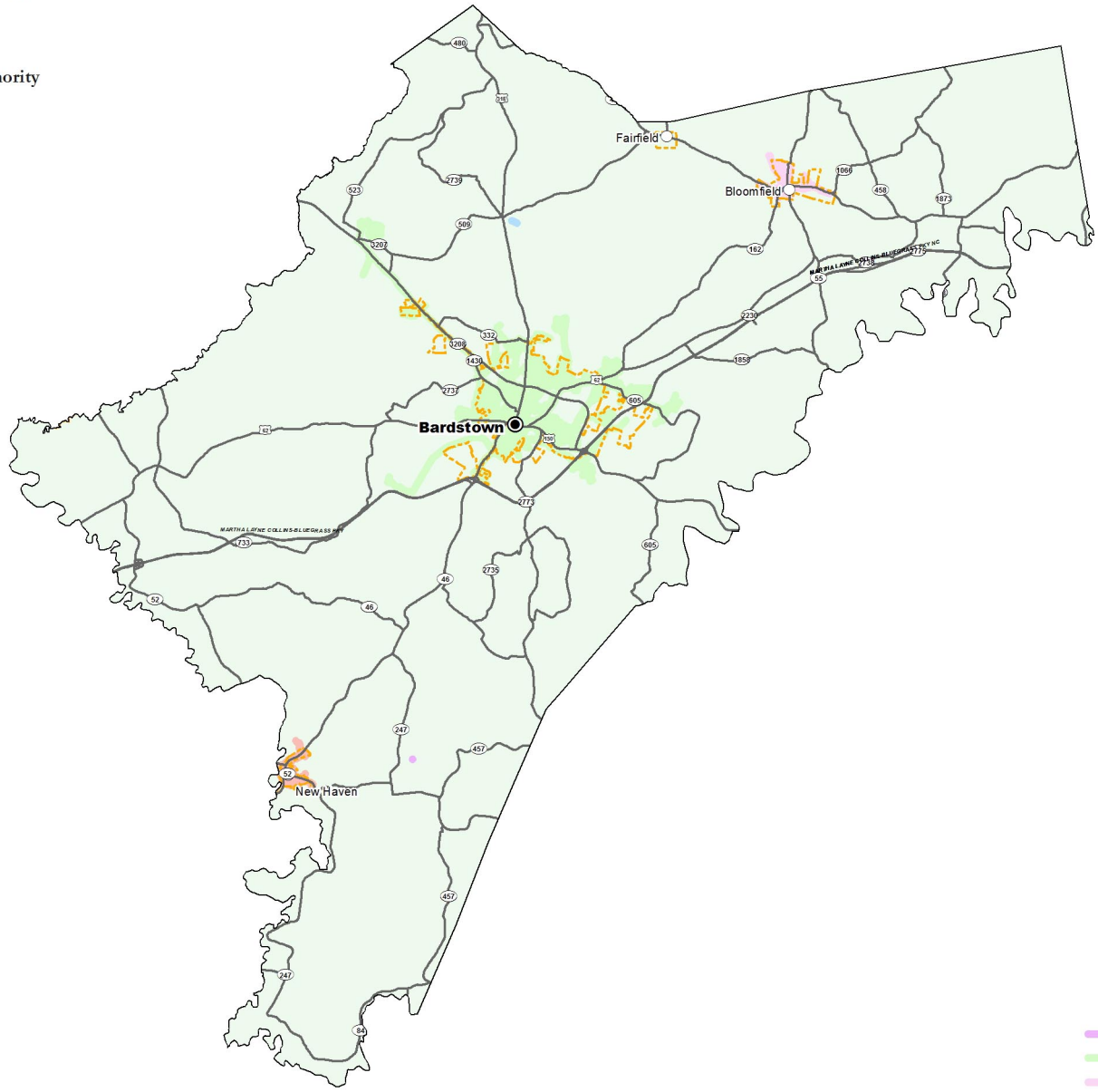
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- ABBEY OF GETHSEMANI
- BARDSTOWN SEWER SYSTEM
- BLOOMFIELD SEWER SYSTEM
- COXS CREEK ELEMENTARY SCHOOL
- NEW HAVEN SEWER SYSTEM

System Summary for Bardstown Sewer System

Permit ID	KY0021237	Treats Wastewater	Yes, 3 MGD with 2.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	6,923
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.93	Total KISOP Treated (MG)	44.000
Residential Customers	6,701	Total Treated (MG)	436.800
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	21
Industrial Customers	22	Percent Lines 20 yrs or Older	60%
KISOP Customers	1	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 146.40 miles (Collection: 124.78 miles, Interceptors: 21.62 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Bardstown Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21179029	Rowan Creek Sewer Upgrade	3-5 Years	Not Funded	$6,999,740	Nelson	8	2
SX21179018	Nelson County Industrial Park Wastewater Project	3-5 Years	Not Funded	$300,000	Nelson	25	3
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	$600,000	Nelson	28	
SX21179016	City of Bardstown-Town Creek Interceptor	3-5 Years	Partially Funded	$4,200,000	Nelson		
SX21179014	Bardstown Cox	3-5 Years	Not Funded	$1,960,000	Nelson		
SX21179024	Bardstown SSES	0-2 Years	Not Funded	$150,000	Nelson		

System Summary for Bardstown Sewer System

Permit ID	KY0104027	Treats Wastewater	Yes, 4 MGD with 0.75 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.02	Total KISOP Treated (MG)	-
Residential Customers	6,678	Total Treated (MG)	595.600
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	22	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed

Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Bardstown Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21179029	Rowan Creek Sewer Upgrade	3-5 Years	Not Funded	$6,999,740	Nelson	8	2
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	$600,000	Nelson	28	

System Summary for Bloomfield Wastewater Collection System

Permit ID	KYP000086	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	455
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	44.000
Cost Per 4000 Gallons	$26.66	Total KISOP Treated (MG)	-
Residential Customers	420	Total Treated (MG)	-
Commercial Customers	34	Number of Manholes	193
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	1	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 60% Constructed
Total Collection System Line Length = 21.03 miles (Collection: 9.75 miles, Interceptors: 11.27 miles).			

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

There are no immediate projects for Bloomfield Wastewater Collection System

System Summary for New Haven Sewer System

Permit ID	KY0034126	Treats Wastewater	Yes, 0.16 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	447
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.72	Total KISOP Treated (MG)	-
Residential Customers	400	Total Treated (MG)	39.700
Commercial Customers	40	Number of Manholes	166
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 9.51 miles (Collection: 7.43 miles, Interceptors: 2.08 miles).			

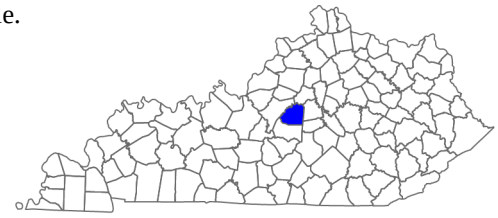
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for New Haven Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21179020	New Haven Phase I Sewer Extension to Gethsemani Monastery	3-5 Years	Not Funded	$791,000	Nelson	1	5
SX21179013	New Haven - WWTP Improvements Projects	3-5 Years	Not Funded	$1,136,000	Nelson	5	1
SX21179025	New Haven Outfall to Rolling Fork	3-5 Years	Not Funded	$240,000	Nelson	9	4
SX21179022	New Haven Lyons Community Sewer Extension	3-5 Years	Not Funded	$1,221,000	Nelson		
SX21179021	New Haven Phase II Sewer Extension to New Hope	3-5 Years	Not Funded	$925,000	Nelson		
SX21179023	New Haven Lyons / Rolling Fork Church Sewer Extension	3-5 Years	Not Funded	$583,000	Nelson		
SX21179026	New Haven Dollar General Store Area Sewer Line Replacement	0-2 Years	Not Funded	$174,000	Nelson		
SX21179027	New Haven Railroad Museum Area Sewer Rehabilitation	3-5 Years	Not Funded	$161,000	Nelson		

Washington County

- 2010 census population of 11,717 (5,044 households) with 26% serviceable.
- Projected 2020 population of 12,486 (change of 769).
- Washington County has 35.94 miles of existing sewer lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 11.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $18,374,665.
- There are no projects planned from 6 to 10 years.



Washington County has a 2010 census population count of 11,717 (5,044 households) with a projected 2020 population count of 12,486 (4,958 households). Public sewer is currently available to approximately 26 percent of the county's households based on 2010 census counts. Over the next ten years approximately 169 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 1,120 instances of improved service through system wide upgrades. 11.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Springfield	4	$6,470,945	169	-	7.00	-	11.00
Springfield Water and Sewer Commission	1	$11,903,720	-	1,120	-	-	-
Totals:	**5**	**$18,374,665**	**169**	**1,120**	**7.00**	**-**	**11.00**

Public Wastewater Systems in Washington County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020907	Springfield Water & Sewer Commission	Washington	2,714	1,311
		Totals:	2,714	1,311

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
WASHINGTON COUNTY
Kentucky

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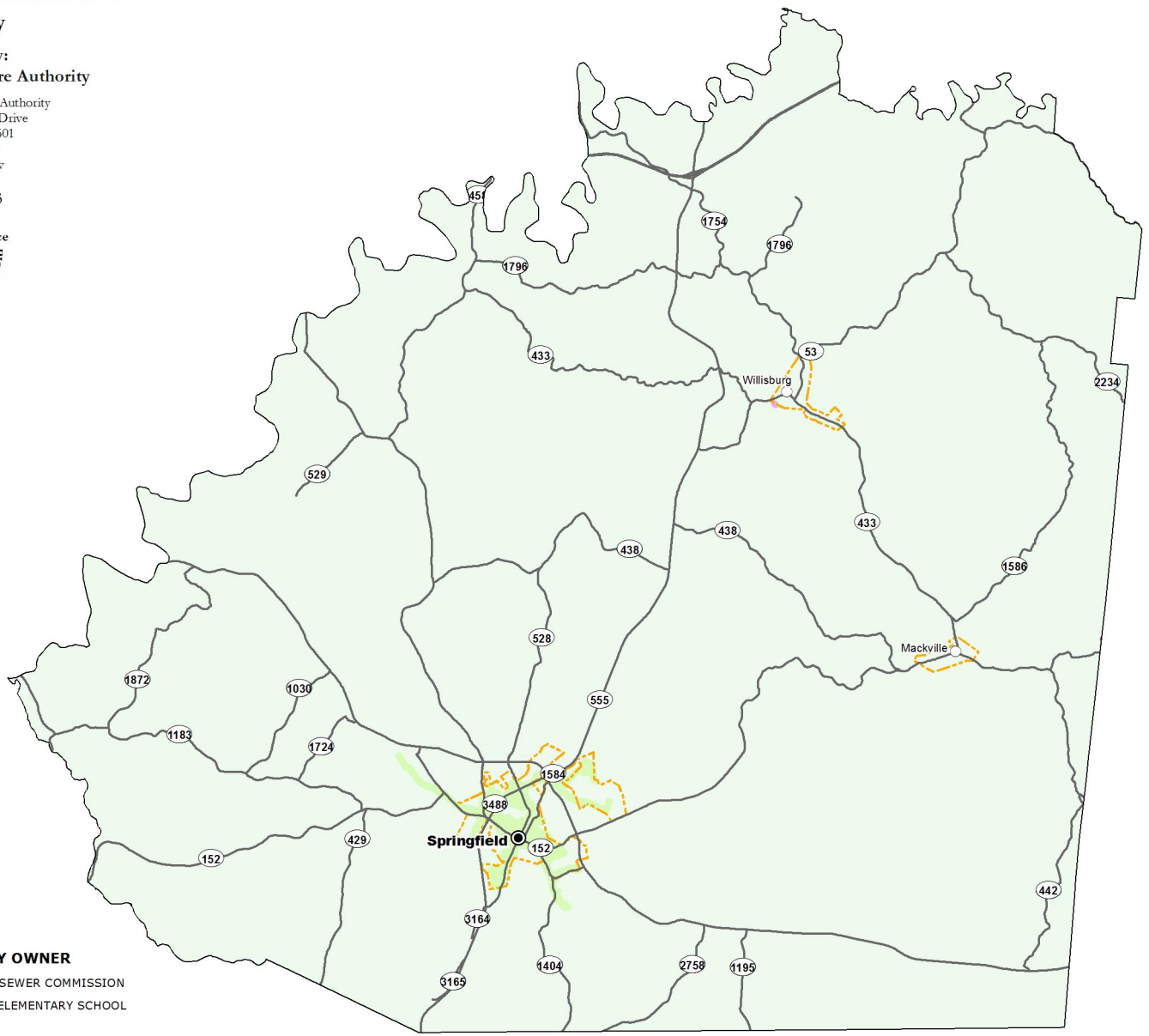


SEWER SERVICE BY OWNER

- SPRINGFIELD WATER & SEWER COMMISSION
- WASHINGTON COUNTY ELEMENTARY SCHOOL

System Summary for Springfield Water & Sewer Commission

Permit ID	KY0020907	Treats Wastewater	Yes, 0.88 MGD with 0.47 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,273
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.52	Total KISOP Treated (MG)	-
Residential Customers	1,127	Total Treated (MG)	224.200
Commercial Customers	195	Number of Manholes	744
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	12	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

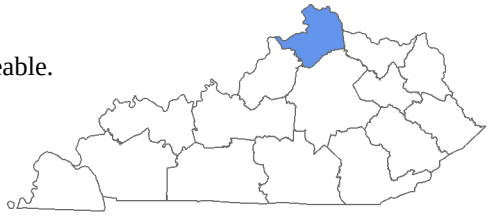
Total Collection System Line Length = 35.91 miles (Collection: 29.43 miles, Interceptors: 6.49 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21229010	Springfield Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	$11,903,720	Washington	10	1
SX21229006	Springfield - Washington County Regional Sewer Study	3-5 Years	Not Funded	$150,000	Washington	17	2
SX21229004	Springfield, Jim Town Project	3-5 Years	Not Funded	$1,000,000	Washington	23	4
SX21229005	Willisburg Wastewater Project	3-5 Years	Not Funded	$3,400,000	Washington	26	3
SX21229003	Springfield Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	$1,920,945	Washington		

Northern Kentucky Area Development District (NKADD)



- 2010 census population of 438,647 (185,049 households) with 83% serviceable.
- Projected 2020 population of 488,377 (change of 49,730).
- 2,099.85 miles of existing sewer lines.
- 44.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 31.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $76,538,805.
- There are no projects planned from 6 to 10 years.
- Average age of wastewater treatment plants is 24 years.
- Total number of interconnected systems is 3.
- 106 miles of sewer lines less than 15 years old.
- 617 miles of sewer lines between 15 and 30 years old.
- 716 miles of sewer lines between 31 and 50 years old.
- 428 miles of sewer lines between 51 and 70 years old.
- 236 miles of sewer lines greater than 70 years old.

Northern Kentucky Area Development District has a 2010 census population count of 438,647 (185,049 households) with a projected 2020 population count of 488,377 (194,345 households). Public sewer is currently available to approximately 83 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,582 serviceable households will be added through the construction of 44.00 miles of sewer line extensions and approximately 7,293 instances of improved service through the rehabilitation of 12.00 miles of existing sewer lines and other appurtenances. 31.00 miles of interceptor lines are also proposed within this district.

County Summary for Northern Kentucky Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boone	118,811	46,154	153,933	59,951	41,974	91%	$ 9,359,364
Campbell	90,336	39,523	91,642	37,713	34,771	88%	$ 12,750,000
Carroll	10,811	4,696	11,440	4,408	3,037	65%	$ 14,041,785
Gallatin	8,589	3,786	9,264	3,592	1,234	33%	$ 10,982,163
Grant	24,662	9,942	26,917	9,870	4,234	43%	$ 10,403,770
Kenton	159,720	68,975	168,458	68,111	65,192	95%	$ 8,087,456
Owen	10,841	5,634	11,336	4,713	934	17%	$ 2,817,005
Pendleton	14,877	6,339	15,387	5,987	1,575	25%	$ 8,097,262
Totals	**438,647**	**185,049**	**488,377**	**194,345**	**152,951**	**83%**	**$ 76,538,805**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

NKADD

Prepared By:
Kentucky Infrastructure Authority

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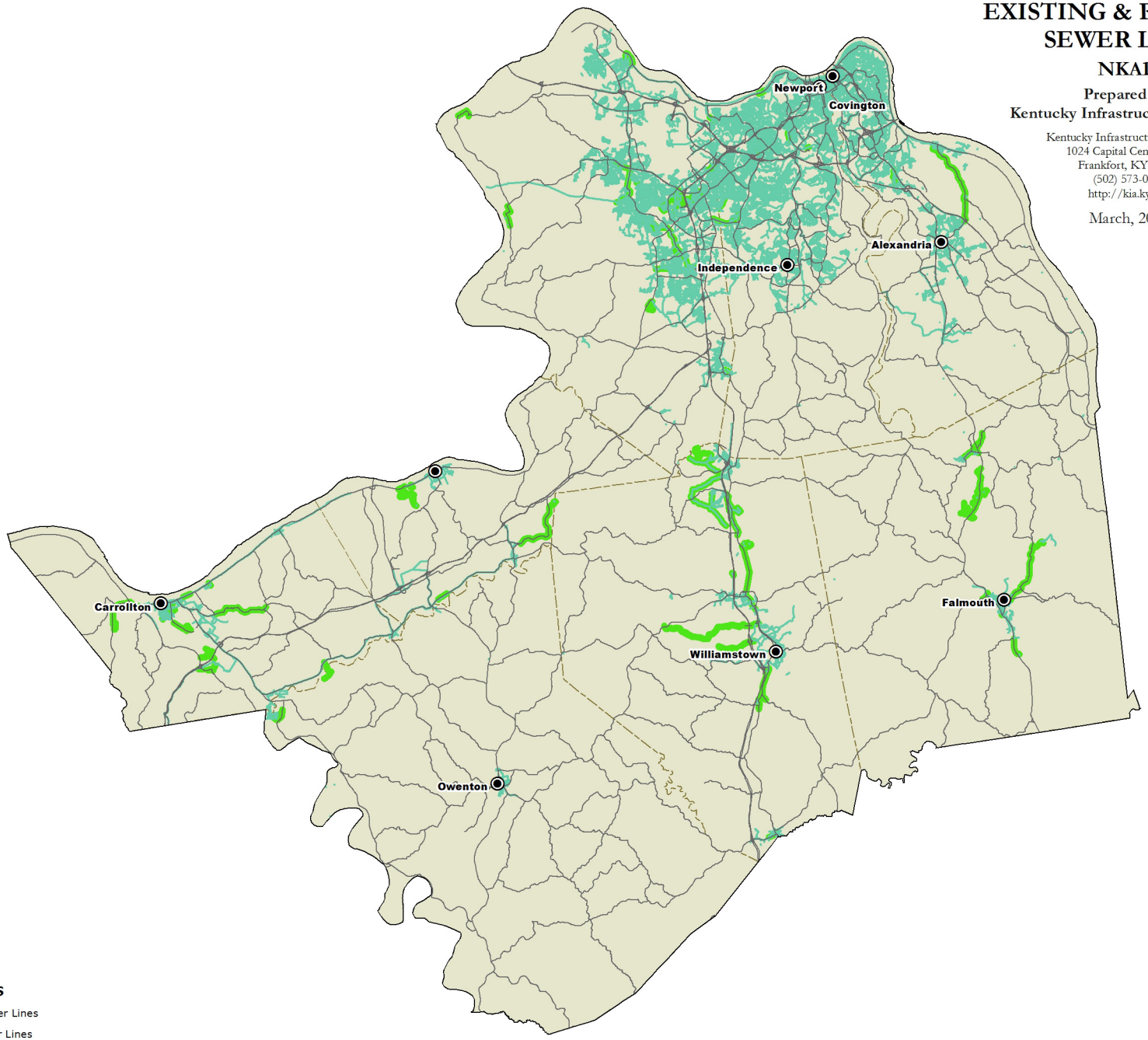
March, 2013



Public Sewer Systems in the Northern Kentucky Area Development District

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

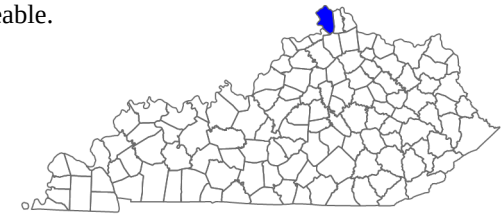
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000015	Florence Water & Sewer Commission	Boone	31,754	13,814
KY0094072	SD1 - Rivershore Farms Subdivision	Boone	660	222
KY0093025	SD1 - Verona Commons Subdivision	Boone	87	27
KY0107239	SD1 - Western Reg Water Reclam Fac	Boone	57,730	21,553
KY0039756	Walton Wastewater System	Boone	3,898	1,540
KY0104655	Beacon Hill Estates	Campbell	414	131
KY0034487	Campbell County MHP	Campbell	47	22
KY0105325	Darlington Creek Hoa Subd	Campbell	51	23
KY0094439	Royal Oak Subdivision	Campbell	43	16
KY0105031	SD1 - Eastern Regional STP	Campbell	11,899	4,495
KY0092843	Yung Farm Estates Subdivision	Campbell	49	20
KY0104931	Carrollton Utilities	Carroll	8,578	3,843
KY0028118	Warsaw Wastewater System	Gallatin	2,082	987
KY0098027	Corinth Sewer Department	Grant	407	176
KYP000041	Dry Ridge Sewer Department	Grant	2,075	830
KY0091634	Grant County Sanitary Sewer District	Grant	5,267	1,988
KY0074284	Grantland Estates Subdivision	Grant	198	64
KY0109991	Williamstown Regional WRF	Grant	3,236	1,209
KY0075833	Bel Aire Subdivision	Kenton	100	36
KY0021466	SD1 - Dry Creek	Kenton	229,571	99,994
KY0028312	Kentucky-American Water Company - Northern Division	Owen	1,401	700
KY0021041	Butler Water & Sewer Department	Pendleton	741	340
KY0106267	Falmouth STP (New)	Pendleton	2,682	1,227
		Totals:	362,970	153,257

Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21037110	SD1 - Ash Street Force Main	0-2 Years	Partially Funded	$12,750,000	Campbell	1	1
SX21041004	Carrollton Utilities Industrial Customer Expansion (ICE)	0-2 Years	Not Funded	$5,390,490	Carroll	2	1
SX21015009	Evergreen/Ridgeview Sewer Collection Project	0-2 Years	Partially Funded	$2,130,314	Boone	3	1
SX21117001	SD1 - Highland Pike Sewer Replacement	0-2 Years	Partially Funded	$3,330,000	Kenton	4	1
SX21081001	City of Dry Ridge - US-25 Sewer System Expansion	0-2 Years	Not Funded	$1,640,000	Grant	5	1
SX21191102	Oak Haven Pump Station and Force Main	0-2 Years	Partially Funded	$701,385	Pendleton	6	2
SX21015301	Boone County - Twin Lakes Sanitary Sewer Project	0-2 Years	Not Funded	$2,093,280	Boone	7	2
SX21191005	Sanitary Sewer and Stormwater Improvements	0-2 Years	Not Funded	$1,151,449	Pendleton	8	1
SX21081305	GCSSD - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	$913,300	Grant	9	2
SX21015003	SD1 - Sand Run PS Influent Sewer Improvements	0-2 Years	Partially Funded	$1,137,020	Boone	10	3
SX21191002	Sewer U.S. 27 to Sharp Middle School	0-2 Years	Not Funded	$3,241,024	Pendleton	11	3
SX21081302	Dry Ridge Sewer Pump Stations C & D Upgrades	3-5 Years	Not Funded	$150,000	Grant	12	4
SX21081301	Williamstown Collection System Expansion	3-5 Years	Not Funded	$6,144,800	Grant	13	3
SX21191004	WWTP Lagoon Aerator Augmentation	0-2 Years	Not Funded	$504,715	Pendleton	14	4
			Total Cost:	**$41,277,777**			

Boone County

- 2010 census population of 118,811 (46,154 households) with 91% serviceable.
- Projected 2020 population of 153,933 (change of 35,122).
- Boone County has 590.80 miles of existing sewer lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,359,364.
- There are no projects planned from 6 to 10 years.



Boone County has a 2010 census population count of 118,811 (46,154 households) with a projected 2020 population count of 153,933 (59,951 households). Public sewer is currently available to approximately 91 percent of the county's households based on 2010 census counts. Over the next ten years approximately 347 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 2,485 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Boone County Fiscal Court	3	$6,312,594	245	76	2.00	1.00	2.00
City of Union	3	$1,909,750	102	109	1.00	1.00	-
Sanitation District #1 of Northern Kentucky	1	$1,137,020	-	2,300	-	1.00	-
Totals:	**7**	**$9,359,364**	**347**	**2,485**	**3.00**	**3.00**	**2.00**

Public Wastewater Systems in Boone County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000015	Florence Water & Sewer Commission	Boone	29,962	12,967
KY0094072	SD1 - Rivershore Farms Subdivision	Boone	660	222
KY0093025	SD1 - Verona Commons Subdivision	Boone	87	27
KY0107239	SD1 - Western Reg Water Reclam Fac	Boone	57,730	21,553
KY0039756	Walton Wastewater System	Boone	3,774	1,489
KY0021466	SD1 - Dry Creek	Kenton	16,336	5,701
		Totals:	108,549	41,959

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BOONE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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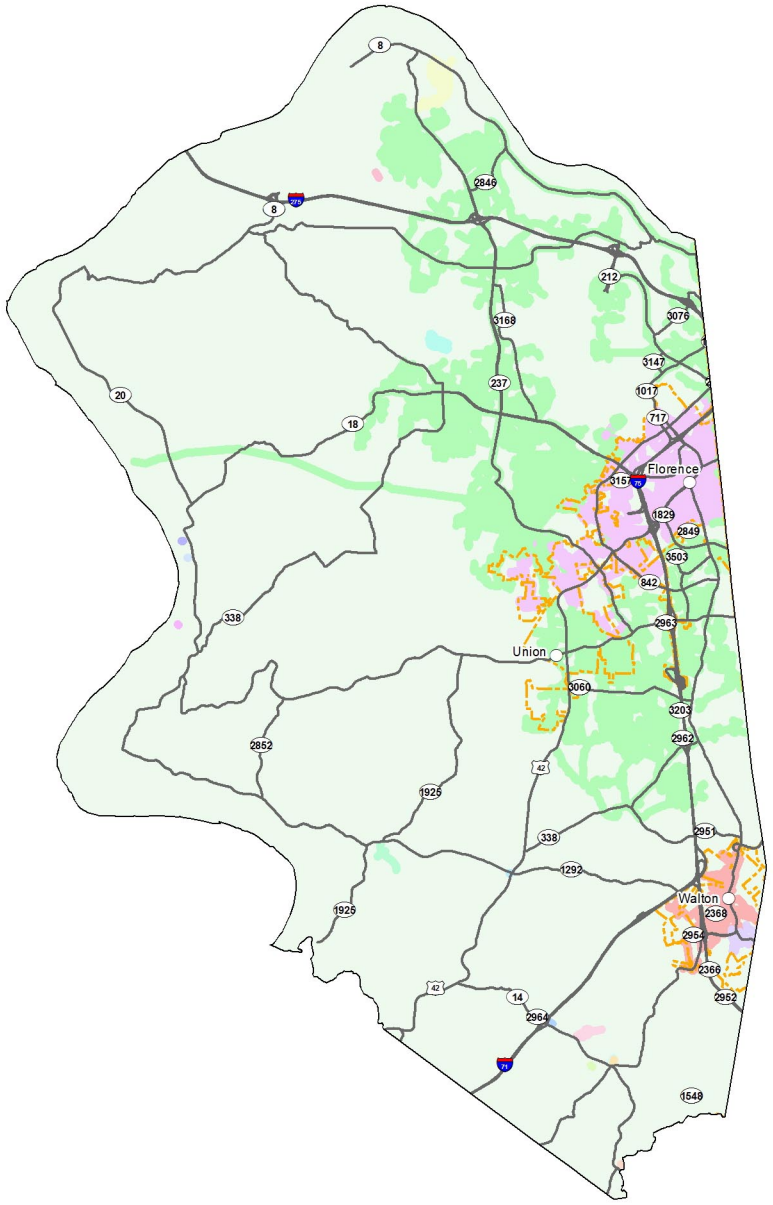
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- ARLINGHAUS PROPERTIES
- BIG BONE LICK STATE PARK
- CHARLES H KELLY ELEMENTARY SCHOOL
- FLORENCE WATER & SEWER COMMISSION
- GRAHAM PACKAGING PLASTIC PRODS
- GRANDMAS RESTAURANT
- NEW BETHEL BAPTIST CHURCH
- RIVER RIDGE PARK INC
- SD1 - DRY CREEK
- SD1 - ETHANS GLEN SUBDIVISION
- SD1 - RIVERSHORE FARMS SUBDIVISION
- SD1 - VERONA COMMONS SUBDIVISION
- SEVEN HILLS ROD & GUN CLUB
- TRADITIONS GOLF CLUB
- US BANK
- VERONA CHEVRON FOODMART
- WALTON INDUSTRIAL PARK STP
- WALTON VERONA ELEMENTARY SCHOOL
- WALTON WASTEWATER SYSTEM

System Summary for Arlinghaus Properties

Permit ID	KY0077917	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Arlinghaus Properties

System Summary for Florence Water & Sewer Commission

Permit ID	KYP000015	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	10,230
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	12	Total KISOP Sent (MG)	950.000
Cost Per 4000 Gallons	$3.63	Total KISOP Treated (MG)	-
Residential Customers	8,976	Total Treated (MG)	-
Commercial Customers	724	Number of Manholes	3534
Institutional Customers	27	Number of Lift Stations	5
Industrial Customers	3	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 110.86 miles (Collection: 103.79 miles, Interceptors: 7.07 miles).			

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

There are no immediate projects for Florence Water & Sewer Commission

System Summary for River Ridge Park Inc

Permit ID	KY0075639	Treats Wastewater	Yes, 0.008 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for River Ridge Park Inc

System Summary for SD1 - Ethans Glen Subdivision

Permit ID	KY0050466	Treats Wastewater	Yes, 0.01 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	50	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.95 miles (Collection: 1.95 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for SD1 - Ethans Glen Subdivision

System Summary for SD1 - Rivershore Farms Subdivision

Permit ID	KY0094072	Treats Wastewater	Yes, 0.06 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	50	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	5.100
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 4.18 miles (Collection: 4.18 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for SD1 - Rivershore Farms Subdivision

System Summary for SD1 - Verona Commons Subdivision

Permit ID	KY0093025	Treats Wastewater	Yes, 0.03 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	50	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	350	Total Treated (MG)	7.700
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.06 miles (Collection: 1.06 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for SD1 - Verona Commons Subdivision

System Summary for SD1 - Western Reg Water Reclam Fac

Permit ID	KY0107239	Treats Wastewater	Yes, 20 MGD with 8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	50	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	37
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 308.48 miles (Collection: 290.36 miles, Interceptors: 18.12 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for SD1 - Western Reg Water Reclam Fac

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21117004	New Buffington Sewer Improvements	0-2 Years	Not Funded	$845,291	Kenton		

System Summary for Walton Wastewater System

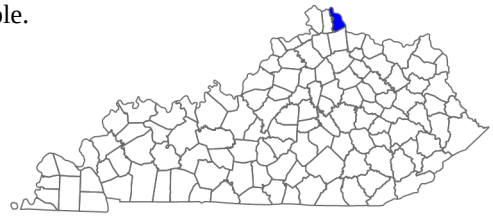
Permit ID	KY0039756	Treats Wastewater	Yes, 0.85 MGD with 0.22 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,176
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.54	Total KISOP Treated (MG)	-
Residential Customers	1,080	Total Treated (MG)	76.700
Commercial Customers	180	Number of Manholes	708
Institutional Customers	3	Number of Lift Stations	12
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 33.59 miles (Collection: 33.59 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Walton Wastewater System

Campbell County

- 2010 census population of 90,336 (39,523 households) with 88% serviceable.
- Projected 2020 population of 91,642 (change of 1,306).
- Campbell County has 433.40 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,750,000.
- There are no projects planned from 6 to 10 years.



Campbell County has a 2010 census population count of 90,336 (39,523 households) with a projected 2020 population count of 91,642 (37,713 households). Public sewer is currently available to approximately 88 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,000 instances of improved service through system wide upgrades. 5.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Sanitation District #1 of Northern Kentucky	1	$12,750,000	-	1,000	-	-	5.00
Totals:	**1**	**$12,750,000**	**-**	**1,000**	**-**	**-**	**5.00**

Public Wastewater Systems in Campbell County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0104655	Beacon Hill Estates	Campbell	414	131
KY0034487	Campbell County MHP	Campbell	47	22
KY0105325	Darlington Creek Hoa Subd	Campbell	51	23
KY0094439	Royal Oak Subdivision	Campbell	43	16
KY0105031	SD1 - Eastern Regional STP	Campbell	11,899	4,495
KY0092843	Yung Farm Estates Subdivision	Campbell	49	20
KY0021466	SD1 - Dry Creek	Kenton	65,662	30,061
		Totals:	78,165	34,768

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CAMPBELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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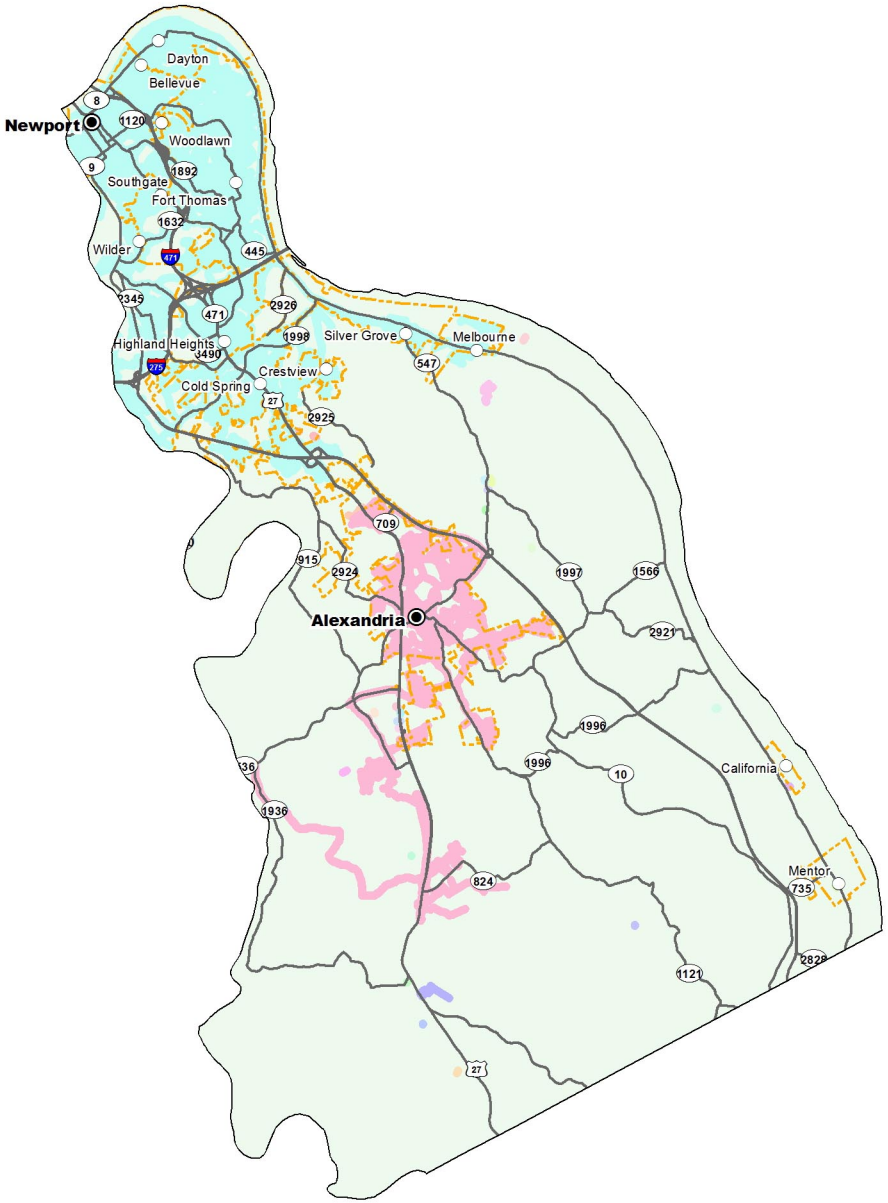
March, 2013

Water Resource Information System



N

SEWER SERVICE BY OWNER

- AJ JOLLY SCHOOL
- CAMP SPRINGS TAVERN
- CAMPBELL COUNTY MHP
- CAMPBELL RIDGE APARTMENTS
- CEDAR LANE APARTMENTS
- DARLINGTON CREEK HOA SUBD
- DIETZ FISHING LAKE
- FLAGG SPRINGS GOLF COURSE
- GRANTS LICK MARKET
- GREYSTONE ACRES SUBDIVISION
- HICKORYSTICKS GOLF CLUB
- HIGDONS MOBILE HOME VILLAGE
- HOLLY HILL CHILDRENS HOME
- KNIGHTS OF COLUMBUS COUNCIL
- MELISSA ANN APARTMENTS
- NORTHERN KENTUCKY SADDLE CLUB
- PRESTRESS SERVICE OF MELBOURNE
- REITMAN AUTO PARTS INC
- ROYAL OAK SUBDIVISION
- SAINT JOSEPH CHURCH & SCHOOL
- SAINT PETER & PAUL ELEMENTARY SCHOOL
- SAND TRAP BAR & LOUNGE
- SD1 - DRY CREEK
- SD1 - EASTERN REGIONAL STP
- SOUTH HILLS SUBDIVISION
- SPANGLER APARTMENTS
- SUMMIT CHURCH OF CHRIST
- THOMER EXCAVATING INC
- WILLIAMS CABINET COMPANY
- YUNG FARM ESTATES SUBDIVISION

System Summary for Beacon Hill Estates

Permit ID	KY0104655	Treats Wastewater	Yes, 0.0096 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.45 miles (Collection: 1.45 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Beacon Hill Estates

System Summary for Campbell County MHP

Permit ID	KY0034487	Treats Wastewater	Yes, 0.0175 MGD with 0.0175 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.54 miles (Collection: 0.54 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Campbell County MHP

System Summary for Campbell Ridge Apartments

Permit ID	KY0078000	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Campbell Ridge Apartments

System Summary for Cedar Lane Apartments

Permit ID	KY0034797	Treats Wastewater	Yes, 0.015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.08 miles (Collection: 0.08 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Cedar Lane Apartments

System Summary for Darlington Creek Hoa Subd

Permit ID	KY0105325	Treats Wastewater	Yes, 0.05 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.74 miles (Collection: 0.74 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Darlington Creek Hoa Subd

System Summary for Greystone Acres Subdivision

Permit ID	KY0102130	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.29 miles (Collection: 0.29 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Greystone Acres Subdivision

System Summary for Higdons Mobile Home Village

Permit ID	KY0034231	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.28 miles (Collection: 0.28 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Higdons Mobile Home Village

System Summary for Melissa Ann Apartments

Permit ID	KY0075728	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Melissa Ann Apartments

System Summary for Ochsner WWTP

Permit ID	08080039	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Ochsner WWTP

System Summary for Perkins Acres

Permit ID	KY0091928	Treats Wastewater	Yes, 0.002 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Perkins Acres

System Summary for Pike Cold Spring STP

Permit ID	KY0089079	Treats Wastewater	Yes, 0.0015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Pike Cold Spring STP

System Summary for Royal Oak Subdivision

Permit ID	KY0094439	Treats Wastewater	Yes, 0.0096 MGD with 0.008 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.47 miles (Collection: 0.47 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Royal Oak Subdivision

System Summary for Sakowicz Macht WWTP

Permit ID	05008029	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Sakowicz Macht WWTP

System Summary for Schafer-Mudd-Steffen Residence

Permit ID	KY0093637	Treats Wastewater	Yes, 0.0015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Schafer-Mudd-Steffen Residence

System Summary for SD1 - Eastern Regional STP

Permit ID	KY0105031	Treats Wastewater	Yes, 4 MGD with 3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	50	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$3.95	Total KISOP Treated (MG)	-
Residential Customers	11,000	Total Treated (MG)	365.000
Commercial Customers	150	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	19
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 98.07 miles (Collection: 87.96 miles, Interceptors: 10.11 miles).			

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

There are no immediate projects for SD1 - Eastern Regional STP

System Summary for South Hills Subdivision

Permit ID	KY0034711	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for South Hills Subdivision

System Summary for Spangler Apartments

Permit ID	KY0090603	Treats Wastewater	Yes, 0.003 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Spangler Apartments

System Summary for Williams Cabinet Company

Permit ID	KY0091936	Treats Wastewater	Yes, 0.0015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Williams Cabinet Company

System Summary for Yung Farm Estates Subdivision

Permit ID	KY0092843	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.68 miles (Collection: 0.68 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Yung Farm Estates Subdivision

Carroll County

- 2010 census population of 10,811 (4,696 households) with 65% serviceable.
- Projected 2020 population of 11,440 (change of 629).
- Carroll County has 91.86 miles of existing sewer lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,041,785.
- There are no projects planned from 6 to 10 years.

Carroll County has a 2010 census population count of 10,811 (4,696 households) with a projected 2020 population count of 11,440 (4,408 households). Public sewer is currently available to approximately 65 percent of the county's households based on 2010 census counts. Over the next ten years approximately 333 serviceable households will be added through the construction of 10.00 miles of sewer line extensions and approximately 124 instances of improved service through the rehabilitation of 6.00 miles of existing sewer lines and other appurtenances. 16.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Carroll County Fiscal Court	3	$5,905,947	329	116	8.00	6.00	2.00
City of Carrollton	3	$7,798,034	3	8	2.00	-	14.00
Owen County Fiscal Court	1	$337,804	1	-	-	-	-
Totals:	**7**	**$14,041,785**	**333**	**124**	**10.00**	**6.00**	**16.00**

Public Wastewater Systems in Carroll County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0104931	Carrollton Utilities	Carroll	6,926	3,037
		Totals:	6,926	3,037

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CARROLL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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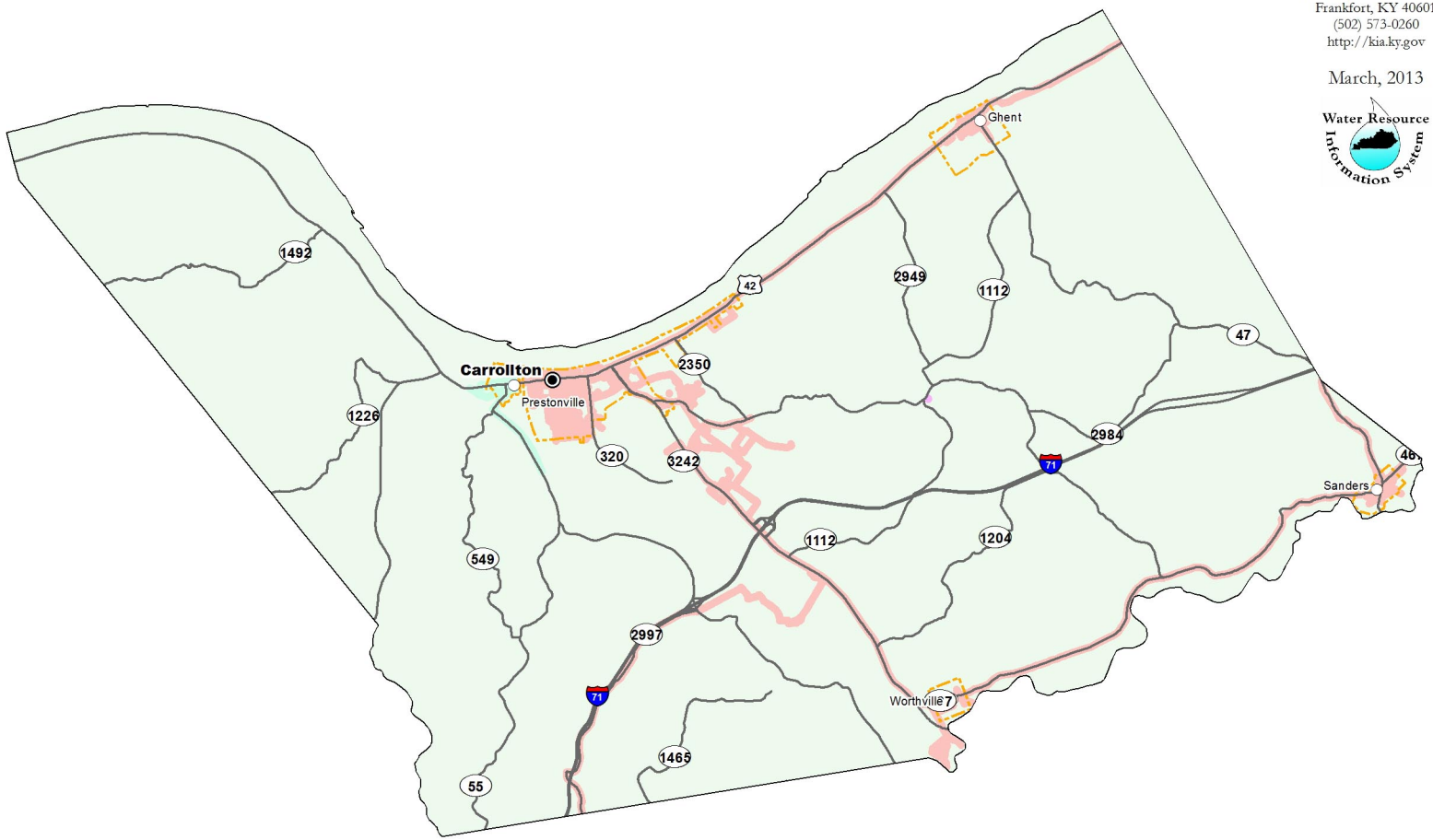
March, 2013



SEWER SERVICE BY OWNER

- CARROLLTON UTILITIES
- CARROLLTON UTILITIES - PRESTONVILLE
- GREEN ACRES MHP

System Summary for Carrollton Utilities

Permit ID	KY0104931	Treats Wastewater	Yes, 3.4 MGD with 0.75 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,556
Owner Type	Incorporated City	KISOP Sender	No
Employees	30	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.93	Total KISOP Treated (MG)	-
Residential Customers	2,417	Total Treated (MG)	350.400
Commercial Customers	450	Number of Manholes	1613
Institutional Customers	49	Number of Lift Stations	52
Industrial Customers	4	Percent Lines 20 yrs or Older	0%
KISOP Customers	1	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 139.82 miles (Collection: 66.67 miles, Interceptors: 73.14 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21041004	Carrollton Utilities Industrial Customer Expansion (ICE)	0-2 Years	Not Funded	$5,390,490	Carroll	2	1
SX21103014	I-71 Exit 34 Sewer Extension	0-2 Years	Not Funded	$303,479	Henry	9	
SX21041002	Carrollton Utilities - 2011 Carroll County Sewer Project	0-2 Years	Not Funded	$2,622,435	Carroll		
SX21041003	CU - The 3444 Sanitary Sewer Project	0-2 Years	Not Funded	$2,120,926	Carroll		
SX21077001	Willow Pointe Lift Station and Force Main	0-2 Years	Not Funded	$1,300,000	Gallatin		
SX21187001	KY 355 and Eagle Creek Resort Phase 2	0-2 Years	Not Funded	$358,275	Owen		

System Summary for Carrollton Utilities - Prestonville

Permit ID	KYP000056	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.17	Total KISOP Treated (MG)	-
Residential Customers	66	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	40
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Carrollton Utilities - Prestonville

System Summary for Green Acres MHP

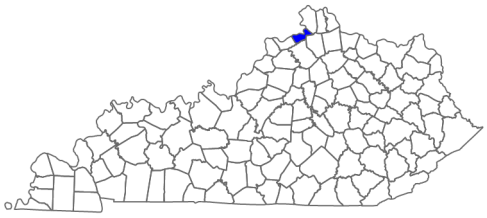
Permit ID	KY0033413	Treats Wastewater	Yes, 0.0096 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Green Acres MHP

Gallatin County

- 2010 census population of 8,589 (3,786 households) with 33% serviceable.
- Projected 2020 population of 9,264 (change of 675).
- Gallatin County has 43.37 miles of existing sewer lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 8.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $10,982,163.
- There are no projects planned from 6 to 10 years.



Gallatin County has a 2010 census population count of 8,589 (3,786 households) with a projected 2020 population count of 9,264 (3,592 households). Public sewer is currently available to approximately 33 percent of the county's households based on 2010 census counts. Over the next ten years approximately 92 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 40 instances of improved service through system wide upgrades. 8.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Carrollton	2	$7,511,416	-	-	-	-	2.00
Gallatin County Fiscal Court	3	$3,470,747	92	40	2.00	-	6.00
Totals:	**5**	**$10,982,163**	**92**	**40**	**2.00**	**-**	**8.00**

Public Wastewater Systems in Gallatin County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028118	Warsaw Wastewater System	Gallatin	2,082	987
KY0104931	Carrollton Utilities	Carroll	483	217
		Totals:	2,565	1,204

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
GALLATIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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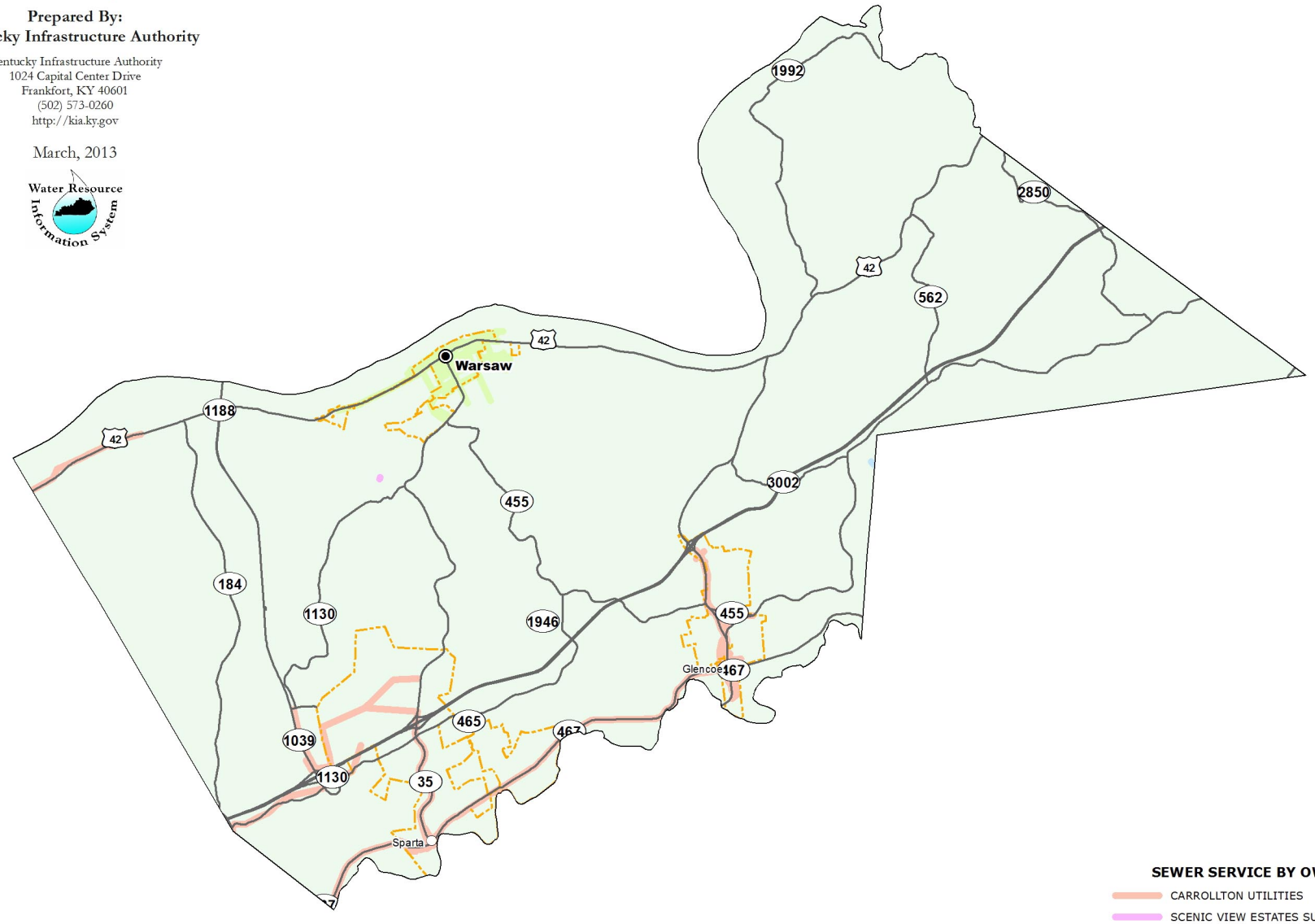
March, 2013

Water Resource Information System



System Summary for Warsaw Wastewater System

Permit ID	KY0028118	Treats Wastewater	Yes, 0.21 MGD with 0.12 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	650
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.00	Total KISOP Treated (MG)	-
Residential Customers	600	Total Treated (MG)	47.500
Commercial Customers	94	Number of Manholes	100
Institutional Customers	4	Number of Lift Stations	7
Industrial Customers	3	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 17.53 miles (Collection: 17.53 miles, Interceptors: 0.00 miles).			

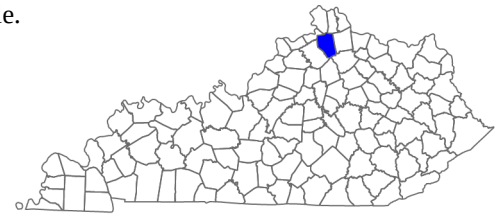
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Warsaw Wastewater System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21077110	Gallatin County - Craigs Creek Sanitary Sewer Improvements	0-2 Years	Partially Funded	$2,100,000	Gallatin		

Grant County

- 2010 census population of 24,662 (9,942 households) with 43% serviceable.
- Projected 2020 population of 26,917 (change of 2,255).
- Grant County has 104.58 miles of existing sewer lines.
- 11.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $10,403,770.
- There are no projects planned from 6 to 10 years.



Grant County has a 2010 census population count of 24,662 (9,942 households) with a projected 2020 population count of 26,917 (9,870 households). Public sewer is currently available to approximately 43 percent of the county's households based on 2010 census counts. Over the next ten years approximately 158 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 1,209 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Corinth	1	$98,670	-	-	-	-	-
City of Dry Ridge	3	$1,447,000	1	-	-	-	-
City of Williamstown	2	$6,644,800	157	9	11.00	1.00	-
Gallatin County Fiscal Court	1	$1,300,000	-	-	-	-	-
Grant County Sanitary Sewer District	1	$913,300	-	1,200	-	-	-
Totals:	**8**	**$10,403,770**	**158**	**1,209**	**11.00**	**1.00**	**-**

Public Wastewater Systems in Grant County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0098027	Corinth Sewer Department	Grant	394	171
KYP000041	Dry Ridge Sewer Department	Grant	2,075	830
KY0091634	Grant County Sanitary Sewer District	Grant	5,183	1,960
KY0074284	Grantland Estates Subdivision	Grant	198	64
KY0109991	Williamstown Regional WRF	Grant	3,236	1,209
		Totals:	11,086	4,234

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
GRANT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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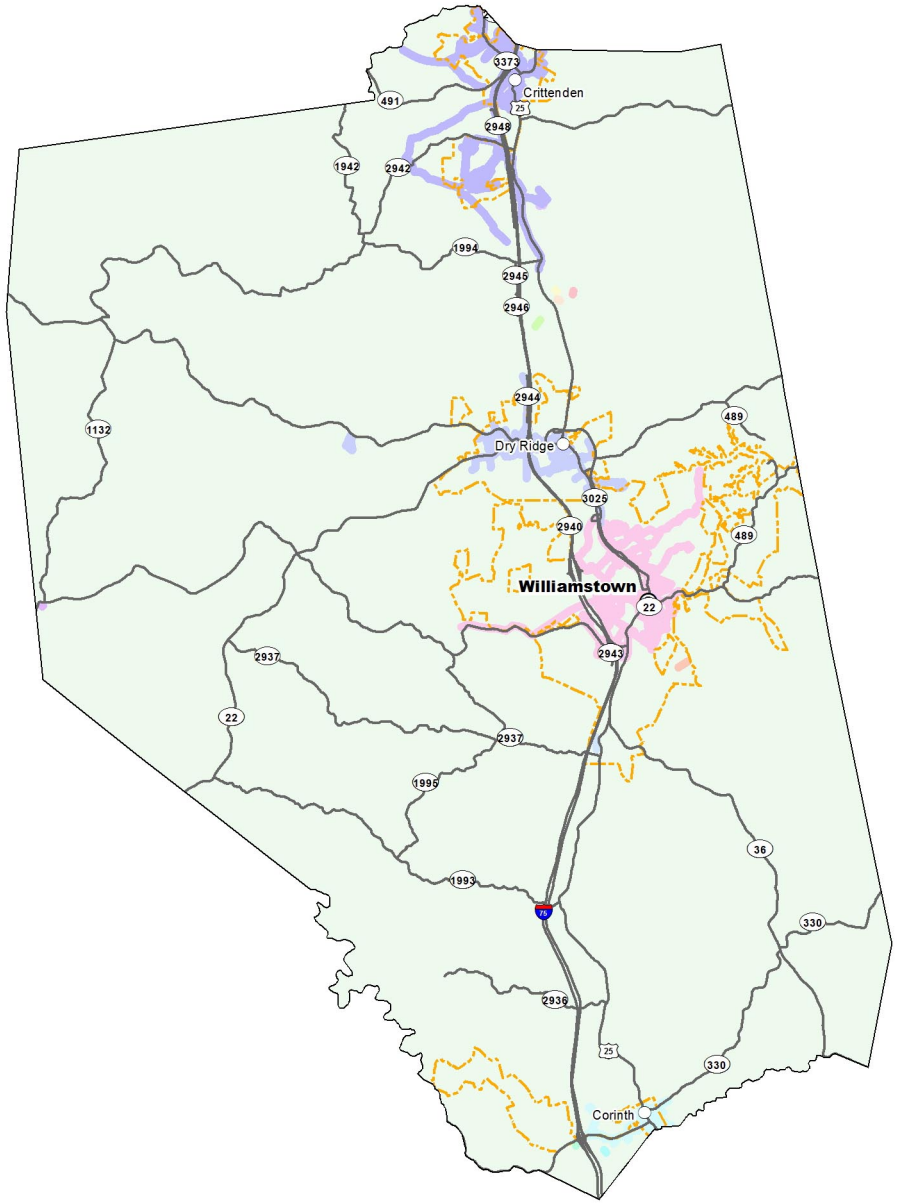
March, 2013



SEWER SERVICE BY OWNER

- BLACKWELL ESTATES MHP
- CORINTH MOTEL/RESTAURANT
- CORINTH SEWER DEPARTMENT
- COUNTRYSIDE ESTATES MHP
- DRY RIDGE SEWER DEPARTMENT
- GRANT COUNTY SANITARY SEWER DISTRICT
- GRANTLAND ESTATES SUBDIVISION
- JONESVILLE REST HOME
- MASON/CORINTH ELEMENTARY SCHOOL
- SAYLORS MHP
- SHERMAN ESTATES MHP
- SHERMAN MHP LLC
- VALLEY VIEW MHP
- WILLIAMSTOWN REGIONAL WRF

System Summary for Blackwell Estates MHP

Permit ID	KY0091031	Treats Wastewater	Yes, 0.036 MGD with 0.036 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Blackwell Estates MHP

System Summary for Cedar Crest Homeowners Assoc

Permit ID	KY0108120	Treats Wastewater	Yes, 0.0096 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Cedar Crest Homeowners Assoc

System Summary for Corinth Sewer Department

Permit ID	KY0098027	Treats Wastewater	Yes, 0.03 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	118
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.96	Total KISOP Treated (MG)	-
Residential Customers	95	Total Treated (MG)	3.300
Commercial Customers	22	Number of Manholes	4
Institutional Customers	-	Number of Lift Stations	64
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.80 miles (Collection: 6.80 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Corinth Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21081902	Corinth Sewer System Improvements	3-5 Years	Not Funded	$98,670	Grant		

System Summary for Countryside Estates MHP

Permit ID	KY0091201	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Countryside Estates MHP

System Summary for Dry Ridge Sewer Department

Permit ID	KYP000041	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	900
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	60.000
Cost Per 4000 Gallons	$31.96	Total KISOP Treated (MG)	-
Residential Customers	2,145	Total Treated (MG)	-
Commercial Customers	74	Number of Manholes	222
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	1	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 19.73 miles (Collection: 18.90 miles, Interceptors: 0.83 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Dry Ridge Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21081302	Dry Ridge Sewer Pump Stations C & D Upgrades	3-5 Years	Not Funded	$150,000	Grant	12	4
SX21081503	City of Dry Ridge - 2008 Sewer Line Extension	3-5 Years	Not Funded	$874,000	Grant		
SX21081502	City of Dry Ridge - 2008 Sewer System Improvements	3-5 Years	Not Funded	$423,000	Grant		

System Summary for Grant County Sanitary Sewer District

Permit ID	KY0091634	Treats Wastewater	Yes, 0.3 MGD with 0.16 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,525
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.56	Total KISOP Treated (MG)	-
Residential Customers	1,128	Total Treated (MG)	69.500
Commercial Customers	114	Number of Manholes	615
Institutional Customers	-	Number of Lift Stations	24
Industrial Customers	3	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 43.18 miles (Collection: 43.18 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Grant County Sanitary Sewer District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21081305	GCSSD - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	$913,300	Grant	9	2

System Summary for Grantland Estates Subdivision

Permit ID	KY0074284	Treats Wastewater	Yes, 0.044 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.76 miles (Collection: 0.76 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Grantland Estates Subdivision

System Summary for Hy Ridge MHP

Permit ID	KY0080373	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Hy Ridge MHP

System Summary for Saylors MHP

Permit ID	KY0089346	Treats Wastewater	Yes, 0.009 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Saylors MHP

System Summary for Sherman Estates MHP

Permit ID	KY0088315	Treats Wastewater	Yes, 0.03 MGD with 0.025 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Sherman Estates MHP

System Summary for Sherman MHP LLC

Permit ID	KY0100099	Treats Wastewater	Yes, 0.03 MGD with 0.0134 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Sherman MHP LLC

System Summary for Three Springs Campground

Permit ID	KY0084182	Treats Wastewater	Yes, 0.005 MGD with 0.0002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Three Springs Campground

System Summary for Valley View MHP

Permit ID	KY0073202	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Valley View MHP

System Summary for Williamstown Regional WRF

Permit ID	KY0109991	Treats Wastewater	Yes, 1.5 MGD with 0.45 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	940
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	60.000
Residential Customers	885	Total Treated (MG)	219.000
Commercial Customers	41	Number of Manholes	800
Institutional Customers	6	Number of Lift Stations	14
Industrial Customers	5	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 35.98 miles (Collection: 33.12 miles, Interceptors: 2.86 miles).			

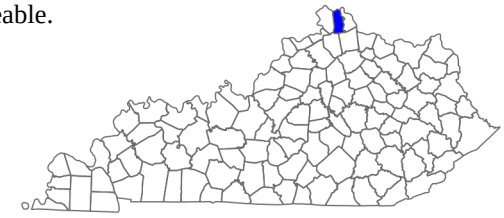
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Williamstown Regional WRF

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21081301	Williamstown Collection System Expansion	3-5 Years	Not Funded	$6,144,800	Grant	13	3
SX21081002	Skyway Lift Station Improvements	0-2 Years	Not Funded	$500,000	Grant		

Kenton County

- 2010 census population of 159,720 (68,975 households) with 95% serviceable.
- Projected 2020 population of 168,458 (change of 8,738).
- Kenton County has 787.88 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,087,456.
- There are no projects planned from 6 to 10 years.



Kenton County has a 2010 census population count of 159,720 (68,975 households) with a projected 2020 population count of 168,458 (68,111 households). Public sewer is currently available to approximately 95 percent of the county's households based on 2010 census counts. Over the next ten years approximately 35 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 1,201 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Bromley	1	$672,165	35	-	1.00	-	-
Kenton County Fiscal Court	1	$845,291	-	1	-	1.00	-
Sanitation District #1 of Northern Kentucky	2	$6,570,000	-	1,200	-	-	-
Totals:	**4**	**$8,087,456**	**35**	**1,201**	**1.00**	**1.00**	**-**

Public Wastewater Systems in Kenton County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0075833	Bel Aire Subdivision	Kenton	100	36
KY0021466	SD1 - Dry Creek	Kenton	147,573	64,232
KYP000015	Florence Water & Sewer Commission	Boone	1,792	847
KY0039756	Walton Wastewater System	Boone	124	51
KY0091634	Grant County Sanitary Sewer District	Grant	78	26
		Totals:	149,667	65,192

Kentucky Infrastructure Authority
February 15, 2018

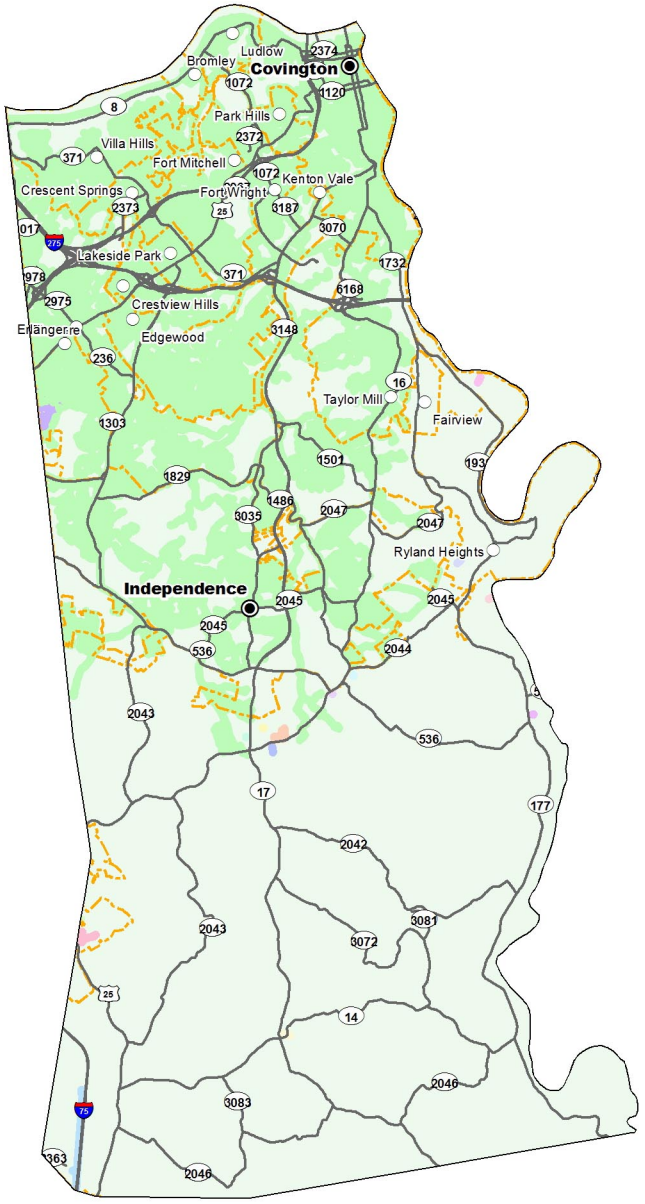
SEWER SERVICE AREAS
KENTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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SEWER SERVICE BY OWNER

- ALL CREATURES VETERINARY CLINIC
- BEL AIRE SUBDIVISION
- COLONY HOUSE APARTMENTS
- FLORENCE WATER & SEWER COMMISSION
- GRANT COUNTY SANITARY SEWER DISTRICT
- HICKORY GROVE BAPTIST CHURCH
- KENTON COUNTY BRANCH YMCA
- PINER ELEM SCHOOL
- PROGRESS RAIL SERVICES
- REGENCY MANOR INC
- RYLAND HEIGHTS ELEM SCHOOL
- RYLAND LAKES COUNTRY CLUB
- SD1 - DRY CREEK
- VISALIA ELEM SCHOOL
- WALTON INDUSTRIAL PARK STP
- WALTON WASTEWATER SYSTEM

System Summary for Bel Aire Subdivision

Permit ID	KY0075833	Treats Wastewater	Yes, 0.01 MGD with 0.0108 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.60 miles (Collection: 0.60 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Bel Aire Subdivision

System Summary for Colony House Apartments

Permit ID	KY0034207	Treats Wastewater	Yes, 0.002 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Colony House Apartments

System Summary for SD1 - Dry Creek

Permit ID	KY0021466	Treats Wastewater	Yes, 46.5 MGD with 34.91 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	50	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.78	Total KISOP Treated (MG)	950.000
Residential Customers	86,169	Total Treated (MG)	12,629.000
Commercial Customers	9,370	Number of Manholes	25000
Institutional Customers	100	Number of Lift Stations	131
Industrial Customers	210	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 1,245.19 miles (Collection: 1,184.46 miles, Interceptors: 60.74 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for SD1 - Dry Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21037110	SD1 - Ash Street Force Main	0-2 Years	Partially Funded	$12,750,000	Campbell	1	1
SX21015009	Evergreen/Ridgeview Sewer Collection Project	0-2 Years	Partially Funded	$2,130,314	Boone	3	1
SX21117001	SD1 - Highland Pike Sewer Replacement	0-2 Years	Partially Funded	$3,330,000	Kenton	4	1
SX21015301	Boone County - Twin Lakes Sanitary Sewer Project	0-2 Years	Not Funded	$2,093,280	Boone	7	2
SX21015003	SD1 - Sand Run PS Influent Sewer Improvements	0-2 Years	Partially Funded	$1,137,020	Boone	10	3
SX21117006	SD1 - Patton and Eighth St. Wet Well Rehabilitations	0-2 Years	Partially Funded	$3,240,000	Kenton		
SX21015300	Boone County - Petersburg, Belleview, and McVille Drainage Improvements	0-2 Years	Not Funded	$2,089,000	Boone		
SX21015004	City of Union - Haven Manor Whispering Trails Storm Drainage Pro	3-5 Years	Not Funded	$809,750	Boone		
SX21117003	Bromley Low Pressure Force Main	0-2 Years	Not Funded	$672,165	Kenton		
SX21015518	City of Union - Whispering Trails Storm Sewer Rehab	0-2 Years	Not Funded	$600,000	Boone		
SX21015105	City of Union - Gunpowder Greens Sanitary Sewer Extension	0-2 Years	Not Funded	$500,000	Boone		

System Summary for Walton Industrial Park STP

Permit ID	KY0102164	Treats Wastewater	Yes, 0.05 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.54	Total KISOP Treated (MG)	-
Residential Customers	347	Total Treated (MG)	3.700
Commercial Customers	25	Number of Manholes	0
Institutional Customers	5	Number of Lift Stations	0
Industrial Customers	6	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

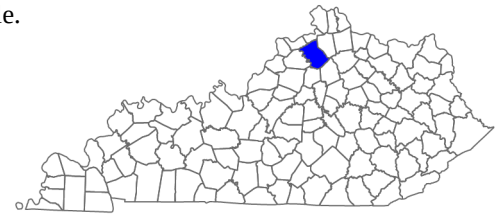
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Walton Industrial Park STP

Owen County

- 2010 census population of 10,841 (5,634 households) with 17% serviceable.
- Projected 2020 population of 11,336 (change of 495).
- Owen County has 19.76 miles of existing sewer lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,817,005.
- There are no projects planned from 6 to 10 years.



Owen County has a 2010 census population count of 10,841 (5,634 households) with a projected 2020 population count of 11,336 (4,713 households). Public sewer is currently available to approximately 17 percent of the county's households based on 2010 census counts. Over the next ten years approximately 38 serviceable households will be added through the construction of 3.00 miles of sewer line extensions.

Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Carrollton	1	$2,120,926	-	-	-	-	-
Owen County Fiscal Court	2	$696,079	38	-	3.00	-	-
Totals:	**3**	**$2,817,005**	**38**	**-**	**3.00**	**-**	**-**

Public Wastewater Systems in Owen County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0028312	Kentucky-American Water Company - Northern Division	Owen	1,401	700
KY0104931	Carrollton Utilities	Carroll	374	234
		Totals:	1,775	934

Kentucky Infrastructure Authority
February 15, 2018

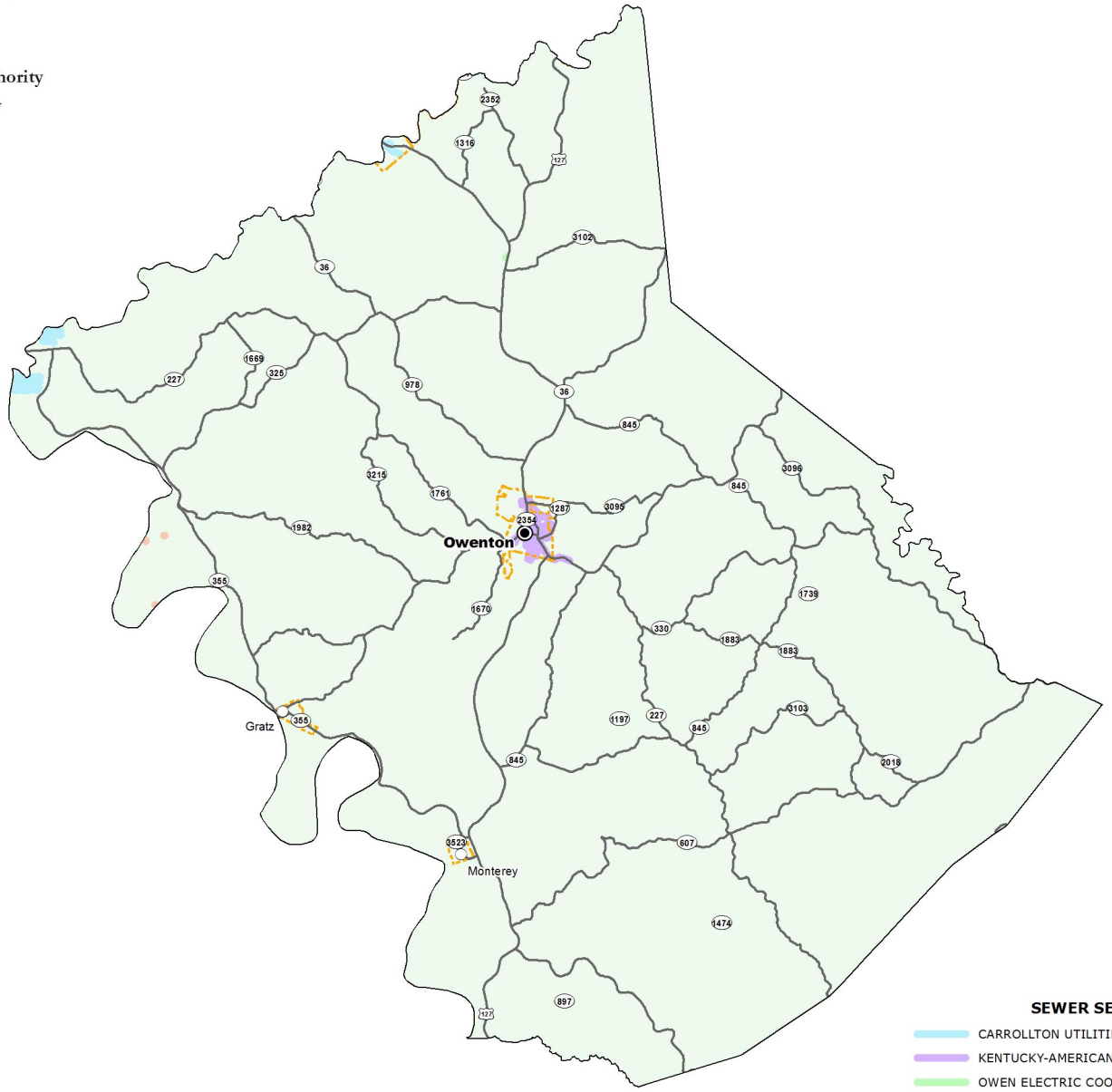
SEWER SERVICE AREAS
OWEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Kentucky-American Water Company - Northern Division

Permit ID	KY0028312	Treats Wastewater	Yes, 0.34 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	594
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	1,600	Total Treated (MG)	80.300
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 12.32 miles (Collection: 8.59 miles, Interceptors: 3.73 miles).			

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

There are no immediate projects for Kentucky-American Water Company - Northern Division

System Summary for Perry Park Resort

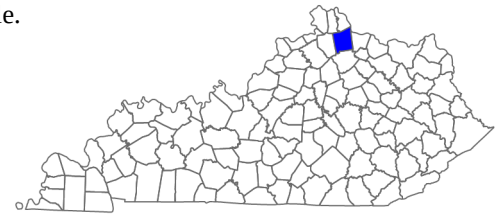
Permit ID	KY0087661	Treats Wastewater	Yes, 0.052 MGD with 0.0113 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.07 miles (Collection: 0.07 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Perry Park Resort

Pendleton County

- 2010 census population of 14,877 (6,339 households) with 25% serviceable.
- Projected 2020 population of 15,387 (change of 510).
- Pendleton County has 28.20 miles of existing sewer lines.
- 14.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,097,262.
- There are no projects planned from 6 to 10 years.



Pendleton County has a 2010 census population count of 14,877 (6,339 households) with a projected 2020 population count of 15,387 (5,987 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 579 serviceable households will be added through the construction of 14.00 miles of sewer line extensions and approximately 1,234 instances of improved service through the rehabilitation of 1.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Butler	1	$548,709	260	-	-	-	-
City of Falmouth	4	$2,747,529	48	1,205	1.00	-	-
Pendleton County Fiscal Court	2	$4,801,024	271	29	13.00	1.00	-
Totals:	**7**	**$8,097,262**	**579**	**1,234**	**14.00**	**1.00**	**-**

Public Wastewater Systems in Pendleton County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021041	Butler Water & Sewer Department	Pendleton	741	340
KY0106267	Falmouth STP (New)	Pendleton	2,682	1,227
		Totals:	3,423	1,567

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
PENDLETON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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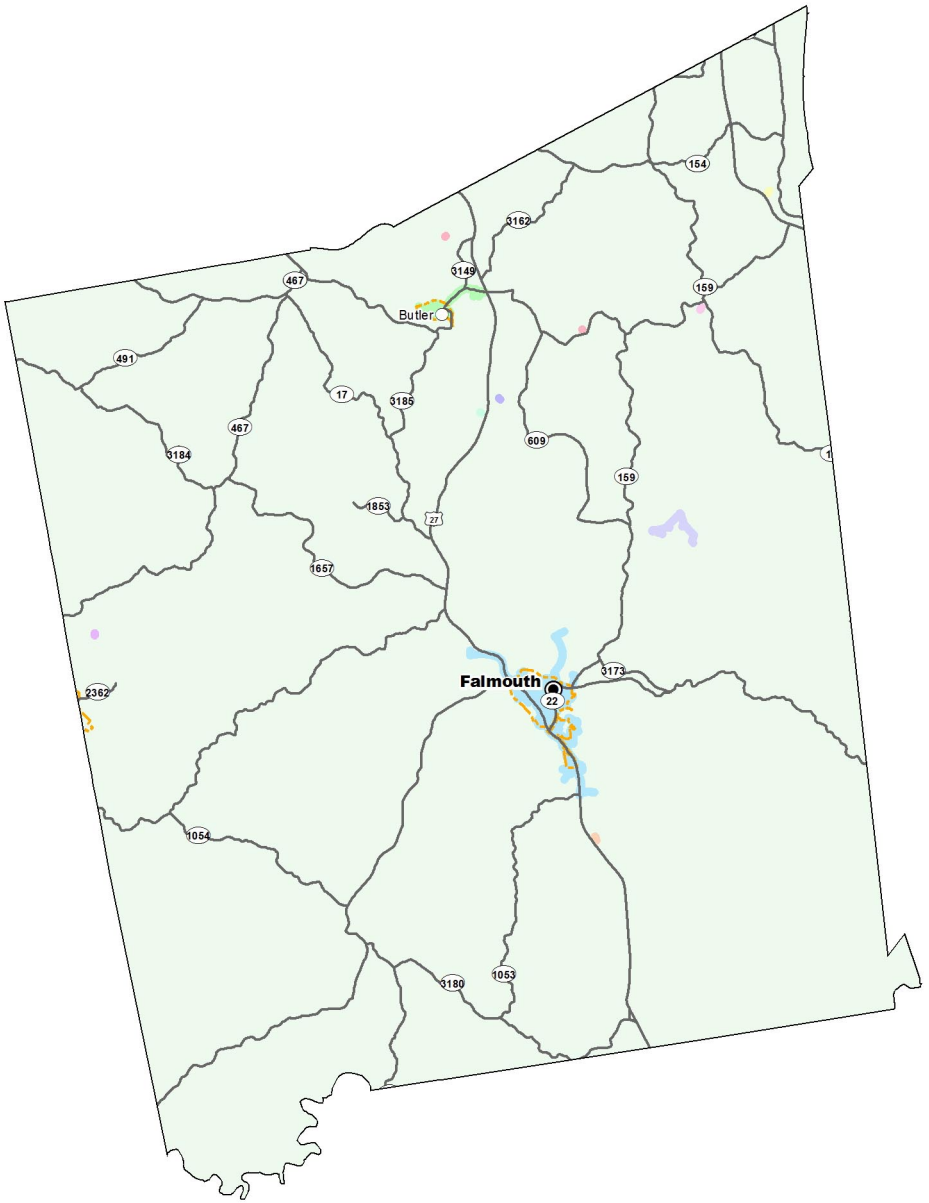
March, 2013



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SEWER SERVICE BY OWNER

- BOSTON HEIGHTS MHP
- BUTLER WATER & SEWER DEPARTMENT
- EAST PENDLETON COUNTY WATER & SEWER
- FALMOUTH STP (NEW)
- GRAND OAK ESTATES
- KINCAID LAKE STATE PARK
- MOUNT AUBURN APARTMENTS
- PENDLETON COUNTY COUNTRY CLUB
- PURE LIFE MINISTRIES
- UNITED KENTUCKY BANK

System Summary for Boston Heights MHP

Permit ID	KY0076902	Treats Wastewater	Yes, 0.012 MGD with 0.001 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Boston Heights MHP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21191002	Sewer U.S. 27 to Sharp Middle School	0-2 Years	Not Funded	$3,241,024	Pendleton	11	3

System Summary for Butler Water & Sewer Department

Permit ID	KY0021041	Treats Wastewater	Yes, 0.14 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	336
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.82	Total KISOP Treated (MG)	-
Residential Customers	317	Total Treated (MG)	14.600
Commercial Customers	12	Number of Manholes	63
Institutional Customers	2	Number of Lift Stations	6
Industrial Customers	2	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 4.65 miles (Collection: 4.57 miles, Interceptors: 0.08 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21191002	Sewer U.S. 27 to Sharp Middle School	0-2 Years	Not Funded	$3,241,024	Pendleton	11	3
SX21191003	Butler WWTP Upgrade	0-2 Years	Not Funded	$548,709	Pendleton		

System Summary for East Pendleton County Water & Sewer

Permit ID	KY0075311	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$41.63	Total KISOP Treated (MG)	-
Residential Customers	55	Total Treated (MG)	1.460
Commercial Customers	-	Number of Manholes	47
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for East Pendleton County Water & Sewer

System Summary for Falmouth STP (New)

Permit ID	KY0106267	Treats Wastewater	Yes, 0.5 MGD with 0.3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,150
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.00	Total KISOP Treated (MG)	-
Residential Customers	1,110	Total Treated (MG)	132.000
Commercial Customers	47	Number of Manholes	297
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	2	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 21.63 miles (Collection: 20.36 miles, Interceptors: 1.27 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Falmouth STP (New)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21191005	Sanitary Sewer and Stormwater Improvements	0-2 Years	Not Funded	$1,151,449	Pendleton	8	1
SX21191004	WWTP Lagoon Aerator Augmentation	0-2 Years	Not Funded	$504,715	Pendleton	14	4
SX21191312	Kincaid State Park Lodge Sewer Main Construction Project	3-5 Years	Not Funded	$1,560,000	Pendleton		
SX21191105	City of Falmouth - Sanitary Sewer Service Extensions	0-2 Years	Not Funded	$389,980	Pendleton		
SX21191006	Klee Property Sewer Line Extension	0-2 Years	Not Funded	$122,168	Pendleton		

System Summary for Grand Oak Estates

Permit ID	KY0101281	Treats Wastewater	Yes, 0.015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Grand Oak Estates

System Summary for Mount Auburn Apartments

Permit ID	KY0088668	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No

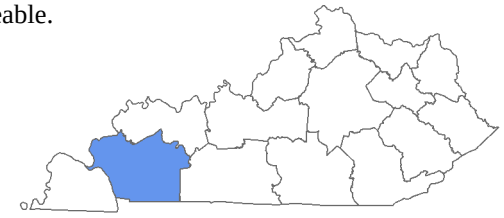
Total Collection System Line Length = 0.05 miles (Collection: 0.05 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Mount Auburn Apartments

Pennyrile Area Development District (PEADD)

- 2010 census population of 219,305 (97,910 households) with 52% serviceable.
- Projected 2020 population of 226,580 (change of 7,275).
- 1,048.59 miles of existing sewer lines.
- 27.00 miles of line extensions proposed in the next 10 years.
- 29.00 miles of line rehabilitation proposed in the next 10 years.
- 40.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $156,032,967.
- Estimated funding needs for projects from 6 to 10 years: $5,653,700.
- Average age of wastewater treatment plants is 37 years.
- Total number of interconnected systems is 7.
- 108 miles of sewer lines less than 15 years old.
- 159 miles of sewer lines between 15 and 30 years old.
- 171 miles of sewer lines between 31 and 50 years old.
- 209 miles of sewer lines between 51 and 70 years old.
- 400 miles of sewer lines greater than 70 years old.



Pennyrile Area Development District has a 2010 census population count of 219,305 (97,910 households) with a projected 2020 population count of 226,580 (89,133 households). Public sewer is currently available to approximately 52 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,430 serviceable households will be added through the construction of 27.00 miles of sewer line extensions and approximately 31,655 instances of improved service through the rehabilitation of 29.00 miles of existing sewer lines and other appurtenances. 40.00 miles of interceptor lines are also proposed within this district.

County Summary for Pennyrile Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Caldwell	12,984	6,292	12,948	5,518	3,287	52%	$ 7,329,086
Christian	73,955	29,459	77,840	28,340	19,469	66%	$ 74,237,278
Crittenden	9,315	4,569	9,156	3,775	1,568	34%	$ 12,355,600
Hopkins	46,920	21,180	48,007	19,684	13,806	65%	$ 16,823,612
Livingston	9,519	4,824	9,438	4,074	2,038	42%	$ 7,653,812
Lyon	8,314	4,791	8,523	3,430	1,621	34%	$ 3,459,942
Muhlenberg	31,499	13,699	31,466	12,337	5,337	39%	$ 25,231,161
Todd	12,460	5,286	12,958	4,989	1,782	34%	$ 14,596,176
Trigg	14,339	7,810	16,244	6,986	1,494	19%	-
Totals	**219,305**	**97,910**	**226,580**	**89,133**	**50,402**	**51%**	**$ 161,686,667**

Water Resource Information System

Kentucky Infrastructure Authority

February 15, 2018

EXISTING & PROPOSED SEWER LINES

PEADD

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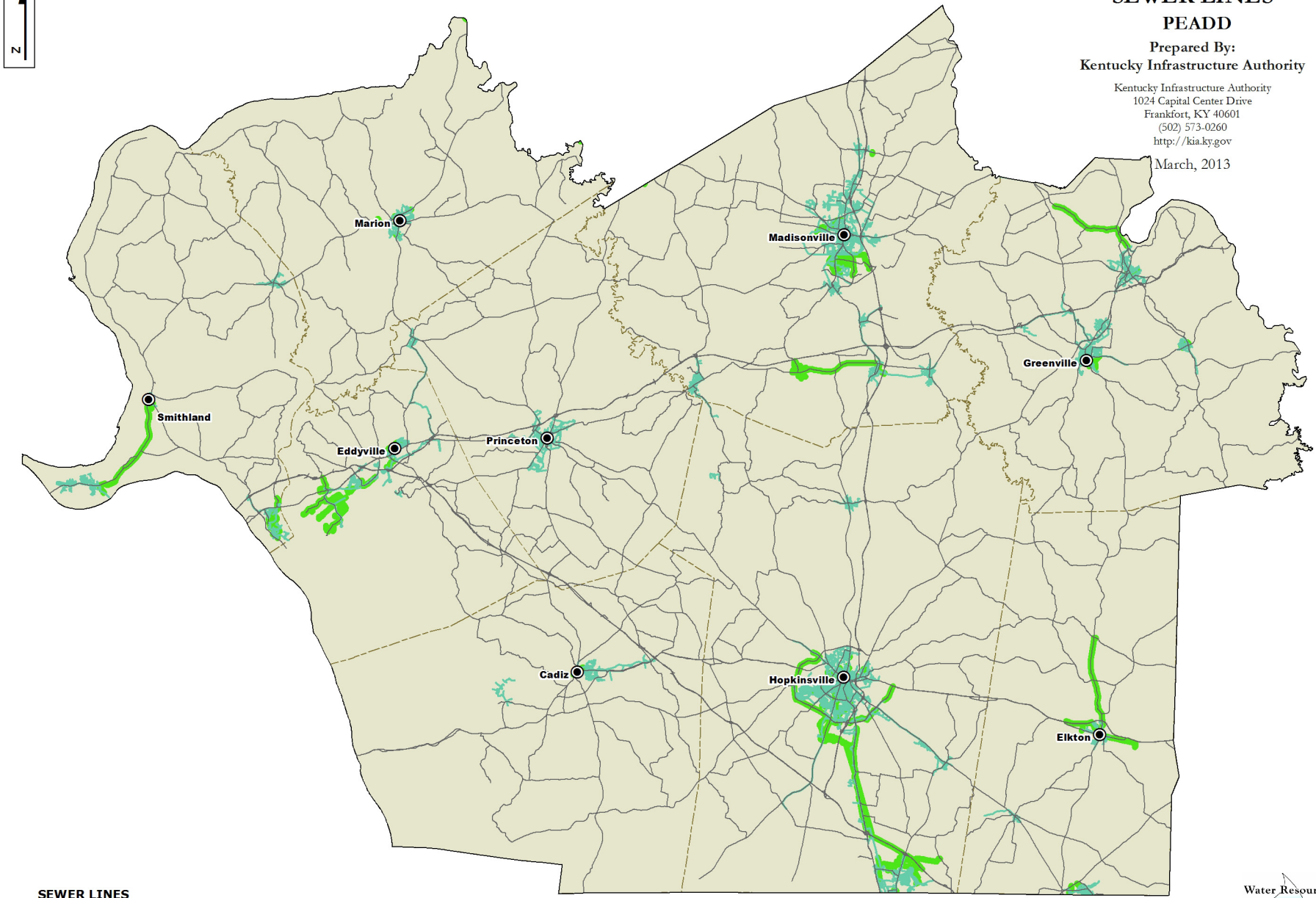
March, 2013



Water Resource Information System

Public Sewer Systems in the Pennyrile Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000048	Fredonia Water Department	Caldwell	413	202
KY0028401	Princeton Water & Wastewater Commission	Caldwell	6,255	3,085
KY0066591	Hopkinsville Water Environment Authority - Crofton	Christian	982	478
KY0066532	Hopkinsville Water Environment Authority - Hammond Wood	Christian	34,674	15,712
KY0094056	Hopkinsville Water Environment Authority - Oak Grove	Christian	7,317	3,273
KY0020061	Marion Water Department	Crittenden	3,175	1,568
KY0023868	Dawson Springs Water & Sewer System	Hopkins	2,674	1,274
KYP000043	Earlington Water & Sewer Department	Hopkins	1,390	705
KYP000047	Hanson Water System	Hopkins	994	394
KY0098043	Madisonville Municipal Utilities	Hopkins	21,408	9,939
KYP000050	Mortons Gap Water Department	Hopkins	915	422
KY0066583	Nortonville Sewer Department	Hopkins	1,626	731
KYP000062	White Plains Sewer Department	Hopkins	791	345
KY0110795	Lake City WWTP	Livingston	894	621
KY0100251	Ledbetter Water District	Livingston	1,876	846
KY0066541	Salem Municipal Water System	Livingston	785	382
KY0025836	Smithland Water & Sewer System	Livingston	335	189
KY0027979	Eddyville Water Department	Lyon	2,144	898
KY0020419	Kuttawa Water Department	Lyon	901	606
KYP000079	Lyon County Water District	Lyon	126	117
KY0023540	Central City Municipal Water & Sewer System	Muhlenberg	5,871	2,285
KY0066575	Drakesboro Water & Sewer	Muhlenberg	885	406
KY0020010	Greenville Utilities Commission	Muhlenberg	5,538	2,302
KYP000064	Powderly Sewer System	Muhlenberg	719	344
KY0023442	Elkton Utilities	Todd	2,155	959
KY0063649	Guthrie Water Works	Todd	1,412	636
KY0020982	Trenton Water Works	Todd	388	187
KY0026891	Cadiz Water & Sewer Commission	Trigg	3,100	1,473
		Totals:	109,743	50,379

Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21055006	City of Marion - New Wastewater Treatment Plant	3-5 Years	Partially Funded	$11,547,600	Crittenden	1	1
SX21107025	Sanitary Sewer System Rehabilitation and WWTP Improvements	0-2 Years	Not Funded	$1,901,000	Hopkins	2	1
SX21107022	Madisonville - Hanson Relief Interceptor	3-5 Years	Not Funded	$5,433,001	Hopkins	3	2
SX21047028	HWEA SRF Phase VIII - Expand Hammond-Wood WWTP & Interceptor	0-2 Years	Partially Funded	$39,324,000	Christian	4	1
SX21139014	Smithland Lagoon Rehabilitation Project	0-2 Years	Not Funded	$135,812	Livingston	5	1
SX21033006	Fredonia - Lift Station Improvements	3-5 Years	Not Funded	$369,736	Caldwell	6	1
SX21221002	Cadiz Sewer Main Replacement	3-5 Years	Partially Funded	$900,000	Trigg	7	1
SX21177023	Drakesboro Wastewater Treatment Plant Emergency Standby Generato	0-2 Years	Not Funded	$40,000	Muhlenberg	8	1
SX21219014	Elkton - Wastewater System Rehabilitation and Improvements	3-5 Years	Partially Funded	$3,934,451	Todd	9	1
SX21143009	City of Kuttawa - Old Kuttawa Lift Station & Force Main Replacement	0-2 Years	Not Funded	$768,787	Lyon	10	1
SX21033010	Princeton - WWTP Improvements-Grit Chamber and Sludge Holding Tank	0-2 Years	Not Funded	$803,500	Caldwell	11	2
SX21139010	Smithland Sewer Rehabilitation	3-5 Years	Not Funded	$1,517,000	Livingston	12	2
SX21047031	HWEA Phase IX Sewer Rehabilitation Priority 3 & 3A	0-2 Years	Not Funded	$7,044,050	Christian	13	2
SX21219011	Trenton - Wastewater Treatment Plant Improvements Project	3-5 Years	Not Funded	$525,000	Todd	14	2
SX21033011	Princeton Sanitary Sewer Rehabilitation	0-2 Years	Not Funded	$2,150,000	Caldwell	15	3
SX21143014	Magnolia Lift Station & Force Main Replacement	0-2 Years	Not Funded	$451,835	Lyon	16	2
SX21047011	HWEA - Oak Grove Wastewater Treatment Plant Expansion - Construction	3-5 Years	Not Funded	$3,500,000	Christian	17	3
SX21139011	Grand Rivers - Wastewater System Rehabilitation	0-2 Years	Not Funded	$1,000,000	Livingston	18	3
SX21219019	Elkton - WWTP energy efficiency upgrade	0-2 Years	Not Funded	$82,800	Todd	19	3
SX21107009	Madisonville South Main Sewer Interceptor Phase 2	3-5 Years	Not Funded	$1,443,200	Hopkins	20	3
SX21047023	HWEA Oak Grove Village Sewer Project	0-2 Years	Not Funded	$7,500,000	Christian	21	4
SX21139009	Grand Rivers - Sewer Line Extension	3-5 Years	Not Funded	$1,450,000	Livingston	22	4
SX21107010	Madisonville South Main Sewer Interceptor Phase 3	6-10 Years	Not Funded	$1,742,700	Hopkins	23	4
SX21219007	Trenton - Sewer System Improvements	0-2 Years	Partially Funded	$535,000	Todd	24	4
SX21219018	Elkton - Winding Oaks Sewer Project	6-10 Years	Not Funded	$360,000	Todd	25	5
SX21033007	Princeton Sewer Rehabilitation Phase II Basins 7 & 8	3-5 Years	Partially Funded	$1,450,000	Caldwell	26	4
SX21047029	HWEA- Rockbridge Interceptor	0-2 Years	Not Funded	$12,624,576	Christian	27	5
SX21033009	Princeton-Wastewater Treatment Plant Phosphorus Upgrade	3-5 Years	Not Funded	$2,555,850	Caldwell	28	5
SX21047009	HWEA - Oak Grove Spring Meadows Sewer	0-2 Years	Not Funded	$4,244,652	Christian	29	6
SX21219010	Guthrie - WWTP Debt Reduction	3-5 Years	Not Funded	$487,000	Todd	30	6
SX21219013	Todd County Fiscal Court - Lake Malone Sewer Study	3-5 Years	Not Funded	$100,000	Todd	31	7
SX21143008	City of Kuttawa - Wastewater System Rehabilitation	3-5 Years	Partially Funded	$200,000	Lyon	32	3
SX21219012	Elkton - Hwy 181 North Sewer Main Extension	11-20 Years	Not Funded	$750,000	Todd	33	8

Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21143011	Wastewater System Evaluation and Rehabilitation - South of Fairv	3-5 Years	Not Funded	$1,393,300	Lyon	34	4
SX21219009	Guthrie - WWTP Expansion	3-5 Years	Not Funded	$7,000,000	Todd	35	9
SX21143015	Eddyville - New Industrial Park Lift Station Project	0-2 Years	Not Funded	$212,425	Lyon	36	5
			Total Cost:	**$125,477,275**			

Caldwell County

- 2010 census population of 12,984 (6,292 households) with 52% serviceable.
- Projected 2020 population of 12,948 (change of -36).
- Caldwell County has 68.38 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 16.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,329,086.
- There are no projects planned from 6 to 10 years.

Caldwell County has a 2010 census population count of 12,984 (6,292 households) with a projected 2020 population count of 12,948 (5,518 households). Public sewer is currently available to approximately 52 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,843 instances of improved service through the rehabilitation of 16.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Fredonia	1	$369,736	-	190	-	-	-
Princeton Water & Wastewater Commission	4	$6,959,350	-	3,653	-	16.00	-
Totals:	**5**	**$7,329,086**	**-**	**3,843**	**-**	**16.00**	**-**

Public Wastewater Systems in Caldwell County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000048	Fredonia Water Department	Caldwell	413	202
KY0028401	Princeton Water & Wastewater Commission	Caldwell	6,255	3,085
		Totals:	6,668	3,287

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CALDWELL COUNTY
Kentucky

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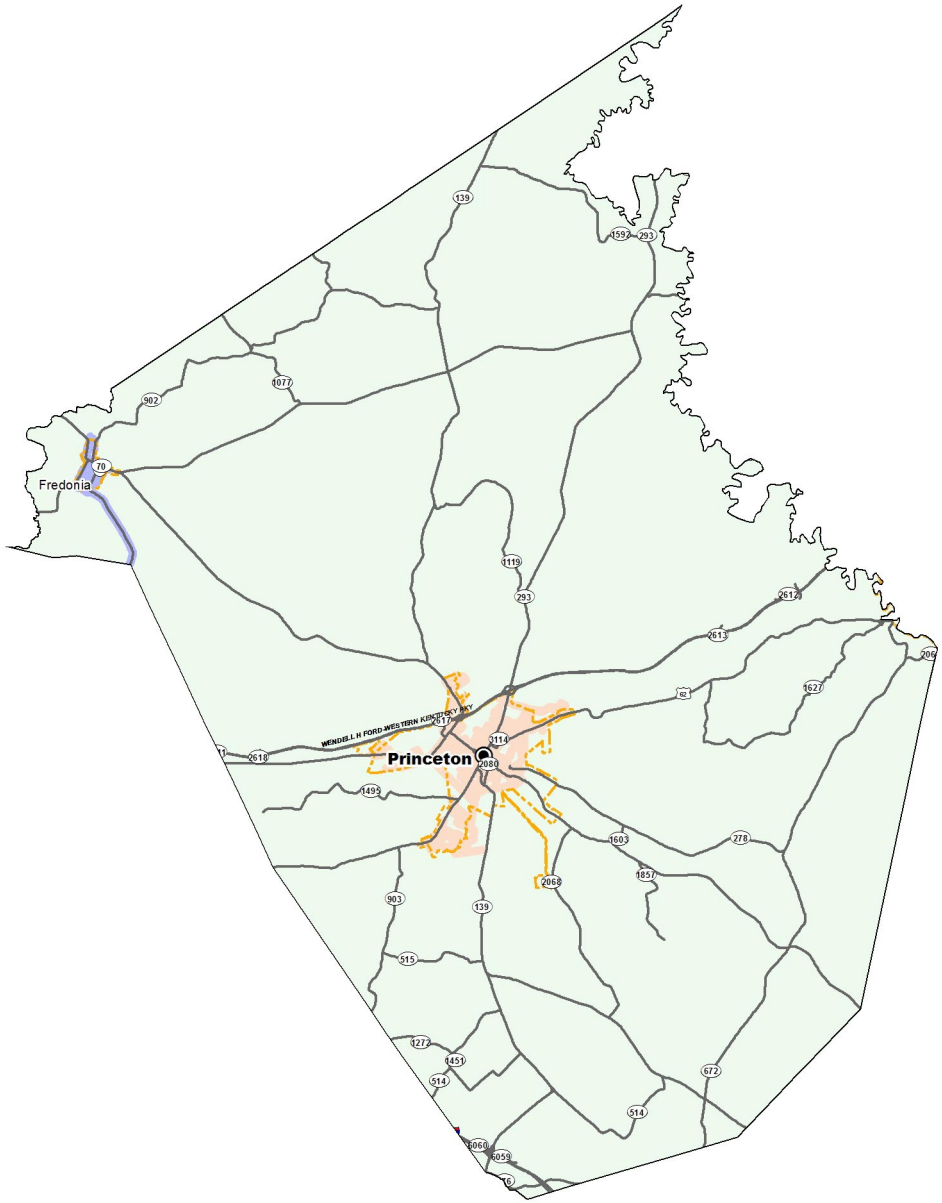


System Summary for Fredonia Water Department

Permit ID	KYP000048	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	195
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	4.620
Cost Per 4000 Gallons	$42.28	Total KISOP Treated (MG)	-
Residential Customers	181	Total Treated (MG)	-
Commercial Customers	14	Number of Manholes	134
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 13.05 miles (Collection: 6.65 miles, Interceptors: 6.40 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21033006	Fredonia - Lift Station Improvements	3-5 Years	Not Funded	$369,736	Caldwell	6	1

System Summary for Princeton Water & Wastewater Commission

Permit ID	KY0028401	Treats Wastewater	Yes, 1.57 MGD with 0.8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,921
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.04	Total KISOP Treated (MG)	-
Residential Customers	2,567	Total Treated (MG)	431.338
Commercial Customers	217	Number of Manholes	852
Institutional Customers	129	Number of Lift Stations	6
Industrial Customers	7	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 59.24 miles (Collection: 59.24 miles, Interceptors: 0.00 miles).

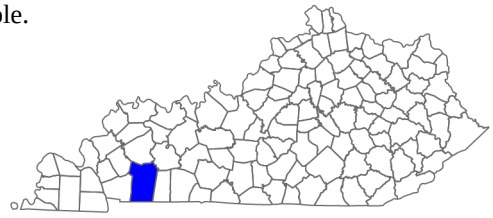
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Princeton Water & Wastewater Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21033010	Princeton - WWTP Improvements-Grit Chamber and Sludge Holding Tank	0-2 Years	Not Funded	$803,500	Caldwell	11	2
SX21033011	Princeton Sanitary Sewer Rehabilitation	0-2 Years	Not Funded	$2,150,000	Caldwell	15	3
SX21033007	Princeton Sewer Rehabilitation Phase II Basins 7 & 8	3-5 Years	Partially Funded	$1,450,000	Caldwell	26	4
SX21033009	Princeton-Wastewater Treatment Plant Phosphorus Upgrade	3-5 Years	Not Funded	$2,555,850	Caldwell	28	5

Christian County

- 2010 census population of 73,955 (29,459 households) with 66% serviceable.
- Projected 2020 population of 77,840 (change of 3,885).
- Christian County has 317.71 miles of existing sewer lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 22.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $74,237,278.
- There are no projects planned from 6 to 10 years.



Christian County has a 2010 census population count of 73,955 (29,459 households) with a projected 2020 population count of 77,840 (28,340 households). Public sewer is currently available to approximately 66 percent of the county's households based on 2010 census counts. Over the next ten years approximately 396 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 13,591 instances of improved service through the rehabilitation of 6.00 miles of existing sewer lines and other appurtenances. 22.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Hopkinsville Water Environment Authority	6	$74,237,278	396	13,591	4.00	6.00	22.00
Totals:	**6**	**$74,237,278**	**396**	**13,591**	**4.00**	**6.00**	**22.00**

Public Wastewater Systems in Christian County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0066591	Hopkinsville Water Environment Authority - Crofton	Christian	982	478
KY0066532	Hopkinsville Water Environment Authority - Hammond Wood	Christian	34,674	15,712
KY0094056	Hopkinsville Water Environment Authority - Oak Grove	Christian	7,317	3,273
		Totals:	42,973	19,463

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CHRISTIAN COUNTY
Kentucky

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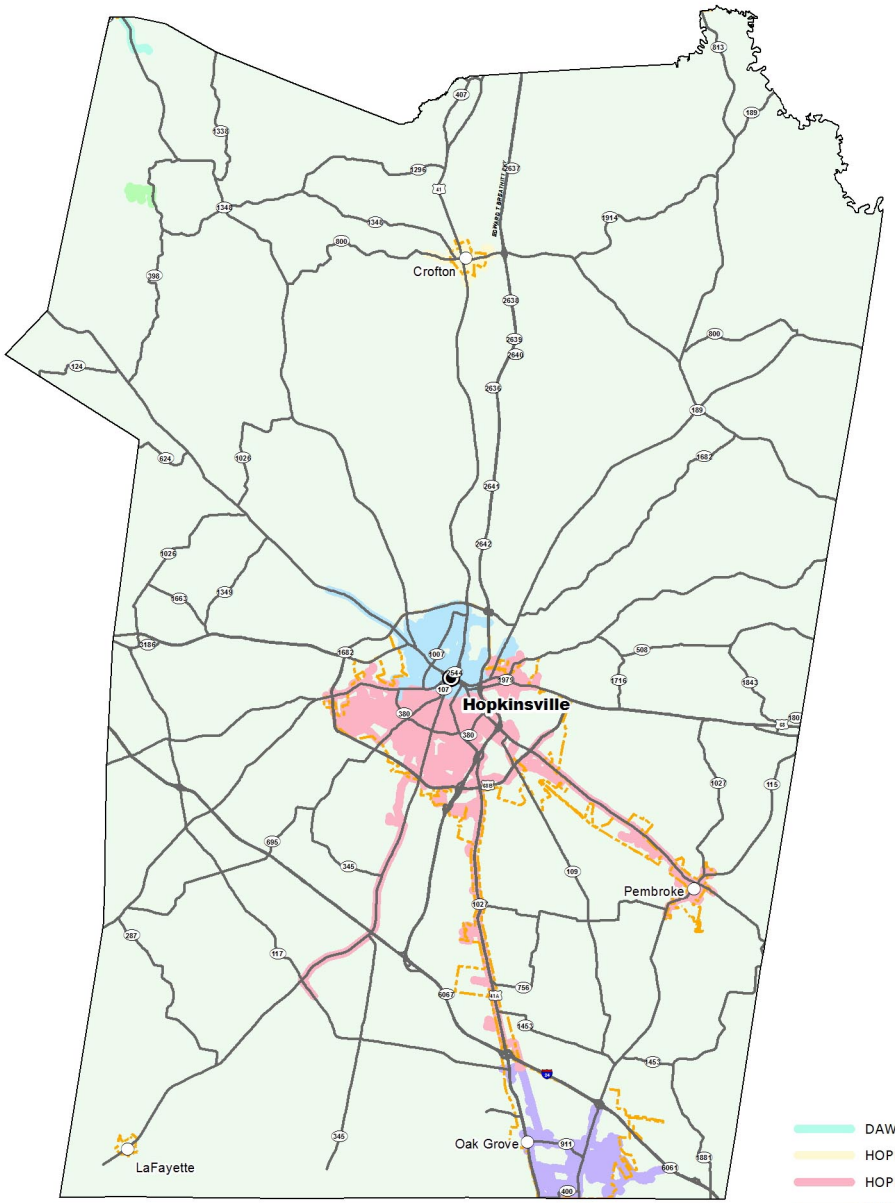
March, 2013



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SEWER SERVICE BY OWNER

- DAWSON SPRINGS WATER & SEWER SYSTEM
- HOPKINSVILLE WATER ENVIRONMENT AUTHORITY - CROFTON
- HOPKINSVILLE WATER ENVIRONMENT AUTHORITY - HAMMOND WOOD
- HOPKINSVILLE WATER ENVIRONMENT AUTHORITY - NORTHSIDE
- HOPKINSVILLE WATER ENVIRONMENT AUTHORITY - OAK GROVE
- PENNYRILE FOREST STATE RESORT PARK

System Summary for Hopkinsville Water Environment Authority - Crofton

Permit ID	KY0066591	Treats Wastewater	Yes, 0.2 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	354
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	65	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.30	Total KISOP Treated (MG)	-
Residential Customers	310	Total Treated (MG)	29.100
Commercial Customers	43	Number of Manholes	202
Institutional Customers	1	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 11.19 miles (Collection: 11.19 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hopkinsville Water Environment Authority - Crofton

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21047031	HWEA Phase IX Sewer Rehabilitation Priority 3 & 3A	0-2 Years	Not Funded	$7,044,050	Christian	13	2

System Summary for Hopkinsville Water Environment Authority - Hammond Wood

Permit ID	KY0066532	Treats Wastewater	Yes, 6 MGD with 3.63 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	12,811
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	65	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.16	Total KISOP Treated (MG)	-
Residential Customers	10,951	Total Treated (MG)	1,351.441
Commercial Customers	1,689	Number of Manholes	4712
Institutional Customers	106	Number of Lift Stations	58
Industrial Customers	59	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed

Total Collection System Line Length = 252.28 miles (Collection: 251.34 miles, Interceptors: 0.94 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Hopkinsville Water Environment Authority - Hammond Wood

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21047028	HWEA SRF Phase VIII - Expand Hammond-Wood WWTP & Interceptor	0-2 Years	Partially Funded	$39,324,000	Christian	4	1
SX21047029	HWEA- Rockbridge Interceptor	0-2 Years	Not Funded	$12,624,576	Christian	27	5

System Summary for Hopkinsville Water Environment Authority - Oak Grove

Permit ID	KY0094056	Treats Wastewater	Yes, 0.72 MGD with 0.37 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,790
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.02	Total KISOP Treated (MG)	-
Residential Customers	2,620	Total Treated (MG)	140.310
Commercial Customers	158	Number of Manholes	617
Institutional Customers	9	Number of Lift Stations	16
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed

Total Collection System Line Length = 50.21 miles (Collection: 50.21 miles, Interceptors: 0.00 miles).

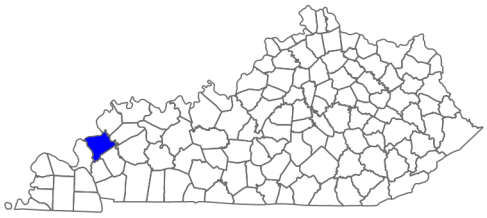
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Hopkinsville Water Environment Authority - Oak Grove

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21047011	HWEA - Oak Grove Wastewater Treatment Plant Expansion - Construction	3-5 Years	Not Funded	$3,500,000	Christian	17	3
SX21047023	HWEA Oak Grove Village Sewer Project	0-2 Years	Not Funded	$7,500,000	Christian	21	4
SX21047009	HWEA - Oak Grove Spring Meadows Sewer	0-2 Years	Not Funded	$4,244,652	Christian	29	6

Crittenden County

- 2010 census population of 9,315 (4,569 households) with 34% serviceable.
- Projected 2020 population of 9,156 (change of -159).
- Crittenden County has 32.63 miles of existing sewer 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,355,600.
- There are no projects planned from 6 to 10 years.



Crittenden County has a 2010 census population count of 9,315 (4,569 households) with a projected 2020 population count of 9,156 (3,775 households). Public sewer is currently available to approximately 34 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 3,065 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Marion	2	$12,355,600	2	3,065	1.00	-	-
Totals:	**2**	**$12,355,600**	**2**	**3,065**	**1.00**	**-**	**-**

Public Wastewater Systems in Crittenden County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020061	Marion Water Department	Crittenden	3,175	1,568
		Totals:	3,175	1,568

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CRITTENDEN COUNTY
Kentucky

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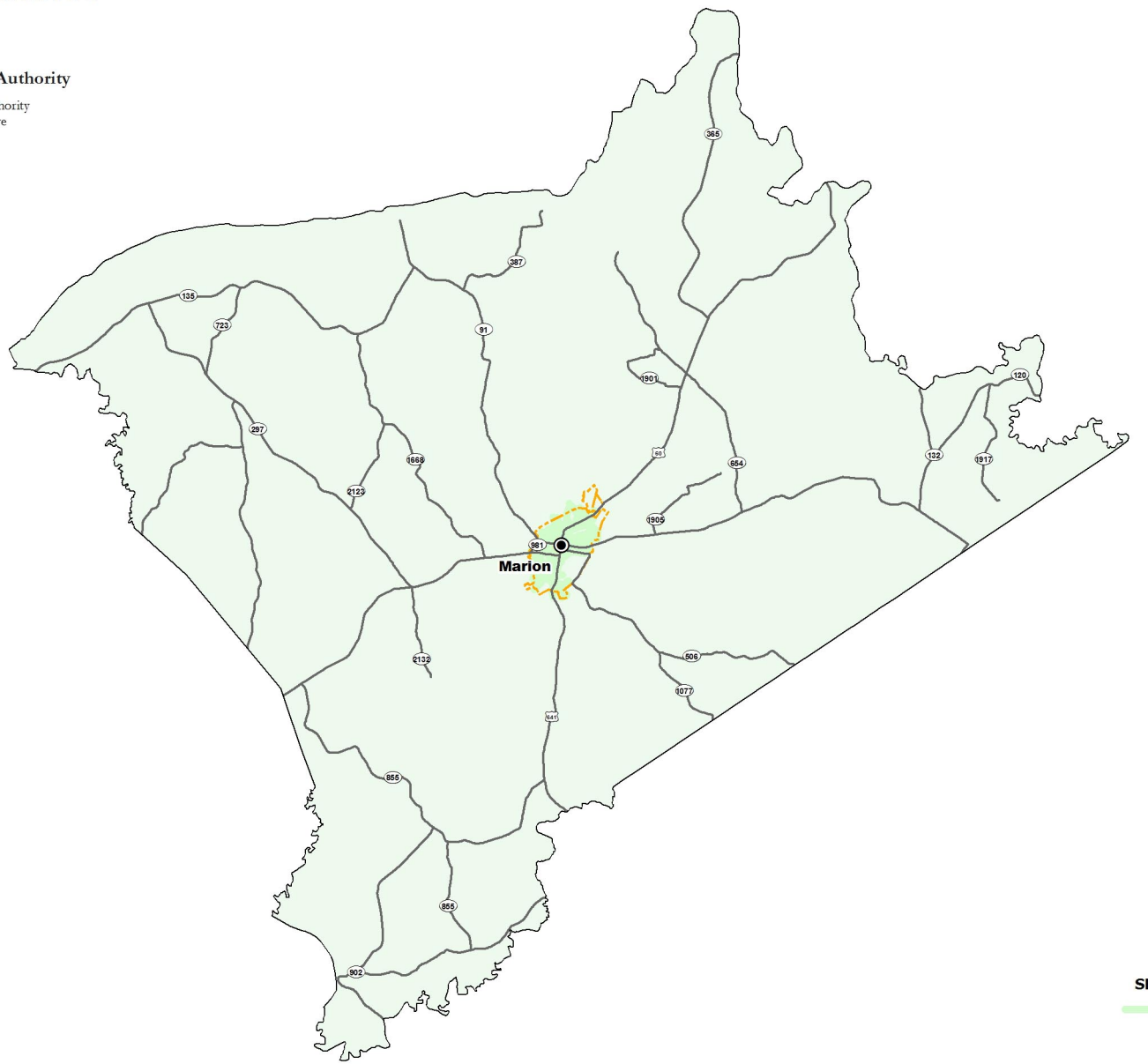


System Summary for Marion Water Department

Permit ID	KY0020061	Treats Wastewater	Yes, 0.66 MGD with 0.53 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,428
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.22	Total KISOP Treated (MG)	-
Residential Customers	1,254	Total Treated (MG)	195.551
Commercial Customers	171	Number of Manholes	518
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	3	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 32.63 miles (Collection: 32.63 miles, Interceptors: 0.00 miles).			

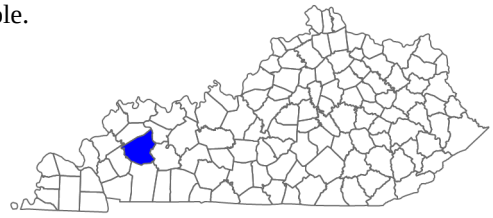
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21055006	City of Marion - New Wastewater Treatment Plant	3-5 Years	Partially Funded	$11,547,600	Crittenden	1	1
SX21055005	Marion - WWTP Wet Weather Improvements Project	0-2 Years	Not Funded	$808,000	Crittenden		

Hopkins County

- 2010 census population of 46,920 (21,180 households) with 65% serviceable.
- Projected 2020 population of 48,007 (change of 1,087).
- Hopkins County has 276.73 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 9.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $15,080,912.
- Estimated funding needs for projects from 6 to 10 years: $1,742,700.



Hopkins County has a 2010 census population count of 46,920 (21,180 households) with a projected 2020 population count of 48,007 (19,684 households). Public sewer is currently available to approximately 65 percent of the county's households based on 2010 census counts. Over the next ten years approximately 785 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 1,505 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 9.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Earlington	1	$1,650,000	-	532	-	2.00	-
City of Hanson	2	$348,356	-	301	-	-	-
City of Madisonville	5	$9,269,024	635	279	7.00	-	2.00
City of Mortons Gap	1	$220,000	-	393	-	-	-
City of St Charles	2	$3,435,232	150	-	5.00	-	7.00
Dawson Springs City Water and Sewer	1	$1,901,000	-	-	-	-	-
Totals:	**12**	**$16,823,612**	**785**	**1,505**	**12.00**	**2.00**	**9.00**

Public Wastewater Systems in Hopkins County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0023868	Dawson Springs Water & Sewer System	Hopkins	2,670	1,270
KYP000043	Earlington Water & Sewer Department	Hopkins	1,390	705
KYP000047	Hanson Water System	Hopkins	994	394
KY0098043	Madisonville Municipal Utilities	Hopkins	21,408	9,939
KYP000050	Mortons Gap Water Department	Hopkins	915	422
KY0066583	Nortonville Sewer Department	Hopkins	1,626	731
KYP000062	White Plains Sewer Department	Hopkins	791	345
		Totals:	29,794	13,806

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HOPKINS COUNTY
Kentucky

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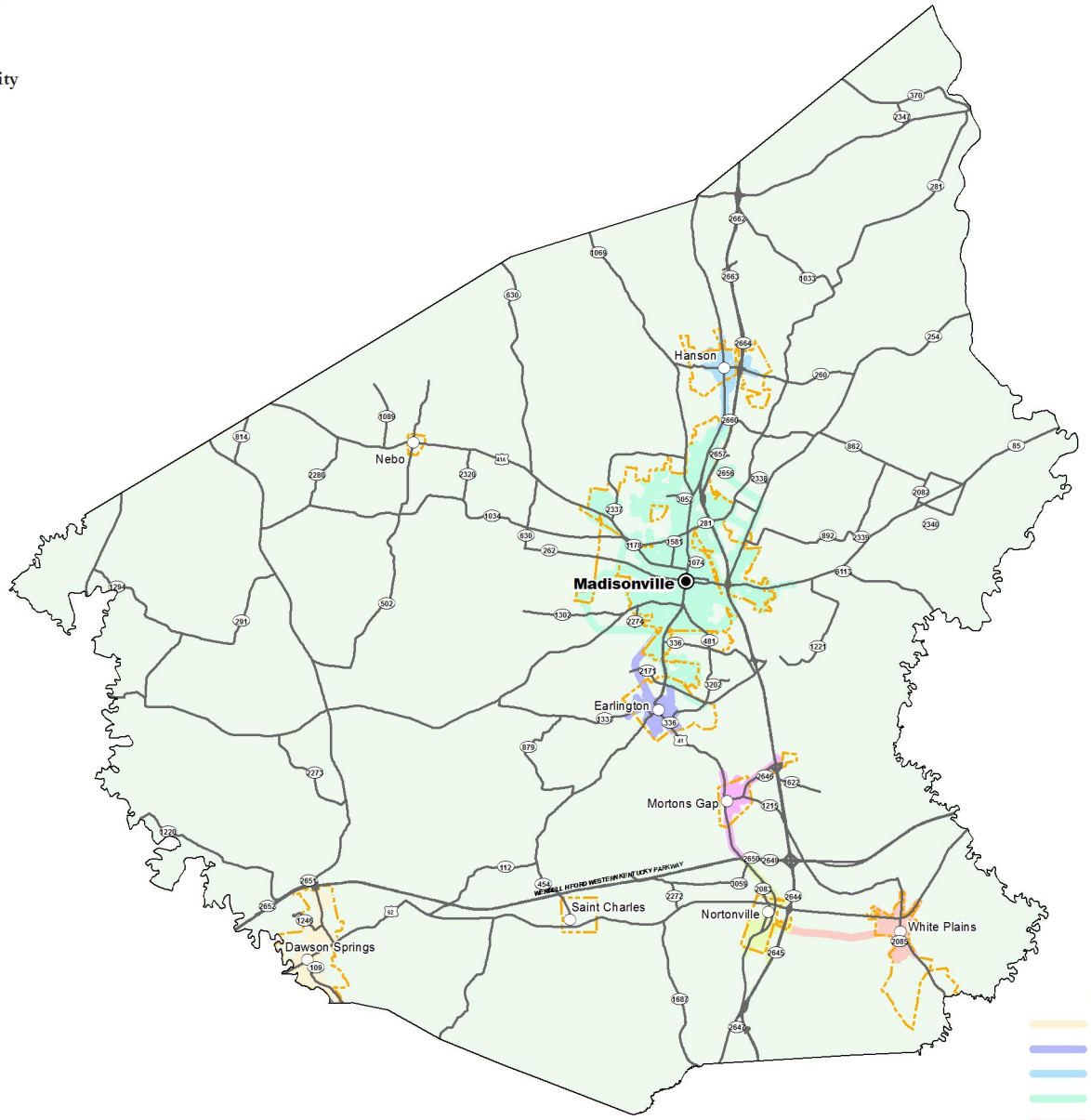


System Summary for Dawson Springs Water & Sewer System

Permit ID	KY0023868	Treats Wastewater	Yes, 0.36 MGD with 0.3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	973
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$38.57	Total KISOP Treated (MG)	-
Residential Customers	840	Total Treated (MG)	152.000
Commercial Customers	132	Number of Manholes	313
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 21.04 miles (Collection: 21.04 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21107025	Sanitary Sewer System Rehabilitation and WWTP Improvements	0-2 Years	Not Funded	$1,901,000	Hopkins	2	1

System Summary for Earlington Water & Sewer Department

Permit ID	KYP000043	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	510
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	64.389
Cost Per 4000 Gallons	$43.92	Total KISOP Treated (MG)	-
Residential Customers	484	Total Treated (MG)	-
Commercial Customers	25	Number of Manholes	257
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 16.39 miles (Collection: 13.97 miles, Interceptors: 2.42 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21107017	Earlington - Sewer System Improvements	0-2 Years	Partially Funded	$1,650,000	Hopkins		

System Summary for Hanson Water System

Permit ID	KYP000047	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	273
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	17.376
Cost Per 4000 Gallons	$55.08	Total KISOP Treated (MG)	-
Residential Customers	265	Total Treated (MG)	-
Commercial Customers	7	Number of Manholes	138
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 15.23 miles (Collection: 14.65 miles, Interceptors: 0.58 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21107013	Hanson - Hopkins County Industrial Park Sewer Main	3-5 Years	Not Funded	$298,856	Hopkins		
SX21107020	Hanson - Emergency Standby Generators	3-5 Years	Not Funded	$49,500	Hopkins		

System Summary for Madisonville Municipal Utilities

Permit ID	KY0098043	Treats Wastewater	Yes, 6 MGD with 4.8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	9,004
Owner Type	Incorporated City	KISOP Sender	No
Employees	30	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.00	Total KISOP Treated (MG)	81.765
Residential Customers	7,965	Total Treated (MG)	1,600.000
Commercial Customers	1,021	Number of Manholes	2600
Institutional Customers	-	Number of Lift Stations	49
Industrial Customers	13	Percent Lines 20 yrs or Older	80%
KISOP Customers	2	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 183.08 miles (Collection: 183.08 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21107022	Madisonville - Hanson Relief Interceptor	3-5 Years	Not Funded	$5,433,001	Hopkins	3	2
SX21107009	Madisonville South Main Sewer Interceptor Phase 2	3-5 Years	Not Funded	$1,443,200	Hopkins	20	3
SX21107010	Madisonville South Main Sewer Interceptor Phase 3	6-10 Years	Not Funded	$1,742,700	Hopkins	23	4
SX21107023	Madisonville - Sewer Extension to Hopkins County Sports Complex	3-5 Years	Partially Funded	$467,123	Hopkins		
SX21107026	Madisonville Pump Replacement Project	0-2 Years	Partially Funded	$183,000	Hopkins		

System Summary for Mortons Gap Water Department

Permit ID	KYP000050	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	363
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	32.218
Cost Per 4000 Gallons	$40.02	Total KISOP Treated (MG)	-
Residential Customers	344	Total Treated (MG)	-
Commercial Customers	18	Number of Manholes	120
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 12.50 miles (Collection: 10.97 miles, Interceptors: 1.53 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21107019	Mortons Gap - Sewer Pump Replacement Project	3-5 Years	Not Funded	$220,000	Hopkins		

System Summary for Nortonville Sewer Department

Permit ID	KY0066583	Treats Wastewater	Yes, 0.75 MGD with 0.29 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	526
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$45.00	Total KISOP Treated (MG)	48.572
Residential Customers	495	Total Treated (MG)	57.099
Commercial Customers	31	Number of Manholes	213
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	2	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 14.95 miles (Collection: 14.95 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Nortonville Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21107014	St. Charles Sanitary Sewer System - Construction	3-5 Years	Not Funded	$3,400,000	Hopkins		

System Summary for Spence MHP

Permit ID	KY0094501	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Spence MHP

System Summary for White Plains Sewer Department

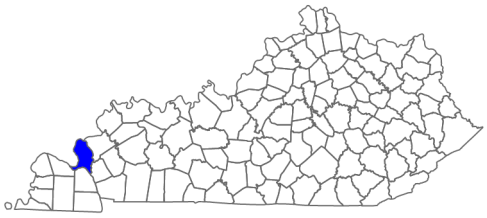
Permit ID	KYP000062	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	303
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	16.354
Cost Per 4000 Gallons	$46.95	Total KISOP Treated (MG)	-
Residential Customers	397	Total Treated (MG)	-
Commercial Customers	5	Number of Manholes	224
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 15.08 miles (Collection: 12.03 miles, Interceptors: 3.05 miles).			

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

There are no immediate projects for White Plains Sewer Department

Livingston County

- 2010 census population of 9,519 (4,824 households) with 42% serviceable.
- Projected 2020 population of 9,438 (change of -81).
- Livingston County has 68.15 miles of existing sewer lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,102,812.
- Estimated funding needs for projects from 6 to 10 years: $3,551,000.



Livingston County has a 2010 census population count of 9,519 (4,824 households) with a projected 2020 population count of 9,438 (4,074 households). Public sewer is currently available to approximately 42 percent of the county's households based on 2010 census counts. Over the next ten years approximately 225 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 550 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 6.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Grand Rivers	2	$2,450,000	55	200	4.00	1.00	-
City of Smithland	3	$5,203,812	170	350	3.00	-	6.00
Totals:	**5**	**$7,653,812**	**225**	**550**	**7.00**	**1.00**	**6.00**

Public Wastewater Systems in Livingston County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0110795	Lake City WWTP	Livingston	894	621
KY0100251	Ledbetter Water District	Livingston	1,876	846
KY0066541	Salem Municipal Water System	Livingston	785	382
KY0025836	Smithland Water & Sewer System	Livingston	335	189
		Totals:	3,890	2,038

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LIVINGSTON COUNTY
Kentucky

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March, 2013

System Summary for Lake City WWTP

Permit ID	KY0110795	Treats Wastewater	Yes, 0.5 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 22.77 miles (Collection: 22.77 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Lake City WWTP

System Summary for Ledbetter Water District

Permit ID	KY0100251	Treats Wastewater	Yes, 0.3 MGD with 0.12 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	810
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$50.95	Total KISOP Treated (MG)	-
Residential Customers	775	Total Treated (MG)	37.595
Commercial Customers	34	Number of Manholes	398
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	1	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 27.90 miles (Collection: 27.90 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21139012	City of Smithland - Ledbetter Interceptor	6-10 Years	Not Funded	$3,551,000	Livingston		

System Summary for Salem Municipal Water System

Permit ID	KY0066541	Treats Wastewater	Yes, 0.16 MGD with 0.07 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	394
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.79	Total KISOP Treated (MG)	-
Residential Customers	343	Total Treated (MG)	23.218
Commercial Customers	42	Number of Manholes	202
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 11.22 miles (Collection: 11.22 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Salem Municipal Water System

System Summary for Smithland Water & Sewer System

Permit ID	KY0025836	Treats Wastewater	Yes, 0.07 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	181
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.39	Total KISOP Treated (MG)	-
Residential Customers	131	Total Treated (MG)	16.500
Commercial Customers	49	Number of Manholes	100
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 6.31 miles (Collection: 6.31 miles, Interceptors: 0.00 miles).			

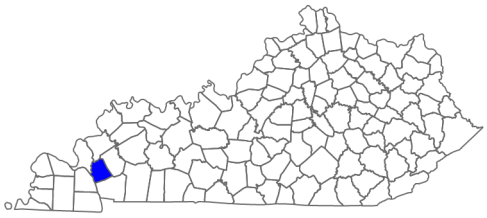
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21139014	Smithland Lagoon Rehabilitation Project	0-2 Years	Not Funded	$135,812	Livingston	5	1
SX21139010	Smithland Sewer Rehabilitation	3-5 Years	Not Funded	$1,517,000	Livingston	12	2
SX21139012	City of Smithland - Ledbetter Interceptor	6-10 Years	Not Funded	$3,551,000	Livingston		

Lyon County

- 2010 census population of 8,314 (4,791 households) with 34% serviceable.
- Projected 2020 population of 8,523 (change of 209).
- Lyon County has 60.73 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,459,942.
- There are no projects planned from 6 to 10 years.



Lyon County has a 2010 census population count of 8,314 (4,791 households) with a projected 2020 population count of 8,523 (3,430 households). Public sewer is currently available to approximately 34 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 sewer line extensions and approximately 819 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Eddyville	3	$1,786,900	-	-	-	-	-
City of Kuttawa	4	$1,673,042	2	819	-	1.00	1.00
Totals:	**7**	**$3,459,942**	**2**	**819**	**-**	**1.00**	**1.00**

Public Wastewater Systems in Lyon County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0027979	Eddyville Water Department	Lyon	2,144	898
KY0020419	Kuttawa Water Department	Lyon	901	606
KYP000079	Lyon County Water District	Lyon	126	117
		Totals:	3,171	1,621

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
LYON COUNTY
Kentucky

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March, 2013

SEWER SERVICE BY OWNER

- EDDYVILLE WATER DEPARTMENT
- FREDONIA WATER DEPARTMENT
- GRAND RIVERS WATER SYSTEM
- KUTTAWA WATER DEPARTMENT
- LYON COUNTY WATER DISTRICT

System Summary for Eddyville Water Department

Permit ID	KY0027979	Treats Wastewater	Yes, 0.75 MGD with 0.29 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,018
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.16	Total KISOP Treated (MG)	4.620
Residential Customers	800	Total Treated (MG)	136.568
Commercial Customers	169	Number of Manholes	358
Institutional Customers	46	Number of Lift Stations	10
Industrial Customers	1	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 31.42 miles (Collection: 28.45 miles, Interceptors: 2.97 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21143012	Western Kentucky Correctional Complex Pump Station	3-5 Years	Not Funded	$347,000	Lyon		

System Summary for Kuttawa Water Department

Permit ID	KY0020419	Treats Wastewater	Yes, 0.33 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	451
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.21	Total KISOP Treated (MG)	3.271
Residential Customers	414	Total Treated (MG)	40.151
Commercial Customers	35	Number of Manholes	253
Institutional Customers	-	Number of Lift Stations	15
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 23.05 miles (Collection: 21.17 miles, Interceptors: 1.88 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21143009	City of Kuttawa - Old Kuttawa Lift Station & Force Main Replacement	0-2 Years	Not Funded	$768,787	Lyon	10	1
SX21143014	Magnolia Lift Station & Force Main Replacement	0-2 Years	Not Funded	$451,835	Lyon	16	2
SX21143008	City of Kuttawa - Wastewater System Rehabilitation	3-5 Years	Partially Funded	$200,000	Lyon	32	3
SX21143010	Old Kuttawa Sanitary Sewer Expansion	0-2 Years	Partially Funded	$252,420	Lyon		

System Summary for Lyon County Water District

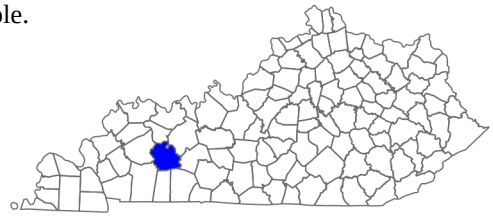
Permit ID	KYP000079	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	45
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	3.271
Cost Per 4000 Gallons	$15.00	Total KISOP Treated (MG)	-
Residential Customers	40	Total Treated (MG)	-
Commercial Customers	5	Number of Manholes	34
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.29 miles (Collection: 2.29 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Lyon County Water District

Muhlenberg County

- 2010 census population of 31,499 (13,699 households) with 39% serviceable.
- Projected 2020 population of 31,466 (change of -33).
- Muhlenberg County has 133.37 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $25,231,161.
- There are no projects planned from 6 to 10 years.



Muhlenberg County has a 2010 census population count of 31,499 (13,699 households) with a projected 2020 population count of 31,466 (12,337 households). Public sewer is currently available to approximately 39 percent of the county's households based on 2010 census counts. Over the next ten years approximately 400 serviceable households will be added through the construction of 0.00 miles of sewer line extensions and approximately 5,674 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Central City Municipal Water & Sewer System	3	$24,100,000	-	5,624	-	2.00	-
City of Central City	1	$634,530	-	50	-	1.00	-
City of Drakesboro	1	$40,000	-	-	-	-	-
City of Greenville	1	$456,631	400	-	-	-	1.00
Totals:	**6**	**$25,231,161**	**400**	**5,674**	**-**	**3.00**	**1.00**

Public Wastewater Systems in Muhlenberg County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0023540	Central City Municipal Water & Sewer System	Muhlenberg	5,871	2,285
KY0066575	Drakesboro Water & Sewer	Muhlenberg	885	406
KY0020010	Greenville Utilities Commission	Muhlenberg	5,538	2,302
KYP000064	Powderly Sewer System	Muhlenberg	719	344
		Totals:	13,013	5,337

Kentucky Infrastructure Authority
February 15, 2018

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MUHLENBERG COUNTY
Kentucky

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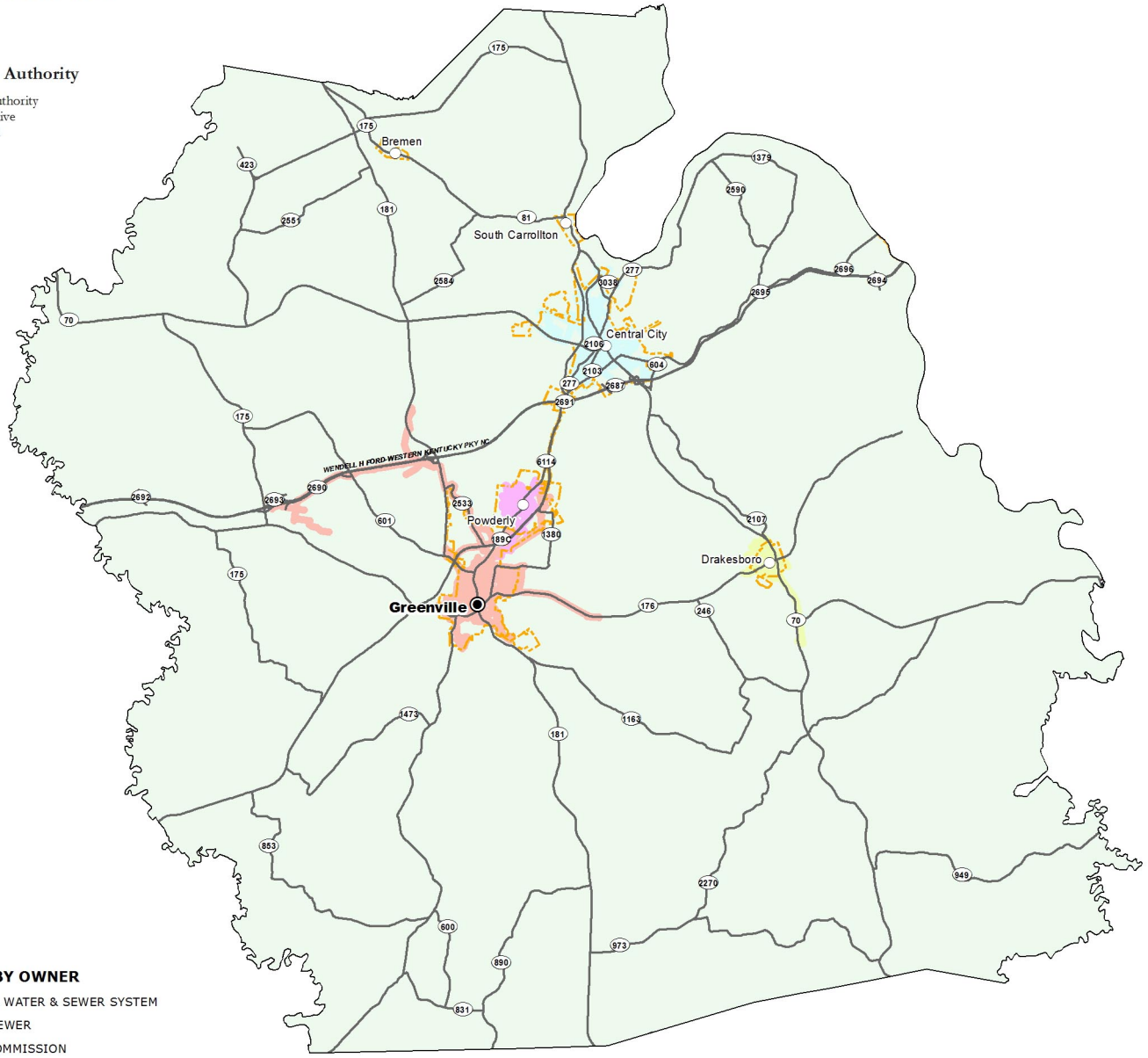


SEWER SERVICE BY OWNER

- CENTRAL CITY MUNICIPAL WATER & SEWER SYSTEM
- DRAKESBORO WATER & SEWER
- GREENVILLE UTILITIES COMMISSION
- POWDERLY SEWER SYSTEM

System Summary for Central City Municipal Water & Sewer System

Permit ID	KY0023540	Treats Wastewater	Yes, 1.2 MGD with 0.975 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,892
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	18	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.53	Total KISOP Treated (MG)	-
Residential Customers	1,649	Total Treated (MG)	343.188
Commercial Customers	243	Number of Manholes	153
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 47.65 miles (Collection: 39.59 miles, Interceptors: 8.07 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Central City Municipal Water & Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21177020	Central City - Combined Waste Water Improvements Project	0-2 Years	Not Funded	$14,000,000	Muhlenberg		
SX21177010	Central City - WWTP Expansion	0-2 Years	Partially Funded	$7,500,000	Muhlenberg		
SX21177015	Central City-Wastewater Collection System Upgrade	3-5 Years	Not Funded	$2,600,000	Muhlenberg		

System Summary for Drakesboro Water & Sewer

Permit ID	KY0066575	Treats Wastewater	Yes, 0.16 MGD with 0.07 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	253
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$72.00	Total KISOP Treated (MG)	-
Residential Customers	250	Total Treated (MG)	16.803
Commercial Customers	3	Number of Manholes	175
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 11.50 miles (Collection: 11.50 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21177023	Drakesboro Wastewater Treatment Plant Emergency Standby Generato	0-2 Years	Not Funded	$40,000	Muhlenberg	8	1

System Summary for Greenville Utilities Commission

Permit ID	KY0020010	Treats Wastewater	Yes, 1.31 MGD with 1.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,663
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.32	Total KISOP Treated (MG)	12.819
Residential Customers	1,339	Total Treated (MG)	327.041
Commercial Customers	261	Number of Manholes	596
Institutional Customers	-	Number of Lift Stations	18
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 60.43 miles (Collection: 52.95 miles, Interceptors: 7.48 miles).

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21177025	Paradise Lift Station Force Main Replacement	0-2 Years	Partially Funded	$456,631	Muhlenberg		

System Summary for Powderly Sewer System

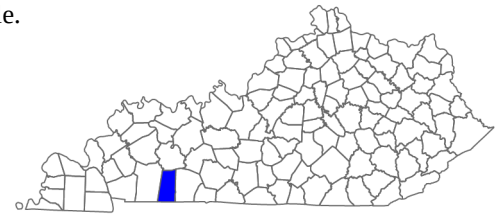
Permit ID	KYP000064	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	369
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	12.819
Cost Per 4000 Gallons	$30.76	Total KISOP Treated (MG)	-
Residential Customers	322	Total Treated (MG)	-
Commercial Customers	41	Number of Manholes	271
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 12.88 miles (Collection: 11.73 miles, Interceptors: 1.15 miles).			

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

There are no immediate projects for Powderly Sewer System

Todd County

- 2010 census population of 12,460 (5,286 households) with 34% serviceable.
- Projected 2020 population of 12,958 (change of 498).
- Todd County has 42.39 miles of existing sewer lines.
- 3.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $14,236,176.
- Estimated funding needs for projects from 6 to 10 years: $360,000.



Todd County has a 2010 census population count of 12,460 (5,286 households) with a projected 2020 population count of 12,958 (4,989 households). Public sewer is currently available to approximately 34 percent of the county's households based on 2010 census counts. Over the next ten years approximately 620 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 2,608 instances of improved service through system wide upgrades. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Elkton	4	$6,017,251	20	1,794	3.00	-	1.00
City of Guthrie	3	$7,953,925	-	631	-	-	-
City of Trenton	1	$525,000	-	183	-	-	-
Todd County Fiscal Court	1	$100,000	600	-	-	-	-
Totals:	**9**	**$14,596,176**	**620**	**2,608**	**3.00**	**-**	**1.00**

Public Wastewater Systems in Todd County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0023442	Elkton Utilities	Todd	2,155	959
KY0063649	Guthrie Water Works	Todd	1,412	636
KY0020982	Trenton Water Works	Todd	388	187
		Totals:	3,955	1,782

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
TODD COUNTY
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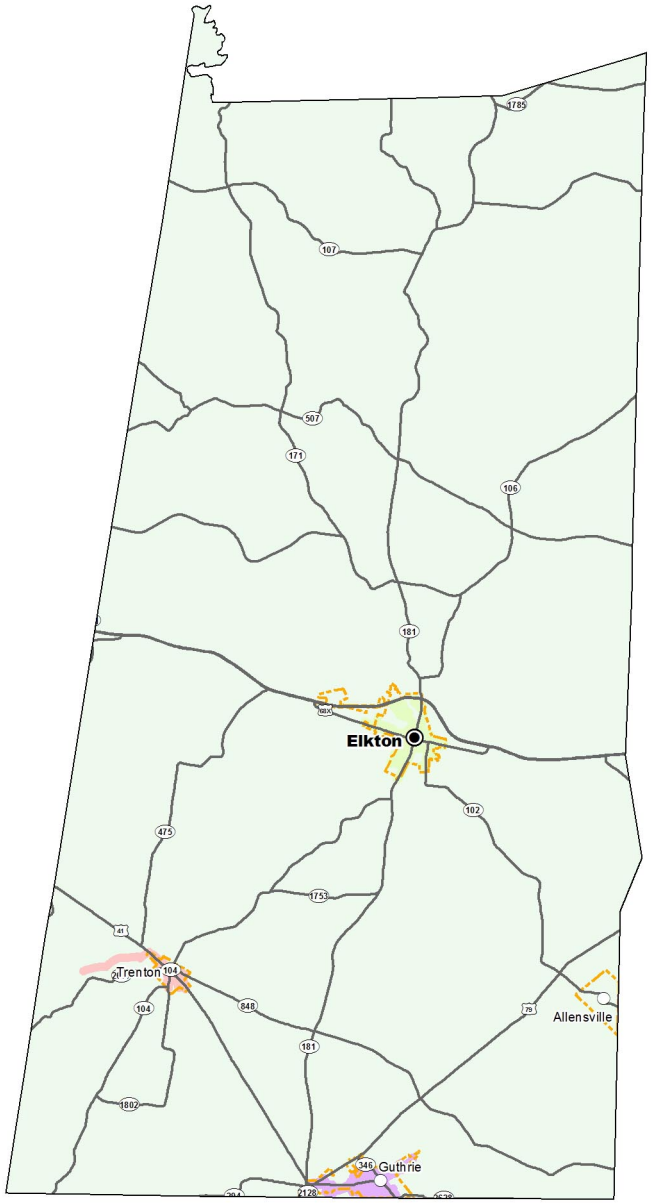

SEWER SERVICE BY OWNER

- ELKTON UTILITIES
- GUTHRIE WATER WORKS
- TRENTON WATER WORKS

System Summary for Elkton Utilities

Permit ID	KY0023442	Treats Wastewater	Yes, 0.46 MGD with 0.198 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	878
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.42	Total KISOP Treated (MG)	-
Residential Customers	718	Total Treated (MG)	72.271
Commercial Customers	154	Number of Manholes	267
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	6	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 19.54 miles (Collection: 19.54 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21219014	Elkton - Wastewater System Rehabilitation and Improvements	3-5 Years	Partially Funded	$3,934,451	Todd	9	1
SX21219019	Elkton - WWTP energy efficiency upgrade	0-2 Years	Not Funded	$82,800	Todd	19	3
SX21219018	Elkton - Winding Oaks Sewer Project	6-10 Years	Not Funded	$360,000	Todd	25	5
SX21219021	Elkton - Sewer Plant Improvement Project	3-5 Years	Not Funded	$1,640,000	Todd		

System Summary for Guthrie Water Works

Permit ID	KY0063649	Treats Wastewater	Yes, 0.31 MGD with 0.16 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	725
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.78	Total KISOP Treated (MG)	-
Residential Customers	683	Total Treated (MG)	26.000
Commercial Customers	42	Number of Manholes	208
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 15.72 miles (Collection: 15.72 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21219010	Guthrie - WWTP Debt Reduction	3-5 Years	Not Funded	$487,000	Todd	30	6
SX21219009	Guthrie - WWTP Expansion	3-5 Years	Not Funded	$7,000,000	Todd	35	9
SX21219022	Guthrie Wastewater System Evaluation & Improvement Project	0-2 Years	Not Funded	$466,925	Todd		

System Summary for Trenton Water Works

Permit ID	KY0020982	Treats Wastewater	Yes, 0.125 MGD with 0.02 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	190
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$41.67	Total KISOP Treated (MG)	-
Residential Customers	185	Total Treated (MG)	12.776
Commercial Customers	5	Number of Manholes	91
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 7.18 miles (Collection: 7.18 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21219011	Trenton - Wastewater Treatment Plant Improvements Project	3-5 Years	Not Funded	$525,000	Todd	14	2

Trigg County

- 2010 census population of 14,339 (7,810 households) with 19% serviceable.
- Projected 2020 population of 16,244 (change of 1,905).
- Trigg County has 48.50 miles of existing sewer 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 interceptor 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.

Trigg County has a 2010 census population count of 14,339 (7,810 households) with a projected 2020 population count of 16,244 (6,986 households). Public sewer is currently available to approximately 19 percent of the county's households based on 2010 census counts. There are no projects proposed for this county over the next 10 years.

Public Wastewater Systems in Trigg County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026891	Cadiz Water & Sewer Commission	Trigg	3,100	1,473
		Totals:	3,100	1,473

Kentucky Infrastructure Authority
February 15, 2018

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TRIGG COUNTY
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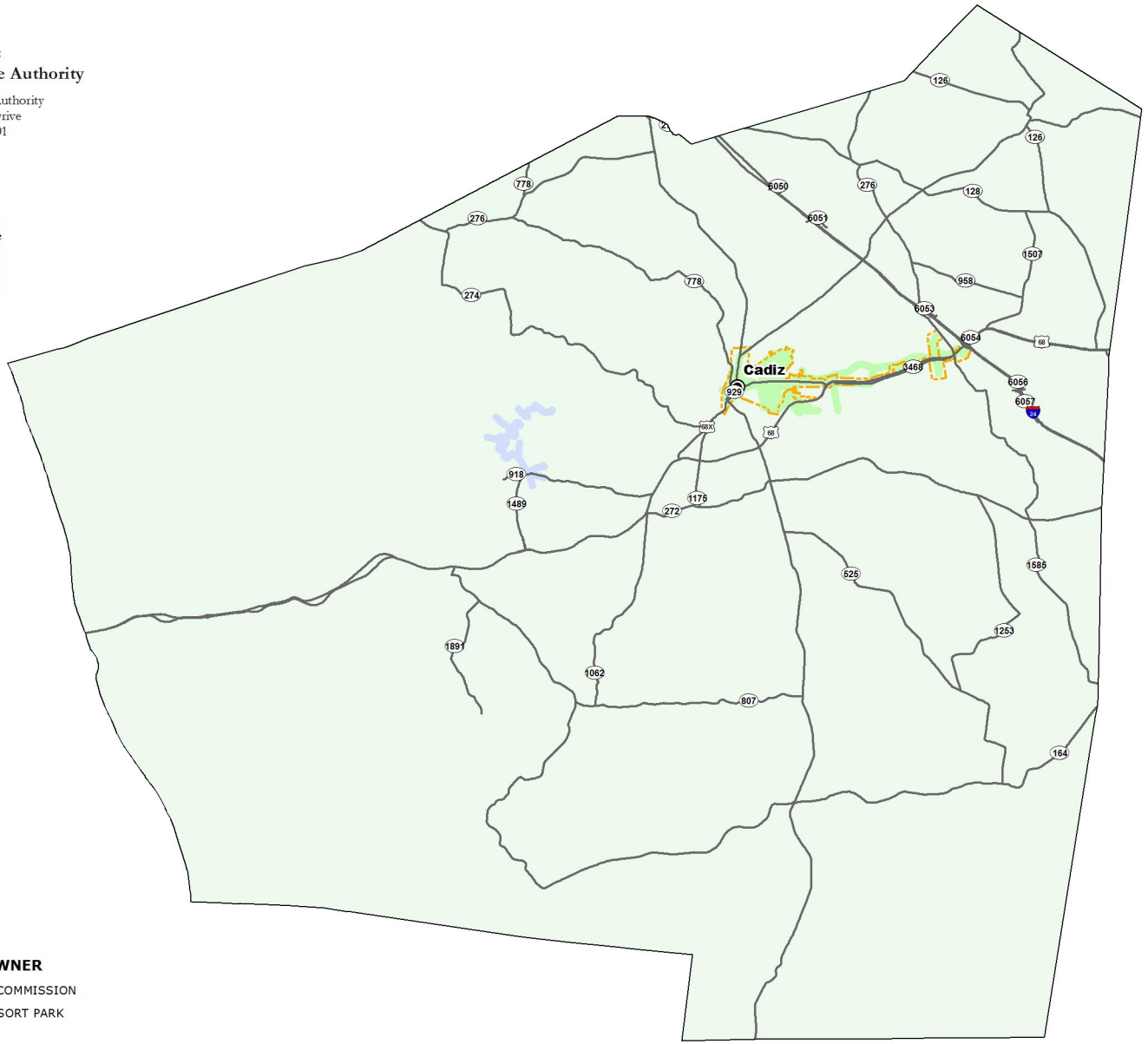
March, 2013



SEWER SERVICE BY OWNER

- CADIZ WATER & SEWER COMMISSION
- LAKE BARKLEY STATE RESORT PARK

System Summary for Cadiz Water & Sewer Commission

Permit ID	KY0026891	Treats Wastewater	Yes, 0.594 MGD with 0.231 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,206
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.60	Total KISOP Treated (MG)	-
Residential Customers	988	Total Treated (MG)	81.485
Commercial Customers	179	Number of Manholes	664
Institutional Customers	-	Number of Lift Stations	18
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 41.02 miles (Collection: 41.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Cadiz Water & Sewer Commission

System Summary for Heather Hills Est Prop Owners

Permit ID	KY0022985	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Heather Hills Est Prop Owners

System Summary for Vacation Club International

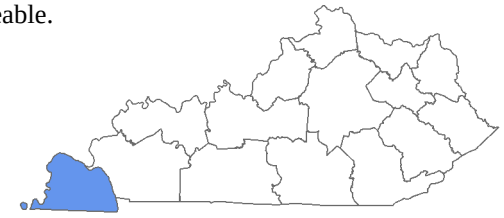
Permit ID	KY0028631	Treats Wastewater	Yes, 0.012 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Vacation Club International

Purchase Area Development District (PUADD)

- 2010 census population of 196,393 (93,709 households) with 49% serviceable.
- Projected 2020 population of 201,697 (change of 5,304).
- 942.17 miles of existing sewer lines.
- 121.00 miles of line extensions proposed in the next 10 years.
- 129.00 miles of line rehabilitation proposed in the next 10 years.
- 33.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $116,816,530.
- Estimated funding needs for projects from 6 to 10 years: $25,631,690.
- Average age of wastewater treatment plants is 33 years.
- Total number of interconnected systems is 2.
- 73 miles of sewer lines less than 15 years old.
- 67 miles of sewer lines between 15 and 30 years old.
- 47 miles of sewer lines between 31 and 50 years old.
- 504 miles of sewer lines between 51 and 70 years old.
- 251 miles of sewer lines greater than 70 years old.



Purchase Area Development District has a 2010 census population count of 196,393 (93,709 households) with a projected 2020 population count of 201,697 (86,121 households). Public sewer is currently available to approximately 49 percent of the district's households based on 2010 census counts. Over the next ten years approximately 38,497 serviceable households will be added through the construction of 121.00 miles of sewer line extensions and approximately 17,781 instances of improved service through the rehabilitation of 129.00 miles of existing sewer lines and other appurtenances. 33.00 miles of interceptor lines are also proposed within this district.

County Summary for Purchase Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Ballard	8,249	3,885	8,217	3,484	1,576	41%	$ 15,068,431
Calloway	37,191	18,065	40,411	17,019	9,212	51%	$ 5,105,000
Carlisle	5,104	2,441	4,947	2,093	604	25%	$ 9,787,095
Fulton	6,813	3,372	6,223	2,728	2,384	71%	$ 7,337,635
Graves	37,121	16,777	37,630	15,459	5,880	35%	$ 38,618,826
Hickman	4,902	2,342	4,625	1,938	666	28%	-
McCracken	65,565	31,079	66,621	29,278	21,648	70%	$ 56,463,000
Marshall	31,448	15,748	33,023	14,122	3,861	25%	$ 10,068,233
Totals	**196,393**	**93,709**	**201,697**	**86,121**	**45,831**	**49%**	**$ 142,448,220**

Kentucky Infrastructure Authority
February 15, 2018

EXISTING & PROPOSED SEWER LINES

PUADD

Prepared By:
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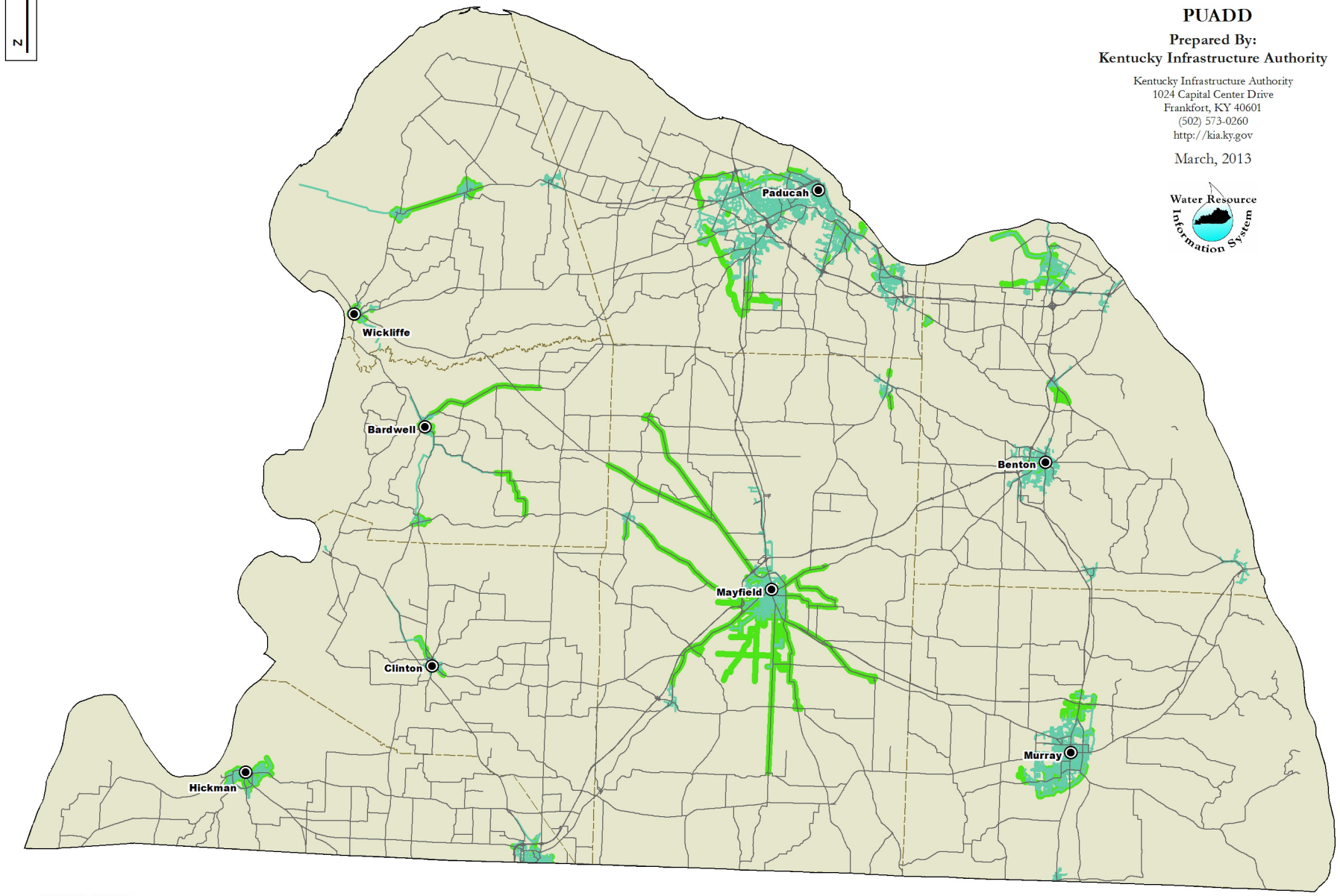
March, 2013



Public Sewer Systems in the Purchase Area Development District

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

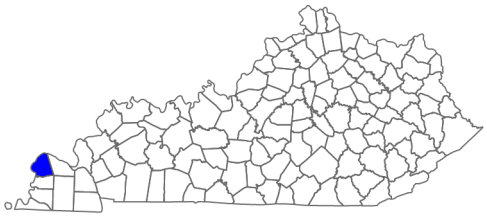
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025747	Barlow Sewer System	Ballard	703	370
KY0033791	Kevil Water & Sewer System	Ballard	709	347
KY0020893	LaCenter Water System	Ballard	1,063	500
KY0025933	Wickliffe Sewer System	Ballard	770	363
KY0072761	Murray Water & Wastewater System	Calloway	19,390	8,983
KY0028371	South 641 Water District	Calloway	417	225
KYP000065	Arlington Water and Sewer Department	Carlisle	359	183
KYP000066	Bardwell City Utilities	Carlisle	795	421
KY0026913	Fulton Municipal Water System	Fulton	2,448	1,330
KY0028436	Hickman Municipal Sewer System	Fulton	2,404	1,054
KY0053562	Graves County Water District (Fancy Farm)	Graves	565	257
KY0021211	Mayfield Electric & Water System	Graves	10,472	4,909
KY0055221	Mayfield Electric & Water Systems (Highland Club)	Graves	28	12
KY0053520	Mayfield Electric & Water Systems (Thomas Country)	Graves	321	130
KY0055271	Symsonia Water District	Graves	583	307
KY0025852	Wingo Water & Sewer System	Graves	595	265
KY0025275	Clinton Sewer	Hickman	1,364	665
KY0021172	Benton Water & Sewer System	Marshall	4,765	2,211
KY0021130	Calvert City Municipal Water & Sewer	Marshall	2,424	1,100
KY0021016	Hardin Sewer System	Marshall	641	297
KY0044164	Marshall County Environmental Services (Golden Acres)	Marshall	70	34
KY0024546	Marshall County Sanitation District #1	Marshall	97	71
KY0044181	Marshall County Sanitation District #2	Marshall	284	130
KY0080845	Marshall County Environmental Services (Great Oaks)	McCracken	521	178
KY0022799	Paducah McCracken County Joint Sewer Agency (Paducah)	McCracken	34,452	17,326
KY0025810	Paducah McCracken County Joint Sewer Agency (Reidland)	McCracken	4,635	2,049
KY0025828	Paducah McCracken County Joint Sewer Agency (Woodlawn)	McCracken	4,467	2,091
		Totals:	95,342	45,808

Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21007019	Wastewater Treatment Plant Upgrade and I/I Reduction	0-2 Years	Not Funded	$2,050,049	Ballard	1	1
SX21157037	TOWN CREEK INTERCEPTOR SEWER - PHASE 2	0-2 Years	Not Funded	$689,400	Marshall	2	1
SX21035010	Sewer Project #3 (MH 2-3 to 2-8, plus 2-7A to 2-167)	0-2 Years	Not Funded	$900,000	Calloway	3	2
SX21145017	Massac Creek Phase III	0-2 Years	Not Funded	$2,314,500	McCracken	4	1
SX21035025	Sewer Project #1 (MH 5-11 to 5-44)	0-2 Years	Not Funded	$550,000	Calloway	5	1
SX21083016	Mayfield-10th Street Lift Station and Sewer Line Rehab	3-5 Years	Not Funded	$515,000	Graves	6	1
SX21145027	Perkins/Crooked Creek Wet Weather Tank	3-5 Years	Not Funded	$5,193,000	McCracken	7	2
SX21083060	WNGO PUMP STATION AND FORCE MAIN REPLACEMENT	0-2 Years	Not Funded	$508,800	Graves	8	4
SX21083007	Graves County-KY 80 North, Fancy Farm	3-5 Years	Not Funded	$2,100,800	Graves	9	3
SX21083037	Parallel Force Main around I-69 the Intersection	3-5 Years	Not Funded	$1,194,820	Graves	10	2
SX21083048	Mayfield Electric & Water - 15th Street Lift Station Removal and Interceptor	0-2 Years	Not Funded	$462,000	Graves	11	7
SX21075010	WWTP Improvement Phase II	0-2 Years	Not Funded	$1,600,000	Fulton	12	1
SX21083015	Mayfield Electric & Water-Southern Mayfield/Graves County Wastewater Collection System Extension	3-5 Years	Not Funded	$1,593,000	Graves	13	9
SX21035004	City of Murray- Sewer Extension to North Elementary	3-5 Years	Not Funded	$350,000	Calloway	14	3
SX21083059	Cuba Road Gravity Sewer	0-2 Years	Not Funded	$520,400	Graves	15	8
SX21145024	Parallel 16 and 20 inch force mains serving renovated Harrison S	3-5 Years	Not Funded	$1,368,650	McCracken	16	3
SX21157038	LIFT STATION ELIMINATION	0-2 Years	Not Funded	$1,175,715	Marshall	17	2
SX21145025	Renovate Harrison Street CSO Pumping Station to 10.0 MGD	0-2 Years	Not Funded	$2,781,430	McCracken	18	4
SX21105005	City of Clinton- Hwy 58 Line Replacement	11-20 Years	Not Funded	$250,000	Hickman	19	1
SX21035013	Murray-Phase VI Rehab Project South of Murray	3-5 Years	Partially Funded	$270,000	Calloway	20	4
SX21105006	City of Clinton- Replace Force Main to Lagoon	11-20 Years	Not Funded	$600,000	Hickman	21	2
SX21083036	Mayfield Electric & Water- New Generator for WWTP	3-5 Years	Not Funded	$100,000	Graves	22	5
SX21083035	Mayfield Electric & Water- New Generator for Todd Lift Station	3-5 Years	Not Funded	$100,000	Graves	23	6
			Total Cost:	**$27,187,564**			

Ballard County

- 2010 census population of 8,249 (3,885 households) with 41% serviceable.
- Projected 2020 population of 8,217 (change of -32).
- Ballard County has 49.13 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 16.00 miles of line rehabilitation proposed in the next 10 years.
- 6.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $13,114,711.
- Estimated funding needs for projects from 6 to 10 years: $1,953,720.



Ballard County has a 2010 census population count of 8,249 (3,885 households) with a projected 2020 population count of 8,217 (3,484 households). Public sewer is currently available to approximately 41 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,933 instances of improved service through the rehabilitation of 16.00 miles of existing sewer lines and other appurtenances. 6.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Barlow	2	$1,375,000	-	604	-	5.00	-
City of Kevil	1	$525,000	-	-	-	-	-
City of La Center	3	$6,596,849	-	880	-	8.00	6.00
City of Wickliffe	5	$6,571,582	-	449	-	3.00	-
Totals:	**11**	**$15,068,431**	**-**	**1,933**	**-**	**16.00**	**6.00**

Public Wastewater Systems in Ballard County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025747	Barlow Sewer System	Ballard	703	370
KY0033791	Kevil Water & Sewer System	Ballard	700	343
KY0020893	LaCenter Water System	Ballard	1,063	500
KY0025933	Wickliffe Sewer System	Ballard	770	363
		Totals:	3,236	1,576

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
BALLARD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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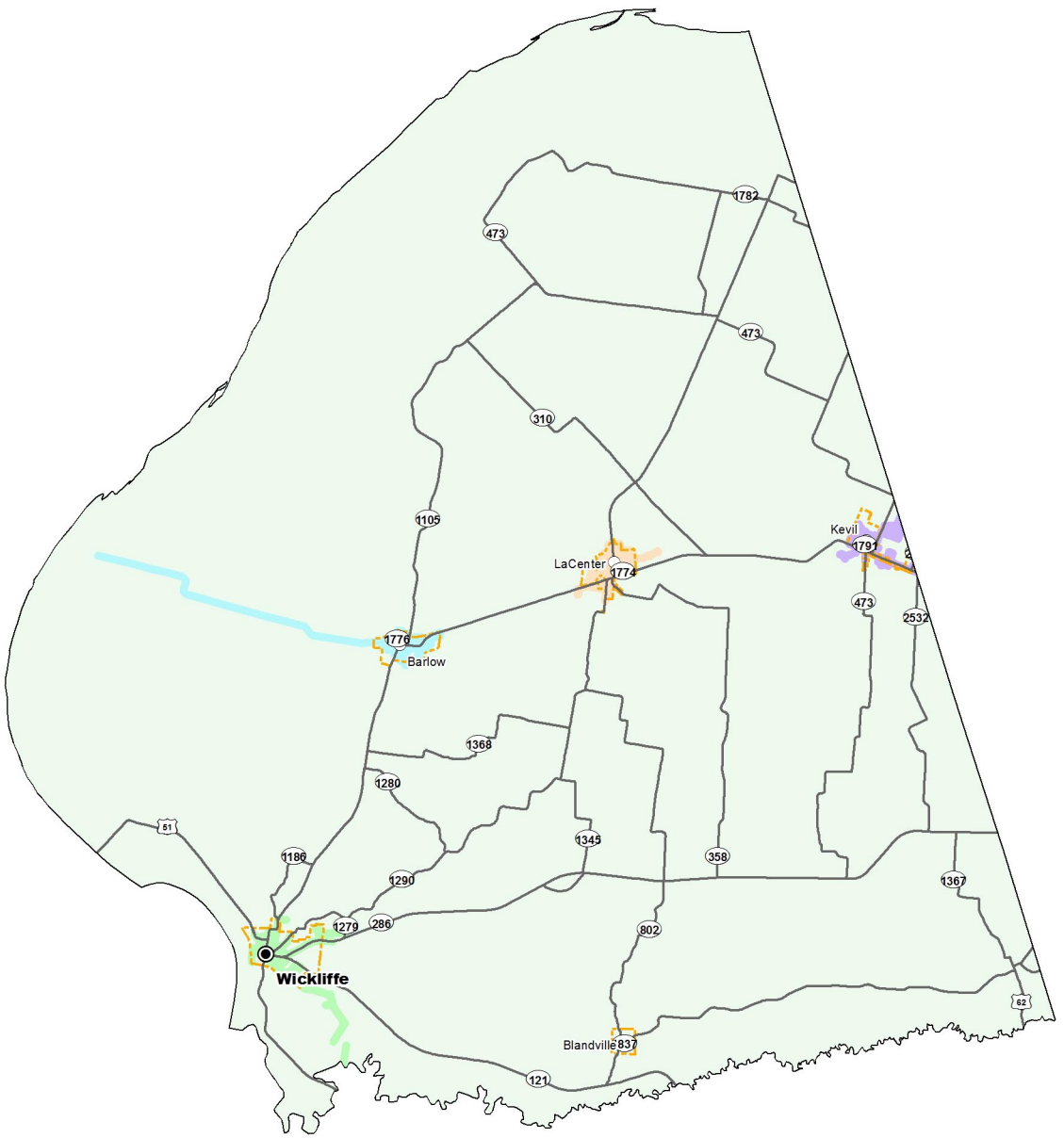


System Summary for Barlow Sewer System

Permit ID	KY0025747	Treats Wastewater	Yes, 0.15 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	343
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.38	Total KISOP Treated (MG)	-
Residential Customers	337	Total Treated (MG)	29.160
Commercial Customers	5	Number of Manholes	107
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 26% Constructed
Total Collection System Line Length = 15.45 miles (Collection: 8.03 miles, Interceptors: 7.42 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Barlow Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21007001	City of Barlow- Collection System Rehab	3-5 Years	Not Funded	$1,125,000	Ballard		
SX21007006	City of Barlow- Demolition of Old WWTP	3-5 Years	Not Funded	$250,000	Ballard		

System Summary for Kevil Water & Sewer System

Permit ID	KY0033791	Treats Wastewater	Yes, 0.05 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	315
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.35	Total KISOP Treated (MG)	-
Residential Customers	287	Total Treated (MG)	37.480
Commercial Customers	24	Number of Manholes	125
Institutional Customers	3	Number of Lift Stations	4
Industrial Customers	1	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 7.83 miles (Collection: 6.93 miles, Interceptors: 0.91 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21007005	City of Kevil-WWTP Expansion	3-5 Years	Not Funded	$525,000	Ballard		

System Summary for LaCenter Water System

Permit ID	KY0020893	Treats Wastewater	Yes, 0.16 MGD with 0.08 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	443
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.55	Total KISOP Treated (MG)	-
Residential Customers	377	Total Treated (MG)	47.450
Commercial Customers	66	Number of Manholes	128
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 11.82 miles (Collection: 9.58 miles, Interceptors: 2.24 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21007019	Wastewater Treatment Plant Upgrade and I/I Reduction	0-2 Years	Not Funded	$2,050,049	Ballard	1	1
SX21007016	LaCenter - Sanitary Sewer Improvements Phase III	3-5 Years	Not Funded	$4,000,000	Ballard		
SX21007007	City of LaCenter-I&I Reduction	3-5 Years	Not Funded	$2,107,875	Ballard		
SX21007014	LaCenter - WWTP Creek Flow Monitoring	3-5 Years	Not Funded	$546,800	Ballard		

System Summary for Wickliffe Sewer System

Permit ID	KY0025933	Treats Wastewater	Yes, 0.28 MGD with 0.07 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	377
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.00	Total KISOP Treated (MG)	-
Residential Customers	360	Total Treated (MG)	62.000
Commercial Customers	17	Number of Manholes	146
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 14.06 miles (Collection: 8.39 miles, Interceptors: 5.67 miles).			

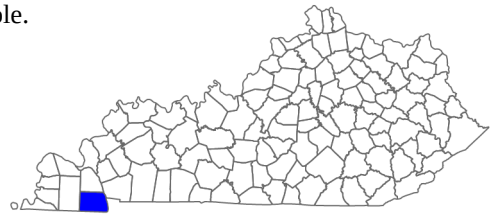
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wickliffe Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21007008	City of Wickliffe- Sewer Rehabilitation Phase II	3-5 Years	Not Funded	$2,127,942	Ballard		
SX21007009	City of Wickliffe- Sewer Rehabilitation Phase III	6-10 Years	Not Funded	$1,953,720	Ballard		
SX21007012	City of Wickliffe Sewer Rehabilitation Project Phase I	3-5 Years	Partially Funded	$1,589,920	Ballard		
SX21007018	Wickliffe Lift Station Upgrade	3-5 Years	Not Funded	$700,000	Ballard		
SX21007010	City of Wickliffe- Lagoon Levee Repair	3-5 Years	Not Funded	$200,000	Ballard		

Calloway County

- 2010 census population of 37,191 (18,065 households) with 51% serviceable.
- Projected 2020 population of 40,411 (change of 3,220).
- Calloway County has 148.30 miles of existing sewer lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 7.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,105,000.
- There are no projects planned from 6 to 10 years.



Calloway County has a 2010 census population count of 37,191 (18,065 households) with a projected 2020 population count of 40,411 (17,019 households). Public sewer is currently available to approximately 51 percent of the county's households based on 2010 census counts. Over the next ten years approximately 23 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 1,139 instances of improved service through the rehabilitation of 7.00 miles of existing sewer lines and other appurtenances. 4.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Murray	9	$5,105,000	23	1,139	3.00	7.00	4.00
Totals:	**9**	**$5,105,000**	**23**	**1,139**	**3.00**	**7.00**	**4.00**

Public Wastewater Systems in Calloway County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0072761	Murray Water & Wastewater System	Calloway	19,390	8,983
KY0028371	South 641 Water District	Calloway	417	225
		Totals:	19,807	9,208

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CALLOWAY COUNTY
Kentucky

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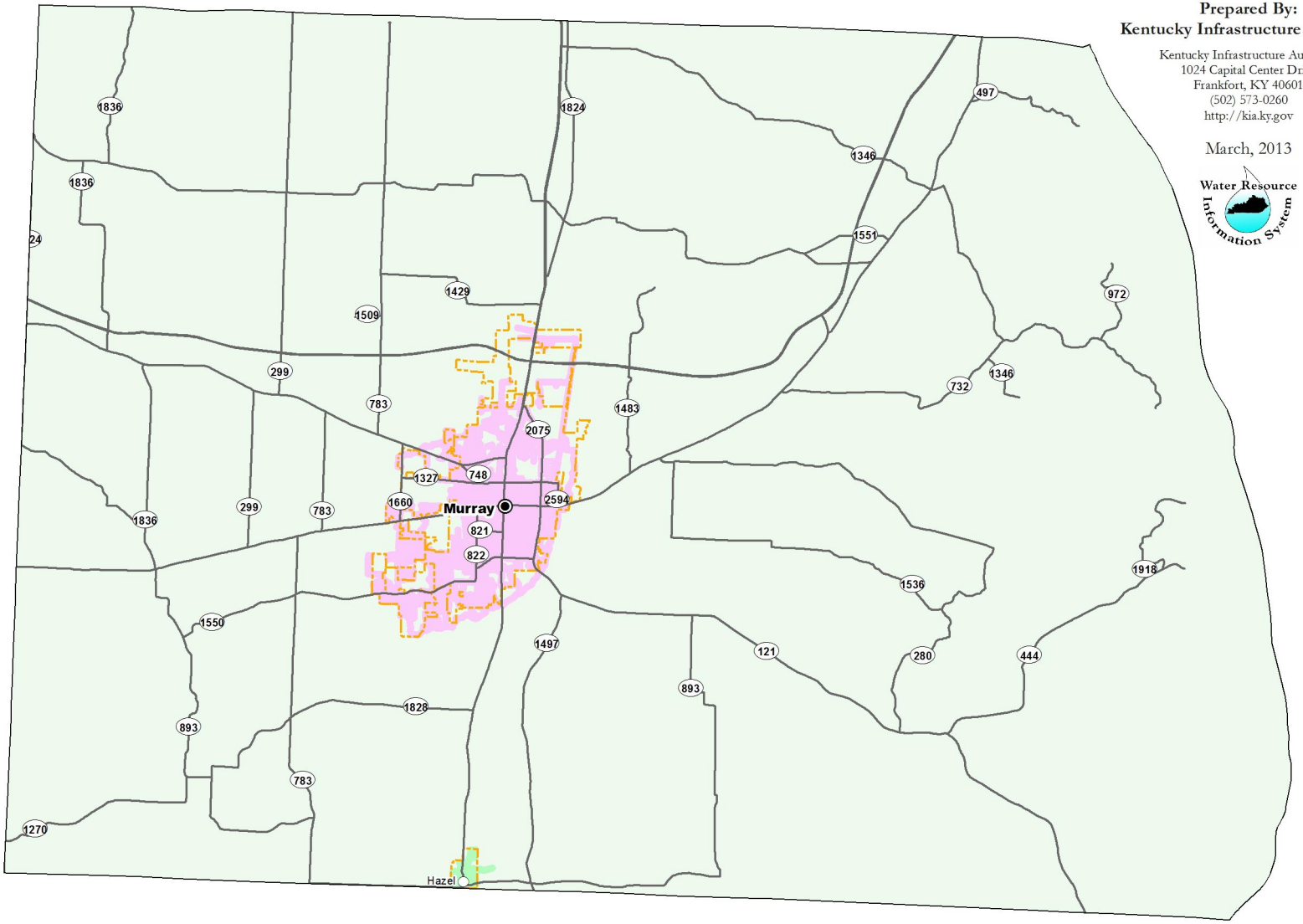


SEWER SERVICE BY OWNER

- MURRAY WATER & WASTEWATER SYSTEM
- SOUTH 641 WATER DISTRICT

System Summary for East Elementary School

Permit ID	KY0040738	Treats Wastewater	Yes, 0.008 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	School	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.09 miles (Collection: 0.09 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for East Elementary School

System Summary for Murray Mobile Home & RV Park

Permit ID	KY0086703	Treats Wastewater	Yes, 0.007 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.21 miles (Collection: 0.21 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Murray Mobile Home & RV Park

System Summary for Murray Water & Wastewater System

Permit ID	KY0072761	Treats Wastewater	Yes, 5.25 MGD with 3.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	8,450
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.20	Total KISOP Treated (MG)	-
Residential Customers	6,671	Total Treated (MG)	1,423.500
Commercial Customers	-	Number of Manholes	2652
Institutional Customers	1,770	Number of Lift Stations	7
Industrial Customers	9	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed

Total Collection System Line Length = 142.91 miles (Collection: 138.21 miles, Interceptors: 4.70 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Murray Water & Wastewater System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21035010	Sewer Project #3 (MH 2-3 to 2-8, plus 2-7A to 2-167)	0-2 Years	Not Funded	$900,000	Calloway	3	2
SX21035025	Sewer Project #1 (MH 5-11 to 5-44)	0-2 Years	Not Funded	$550,000	Calloway	5	1
SX21035004	City of Murray- Sewer Extension to North Elementary	3-5 Years	Not Funded	$350,000	Calloway	14	3
SX21035013	Murray-Phase VI Rehab Project South of Murray	3-5 Years	Partially Funded	$270,000	Calloway	20	4
SX21035016	Murray - Gatesborough Interceptor Sewer	3-5 Years	Not Funded	$1,500,000	Calloway		
SX21035005	City of Murray- North Murray Sewer Main Extension	3-5 Years	Not Funded	$600,000	Calloway		
SX21035018	Murray - Industrial Park Lift Station Upgrade	3-5 Years	Not Funded	$500,000	Calloway		
SX21035021	Murray - Clarks River Lift Station Upgrade	3-5 Years	Not Funded	$275,000	Calloway		
SX21035003	City of Murray- Melvin Henley Dr. Extension	3-5 Years	Not Funded	$160,000	Calloway		

System Summary for South 641 Water District

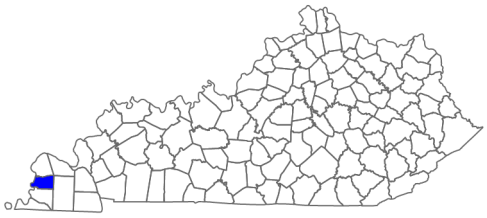
Permit ID	KY0028371	Treats Wastewater	Yes, 0.03 MGD with 0.02 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	208
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$15.41	Total KISOP Treated (MG)	-
Residential Customers	159	Total Treated (MG)	6.806
Commercial Customers	49	Number of Manholes	65
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 4.95 miles (Collection: 4.31 miles, Interceptors: 0.64 miles).			

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

There are no immediate projects for South 641 Water District

Carlisle County

- 2010 census population of 5,104 (2,441 households) with 25% serviceable.
- Projected 2020 population of 4,947 (change of -157).
- Carlisle County has 28.16 miles of existing sewer lines.
- 11.00 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 interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,823,065.
- Estimated funding needs for projects from 6 to 10 years: $2,964,030.



Carlisle County has a 2010 census population count of 5,104 (2,441 households) with a projected 2020 population count of 4,947 (2,093 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 440 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 181 instances of improved service through the rehabilitation of 4.00 miles of existing sewer 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Carlisle County Sanitation District #1	5	$8,904,435	440	-	11.00	-	-
City of Arlington	1	$582,660	-	146	-	3.00	-
City of Bardwell	1	$300,000	-	35	-	1.00	-
Totals:	**7**	**$9,787,095**	**440**	**181**	**11.00**	**4.00**	**-**

Public Wastewater Systems in Carlisle County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000065	Arlington Water and Sewer Department	Carlisle	359	183
KYP000066	Bardwell City Utilities	Carlisle	795	421
		Totals:	1,154	604

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
CARLISLE COUNTY
Kentucky

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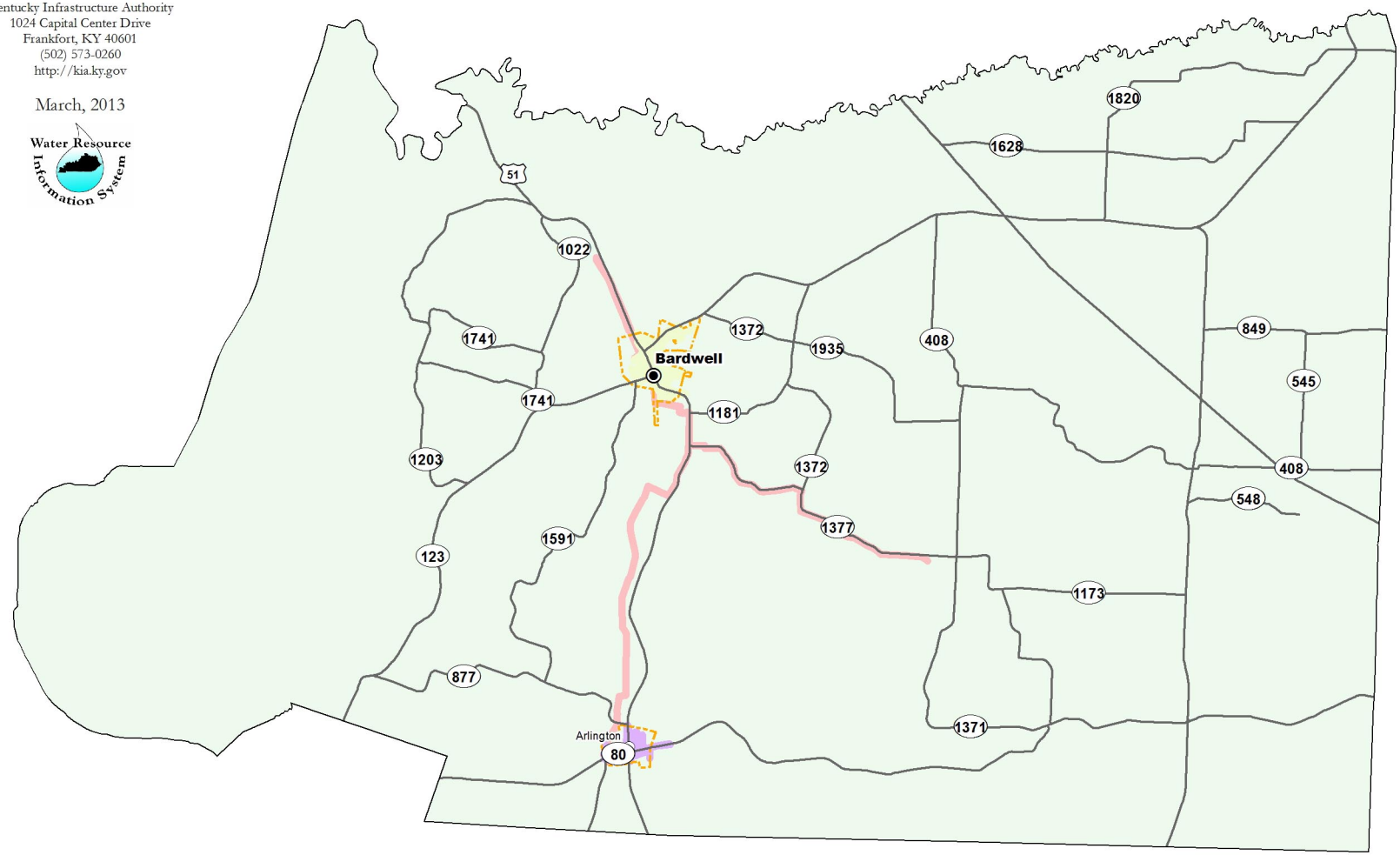


System Summary for Arlington Water and Sewer Department

Permit ID	KYP000065	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	191
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	17.915
Cost Per 4000 Gallons	$37.68	Total KISOP Treated (MG)	-
Residential Customers	172	Total Treated (MG)	-
Commercial Customers	19	Number of Manholes	65
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 3.79 miles (Collection: 3.79 miles, Interceptors: 0.00 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21039018	City of Arlington- Collection System Rehab Phase III	3-5 Years	Not Funded	$582,660	Carlisle		

System Summary for Bardwell City Utilities

Permit ID	KYP000066	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	410
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	7	Total KISOP Sent (MG)	46.746
Cost Per 4000 Gallons	$22.20	Total KISOP Treated (MG)	-
Residential Customers	342	Total Treated (MG)	44.900
Commercial Customers	68	Number of Manholes	182
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 9.43 miles (Collection: 8.89 miles, Interceptors: 0.53 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21039017	Bardwell City Utilities- Phase III I&I Reduction	3-5 Years	Not Funded	$300,000	Carlisle		

System Summary for Carlisle County Sanitation District #1

Permit ID	KY0102156	Treats Wastewater	Yes, 0.25 MGD with 0.26 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.92	Total KISOP Treated (MG)	64.661
Residential Customers	-	Total Treated (MG)	79.660
Commercial Customers	-	Number of Manholes	220
Institutional Customers	1	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	2	Has Facility Plan	Yes, 40% Constructed

Total Collection System Line Length = 14.92 miles (Collection: 0.00 miles, Interceptors: 14.92 miles).

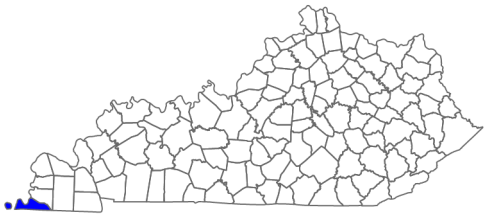
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21039004	Carlisle County Sanitation District #1 - Cunningham Force Main and WWTP Upgrades	3-5 Years	Not Funded	$5,500,000	Carlisle		
SX21039002	Carlisle SD #1-Phase III- Milburn Force Main/Collector System	6-10 Years	Not Funded	$2,964,030	Carlisle		
SX21039008	Carlisle SD #1 - Arlington Wastewater Equalization Improvements	3-5 Years	Not Funded	$290,000	Carlisle		
SX21039006	Carlisle S.D. #1-Pump Station Upgrade	3-5 Years	Not Funded	$100,405	Carlisle		
SX21039013	Carlisle SD #1 - Development of 201 Regional Facilities Planning	3-5 Years	Not Funded	$50,000	Carlisle		

Fulton County

- 2010 census population of 6,813 (3,372 households) with 71% serviceable.
- Projected 2020 population of 6,223 (change of -590).
- Fulton County has 61.67 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 22.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,337,635.
- There are no projects planned from 6 to 10 years.



Fulton County has a 2010 census population count of 6,813 (3,372 households) with a projected 2020 population count of 6,223 (2,728 households). Public sewer is currently available to approximately 71 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2,334 instances of improved service through the rehabilitation of 22.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Fulton	2	$1,023,635	-	1,349	-	1.00	-
City of Hickman	3	$6,314,000	-	985	-	21.00	2.00
Totals:	**5**	**$7,337,635**	**-**	**2,334**	**-**	**22.00**	**2.00**

Public Wastewater Systems in Fulton County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026913	Fulton Municipal Water System	Fulton	2,448	1,330
KY0028436	Hickman Municipal Sewer System	Fulton	2,404	1,054
		Totals:	4,852	2,384

Kentucky Infrastructure Authority
February 15, 2018

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FULTON COUNTY
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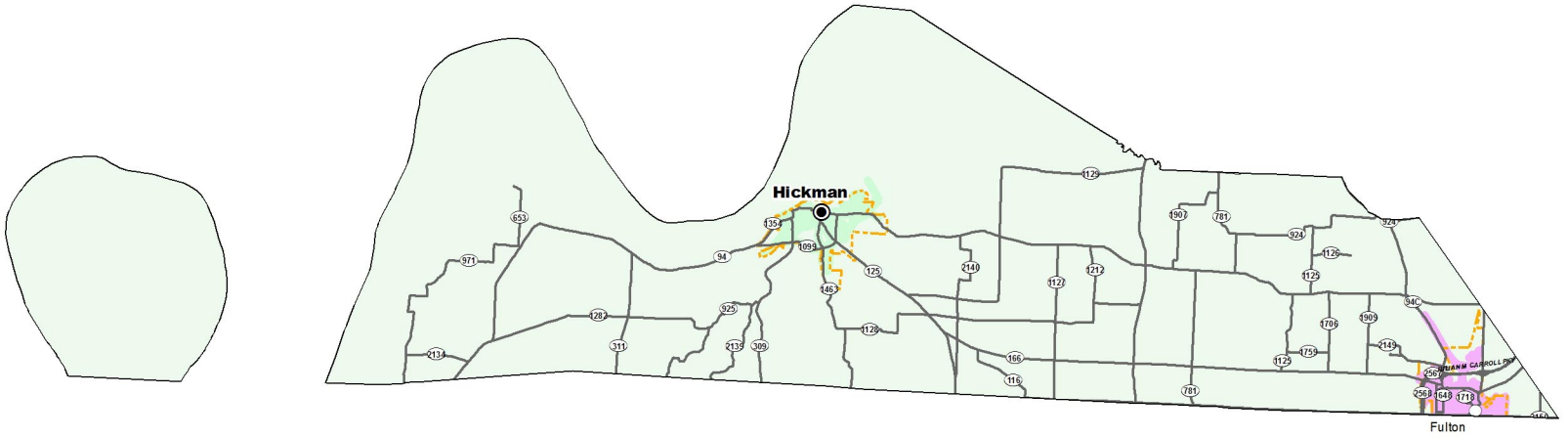

System Summary for Fulton Municipal Water System

Permit ID	KY0026913	Treats Wastewater	Yes, 2 MGD with 0.56 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,333
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.17	Total KISOP Treated (MG)	-
Residential Customers	1,199	Total Treated (MG)	173.640
Commercial Customers	130	Number of Manholes	422
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	4	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 36.85 miles (Collection: 34.20 miles, Interceptors: 2.65 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21075001	Fulton Mun Water System - Rehab Phase II	3-5 Years	Not Funded	$523,635	Fulton		
SX21075008	Fulton Municipal Sewer-Interceptor Project	3-5 Years	Not Funded	$500,000	Fulton		

System Summary for Hickman Municipal Sewer System

Permit ID	KY0028436	Treats Wastewater	Yes, 0.6 MGD with 0.55 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	951
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.40	Total KISOP Treated (MG)	-
Residential Customers	826	Total Treated (MG)	291.250
Commercial Customers	124	Number of Manholes	550
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	1	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 27.81 miles (Collection: 23.70 miles, Interceptors: 4.10 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hickman Municipal Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21075010	WWTP Improvement Phase II	0-2 Years	Not Funded	$1,600,000	Fulton	12	1
SX21075004	Hickman Mun Sewer System - Sewer Rehab	3-5 Years	Not Funded	$3,714,000	Fulton		
SX21075005	City of Hickman- CSO Removal Project	3-5 Years	Not Funded	$1,000,000	Fulton		

Graves County

- 2010 census population of 37,121 (16,777 households) with 35% serviceable.
- Projected 2020 population of 37,630 (change of 509).
- Graves County has 111.07 miles of existing sewer lines.
- 100.00 miles of line extensions proposed in the next 10 years.
- 55.00 miles of line rehabilitation proposed in the next 10 years.
- 11.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $24,742,886.
- Estimated funding needs for projects from 6 to 10 years: $13,875,940.

Graves County has a 2010 census population count of 37,121 (16,777 households) with a projected 2020 population count of 37,630 (15,459 households). Public sewer is currently available to approximately 35 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,319 serviceable households will be added through the construction of 100.00 miles of sewer line extensions and approximately 8,499 instances of improved service through the rehabilitation of 55.00 miles of existing sewer lines and other appurtenances. 11.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
Graves County Water District	6	$10,149,109	1,131	-	51.00	-	6.00
Mayfield Electric & Water Systems	34	$28,134,717	2,171	8,497	48.00	55.00	5.00
Symsonia Water District	2	$335,000	17	2	1.00	-	-
Totals:	**42**	**$38,618,826**	**3,319**	**8,499**	**100.00**	**55.00**	**11.00**

Public Wastewater Systems in Graves County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0053562	Graves County Water District (Fancy Farm)	Graves	565	257
KY0021211	Mayfield Electric & Water System	Graves	10,472	4,909
KY0055221	Mayfield Electric & Water Systems (Highland Club)	Graves	28	12
KY0053520	Mayfield Electric & Water Systems (Thomas Country)	Graves	321	130
KY0055271	Symsonia Water District	Graves	583	307
KY0025852	Wingo Water & Sewer System	Graves	595	265
		Totals:	12,564	5,880

Kentucky Infrastructure Authority
February 15, 2018

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GRAVES COUNTY
Kentucky

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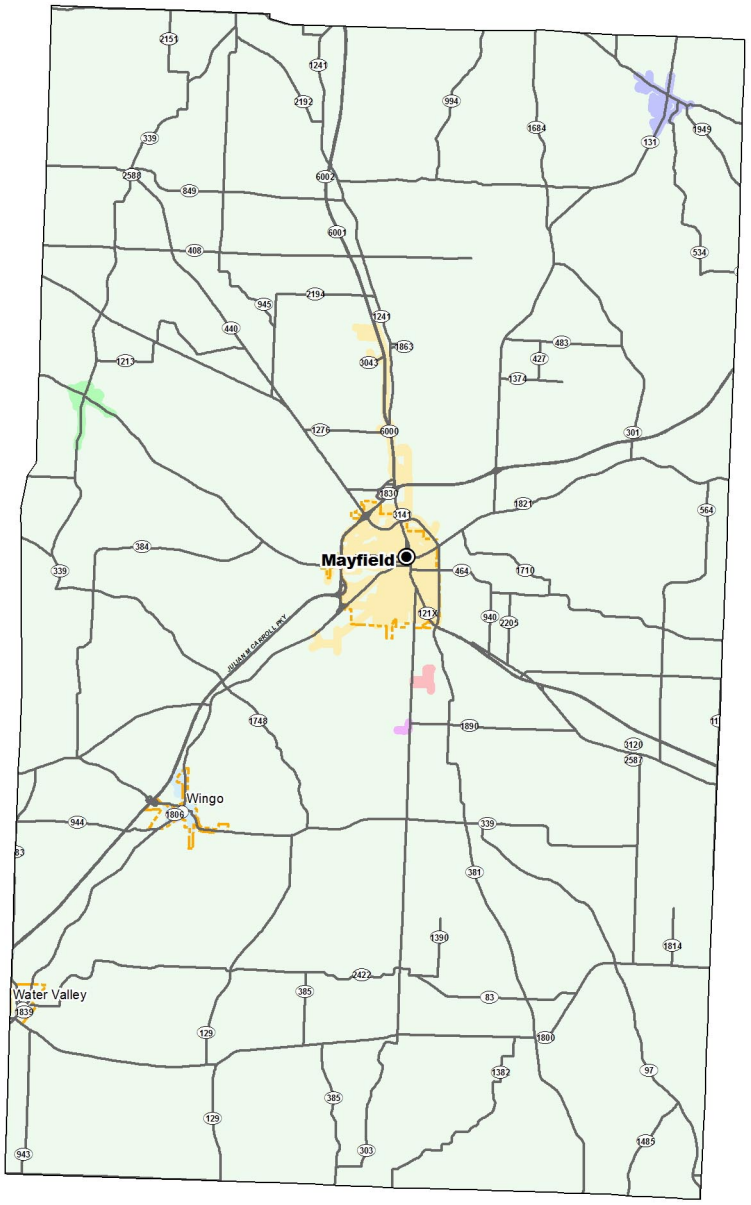

SEWER SERVICE BY OWNER

- GRAVES COUNTY WATER DISTRICT (FANCY FARM)
- MAYFIELD ELECTRIC & WATER SYSTEM
- MAYFIELD ELECTRIC & WATER SYSTEMS (HIGHLAND CLUB)
- MAYFIELD ELECTRIC & WATER SYSTEMS (THOMAS COUNTRY)
- SYMSONIA WATER DISTRICT
- WINGO WATER & SEWER SYSTEM

System Summary for Country Living Mobile Home Court

Permit ID	KY0024848	Treats Wastewater	Yes, 0.0125 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Country Living Mobile Home Court

System Summary for Graves County Water District (Fancy Farm)

Permit ID	KY0053562	Treats Wastewater	Yes, 0.14 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	196
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$15.36	Total KISOP Treated (MG)	-
Residential Customers	168	Total Treated (MG)	91.810
Commercial Customers	28	Number of Manholes	80
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	1	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 7.03 miles (Collection: 4.80 miles, Interceptors: 2.23 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21083007	Graves County-KY 80 North, Fancy Farm	3-5 Years	Not Funded	$2,100,800	Graves	9	3
SX21083008	Graves County Water District-KY 121 N and KY 440, Lowes	6-10 Years	Not Funded	$3,354,640	Graves		
SX21083002	Graves County Water District-Hardeman Community	6-10 Years	Not Funded	$1,620,000	Graves		
SX21083006	Mayfield/Graves County- Pryorsburg Sewer Project	6-10 Years	Not Funded	$1,388,100	Graves		
SX21083003	Graves County Water District-KY 121 Farmington	6-10 Years	Not Funded	$1,367,200	Graves		
SX21083013	Fancy Farm Water & Sewer-KY 339 South and Carrico Rd. Sanitary Sewer Extension	3-5 Years	Not Funded	$318,369	Graves		

System Summary for Lazy Acres Mobile Home Park

Permit ID	KY0077607	Treats Wastewater	Yes, 0.0038 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Lazy Acres Mobile Home Park

System Summary for Mayfield Electric & Water System

Permit ID	KY0021211	Treats Wastewater	Yes, 3.1 MGD with 1.75 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,753
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	40	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.87	Total KISOP Treated (MG)	-
Residential Customers	4,175	Total Treated (MG)	576.235
Commercial Customers	578	Number of Manholes	1100
Institutional Customers	-	Number of Lift Stations	17
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed

Total Collection System Line Length = 87.21 miles (Collection: 76.84 miles, Interceptors: 10.36 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Mayfield Electric & Water System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21083016	Mayfield-10th Street Lift Station and Sewer Line Rehab	3-5 Years	Not Funded	$515,000	Graves	6	1
SX21083060	WNGO PUMP STATION AND FORCE MAIN REPLACEMENT	0-2 Years	Not Funded	$508,800	Graves	8	4
SX21083037	Parallel Force Main around I-69 the Intersection	3-5 Years	Not Funded	$1,194,820	Graves	10	2
SX21083048	Mayfield Electric & Water - 15th Street Lift Station Removal and Interceptor	0-2 Years	Not Funded	$462,000	Graves	11	7
SX21083015	Mayfield Electric & Water-Southern Mayfield/Graves County Wastewater Collection System Extension	3-5 Years	Not Funded	$1,593,000	Graves	13	9
SX21083059	Cuba Road Gravity Sewer	0-2 Years	Not Funded	$520,400	Graves	15	8
SX21083036	Mayfield Electric & Water- New Generator for WWTP	3-5 Years	Not Funded	$100,000	Graves	22	5
SX21083035	Mayfield Electric & Water- New Generator for Todd Lift Station	3-5 Years	Not Funded	$100,000	Graves	23	6
SX21083004	Mayfield Electric & Water-KY 303, Cuba	3-5 Years	Not Funded	$5,873,200	Graves		
SX21083032	Mayfield Electric and Water - Collection System Rehab	3-5 Years	Not Funded	$4,000,000	Graves		
SX21083045	Mayfield Electric & Water- Mayfield WWTP Aerobic Digester	6-10 Years	Not Funded	$3,745,000	Graves		
SX21083039	Mayfield Electric & Water- Mayfield WWTP Influent Screw Pump Rehab	3-5 Years	Not Funded	$2,554,000	Graves		
SX21083054	Mayfield Electric & Water- Progress Rail Interceptor Rehab	3-5 Years	Not Funded	$1,117,000	Graves		
SX21083030	Mayfield Electric & Water - Rehab of 10th & Hale St	3-5 Years	Not Funded	$944,000	Graves		
SX21083046	Mayfield Electric & Water- Wngo Collection System Rehabilitation	6-10 Years	Not Funded	$669,000	Graves		
SX21083053	Mayfield Electric & Water- Cuba Road Sewer Rehabilitation	6-10 Years	Not Funded	$499,000	Graves		
SX21083033	Mayfield Electric & Water-US-45 / Old Pryorsburg Road Interceptor	3-5 Years	Not Funded	$430,000	Graves		
SX21083051	Mayfield Electric & Water- Saint Martins St to South 11th Street	6-10 Years	Not Funded	$363,000	Graves		

System Summary for Mayfield Electric & Water Systems (Highland Club)

Permit ID	KY0055221	Treats Wastewater	Yes, 0.015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	21
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$38.87	Total KISOP Treated (MG)	-
Residential Customers	21	Total Treated (MG)	1.675
Commercial Customers	-	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed

Total Collection System Line Length = 0.74 miles (Collection: 0.42 miles, Interceptors: 0.32 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Mayfield Electric & Water Systems (Highland Club)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21083060	WNGO PUMP STATION AND FORCE MAIN REPLACEMENT	0-2 Years	Not Funded	$508,800	Graves	8	4
SX21083015	Mayfield Electric & Water-Southern Mayfield/Graves County Wastewater Collection System Extension	3-5 Years	Not Funded	$1,593,000	Graves	13	9

System Summary for Mayfield Electric & Water Systems (Thomas Country)

Permit ID	KY0053520	Treats Wastewater	Yes, 0.04 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	119
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.84	Total KISOP Treated (MG)	-
Residential Customers	119	Total Treated (MG)	9.607
Commercial Customers	-	Number of Manholes	22
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed

Total Collection System Line Length = 1.81 miles (Collection: 1.81 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Mayfield Electric & Water Systems (Thomas Country)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21083015	Mayfield Electric & Water-Southern Mayfield/Graves County Wastewater Collection System Extension	3-5 Years	Not Funded	$1,593,000	Graves	13	9

System Summary for Symsonia Water District

Permit ID	KY0055271	Treats Wastewater	Yes, 0.1 MGD with 0.07 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	267
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.21	Total KISOP Treated (MG)	-
Residential Customers	252	Total Treated (MG)	39.600
Commercial Customers	15	Number of Manholes	31
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 8.26 miles (Collection: 7.19 miles, Interceptors: 1.07 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21083005	Symsonia Water District- KY131 Liftstation Relocation	6-10 Years	Not Funded	$200,000	Graves		
SX21083031	Symsonia-KY 534 Extension	3-5 Years	Not Funded	$135,000	Graves		

System Summary for Wingo Water & Sewer System

Permit ID	KY0025852	Treats Wastewater	Yes, 0.07 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	259
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.50	Total KISOP Treated (MG)	-
Residential Customers	238	Total Treated (MG)	24.000
Commercial Customers	21	Number of Manholes	95
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 5.97 miles (Collection: 5.88 miles, Interceptors: 0.10 miles).			

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

There are no immediate projects for Wingo Water & Sewer System

Hickman County

- 2010 census population of 4,902 (2,342 households) with 28% serviceable.
- Projected 2020 population of 4,625 (change of -277).
- Hickman County has 19.54 miles of existing sewer 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 interceptor 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.

Hickman County has a 2010 census population count of 4,902 (2,342 households) with a projected 2020 population count of 4,625 (1,938 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. There are no projects proposed for this county over the next 10 years.

Public Wastewater Systems in Hickman County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025275	Clinton Sewer	Hickman	1,364	665
		Totals:	1,364	665

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
HICKMAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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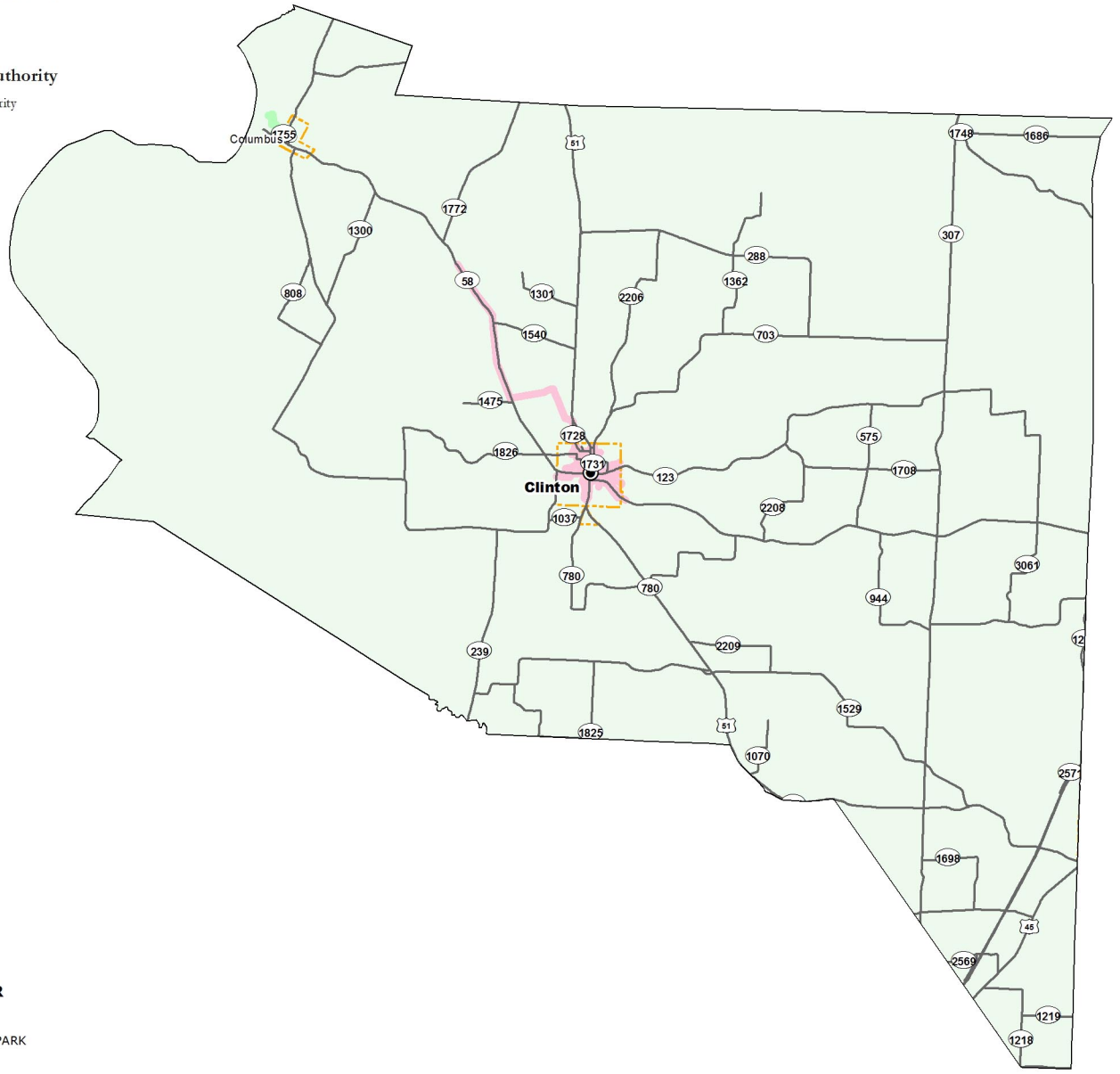
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- CLINTON SEWER
- COLUMBUS-BELMONT STATE PARK

System Summary for Clinton Sewer

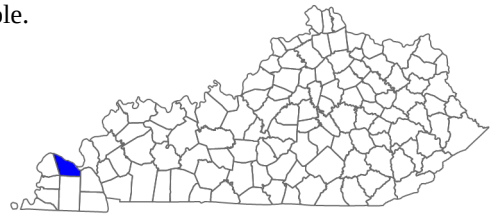
Permit ID	KY0025275	Treats Wastewater	Yes, 0.35 MGD with 0.73 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	663
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.80	Total KISOP Treated (MG)	-
Residential Customers	557	Total Treated (MG)	47.000
Commercial Customers	88	Number of Manholes	198
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 15.81 miles (Collection: 10.66 miles, Interceptors: 5.15 miles).			

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

There are no immediate projects for Clinton Sewer

McCracken County

- 2010 census population of 65,565 (31,079 households) with 70% serviceable.
- Projected 2020 population of 66,621 (change of 1,056).
- McCracken County has 397.14 miles of existing sewer lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 8.00 miles of line rehabilitation proposed in the next 10 years.
- 9.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $50,375,000.
- Estimated funding needs for projects from 6 to 10 years: $6,088,000.



McCracken County has a 2010 census population count of 65,565 (31,079 households) with a projected 2020 population count of 66,621 (29,278 households). Public sewer is currently available to approximately 70 percent of the county's households based on 2010 census counts. Over the next ten years approximately 34,624 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 2,716 instances of improved service through the rehabilitation of 8.00 miles of existing sewer lines and other appurtenances. 9.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Paducah	3	$6,487,761	-	200	-	-	-
Paducah McCracken County Joint Sewer Agency	32	$47,275,239	34,614	2,516	2.00	8.00	5.00
Purchase Public Service Corporation	2	$2,700,000	10	-	-	-	4.00
Totals:	**37**	**$56,463,000**	**34,624**	**2,716**	**2.00**	**8.00**	**9.00**

Public Wastewater Systems in McCracken County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0080845	Marshall County Environmental Services (Great Oaks)	McCracken	521	178
KY0022799	Paducah McCracken County Joint Sewer Agency (Paducah)	McCracken	34,452	17,326
KY0025810	Paducah McCracken County Joint Sewer Agency (Reidland)	McCracken	4,635	2,049
KY0025828	Paducah McCracken County Joint Sewer Agency (Woodlawn)	McCracken	4,467	2,091
		Totals:	44,075	21,644

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MCCRACKEN COUNTY
Kentucky

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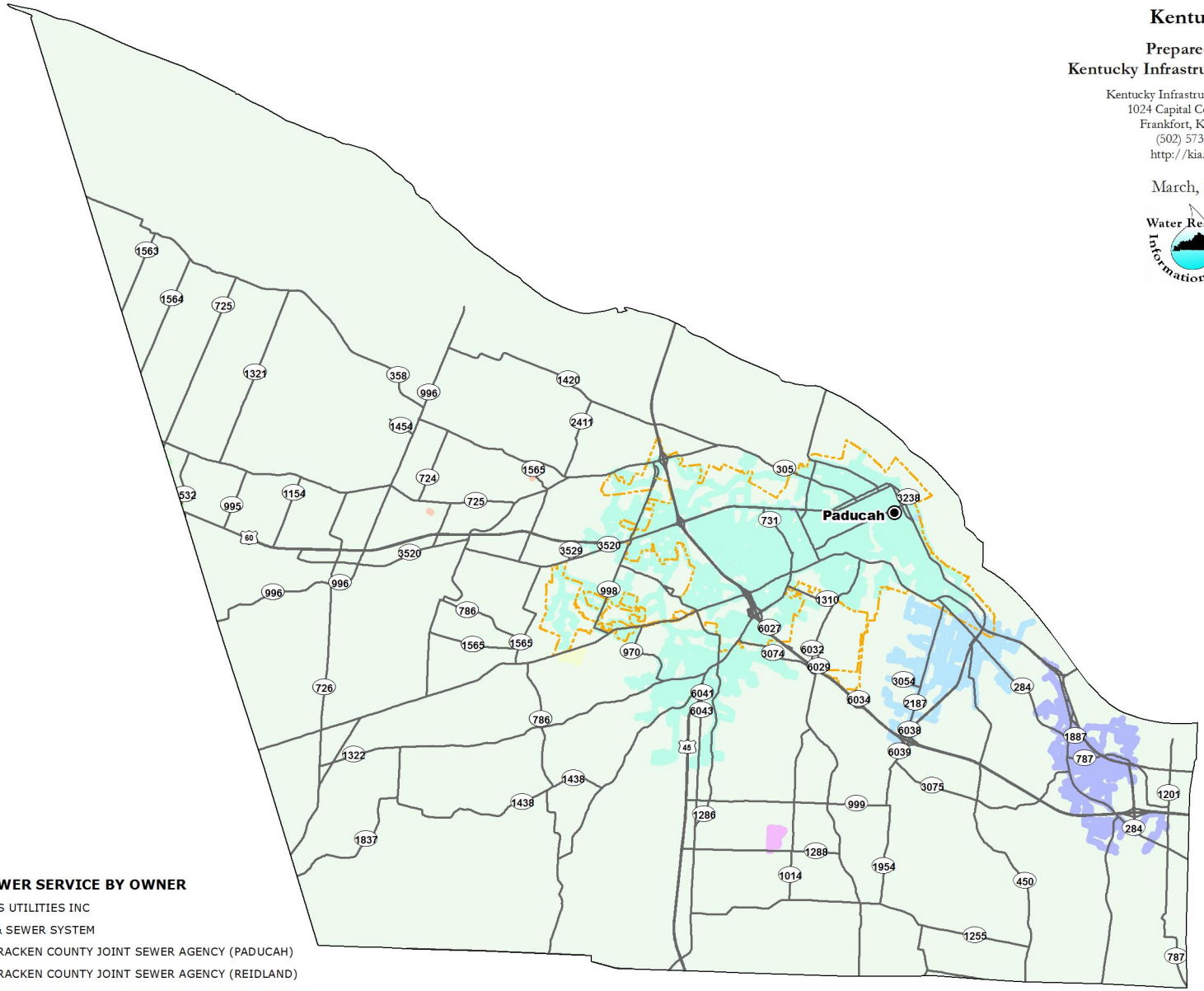


SEWER SERVICE BY OWNER

- JOANN ESTATES UTILITIES INC
- KEVIL WATER & SEWER SYSTEM
- PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (PADUCAH)
- PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (REIDLAND)
- PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (WOODLAWN)
- PURCHASE PUBLIC SERVICE CORPORATION (BLANDVILLE)
- PURCHASE PUBLIC SERVICE CORPORATION (GREAT OAKS)

System Summary for Joann Estates Utilities Inc

Permit ID	KY0045250	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.71	Total KISOP Treated (MG)	-
Residential Customers	205	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).

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

Project Summary (Top 18 Approved, 0-5 years) for Joann Estates Utilities Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21035006	Waid Package Plant Removal Project	0-2 Years	Not Funded	$625,000	McCracken		

System Summary for Joann Estates Utilities Inc

Permit ID	KY0083755	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.71	Total KISOP Treated (MG)	-
Residential Customers	70	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	30
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.05 miles (Collection: 0.00 miles, Interceptors: 0.05 miles).			

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

There are no immediate projects for Joann Estates Utilities Inc

System Summary for Magruder Village Water Corp

Permit ID	KY0083577	Treats Wastewater	Yes, 0.0075 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Magruder Village Water Corp

System Summary for Marshall County Environmental Services (Great Oaks)

Permit ID	KY0080845	Treats Wastewater	Yes, 0.07 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	157
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.84	Total KISOP Treated (MG)	-
Residential Customers	161	Total Treated (MG)	14.510
Commercial Customers	-	Number of Manholes	19
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.44 miles (Collection: 2.44 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Marshall County Environmental Services (Great Oaks)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21145080	PPSC-Great Oaks-JSA Interconnect	3-5 Years	Not Funded	$2,500,000	McCracken		
SX21145175	Great Oaks Subdivision Treatment Plant Rehab	3-5 Years	Not Funded	$200,000	McCracken		

System Summary for Paducah McCracken County Joint Sewer Agency (Paducah)

Permit ID	KY0022799	Treats Wastewater	Yes, 9 MGD with 6.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	14,243
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	28	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.32	Total KISOP Treated (MG)	-
Residential Customers	14,242	Total Treated (MG)	3,470.000
Commercial Customers	-	Number of Manholes	4000
Institutional Customers	-	Number of Lift Stations	46
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 308.83 miles (Collection: 273.06 miles, Interceptors: 35.77 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Paducah McCracken County Joint Sewer Agency (Paducah)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21145017	Massac Creek Phase III	0-2 Years	Not Funded	$2,314,500	McCracken	4	1
SX21145027	Perkins/Crooked Creek Wet Weather Tank	3-5 Years	Not Funded	$5,193,000	McCracken	7	2
SX21145024	Parallel 16 and 20 inch force mains serving renovated Harrison S	3-5 Years	Not Funded	$1,368,650	McCracken	16	3
SX21145012	Paducah Pump Station #2 (6th Street) Rehabilitation	0-2 Years	Partially Funded	$5,105,000	McCracken		
SX21145169	Paducah-Mccracken JSA-Paducah Collection System Improvements	0-2 Years	Partially Funded	$4,214,000	McCracken		
SX21145037	Paducah-Mccracken JSA-Terrell St. Phase I CSO Abatement Project	3-5 Years	Not Funded	$3,705,000	McCracken		
SX21145171	Paducah-Mccracken JSA-Woodlawn Collection System Improvements	0-2 Years	Partially Funded	$3,590,000	McCracken		
SX21145056	Paducah-Mccracken JSA-Cross Creek N. Ph. I CSO Abatement Project-North of R.R.	3-5 Years	Not Funded	$2,850,000	McCracken		
SX21145055	Paducah-Mccracken JSA-Cross Creek E. Ph. I CSO Abatement-East of Railroad	3-5 Years	Not Funded	$2,750,000	McCracken		
SX21145153	Paducah-Mccracken JSA-CSO 012 Discharge Abatement	3-5 Years	Partially Funded	$2,451,500	McCracken		
SX21145150	Paducah-Mccracken JSA-CSO Plan Ph. II	6-10 Years	Not Funded	$1,524,000	McCracken		
SX21145151	Paducah-Mccracken JSA-CSO Plan Ph. III	6-10 Years	Not Funded	$1,524,000	McCracken		
SX21145098	Paducah-Mccracken JSA-Cross Creek N. Ph. II CSO Abatement Project	6-10 Years	Not Funded	$1,190,000	McCracken		
SX21145011	Paducah-Mccracken JSA- Husbands St. L.S. Phase I CSO Abatement Project	3-5 Years	Not Funded	$1,100,000	McCracken		
SX21145065	Paducah-Mccracken JSA-Husbands St. L.S. Ph. II CSO Abatement Project	3-5 Years	Not Funded	$1,060,000	McCracken		
SX21145097	Paducah-Mccracken JSA-Cross Creek E. Ph. II CSO Abatement Project	6-10 Years	Not Funded	$955,000	McCracken		
SX21145005	Paducah JSA- Bridge Street CSO Separation	3-5 Years	Not Funded	$802,500	McCracken		
SX21035006	Waid Package Plant Removal Project	0-2 Years	Not Funded	$625,000	McCracken		

System Summary for Paducah McCracken County Joint Sewer Agency (Reidland)

Permit ID	KY0025810	Treats Wastewater	Yes, 1 MGD with 0.4 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,785
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	28	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$17.72	Total KISOP Treated (MG)	-
Residential Customers	1,785	Total Treated (MG)	183.000
Commercial Customers	-	Number of Manholes	650
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 39.02 miles (Collection: 34.07 miles, Interceptors: 4.95 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Paducah McCracken County Joint Sewer Agency (Reidland)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21145001	Paducah JSA- Reidland Collection System Inline Storage	0-2 Years	Partially Funded	$575,000	McCracken		

System Summary for Paducah McCracken County Joint Sewer Agency (Woodlawn)

Permit ID	KY0025828	Treats Wastewater	Yes, 0.91 MGD with 0.75 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,070
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	28	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$17.72	Total KISOP Treated (MG)	-
Residential Customers	2,070	Total Treated (MG)	495.000
Commercial Customers	-	Number of Manholes	620
Institutional Customers	-	Number of Lift Stations	15
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 46.62 miles (Collection: 30.82 miles, Interceptors: 15.80 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Paducah McCracken County Joint Sewer Agency (Woodlawn)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21145044	Paducah-Mccracken JSA-Woodlawn WWTP Phase I	3-5 Years	Not Funded	$1,250,000	McCracken		
SX21145052	Paducah-Mccracken JSA-Champion Creek L.S. Project	3-5 Years	Not Funded	$1,244,559	McCracken		
SX21145002	Paducah JSA- Woodlawn Collection System Inline Storage	3-5 Years	Partially Funded	$575,000	McCracken		
SX21145008	Paducah-McCracken JSA- Cook Street Overflow Tank	0-2 Years	Not Funded	$500,000	McCracken		

System Summary for Shady Acres & Mac & Mac MHP

Permit ID	KY0024830	Treats Wastewater	Yes, 0.017 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.02 miles (Collection: 0.02 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Shady Acres & Mac & Mac MHP

System Summary for Wilmington Chiles Estate Subdivision

Permit ID	KY0078336	Treats Wastewater	Yes, 0.0399 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$34.71	Total KISOP Treated (MG)	-
Residential Customers	63	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	30
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No

Total Collection System Line Length = 0.07 miles (Collection: 0.00 miles, Interceptors: 0.07 miles).

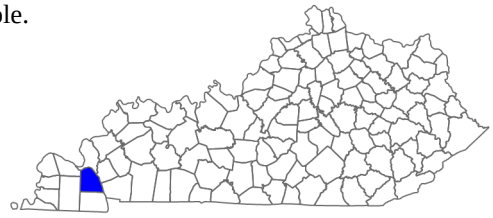
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Wilmington Chiles Estate Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21035006	Waid Package Plant Removal Project	0-2 Years	Not Funded	$625,000	McCracken		

Marshall County

- 2010 census population of 31,448 (15,748 households) with 25% serviceable.
- Projected 2020 population of 33,023 (change of 1,575).
- Marshall County has 127.16 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,318,233.
- Estimated funding needs for projects from 6 to 10 years: $750,000.



Marshall County has a 2010 census population count of 31,448 (15,748 households) with a projected 2020 population count of 33,023 (14,122 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 91 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 979 instances of improved service through the rehabilitation of 17.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor 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)	Interceptor Lines (miles)
			Unserved	Underserved			
City of Benton	3	$2,150,415	-	285	1.00	4.00	-
City of Calvert City	12	$4,962,875	91	476	4.00	7.00	-
City of Hardin	1	$1,001,000	-	-	-	-	-
Marshall County Sanitation District #1	1	$550,000	-	38	-	-	-
Marshall County Sanitation District #2	1	$997,643	-	150	-	5.00	1.00
Purchase Public Service Corporation	1	$406,300	-	30	-	1.00	-
Totals:	**19**	**$10,068,233**	**91**	**979**	**5.00**	**17.00**	**1.00**

Public Wastewater Systems in Marshall County

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021172	Benton Water & Sewer System	Marshall	4,765	2,211
KY0021130	Calvert City Municipal Water & Sewer	Marshall	2,424	1,100
KY0021016	Hardin Sewer System	Marshall	641	297
KY0044164	Marshall County Environmental Services (Golden Acres)	Marshall	70	34
KY0024546	Marshall County Sanitation District #1	Marshall	97	71
KY0044181	Marshall County Sanitation District #2	Marshall	284	130
		Totals:	8,281	3,843

Kentucky Infrastructure Authority
February 15, 2018

SEWER SERVICE AREAS
MARSHALL COUNTY
Kentucky

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Kentucky Infrastructure Authority

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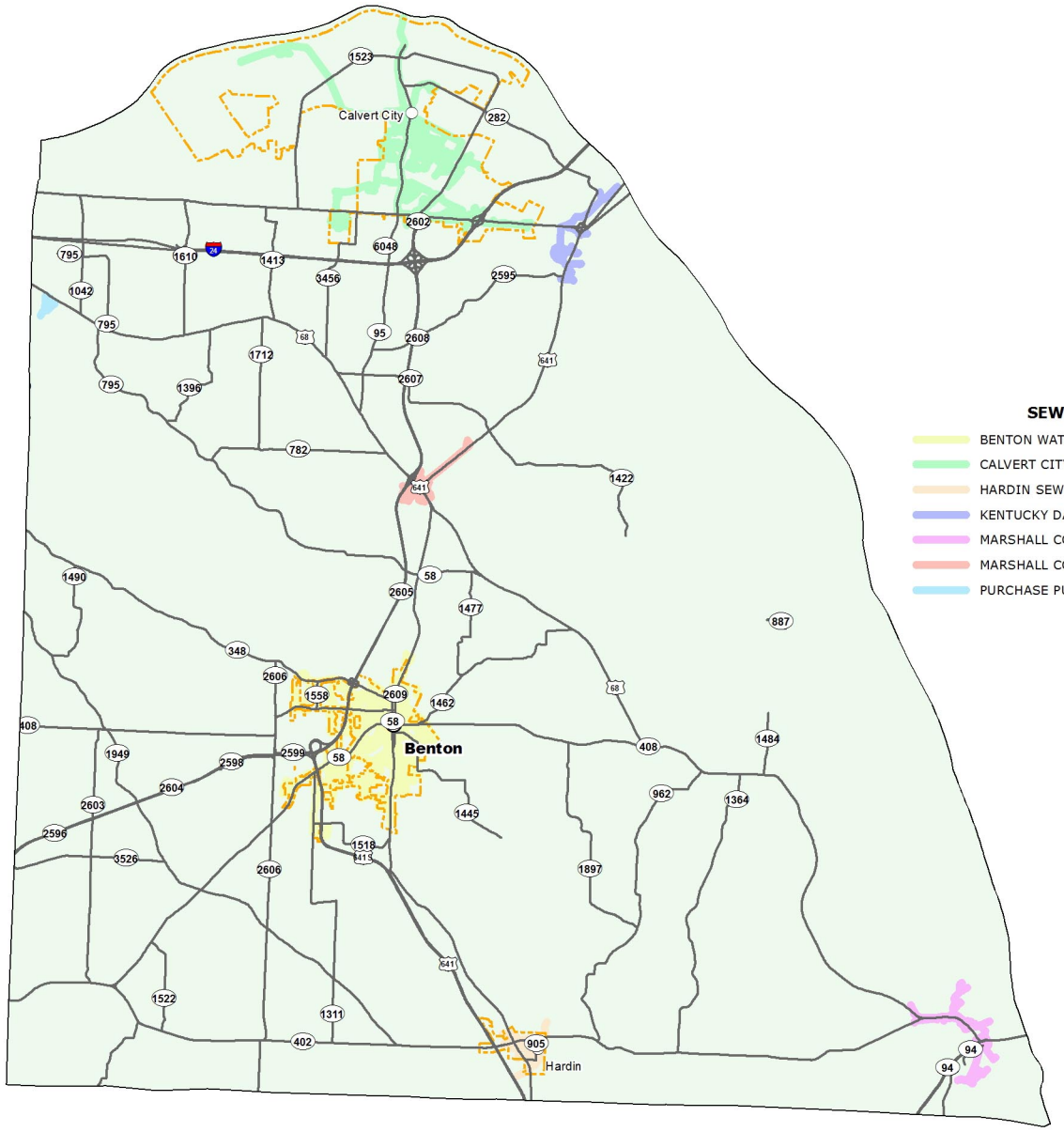
March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BENTON WATER & SEWER SYSTEM
- CALVERT CITY MUNICIPAL WATER & SEWER
- HARDIN SEWER SYSTEM
- KENTUCKY DAM VILLAGE STATE RESORT PARK
- MARSHALL COUNTY SANITATION DISTRICT #1
- MARSHALL COUNTY SANITATION DISTRICT #2
- PURCHASE PUBLIC SERVICE CORPORATION (GOLDEN ACRES)

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System Summary for Benton Water & Sewer System

Permit ID	KY0021172	Treats Wastewater	Yes, 1 MGD with 0.34 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,077
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.50	Total KISOP Treated (MG)	-
Residential Customers	1,780	Total Treated (MG)	379.500
Commercial Customers	290	Number of Manholes	887
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 59.11 miles (Collection: 53.56 miles, Interceptors: 5.55 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157037	TOWN CREEK INTERCEPTOR SEWER - PHASE 2	0-2 Years	Not Funded	$689,400	Marshall	2	1
SX21157038	LIFT STATION ELIMINATION	0-2 Years	Not Funded	$1,175,715	Marshall	17	2
SX21157019	City of Benton- Collection System Rehab Phase II	0-2 Years	Not Funded	$285,300	Marshall		

System Summary for Calvert City Municipal Water & Sewer

Permit ID	KY0021130	Treats Wastewater	Yes, 0.39 MGD with 0.21 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,032
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.56	Total KISOP Treated (MG)	-
Residential Customers	882	Total Treated (MG)	130.000
Commercial Customers	133	Number of Manholes	300
Institutional Customers	2	Number of Lift Stations	22
Industrial Customers	2	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 4% Constructed
Total Collection System Line Length = 43.59 miles (Collection: 26.20 miles, Interceptors: 17.39 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Calvert City Municipal Water & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157017	Calvert City Wastewater Plant Upgrade	3-5 Years	Not Funded	$2,000,000	Marshall		
SX21157025	City of Calvert City-Phase III Sewer Rehab	6-10 Years	Not Funded	$750,000	Marshall		
SX21157036	City of Calvert City-Phase IV Sewer Rehab	3-5 Years	Not Funded	$450,000	Marshall		
SX21157004	City of Calvert City-Phase IV-Colorado Street Sewer	3-5 Years	Not Funded	$359,000	Marshall		
SX21157000	City of Calvert City-A Avenue, B Avenue, and Beech Street Sewer Extension	3-5 Years	Not Funded	$247,375	Marshall		
SX21157006	City of Calvert City-Sewers On KY-95 and KY-282	3-5 Years	Not Funded	$200,000	Marshall		
SX21157028	City of Calvert City-Phase II Ext. With Low Pressure Grinder Pump	3-5 Years	Not Funded	$200,000	Marshall		
SX21157001	City of Calvert City-Phase II Colorado Street Sewers	3-5 Years	Not Funded	$195,000	Marshall		
SX21157007	City of Calvert City-Horace Barnes Road Sewers	3-5 Years	Not Funded	$180,000	Marshall		
SX21157003	City of Calvert City-Phase III-Colorado Street Sewers	3-5 Years	Not Funded	$154,000	Marshall		
SX21157021	City of Calvert City-Riley Circle Road Sewer Extension	3-5 Years	Not Funded	$127,500	Marshall		
SX21157027	City of Calvert City-Phase I Ext. With Low Pressure Grinder Pump	3-5 Years	Not Funded	$100,000	Marshall		

System Summary for Hardin Sewer System

Permit ID	KY0021016	Treats Wastewater	Yes, 0.14 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	233
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$15.36	Total KISOP Treated (MG)	-
Residential Customers	226	Total Treated (MG)	40.515
Commercial Customers	7	Number of Manholes	30
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 4.49 miles (Collection: 4.49 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Hardin Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157034	Hardin - Wastewater Rehabilitation Phase II	3-5 Years	Not Funded	$1,001,000	Marshall		

System Summary for Marshall County Environmental Services (Golden Acres)

Permit ID	KY0044164	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	68
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.57	Total KISOP Treated (MG)	-
Residential Customers	38	Total Treated (MG)	3.250
Commercial Customers	-	Number of Manholes	17
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.89 miles (Collection: 0.85 miles, Interceptors: 0.04 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Marshall County Environmental Services (Golden Acres)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157005	Purchase Public Service Corp (Golden Acres)-Collection System Rehab and WWTP Rehab	3-5 Years	Not Funded	$406,300	Marshall		

System Summary for Marshall County Sanitation District #1

Permit ID	KY0024546	Treats Wastewater	Yes, 0.16 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	38
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.50	Total KISOP Treated (MG)	-
Residential Customers	12	Total Treated (MG)	5.619
Commercial Customers	26	Number of Manholes	40
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 8.15 miles (Collection: 4.92 miles, Interceptors: 3.23 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157030	Marshall SD 1-Liftstation Repair/Replacement & WWTP Upgrades	0-2 Years	Partially Funded	$550,000	Marshall		

System Summary for Marshall County Sanitation District #2

Permit ID	KY0044181	Treats Wastewater	Yes, 0.15 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	129
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$60.00	Total KISOP Treated (MG)	-
Residential Customers	77	Total Treated (MG)	21.930
Commercial Customers	51	Number of Manholes	51
Institutional Customers	1	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 5.49 miles (Collection: 4.86 miles, Interceptors: 0.64 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Marshall County Sanitation District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157026	MARSHALL COUNTY FISCAL COURT PHASE I SANITARY SEWER EVALUATION	0-2 Years	Not Funded	$997,643	Marshall		

System Summary for Memory Lane Trailer Court

Permit ID	KY0028991	Treats Wastewater	Yes, 0.002 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Memory Lane Trailer Court

Appendix A - Counties by Area Development District

County	ADD
Adair	LCADD
Allen	BRADD
Anderson	BGADD
Ballard	PUADD
Barren	BRADD
Bath	GWADD
Bell	CVADD
Boone	NKADD
Bourbon	BGADD
Boyd	FIVCO
Boyle	BGADD
Bracken	BTADD
Breathitt	KRADD
Breckinridge	LTADD
Bullitt	KIPDA
Butler	BRADD
Caldwell	PEADD
Calloway	PUADD
Campbell	NKADD
Carlisle	PUADD
Carroll	NKADD
Carter	FIVCO
Casey	LCADD
Christian	PEADD
Clark	BGADD
Clay	CVADD
Clinton	LCADD
Crittenden	PEADD
Cumberland	LCADD
Daviess	GRADD
Edmonson	BRADD
Elliott	FIVCO
Estill	BGADD
Fayette	BGADD
Fleming	BTADD
Floyd	BSADD
Franklin	BGADD
Fulton	PUADD
Gallatin	NKADD
Garrard	BGADD

County	ADD
Grant	NKADD
Graves	PUADD
Grayson	LTADD
Green	LCADD
Greenup	FIVCO
Hancock	GRADD
Hardin	LTADD
Harlan	CVADD
Harrison	BGADD
Hart	BRADD
Henderson	GRADD
Henry	KIPDA
Hickman	PUADD
Hopkins	PEADD
Jackson	CVADD
Jefferson	KIPDA
Jessamine	BGADD
Johnson	BSADD
Kenton	NKADD
Knott	KRADD
Knox	CVADD
Larue	LTADD
Laurel	CVADD
Lawrence	FIVCO
Lee	KRADD
Leslie	KRADD
Letcher	KRADD
Lewis	BTADD
Lincoln	BGADD
Livingston	PEADD
Logan	BRADD
Lyon	PEADD
McCracken	PUADD
McCreary	LCADD
McLean	GRADD
Madison	BGADD
Magoffin	BSADD
Marion	LTADD
Marshall	PUADD
Martin	BSADD

County	ADD
Mason	BTADD
Meade	LTADD
Menifee	GWADD
Mercer	BGADD
Metcalfe	BRADD
Monroe	BRADD
Montgomery	GWADD
Morgan	GWADD
Muhlenberg	PEADD
Nelson	LTADD
Nicholas	BGADD
Ohio	GRADD
Oldham	KIPDA
Owen	NKADD
Owsley	KRADD
Pendleton	NKADD
Perry	KRADD
Pike	BSADD
Powell	BGADD
Pulaski	LCADD
Robertson	BTADD
Rockcastle	CVADD
Rowan	GWADD
Russell	LCADD
Scott	BGADD
Shelby	KIPDA
Simpson	BRADD
Spencer	KIPDA
Taylor	LCADD
Todd	PEADD
Trigg	PEADD
Trimble	KIPDA
Union	GRADD
Warren	BRADD
Washington	LTADD
Wayne	LCADD
Webster	GRADD
Whitley	CVADD
Wolfe	KRADD
Woodford	BGADD