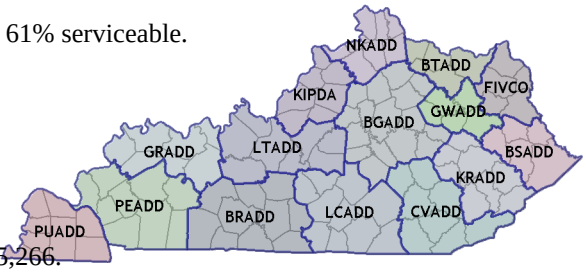
Kentucky

- 2010 census population of 4,339,367 (1,927,164 households) with 61% serviceable.
- Projected 2020 population of 4,672,754 (change of 333,387).
- 20,880 miles of existing sewer lines.
- 18 new sewage treatment plants proposed in the next 10 years.
- 1,837 miles of line extensions proposed in the next 10 years.
- 431 miles of line rehabilitation proposed in the next 10 years.
- 389 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,723,945,266.
- Estimated funding needs for projects from 6 to 10 years: $366,522,071.
- Average age of wastewater treatment plants is 30 years.
- Total number of interconnected systems is 44.
- 2,647 miles of sewer lines less than 15 years old.
- 4,247 miles of sewer lines between 15 and 30 years old.
- 4,791 miles of sewer lines between 31 and 50 years old.
- 3,335 miles of sewer lines between 51 and 70 years old.
- 2,157 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	564,801	74%	$ 561,203,875
Barren River Area Development District	284,195	316,297	125,399	44%	$ 155,809,034
Big Sandy Area Development District	154,093	148,051	36,386	24%	$ 151,039,300
Buffalo Trace Area Development District	56,478	58,306	19,013	35%	$ 32,300,050
Cumberland Valley Area Development District	236,618	237,501	77,102	33%	$ 215,805,615
Five County Area Development District	137,884	139,098	71,478	53%	$ 132,037,650
Green River Area Development District	213,472	220,544	134,465	64%	$ 78,604,112
Gateway Area Development District	81,652	87,651	36,052	41%	$ 23,090,458
Kentuckiana Regional Planning and Development Agency	959,091	1,058,343	827,416	88%	$ 155,557,038
Kentucky River Area Development District	114,762	111,267	26,397	23%	$ 84,770,361
Lake Cumberland Area Development District	207,256	221,481	56,374	27%	$ 93,323,151
Lincoln Trail Area Development District	269,117	295,040	107,181	41%	$ 92,510,583
Northern Kentucky Area Development District	438,647	488,377	354,423	81%	$ 47,607,511
Pennyrile Area Development District	219,305	226,580	109,243	51%	$ 138,013,842
Purchase Area Development District	196,393	201,697	95,409	49%	$ 128,794,757
Demographic Totals	**4,339,367**	**4,672,754**	**2,641,139**	**61%**	**$ 2,090,467,337**

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	27	4	472	738	1,052	609	411
Barren River Area Development District	35	1	209	210	490	60	8
Big Sandy Area Development District	23	1	102	197	14	57	2
Buffalo Trace Area Development District	31	1	97	34	64	58	0
Cumberland Valley Area Development District	33	2	165	112	239	141	37
Five County Area Development District	36	8	57	235	196	92	6
Green River Area Development District	39	7	171	189	284	159	220
Gateway Area Development District	24	0	67	209	70	19	0
Kentuckiana Regional Planning and Development Agency	32	1	564	1,157	1,048	708	514
Kentucky River Area Development District	23	1	109	51	84	24	0
Lake Cumberland Area Development District	24	3	132	119	182	37	81
Lincoln Trail Area Development District	32	3	159	152	93	341	6
Northern Kentucky Area Development District	22	3	108	676	683	411	219
Pennyrile Area Development District	38	7	132	131	160	200	402
Purchase Area Development District	31	2	103	37	132	419	251
Asset Condition Averages and Totals:	**30**	**44**	**2,647**	**4,247**	**4,791**	**3,335**	**2,157**

Kentucky Infrastructure Authority
February 19, 2016

Percent of Households Serviceable by Public Wastewater Systems in 2010

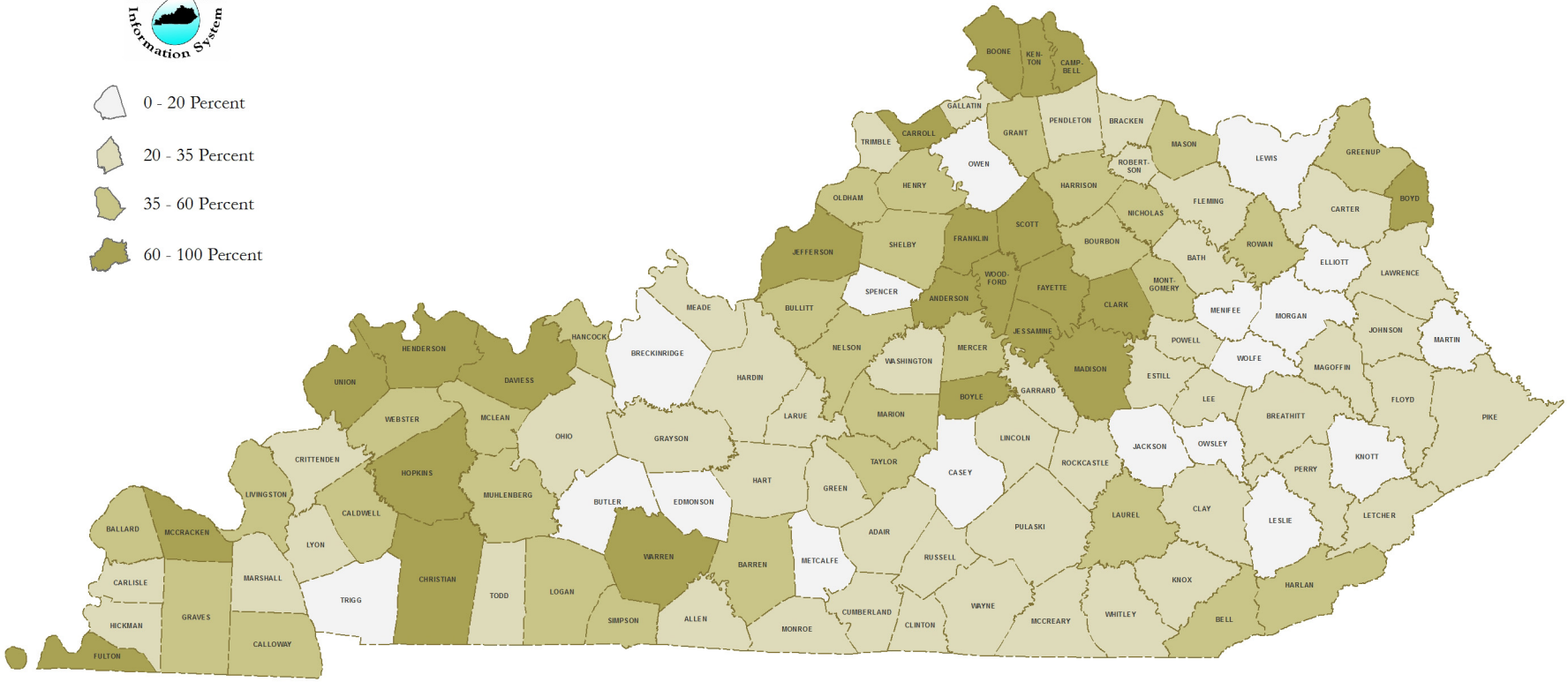
Prepared By:
Kentucky Infrastructure Authority

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

February, 2015

Water Resource Information System

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



Kentucky Infrastructure Authority
February 19, 2016

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

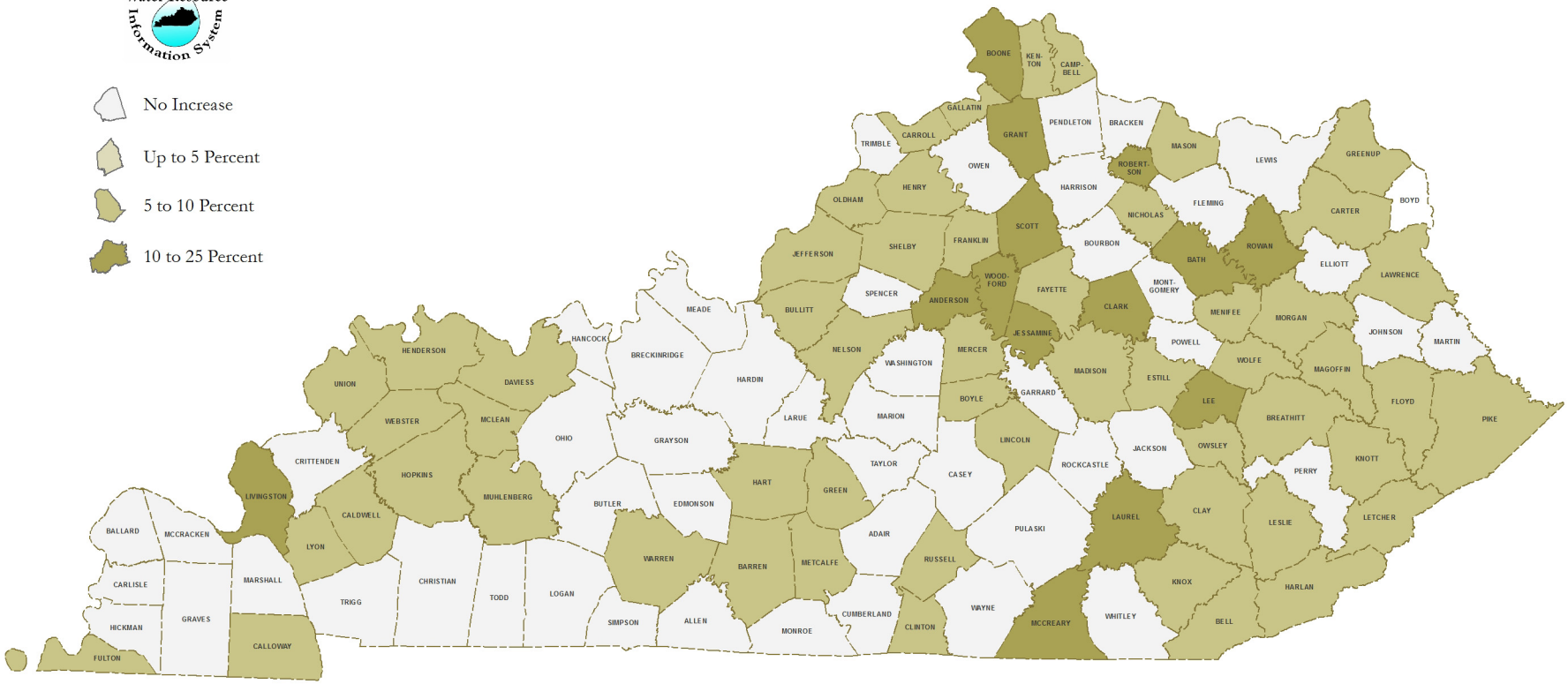
Prepared By:
Kentucky Infrastructure Authority

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

February, 2015

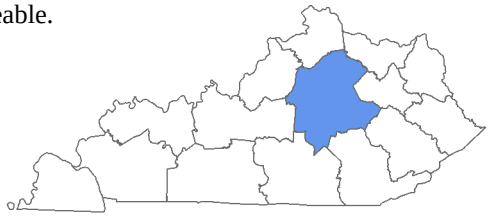
Water Resource Information System

- 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 74% serviceable.
- Projected 2020 population of 862,521 (change of 92,117).
- 3,282.06 miles of existing sewer lines.
- 261.00 miles of line extensions proposed in the next 10 years.
- 72.00 miles of line rehabilitation proposed in the next 10 years.
- 110.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $435,182,625.
- Estimated funding needs for projects from 6 to 10 years: $126,021,250.
- Average age of wastewater treatment plants is 27 years.
- Total number of interconnected systems is 4.
- 472 miles of sewer lines less than 15 years old.
- 738 miles of sewer lines between 15 and 30 years old.
- 1,052 miles of sewer lines between 31 and 50 years old.
- 609 miles of sewer lines between 51 and 70 years old.
- 411 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 74 percent of the district's households based on 2010 census counts. Over the next ten years approximately 7,428 serviceable households will be added through the construction of 261.00 miles of sewer line extensions and approximately 98,886 instances of improved service through the rehabilitation of 72.00 miles of existing sewer lines and other appurtenances. 110.00 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%	$ 4,205,000
Bourbon	19,985	8,927	20,530	8,478	5,312	60%	$ 16,554,000
Boyle	28,432	12,312	29,048	11,782	8,643	70%	$ 15,299,676
Clark	35,613	15,706	37,985	15,800	11,106	71%	$ 38,433,250
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%	$ 109,698,885
Franklin	49,285	23,164	50,777	21,761	17,084	74%	$ 66,096,005
Garrard	16,912	7,463	19,122	7,917	1,854	25%	$ 5,023,288
Harrison	18,846	8,208	19,640	8,006	3,189	39%	$ 5,432,400
Jessamine	48,586	19,331	58,928	22,184	14,439	75%	$ 93,672,742
Lincoln	24,742	10,819	26,170	10,762	2,692	25%	$ 10,545,420
Madison	82,916	35,043	95,333	38,093	21,955	63%	$ 71,643,854
Mercer	21,331	9,941	21,810	9,299	4,349	44%	$ 33,763,226
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%	$ 5,991,139
Scott	47,173	19,303	63,984	25,538	13,093	68%	$ 3,170,000
Woodford	24,939	10,711	26,817	11,147	7,309	68%	$ 31,471,990
Totals	**770,404**	**340,939**	**862,521**	**355,488**	**253,492**	**74%**	**$ 561,203,875**

Kentucky Infrastructure Authority
February 19, 2016

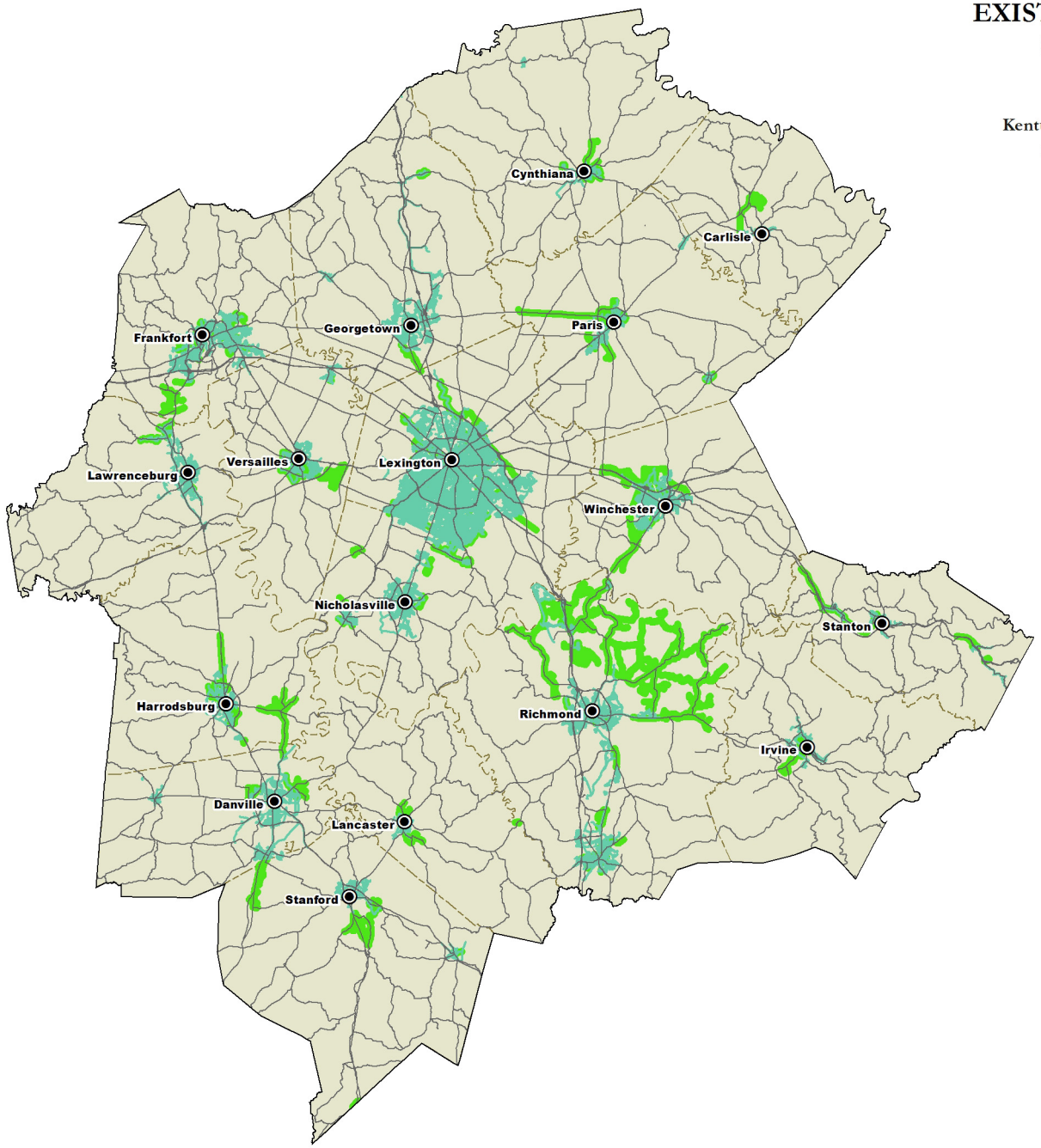
EXISTING & PROPOSED SEWER LINES

BGADD

Prepared By:
Kentucky Infrastructure Authority

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

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	866	407
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
KY0022861	Frankfort Sewer Department	Franklin	34,505	17,094
KY0020974	Lancaster Wastewater Treatment Plant and Sewer Department	Garrard	3,991	1,854
05011006	Berry Sewer System	Harrison	288	118
KY0076635	Cedarbrook Subdivision	Harrison	131	45
KY0105856	Cynthiana Sewer Department	Harrison	6,537	3,023
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	13,846	5,735
KY0102971	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,313	563
KY0056561	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	195	89
KYP000071	Northern Madison County Sanitation District - Greens Crossing	Madison	790	362
KY0105376	Northern Madison County Sanitation District - Regional Plant	Madison	2,662	1,028
KY0107107	Richmond Utilities - Otter Creek	Madison	31,848	13,957
KY0103357	Richmond Utilities - Silver Creek	Madison	378	215
KY0027421	Harrodsburg Sewer Department	Mercer	8,778	4,126
KYP000080	Mercer County Sanitation District	Mercer	402	211
KY0020923	Carlisle Sewer Department	Nicholas	2,253	1,148
KIA181001	Nicholas County Sanitation District #2	Nicholas	183	107
KYP000084	Clay City WWTP	Powell	1,213	585
KY0104078	Powells Valley Water District Sewer Division	Powell	71	59
KY0034428	Red River Wastewater Authority	Powell	2,921	1,280
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
KY0028410	Midway Sewer Department	Woodford	1,723	752
KY0020621	Versailles Municipal Wastewater	Woodford	15,614	6,547
		Totals:	564,756	253,469

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	$2,820,000	Scott	1	1
SX21049028	Hampton Manor Outfall Sewer	0-2 Years	Not Funded	$1,404,000	Clark	2	1
SX21113025	Wilmore WWTP Sludge Handling Improvements	0-2 Years	Partially Funded	$3,710,000	Jessamine	3	1
SX21067048	West Hickman WWTP Wet Weather Storage Tanks - Phase 1	0-2 Years	Partially Funded	$71,303,742	Fayette	4	3
SX21073029	Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,250,000	Franklin	5	2
SX21005006	Lawrenceburg - Alton Vacuum Sewer System Replacement Phase 4	0-2 Years	Not Funded	$1,670,000	Anderson	6	1
SX21065002	Wisemantown Sewer Extensions	0-2 Years	Partially Funded	$3,800,000	Estill	7	1
SX21017004	City of Paris - Claysville Trunk Sewer Replacement Project, Phase II	0-2 Years	Not Funded	$1,825,000	Bourbon	8	1
SX21067057	Town Branch Commons - Phase 1/Midland Avenue Trunk Sewer Replace	0-2 Years	Not Funded	$9,969,585	Fayette	9	2
SX21017010	City of Paris-Southern Hills Sanitary Sewer Collection Project	3-5 Years	Not Funded	$1,820,000	Bourbon	10	4
SX21137020	Crab Orchard UV Replacement	0-2 Years	Not Funded	$275,000	Lincoln	11	1
SX21017013	City of Paris - Bedford Acres Sanitary Sewer Project Phase 2	0-2 Years	Not Funded	$1,850,000	Bourbon	12	2
SX21151048	Walnut Street Stormwater Improvement	0-2 Years	Not Funded	$1,800,000	Madison	13	3
SX21137019	Lincoln County Fiscal Court - Rowland Sanitary Sewer Extension	0-2 Years	Not Funded	$130,000	Lincoln	14	2
SX21021015	East Danville/Horkey	3-5 Years	Not Funded	$350,000	Boyle	15	3
SX21017019	City of Paris - Pump Station Elimination and Rehabilitation	3-5 Years	Not Funded	$6,500,000	Bourbon	16	5
SX21005008	Lawrenceburg - Four Roses Sewer Extension	0-2 Years	Not Funded	$535,000	Anderson	17	4
SX21073069	Frankfort Sewer Department WWTP Headworks Replacement	0-2 Years	Not Funded	$5,900,000	Franklin	18	5
SX21151045	Berea Gravity Sewer Rehabilitation	0-2 Years	Not Funded	$1,600,000	Madison	19	2
SX21079015	Lancaster Sewer Line Extension to Industrial Park	0-2 Years	Not Funded	$403,550	Garrard	20	5
SX21065008	Kelly Pump Station 6-Inch Force Main Replacement - Imu	0-2 Years	Not Funded	$250,000	Estill	21	4
SX21167019	M C S D - Gwinn Island Road Sanitary Sewer Extension	0-2 Years	Not Funded	$1,525,676	Boyle	22	2
SX21151039	NMCSD - Madison Village Collection System Rehab	0-2 Years	Not Funded	$1,275,000	Madison	23	4
SX21197004	Clay City - Phase II Sewer System Rehab	0-2 Years	Partially Funded	$332,308	Powell	24	3
SX21197006	Stanton-Sanitary Sewer Service Area Expansion, Phase I	0-2 Years	Not Funded	$1,954,200	Powell	25	2
SX21167022	Sanitary Sewer Rehabilitation 2015	0-2 Years	Partially Funded	$1,569,300	Mercer	26	3
SX21073070	Frankfort Sewer Department Capital Avenue River Interceptor	0-2 Years	Not Funded	$1,750,000	Franklin	27	4
SX21017005	City of Paris-Mill Run Road & Cathy Drive Sanitary Sewer Project	3-5 Years	Not Funded	$900,000	Bourbon	28	6
SX21017015	City of Paris Rehab Sanitary Sewer Mains	0-2 Years	Not Funded	$250,000	Bourbon	29	3
SX21017009	Bourbon County Fiscal Court - Centerville Sewer Project	0-2 Years	Partially Funded	$2,500,000	Bourbon	30	7
SX21073073	FSD - Collins Lane I/I Reduction and Cloverdale/Cougar Lane Stormwater Management	0-2 Years	Not Funded	$2,041,000	Franklin	31	9
SX21239003	Midway Brand Street Sewer Rehab Project	0-2 Years	Not Funded	$670,000	Woodford	32	12

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21065006	Wall Street Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	$309,000	Estill	33	5
SX21021004	Danville Major Sewer System Rehabilitation	3-5 Years	Not Funded	$1,740,000	Boyle	34	4
SX21065007	Covey Road Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	$201,000	Estill	35	6
SX21239010	Versailles Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	$20,911,190	Woodford	36	3
SX21073072	Frankfort Sewer Department Buffalo Alley Pump Station Replacemen	0-2 Years	Not Funded	$1,300,000	Franklin	37	8
SX21073071	FSD - Franklin Ave. and Meagher Ave. Sanitary Sewer Rehab and Willow Street Storm Water Maangement	0-2 Years	Not Funded	$1,853,750	Franklin	38	6
SX21073075	FSD - Two Creeks Upper & Blanton Acres I&I Reduction and Stormwater Management	0-2 Years	Not Funded	$2,175,965	Franklin	39	7
SX21073068	FSD - East Main Interceptor Project and Linden Stormwater Management	0-2 Years	Not Funded	$1,664,000	Franklin	40	11
SX21073047	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	0-2 Years	Not Funded	$1,500,000	Franklin	41	10
			Total Cost:	**$176,588,266**			

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 107.40 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.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,205,000.
- 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 and approximately 205 instances of improved service through the rehabilitation of 8.00 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 Lawrenceburg	3	$4,205,000	14	205	2.00	8.00	-
Totals:	**3**	**$4,205,000**	**14**	**205**	**2.00**	**8.00**	**-**

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 19, 2016

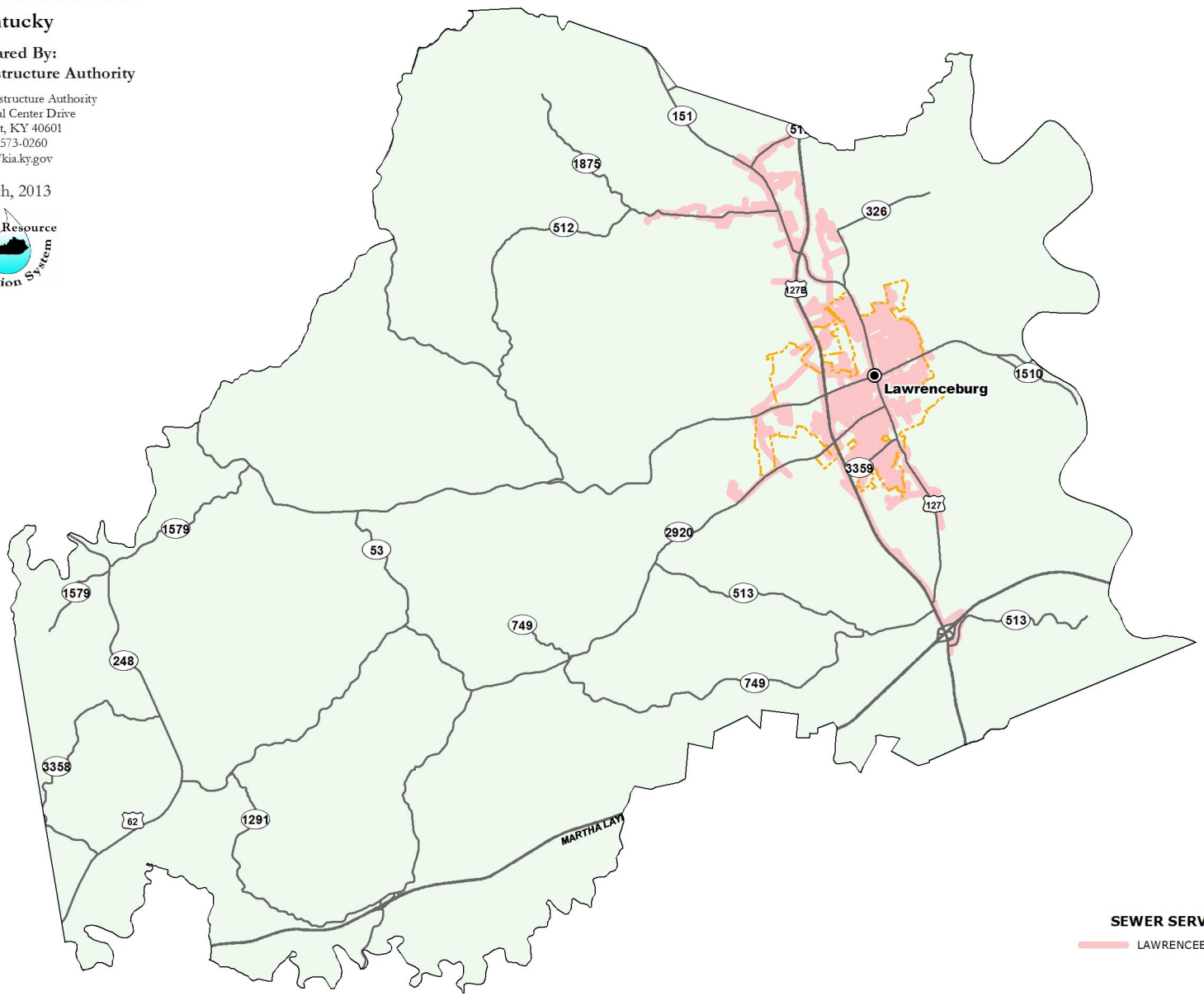
SEWER SERVICE AREAS
ANDERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Lawrenceburg Water and Sewer

Permit ID	KY0021067	Treats Wastewater	Yes, 3.3 MGD with 2.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,389
Owner Type	Incorporated City	KISOP Sender	No
Employees	60	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.29	Total KISOP Treated (MG)	-
Residential Customers	6,677	Total Treated (MG)	801.540
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).			

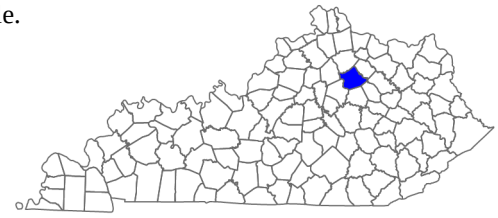
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21005006	Lawrenceburg - Alton Vacuum Sewer System Replacement Phase 4	0-2 Years	Not Funded	$1,670,000	Anderson	6	1
SX21005008	Lawrenceburg - Four Roses Sewer Extension	0-2 Years	Not Funded	$535,000	Anderson	17	4
SX21005007	Lawrenceburg Collection System I&I Rehab	0-2 Years	Partially Funded	$2,000,000	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.
- 17.00 miles of line extensions proposed in the next 10 years.
- 2.00 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: $16,554,000.
- 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 17.00 miles of sewer line extensions and approximately 4,320 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 7.00 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	1	$2,500,000	130	-	9.00	-	-
City of Millersburg	1	$609,000	-	330	-	-	-
City of North Middletown	1	$300,000	-	-	-	-	-
City of Paris	6	$13,145,000	348	3,990	8.00	2.00	7.00
Totals:	**9**	**$16,554,000**	**478**	**4,320**	**17.00**	**2.00**	**7.00**

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 19, 2016

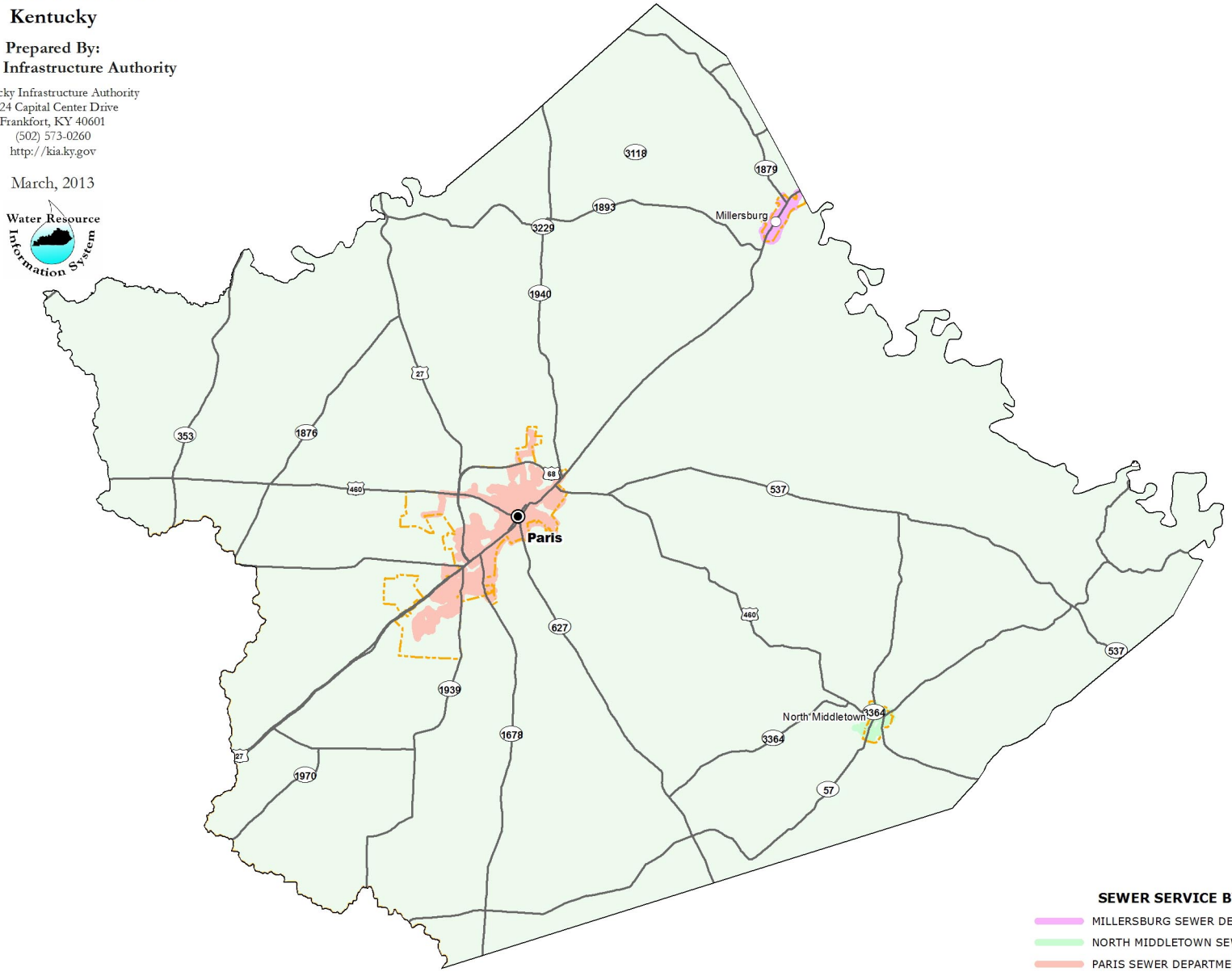
SEWER SERVICE AREAS
BOURBON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Millersburg Sewer Department

Permit ID	KY0020940	Treats Wastewater	Yes, 0.2 MGD with 0.12 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	$46.40	Total KISOP Treated (MG)	-
Residential Customers	402	Total Treated (MG)	41.975
Commercial Customers	6	Number of Manholes	163
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 0% 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.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21017016	Millersburg Wastewater Treatment Plant Improvements	0-2 Years	Not Funded	$609,000	Bourbon		

System Summary for North Middletown Sewer Treatment Plant

Permit ID	KY0031836	Treats Wastewater	Yes, 0.08 MGD with 0.06 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)	17.885
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.

Project Summary (Top 18 Approved, 0-5 years) for North Middletown Sewer Treatment Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21017017	North Middletown Ky Sewer System	3-5 Years	Not Funded	$300,000	Bourbon		

System Summary for Paris Sewer Department

Permit ID	KY0090654	Treats Wastewater	Yes, 3.3 MGD with 1.32 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,100
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	3,942	Total Treated (MG)	541.781
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).			

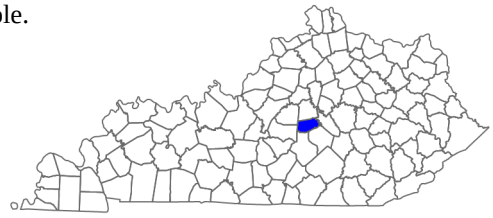
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21017004	City of Paris - Claysville Trunk Sewer Replacement Project, Phase II	0-2 Years	Not Funded	$1,825,000	Bourbon	8	1
SX21017010	City of Paris-Southern Hills Sanitary Sewer Collection Project	3-5 Years	Not Funded	$1,820,000	Bourbon	10	4
SX21017013	City of Paris - Bedford Acres Sanitary Sewer Project Phase 2	0-2 Years	Not Funded	$1,850,000	Bourbon	12	2
SX21017019	City of Paris - Pump Station Elimination and Rehabilitation	3-5 Years	Not Funded	$6,500,000	Bourbon	16	5
SX21017005	City of Paris-Mill Run Road & Cathy Drive Sanitary Sewer Project	3-5 Years	Not Funded	$900,000	Bourbon	28	6
SX21017015	City of Paris Rehab Sanitary Sewer Mains	0-2 Years	Not Funded	$250,000	Bourbon	29	3
SX21017009	Bourbon County Fiscal Court - Centerville Sewer Project	0-2 Years	Partially Funded	$2,500,000	Bourbon	30	7

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 153.86 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.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,799,676.
- 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 6,693 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 Danville	4	$5,009,000	205	6,693	13.00	-	1.00
Mercer County Sanitation District	2	$10,290,676	65	-	2.00	-	1.00
Totals:	**6**	**$15,299,676**	**270**	**6,693**	**15.00**	**-**	**2.00**

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	866	407
KY0057193	Danville Municipal Sewer System	Boyle	19,020	8,236
		Totals:	19,886	8,643

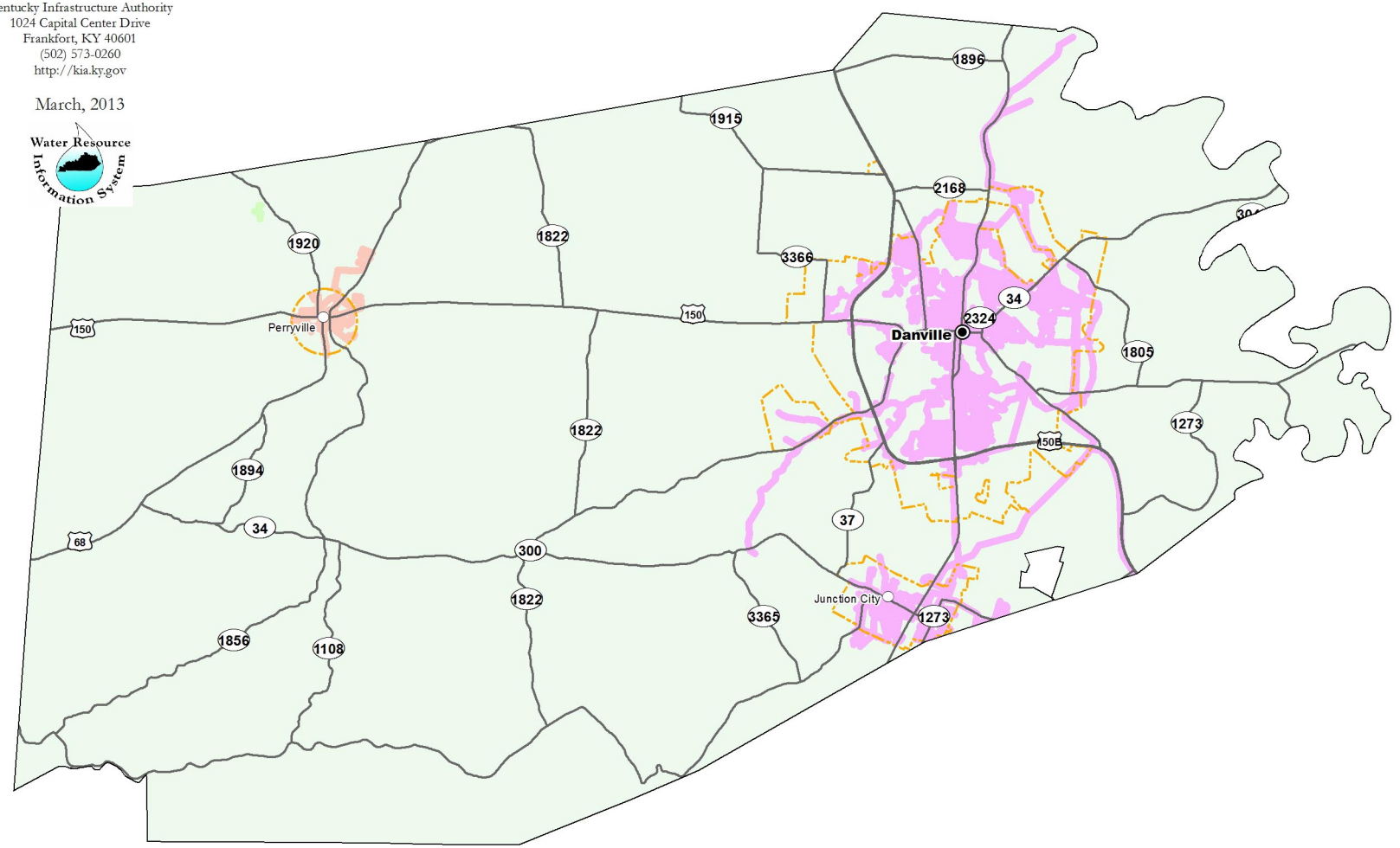
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BOYLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Danville - Perryville WWTP

Permit ID	KY0028355	Treats Wastewater	Yes, 0.1 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	$24.52	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 = 8.78 miles (Collection: 7.23 miles, Interceptors: 1.55 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 4.74 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	$16.74	Total KISOP Treated (MG)	-
Residential Customers	4,900	Total Treated (MG)	1,865.880
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).			

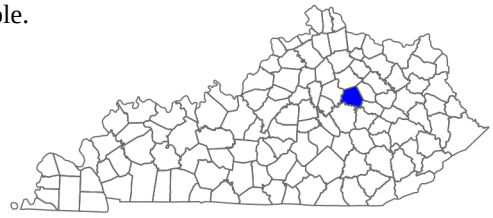
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21021015	East Danville/Horkey	3-5 Years	Not Funded	$350,000	Boyle	15	3
SX21021004	Danville Major Sewer System Rehabilitation	3-5 Years	Not Funded	$1,740,000	Boyle	34	4
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 173.97 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.
- 15.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $10,248,000.
- Estimated funding needs for projects from 6 to 10 years: $28,185,250.



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 132 serviceable households will be added through the construction of 13.00 miles of sewer line extensions and approximately 5,961 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 15.00 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	14	$38,433,250	132	5,961	13.00	3.00	15.00
Totals:	**14**	**$38,433,250**	**132**	**5,961**	**13.00**	**3.00**	**15.00**

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 19, 2016

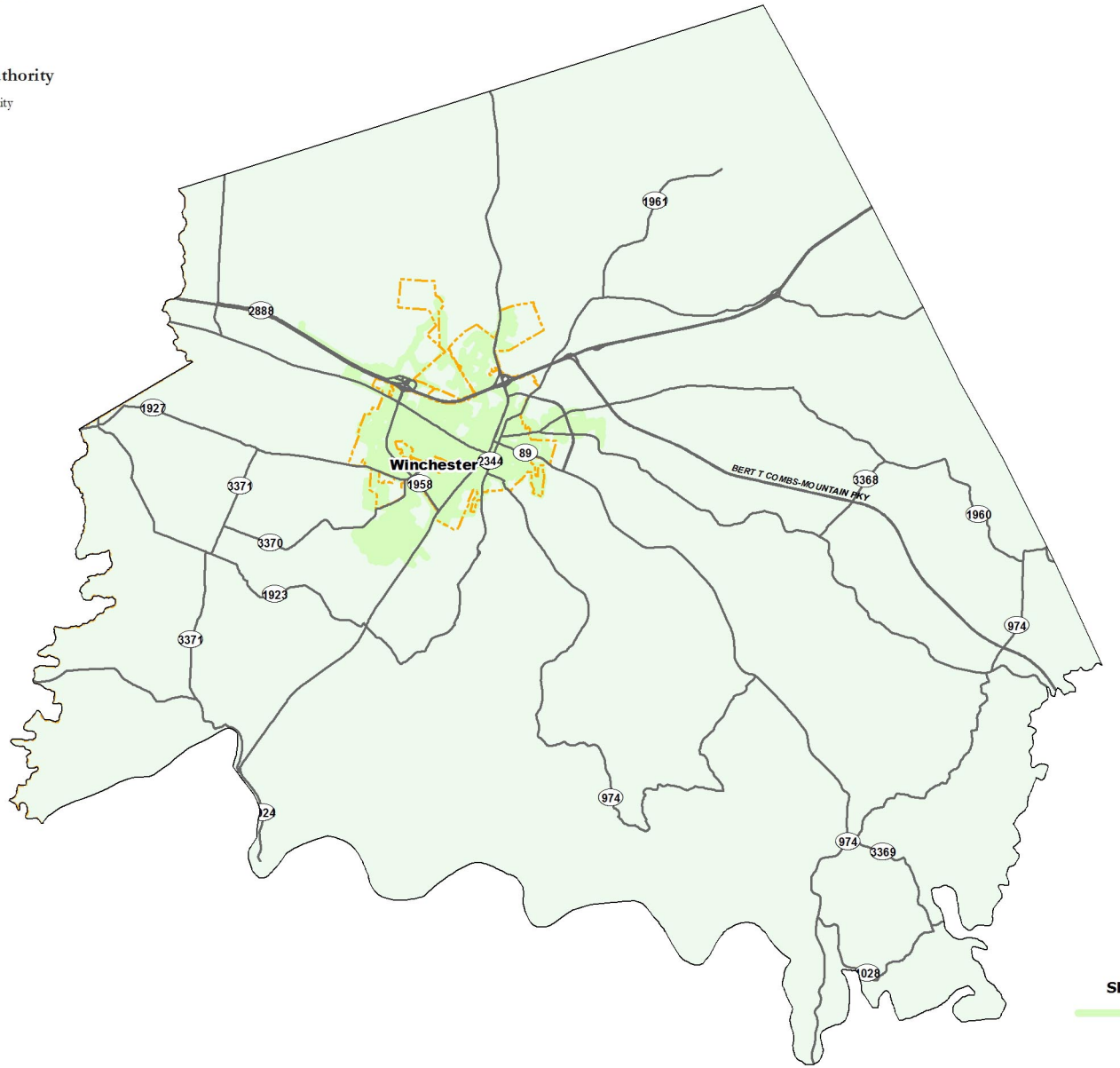
SEWER SERVICE AREAS
CLARK COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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 1 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	10,589	Total Treated (MG)	0.385
Commercial Customers	794	Number of Manholes	3889
Institutional Customers	54	Number of Lift Stations	0
Industrial Customers	-	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 4.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,404
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	10,589	Total Treated (MG)	1,433.000
Commercial Customers	794	Number of Manholes	3500
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 = 169.64 miles (Collection: 139.42 miles, Interceptors: 30.22 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
SX21049028	Hampton Manor Outfall Sewer	0-2 Years	Not Funded	$1,404,000	Clark	2	1
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		
SX21049026	East Interceptor Sanitary Sewer System Rehabilitation	6-10 Years	Not Funded	$6,430,000	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		
SX21049025	East Washington Street and Flanagan Street Sanitary Sewer System Improvements	6-10 Years	Not Funded	$2,507,000	Clark		
SX21049037	Maple Street Storm and Sanitary Sewer Rehabilitation	0-2 Years	Not Funded	$926,000	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	0-2 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		

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 47.72 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 354 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	354	8.00	-	1.00
Northern Madison Sanitation District	1	$43,313,000	3	-	-	-	-
Totals:	**5**	**$47,873,000**	**240**	**354**	**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

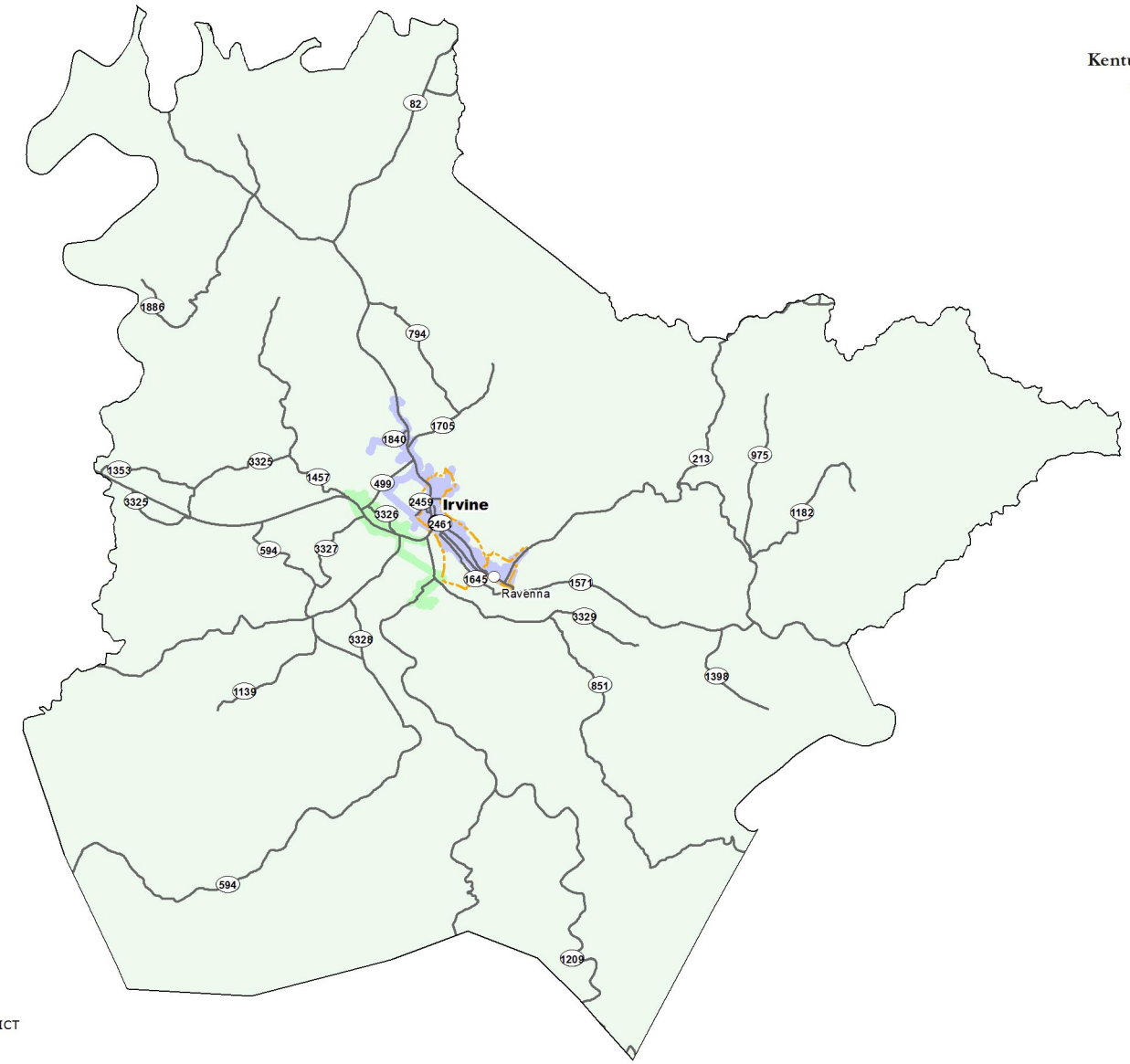
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
ESTILL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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 0.52 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)	239.700
Commercial Customers	239	Number of Manholes	490
Institutional Customers	3	Number of Lift Stations	17
Industrial Customers	1	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 47.42 miles (Collection: 39.63 miles, Interceptors: 7.80 miles).

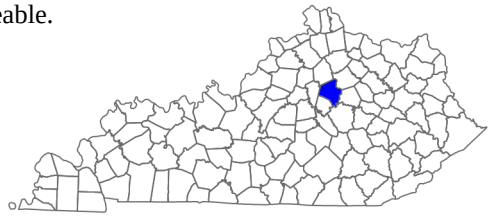
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21065002	Wisemantown Sewer Extensions	0-2 Years	Partially Funded	$3,800,000	Estill	7	1
SX21065008	Kelly Pump Station 6-Inch Force Main Replacement - Imu	0-2 Years	Not Funded	$250,000	Estill	21	4
SX21065006	Wall Street Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	$309,000	Estill	33	5
SX21065007	Covey Road Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	$201,000	Estill	35	6

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 1,321.40 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 15.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $109,698,885.
- 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 257 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 25,156 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 15.00 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	$2,820,000	5	-	-	-	-
Jessamine-South Elkhorn Water District	1	$450,000	-	-	-	-	-
Lexington-Fayette Urban County Government	20	$106,428,885	252	25,156	5.00	3.00	15.00
Totals:	**22**	**$109,698,885**	**257**	**25,156**	**5.00**	**3.00**	**15.00**

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

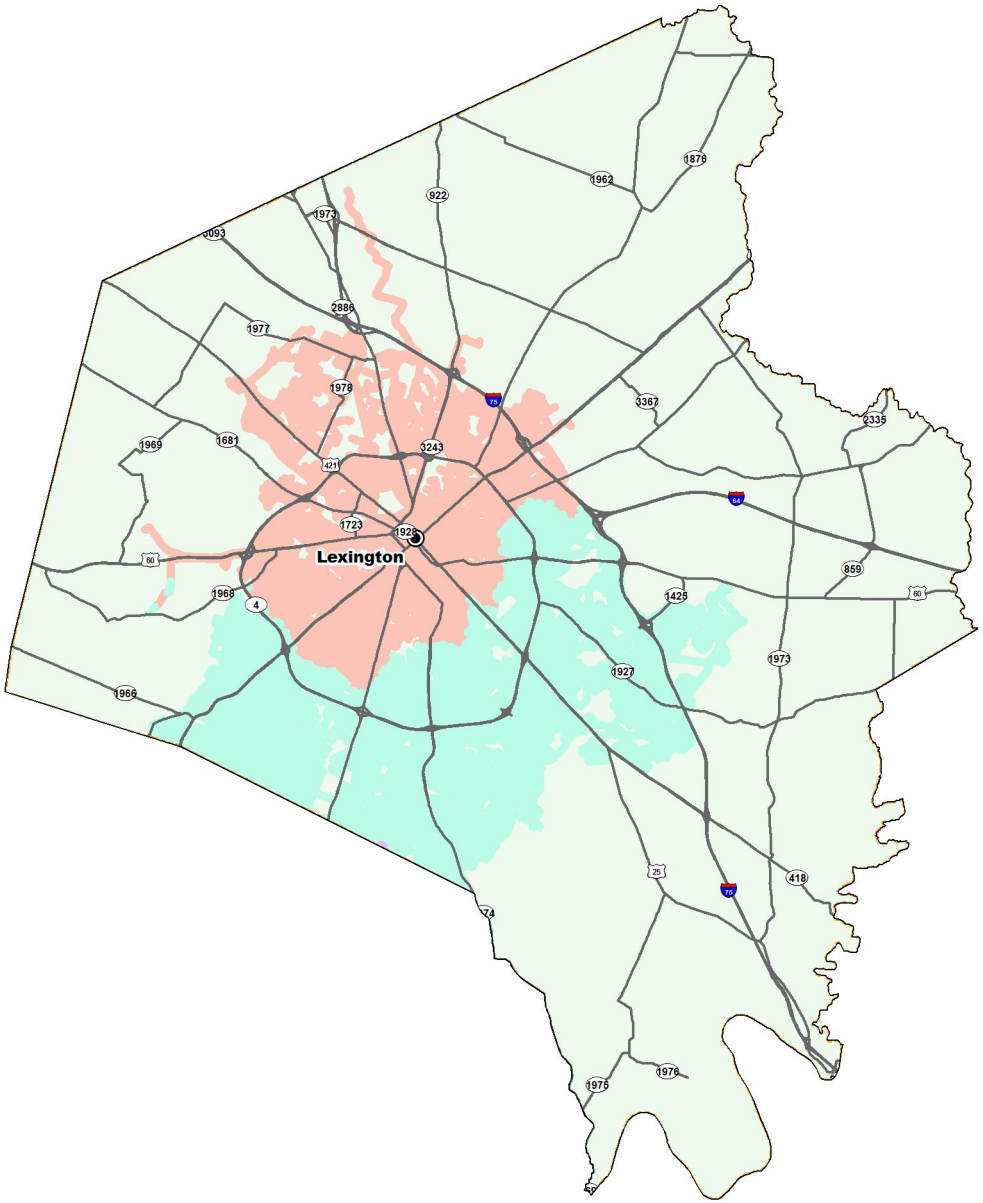
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
FAYETTE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	29	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.75	Total KISOP Treated (MG)	-
Residential Customers	106,033	Total Treated (MG)	8,420.199
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
SX21067057	Town Branch Commons - Phase 1/Midland Avenue Trunk Sewer Replace	0-2 Years	Not Funded	$9,969,585	Fayette	9	2
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		
SX21067018	Lower Cane Run Pump Station - LFUCG	0-2 Years	Not Funded	$6,000,000	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		
SX21067050	Lower Griffin Gate Trunk	0-2 Years	Not Funded	$2,355,600	Fayette		
SX21067001	Comprehensive Sanitary Sewer Project - Remaining Unsewered Areas - Phase 1A - Town Branch Wastewater Treatment Plant	0-2 Years	Partially Funded	$2,300,000	Fayette		
SX21067058	Tucson/Laramie Area Stormwater Improvements	0-2 Years	Not Funded	$1,920,000	Fayette		
SX21067008	Comprehensive Sanitary Sewer Project - Remaining Unsewered Areas - Phase 2	0-2 Years	Partially Funded	$1,406,740	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		
SX21113018	Windhaven Drive Sewer Collection System	0-2 Years	Not Funded	$450,000	Jessamine		
SX21067051	Lower Cane Run Force Main Extension	0-2 Years	Not Funded	$180,112	Fayette		
SX21067028	Woodlake Way Storm Line Repairs	0-2 Years	Not Funded	$35,000	Fayette		

System Summary for University of Ky - North Farm Area

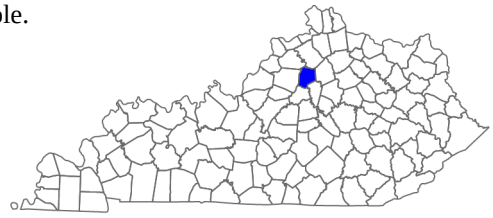
Permit ID	067047596	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	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 University of Ky - North Farm Area

Franklin County

- 2010 census population of 49,285 (23,164 households) with 74% serviceable.
- Projected 2020 population of 50,777 (change of 1,492).
- Franklin County has 255.80 miles of existing sewer lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- 27.00 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: $66,096,005.
- 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 74 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 22,926 instances of improved service through the rehabilitation of 27.00 miles of existing sewer lines and other appurtenances. 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 Frankfort	24	$46,079,005	14	22,034	2.00	25.00	6.00
Farmdale Sanitation District	9	$20,017,000	346	892	7.00	2.00	2.00
Totals:	**33**	**$66,096,005**	**360**	**22,926**	**9.00**	**27.00**	**8.00**

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
KY0022861	Frankfort Sewer Department	Franklin	34,484	17,084
		Totals:	34,484	17,084

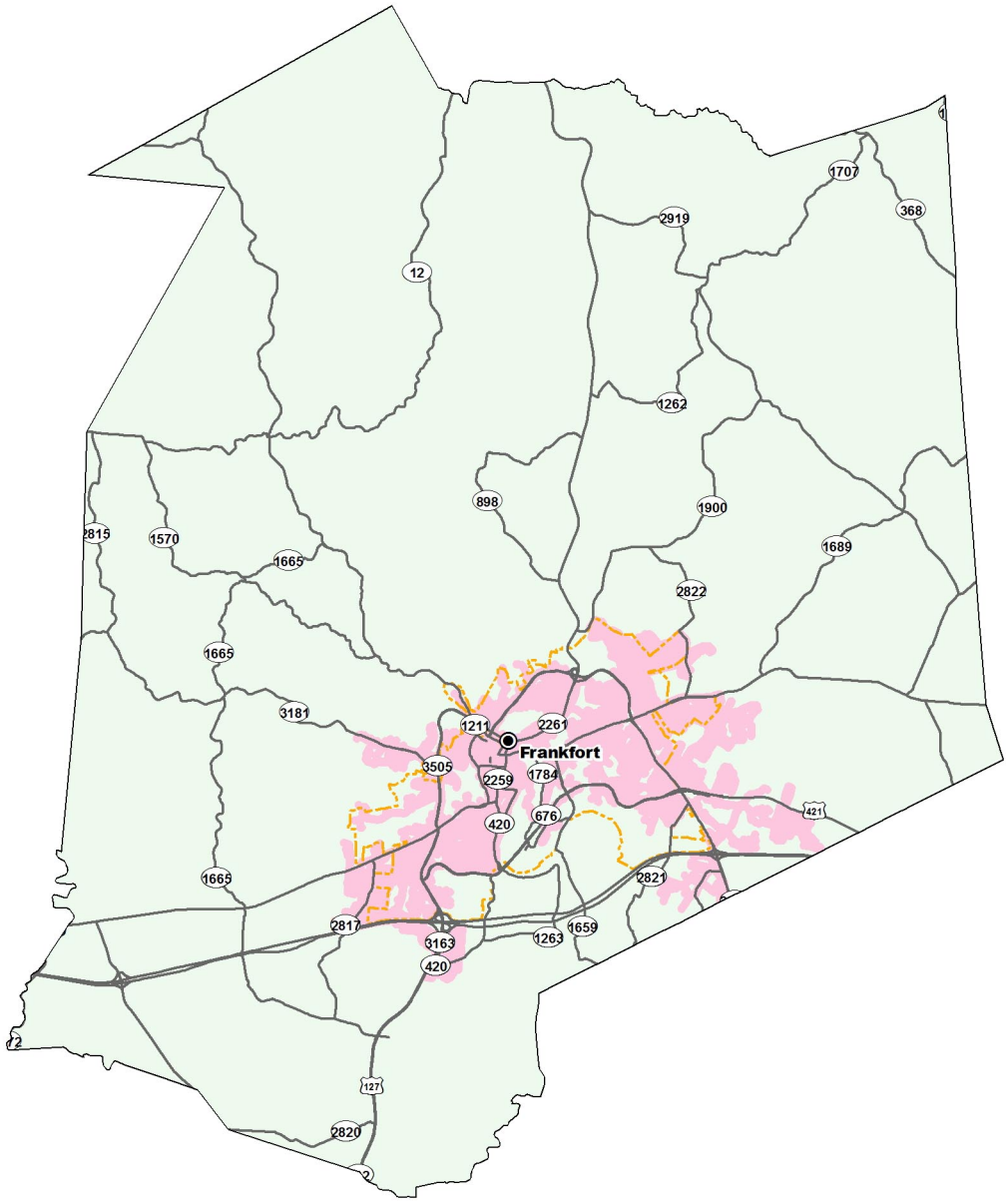
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
FRANKLIN 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



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 = 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 Coolbrook Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073029	Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,250,000	Franklin	5	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 = 0.02 miles (Collection: 0.02 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	Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,250,000	Franklin	5	2

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
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 = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 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 7.81 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	$37.32	Total KISOP Treated (MG)	-
Residential Customers	12,054	Total Treated (MG)	2,679.100
Commercial Customers	1,936	Number of Manholes	6012
Institutional Customers	-	Number of Lift Stations	49
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
SX21073029	Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	$12,250,000	Franklin	5	2
SX21073069	Frankfort Sewer Department WWTP Headworks Replacement	0-2 Years	Not Funded	$5,900,000	Franklin	18	5
SX21073070	Frankfort Sewer Department Capital Avenue River Interceptor	0-2 Years	Not Funded	$1,750,000	Franklin	27	4
SX21073073	FSD - Collins Lane I/I Reduction and Cloverdale/Cougar Lane Stormwater Management	0-2 Years	Not Funded	$2,041,000	Franklin	31	9
SX21073072	Frankfort Sewer Department Buffalo Alley Pump Station Replacemen	0-2 Years	Not Funded	$1,300,000	Franklin	37	8
SX21073071	FSD - Franklin Ave. and Meagher Ave. Sanitary Sewer Rehab and Willow Street Storm Water Maangement	0-2 Years	Not Funded	$1,853,750	Franklin	38	6
SX21073075	FSD - Two Creeks Upper & Blanton Acres I&I Reduction and Stormwater Management	0-2 Years	Not Funded	$2,175,965	Franklin	39	7
SX21073068	FSD - East Main Interceptor Project and Linden Stormwater Management	0-2 Years	Not Funded	$1,664,000	Franklin	40	11
SX21073047	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	0-2 Years	Not Funded	$1,500,000	Franklin	41	10
SX21073076	Frankfort - Thornhill Sanitary Sewer Replacement	3-5 Years	Not Funded	$4,026,000	Franklin		
SX21073038	Frankfort Sewer Department - West Frankfort Pump Station	0-2 Years	Partially Funded	$3,881,000	Franklin		
SX21073067	Rolling Acres I&I Phase 1	0-2 Years	Partially Funded	$2,950,000	Franklin		
SX21073065	Glenns Creek Interceptor	0-2 Years	Not Funded	$2,481,630	Franklin		
SX21073079	Frankfort Sewer Department Mero Street Pump Station Replacement	0-2 Years	Not Funded	$2,050,000	Franklin		
SX21073078	Frankfort Sewer Department Holly Hills and Meadowview I/I Reduction and Stormwater Management	0-2 Years	Not Funded	$1,954,500	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		
SX21073062	Frankfort - WWTP Electrical Upgrade, Emergency Generator & SCADA System	0-2 Years	Partially Funded	$1,630,000	Franklin		

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 = 0.01 miles (Collection: 0.01 miles, Interceptors: 0.00 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

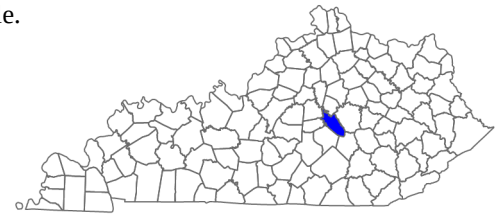
Permit ID	KY0074802	Treats Wastewater	Yes, 0.06 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total 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 = 0.04 miles (Collection: 0.04 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 29.16 miles of existing sewer lines.
- 7.00 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: $5,023,288.
- 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 121 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 3,377 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 Lancaster	7	$3,018,288	95	3,365	6.00	4.00	-
City of Richmond	1	$1,800,000	6	-	1.00	-	-
Garrard County Fiscal Court	1	$205,000	20	12	-	-	-
Totals:	**9**	**$5,023,288**	**121**	**3,377**	**7.00**	**4.00**	**-**

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	3,991	1,854
		Totals:	3,991	1,854

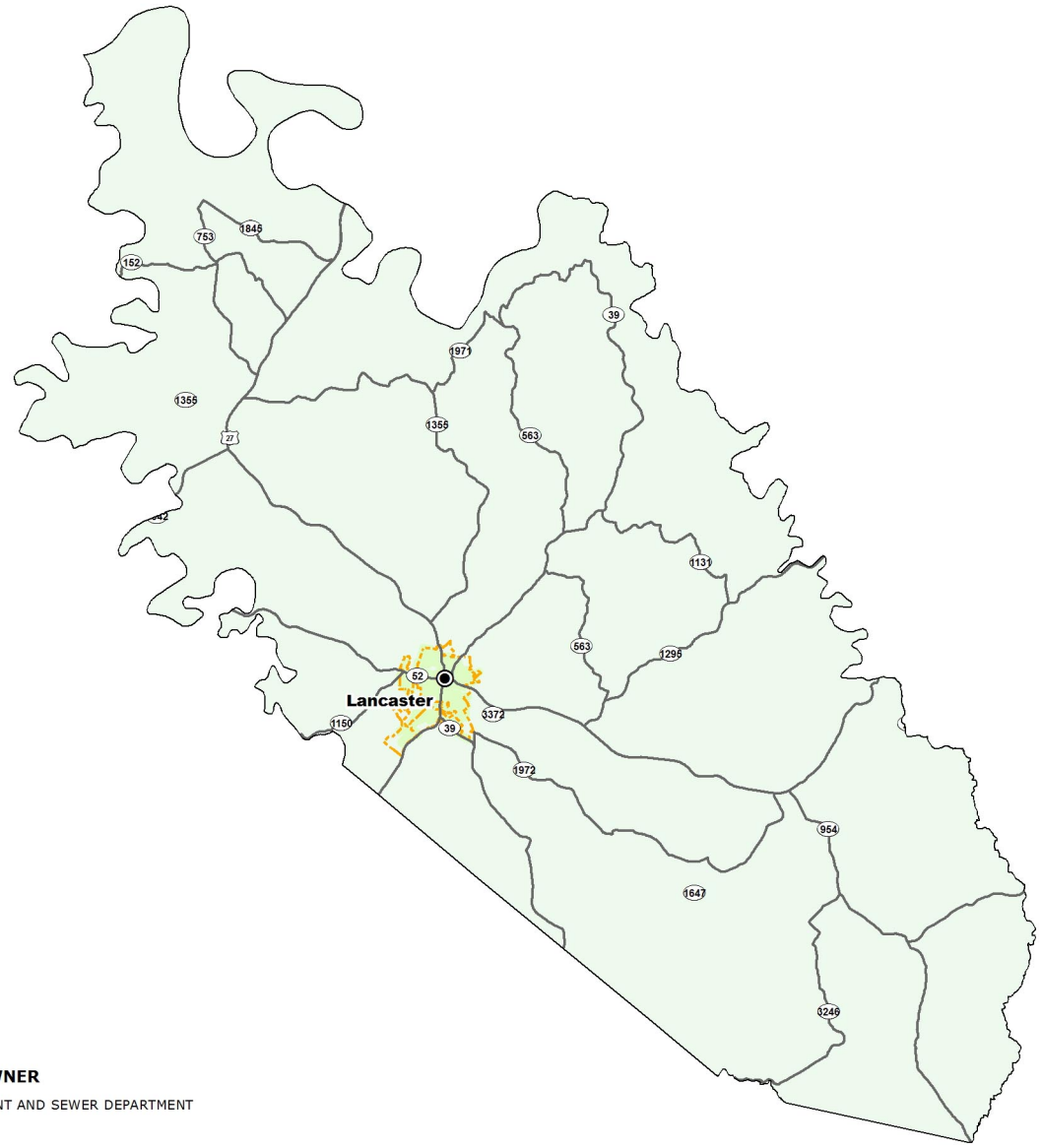
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
GARRARD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 = 0.03 miles (Collection: 0.03 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 0.51 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,623
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.56	Total KISOP Treated (MG)	-
Residential Customers	1,425	Total Treated (MG)	185.500
Commercial Customers	171	Number of Manholes	528
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 = 29.09 miles (Collection: 23.05 miles, Interceptors: 6.04 miles).			

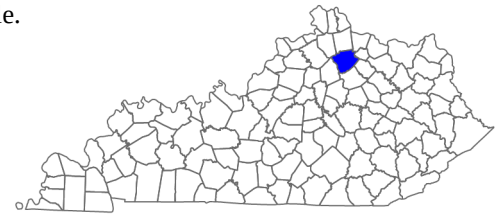
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21079015	Lancaster Sewer Line Extension to Industrial Park	0-2 Years	Not Funded	$403,550	Garrard	20	5
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		
SX21079017	Lancaster - WWTP Sand Filter Replacement Project	0-2 Years	Not Funded	$406,868	Garrard		
SX21079014	Paint Lick Sewer System	0-2 Years	Not Funded	$205,000	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 44.02 miles of existing sewer lines.
- There are no 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: $5,432,400.
- 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 2,478 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 Cynthiana	2	$5,432,400	-	2,478	-	14.00	-
Totals:	**2**	**$5,432,400**	**-**	**2,478**	**-**	**14.00**	**-**

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	6,537	3,023
		Totals:	6,956	3,186

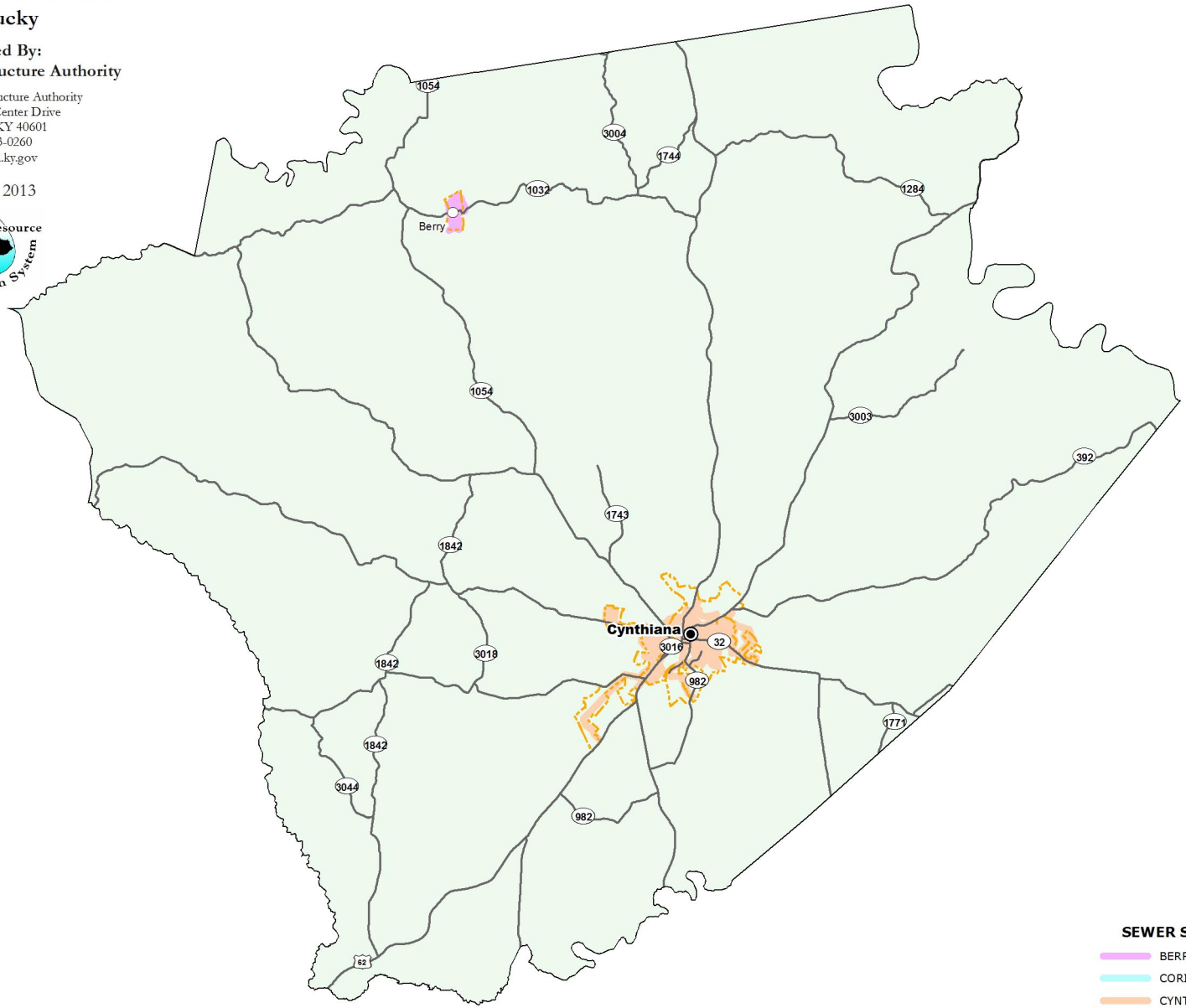
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HARRISON 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



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)	4.100
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 Cedarbrook Subdivision

Permit ID	KY0076635	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	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

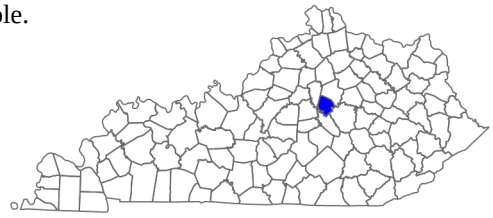
Permit ID	KY0105856	Treats Wastewater	Yes, 2 MGD with 0.87 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,700
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.80	Total KISOP Treated (MG)	-
Residential Customers	2,136	Total Treated (MG)	334.000
Commercial Customers	239	Number of Manholes	450
Institutional Customers	-	Number of Lift Stations	22
Industrial Customers	9	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 38.93 miles (Collection: 31.70 miles, Interceptors: 7.23 miles).			

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

There are no immediate projects for Cynthiana Sewer Department

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 191.73 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: $93,672,742.
- 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 3,603 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 Nicholasville	3	$1,514,000	115	1,598	2.00	-	-
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	2	$71,973,742	-	-	-	-	-
Totals:	**13**	**$93,672,742**	**338**	**3,603**	**7.00**	**1.00**	**-**

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

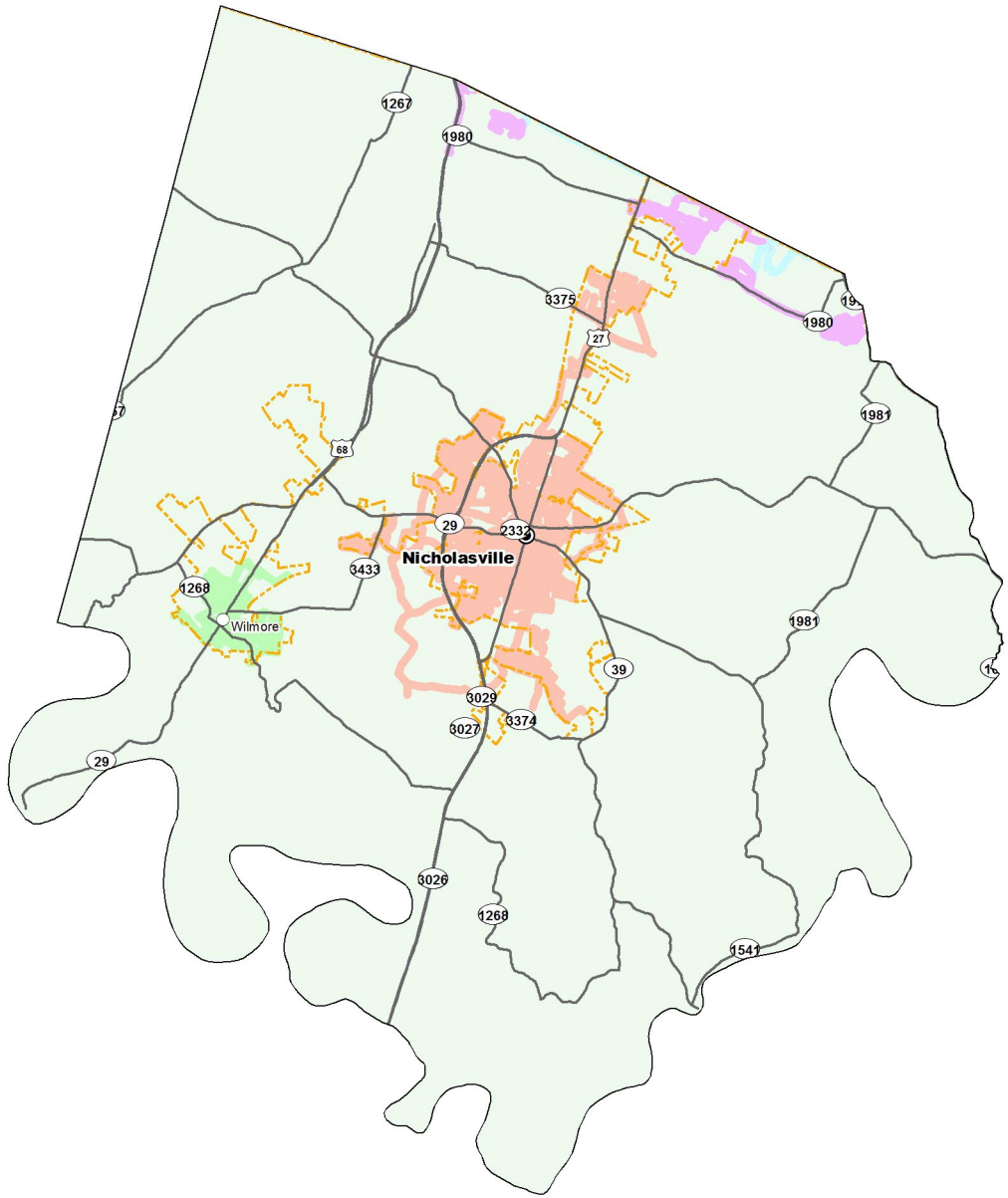
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
JESSAMINE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Jessamine South Elkhorn Water District

Permit ID	KYP000072	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	645
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	46.478
Cost Per 4000 Gallons	$41.20	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, 90% 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	27	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.75	Total KISOP Treated (MG)	46.478
Residential Customers	106,033	Total Treated (MG)	8,420.199
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 = 796.00 miles (Collection: 769.60 miles, Interceptors: 26.40 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	4	3
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		
SX21067019	Mint Lane Pump Station - LFUCG	0-2 Years	Not Funded	$4,415,898	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		
SX21067001	Comprehensive Sanitary Sewer Project - Remaining Unsewered Areas - Phase 1A - Town Branch Wastewater Treatment Plant	0-2 Years	Partially Funded	$2,300,000	Fayette		
SX21067008	Comprehensive Sanitary Sewer Project - Remaining Unsewered Areas - Phase 2	0-2 Years	Partially Funded	$1,406,740	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		
SX21067033	West Hickman WWTP Misc Equip-Fayette	0-2 Years	Not Funded	$670,000	Jessamine		
SX21067028	Woodlake Way Storm Line Repairs	0-2 Years	Not Funded	$35,000	Fayette		

System Summary for Nicholasville Sewer Department

Permit ID	KY0100404	Treats Wastewater	Yes, 4.1 MGD with 3.72 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,108
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	10,314	Total Treated (MG)	1,334.970
Commercial Customers	794	Number of Manholes	3877
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		
SX21113022	Nicholasville I - Vincewood Drive Sewer Main Extension	0-2 Years	Not Funded	$450,000	Jessamine		
SX21113024	Nicholasville III - Rose Hill Lift Station Elimination Project	0-2 Years	Not Funded	$64,000	Jessamine		

System Summary for Wilmore Sewer Department

Permit ID	KY0028428	Treats Wastewater	Yes, 1 MGD with 0.47 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,668
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.85	Total KISOP Treated (MG)	-
Residential Customers	1,595	Total Treated (MG)	189.800
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).			

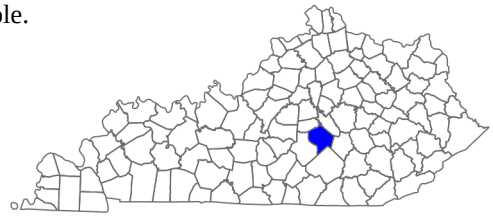
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21113025	Wilmore WWTP Sludge Handling Improvements	0-2 Years	Partially Funded	$3,710,000	Jessamine	3	1
SX21113003	Wilmore Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	$11,000,000	Jessamine		
SX21113026	Wilmore Wastewater Collection System Rehabilitation - Phase 2	0-2 Years	Not Funded	$530,000	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.
- 17.00 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: $10,545,420.
- 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 278 serviceable households will be added through the construction of 17.00 miles of sewer line extensions and approximately 710 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 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	-	-
Totals:	**7**	**$10,545,420**	**278**	**710**	**17.00**	**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

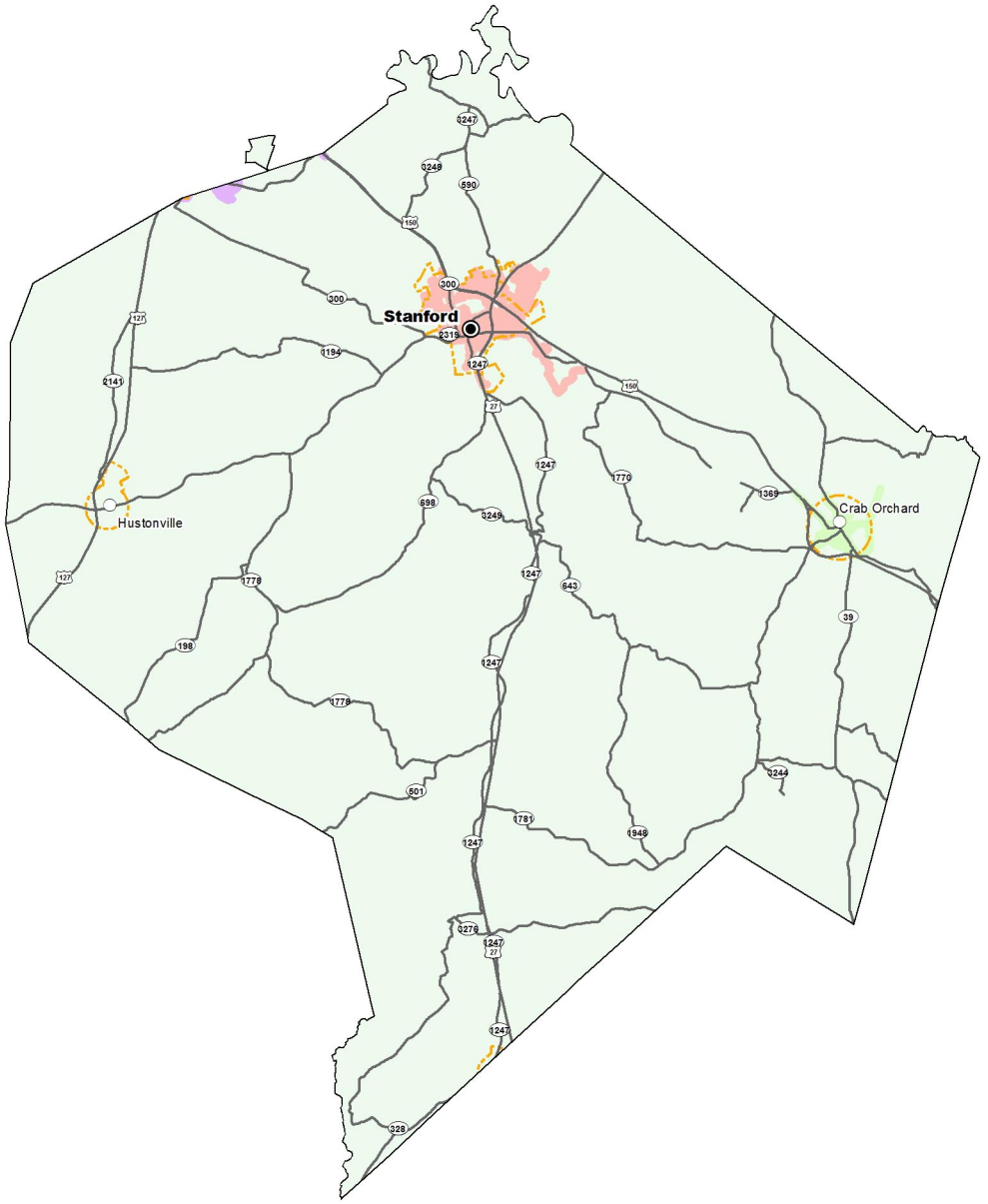
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LINCOLN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Crab Orchard Sewer Department

Permit ID	KY0065897	Treats Wastewater	Yes, 0.11 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	311
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)	41.240
Commercial Customers	29	Number of Manholes	180
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
SX21137020	Crab Orchard UV Replacement	0-2 Years	Not Funded	$275,000	Lincoln	11	1
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		

System Summary for Stanford Sewer Department

Permit ID	KY0024619	Treats Wastewater	Yes, 0.8 MGD with 0.84 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,957
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	1,760	Total Treated (MG)	417.600
Commercial Customers	196	Number of Manholes	1175
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).

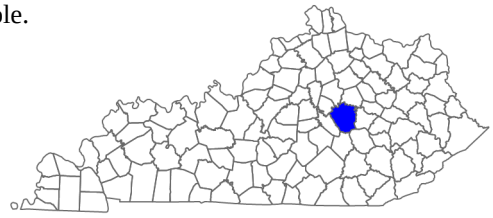
MG = Million Gallons.
MGD = Million Gallons per Day.

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	14	2
SX21137015	Stanford - US 27 South Sewer Expansion Project	0-2 Years	Not Funded	$5,326,420	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 325.28 miles of existing sewer lines.
- 124.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 54.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $22,704,854.
- 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 2,937 serviceable households will be added through the construction of 124.00 miles of sewer line extensions and approximately 626 instances of improved service through the rehabilitation of 5.00 miles of existing sewer lines and other appurtenances. 54.00 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	-	162	-	3.00	-
City of Richmond	7	$7,689,854	-	-	-	-	-
Northern Madison Sanitation District	17	$62,354,000	2,937	464	124.00	2.00	54.00
Totals:	**25**	**$71,643,854**	**2,937**	**626**	**124.00**	**5.00**	**54.00**

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	13,846	5,735
KY0102971	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,313	563
KY0056561	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	195	89
KYP000071	Northern Madison County Sanitation District - Greens Crossing	Madison	790	362
KY0105376	Northern Madison County Sanitation District - Regional Plant	Madison	2,662	1,028
KY0107107	Richmond Utilities - Otter Creek	Madison	31,848	13,957
KY0103357	Richmond Utilities - Silver Creek	Madison	378	215
		Totals:	51,032	21,949

Kentucky Infrastructure Authority
February 19, 2016

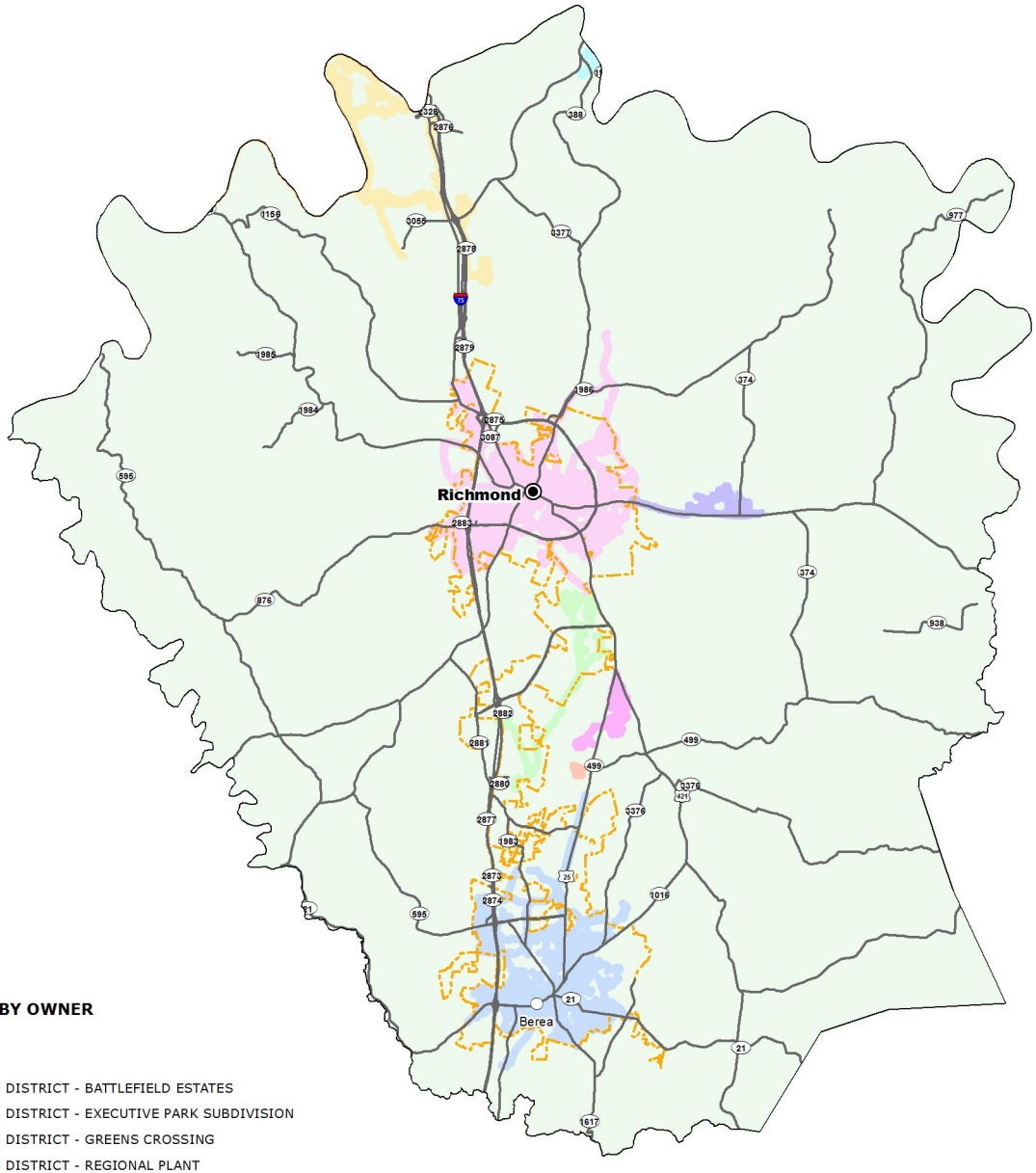
SEWER SERVICE AREAS
MADISON COUNTY
Kentucky

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

- 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 Arlington Association Inc

Permit ID	04027007	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 Arlington Association Inc

System Summary for Berea Sewer Department

Permit ID	KY0079898	Treats Wastewater	Yes, 4.32 MGD with 2.95 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,657
Owner Type	Incorporated City	KISOP Sender	No
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.25	Total KISOP Treated (MG)	-
Residential Customers	5,137	Total Treated (MG)	1,127.830
Commercial Customers	520	Number of Manholes	1850
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 = 94.30 miles (Collection: 92.33 miles, Interceptors: 1.97 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	19	2

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 Northern Madison County Sanitation District - Battlefield Estates

Permit ID	KY0102971	Treats Wastewater	Yes, 0.114 MGD with 0.072 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	472
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$59.80	Total KISOP Treated (MG)	-
Residential Customers	460	Total Treated (MG)	-
Commercial Customers	12	Number of Manholes	187
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 = 9.33 miles (Collection: 8.35 miles, Interceptors: 0.98 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	$1,275,000	Madison	23	4
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	71
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$59.80	Total KISOP Treated (MG)	-
Residential Customers	71	Total Treated (MG)	7.665
Commercial Customers	-	Number of Manholes	24
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 - Greens Crossing

Permit ID	KYP000071	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	326
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	16.400
Cost Per 4000 Gallons	$59.94	Total KISOP Treated (MG)	-
Residential Customers	315	Total Treated (MG)	14.248
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 = 10.23 miles (Collection: 7.01 miles, Interceptors: 3.21 miles).			

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

There are no immediate projects for Northern Madison County Sanitation District - Greens Crossing

System Summary for Northern Madison County Sanitation District - Regional Plant

Permit ID	KY0105376	Treats Wastewater	Yes, 1 MGD with 0.165 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	895
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$59.80	Total KISOP Treated (MG)	-
Residential Customers	865	Total Treated (MG)	64.240
Commercial Customers	30	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 = 32.67 miles (Collection: 28.16 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
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		
SX21151038	Ft. Bonnesboro Force Main & Pump Station	3-5 Years	Not Funded	$1,543,000	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		
SX21151022	Boone Village Wastewater Collection System	3-5 Years	Not Funded	$730,000	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 4.44 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	$42.96	Total KISOP Treated (MG)	16.400
Residential Customers	10,300	Total Treated (MG)	13.900
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 = 158.06 miles (Collection: 140.46 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
SX21151051	Water Street Stormwater Improvements, Phase 2	0-2 Years	Not Funded	$1,150,000	Madison		

System Summary for Richmond Utilities - Silver Creek

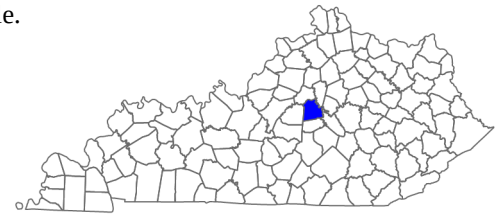
Permit ID	KY0103357	Treats Wastewater	Yes, 1 MGD with 0.25 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,500
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$42.96	Total KISOP Treated (MG)	-
Residential Customers	30	Total Treated (MG)	71.900
Commercial Customers	1,150	Number of Manholes	355
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	15	Percent Lines 20 yrs or Older	10%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 17.67 miles (Collection: 7.80 miles, Interceptors: 9.86 miles).			

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

There are no immediate projects for Richmond Utilities - Silver Creek

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 69.02 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.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $33,763,226.
- 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 511 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 3,753 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 Danville	1	$503,250	-	-	-	-	-
City of Harrodsburg	2	$22,969,300	-	3,753	-	4.00	-
Mercer County Sanitation District	2	$10,290,676	511	-	11.00	-	3.00
Totals:	**5**	**$33,763,226**	**511**	**3,753**	**11.00**	**4.00**	**3.00**

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	8,778	4,126
KYP000080	Mercer County Sanitation District	Mercer	402	211
		Totals:	9,180	4,337

Kentucky Infrastructure Authority
February 19, 2016

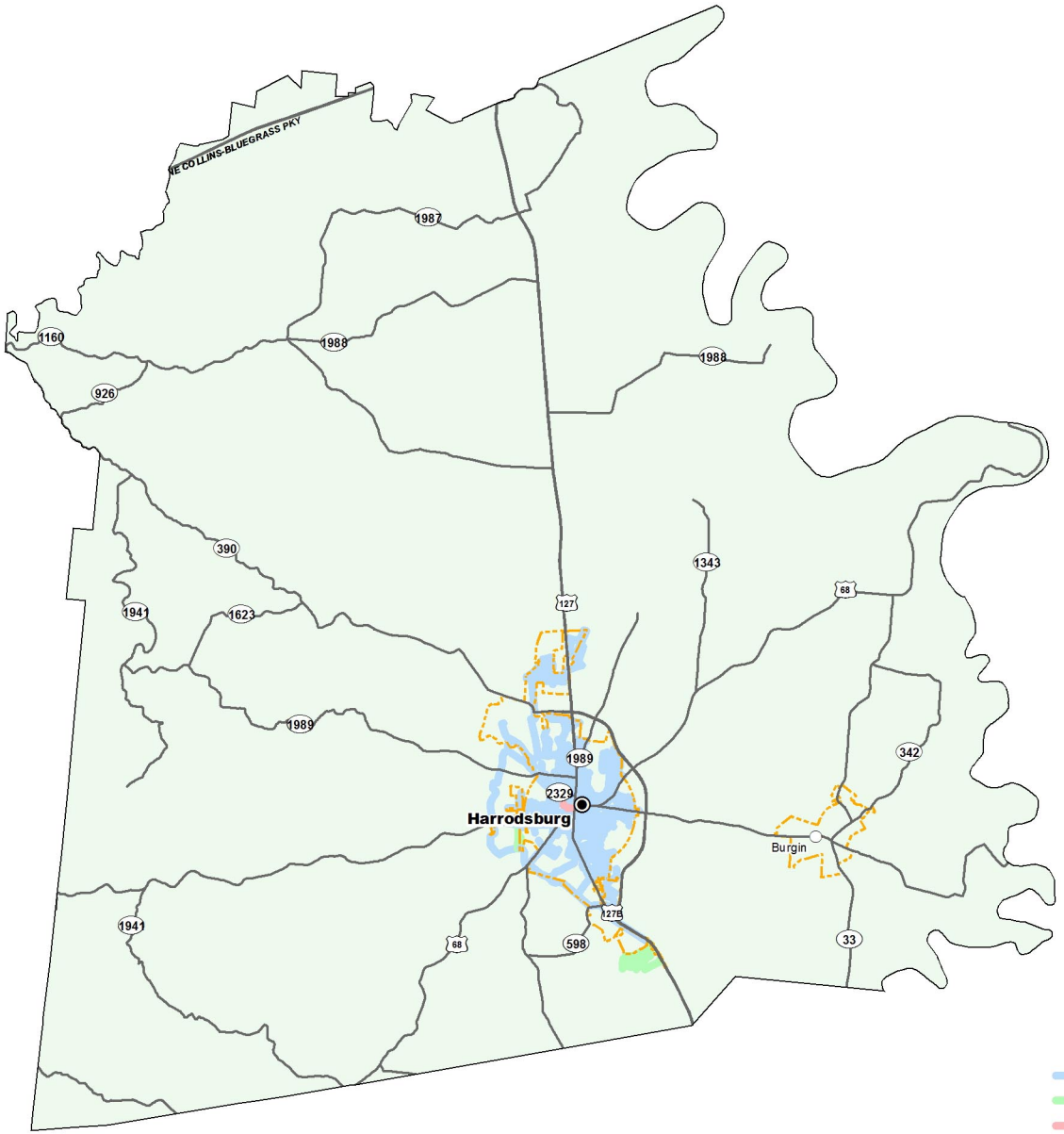
SEWER SERVICE AREAS
MERCER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Harrodsburg Sewer Department

Permit ID	KY0027421	Treats Wastewater	Yes, 2.68 MGD with 1.33 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3,661
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.69	Total KISOP Treated (MG)	19.895
Residential Customers	2,964	Total Treated (MG)	551.510
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 = 63.68 miles (Collection: 57.86 miles, Interceptors: 5.82 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21167022	Sanitary Sewer Rehabilitation 2015	0-2 Years	Partially Funded	$1,569,300	Mercer	26	3
SX21167003	Harrodsburg New Wastewater Treatment Plant	0-2 Years	Partially Funded	$21,400,000	Mercer		

System Summary for Mercer County Sanitation District

Permit ID	KYP000080	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	204
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	5	Total KISOP Sent (MG)	19.895
Cost Per 4000 Gallons	$53.00	Total KISOP Treated (MG)	-
Residential Customers	196	Total Treated (MG)	-
Commercial Customers	8	Number of Manholes	42
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 = 5.00 miles (Collection: 5.00 miles, Interceptors: 0.00 miles).

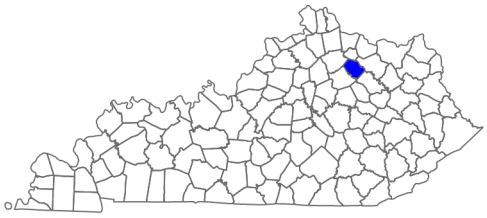
MG = Million Gallons.
MGD = Million Gallons per Day.

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	22	2
SX21167012	City of Burgin Sanitary Sewer Extension	0-2 Years	Partially Funded	$8,765,000	Mercer		

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 26.07 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 19, 2016

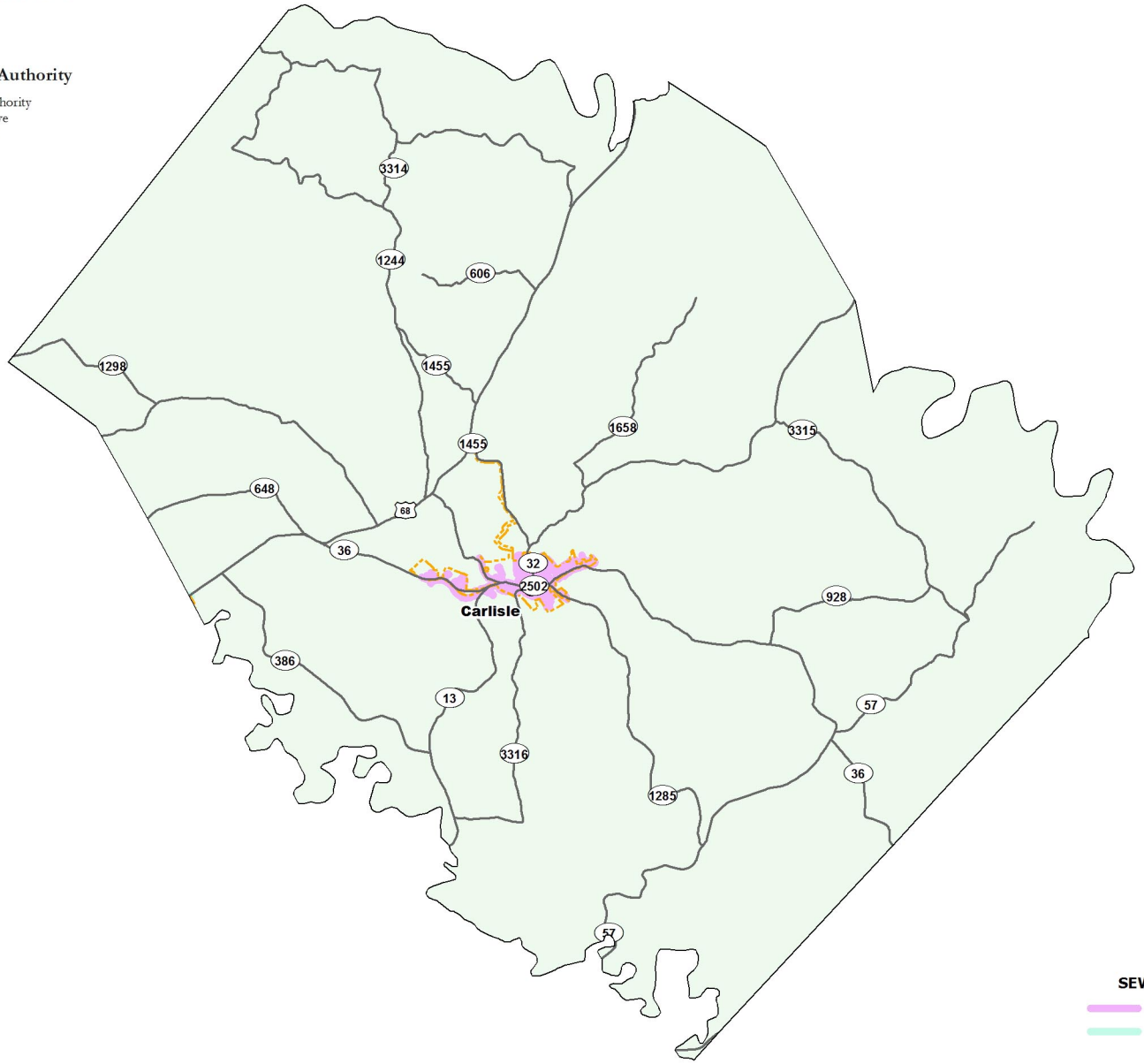
SEWER SERVICE AREAS
NICHOLAS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Carlisle Sewer Department

Permit ID	KY0020923	Treats Wastewater	Yes, 0.35 MGD with 0.28 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,074
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.46	Total KISOP Treated (MG)	-
Residential Customers	903	Total Treated (MG)	100.375
Commercial Customers	74	Number of Manholes	354
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 = 18.78 miles (Collection: 17.80 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 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)	2.435
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 = 7.21 miles (Collection: 7.21 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 51.61 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.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,627,139.
- Estimated funding needs for projects from 6 to 10 years: $2,364,000.

Powell County has a 2010 census population count of 12,613 (5,598 households) with a projected 2020 population count of 12,319 (4,860 households). Public sewer is currently available to approximately 34 percent of the county's households based on 2010 census counts. Over the next ten years approximately 342 serviceable households will be added through the construction of 10.00 miles of sewer line extensions and approximately 1,690 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 Clay City	3	$2,696,308	200	467	5.00	-	-
City of Stanton	2	$2,704,200	94	1,223	3.00	-	1.00
Powell County Fiscal Court	1	$205,631	18	-	1.00	-	-
Powell's Valley Water District	1	$385,000	30	-	1.00	-	-
Totals:	**7**	**$5,991,139**	**342**	**1,690**	**10.00**	**-**	**1.00**

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 WWTP	Powell	1,213	585
KY0104078	Powells Valley Water District Sewer Division	Powell	71	59
KY0034428	Red River Wastewater Authority	Powell	2,921	1,280
		Totals:	4,205	1,924

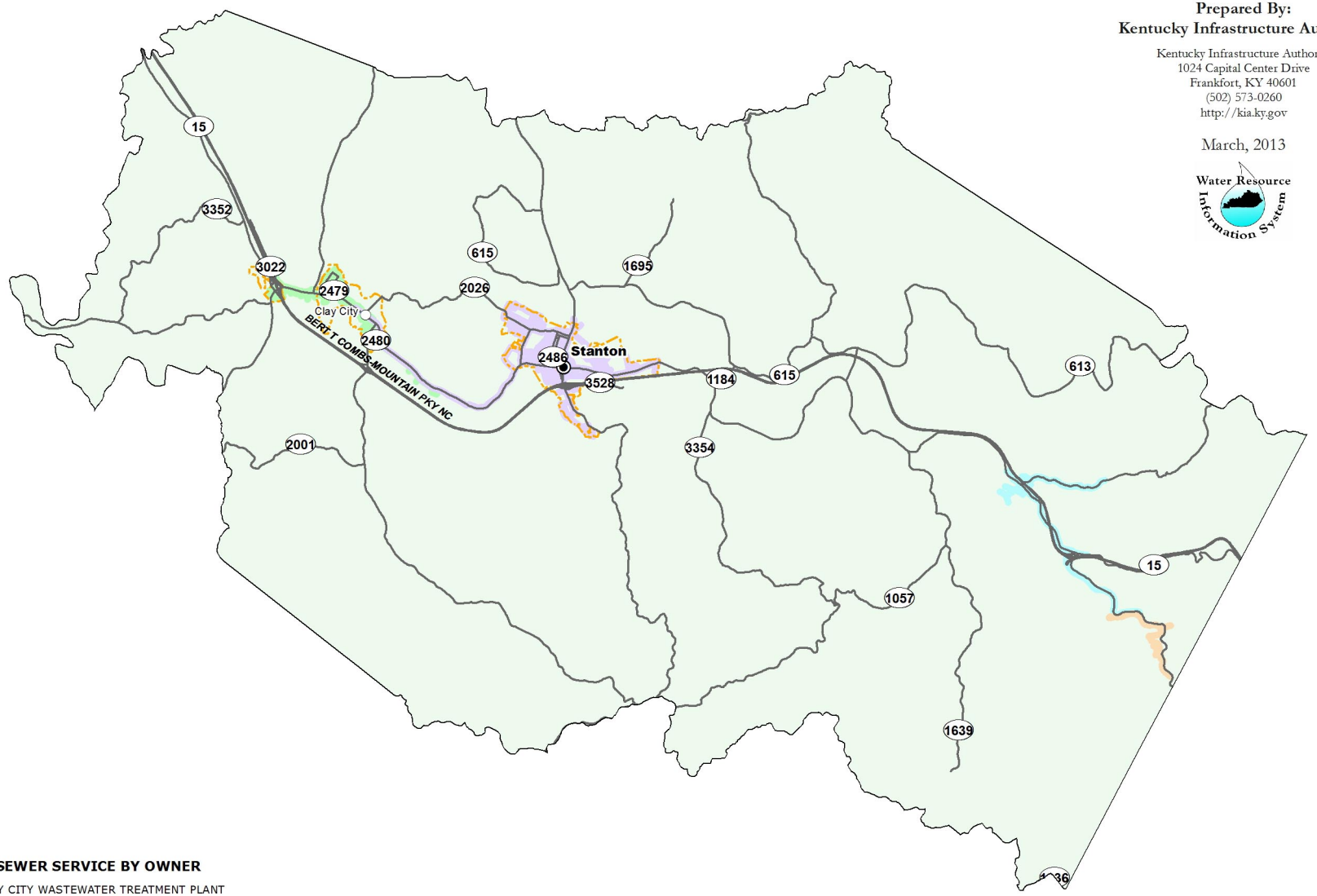
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
POWELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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 WWTP

Permit ID	KYP000084	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	450
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	76.625
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	0
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.

There are no immediate projects for Clay City WWTP

System Summary for Powells Valley Water District Sewer Division

Permit ID	KY0104078	Treats Wastewater	Yes, 0.08 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	106
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$50.24	Total KISOP Treated (MG)	-
Residential Customers	70	Total Treated (MG)	9.493
Commercial Customers	38	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		

System Summary for Red River Wastewater Authority

Permit ID	KY0034428	Treats Wastewater	Yes, 0.46 MGD with 0.53 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)	76.625
Residential Customers	-	Total Treated (MG)	202.900
Commercial Customers	-	Number of Manholes	325
Institutional Customers	-	Number of Lift Stations	25
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	1	Has Facility Plan	No

Total Collection System Line Length = 31.30 miles (Collection: 21.89 miles, Interceptors: 9.41 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	Not Funded	$1,954,200	Powell	25	2
SX21197010	Stanton SSES and Sewer Rehab	0-2 Years	Partially Funded	$750,000	Powell		
SX21197014	Clay City Business Park Sewer Extension Project	0-2 Years	Not Funded	$205,631	Powell		

System Summary for Stanton, City of

Permit ID	KYP000085	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.00	Total KISOP Treated (MG)	-
Residential Customers	989	Total Treated (MG)	-
Commercial Customers	191	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).			

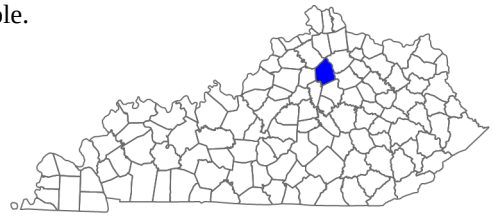
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for 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	Not Funded	$1,954,200	Powell	25	2

Scott County

- 2010 census population of 47,173 (19,303 households) with 68% serviceable.
- Projected 2020 population of 63,984 (change of 16,811).
- Scott County has 242.15 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.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,170,000.
- 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 68 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 1.00 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	$3,170,000	520	10,848	1.00	-	2.00
Totals:	**2**	**$3,170,000**	**520**	**10,848**	**1.00**	**-**	**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
		Totals:	31,845	13,091

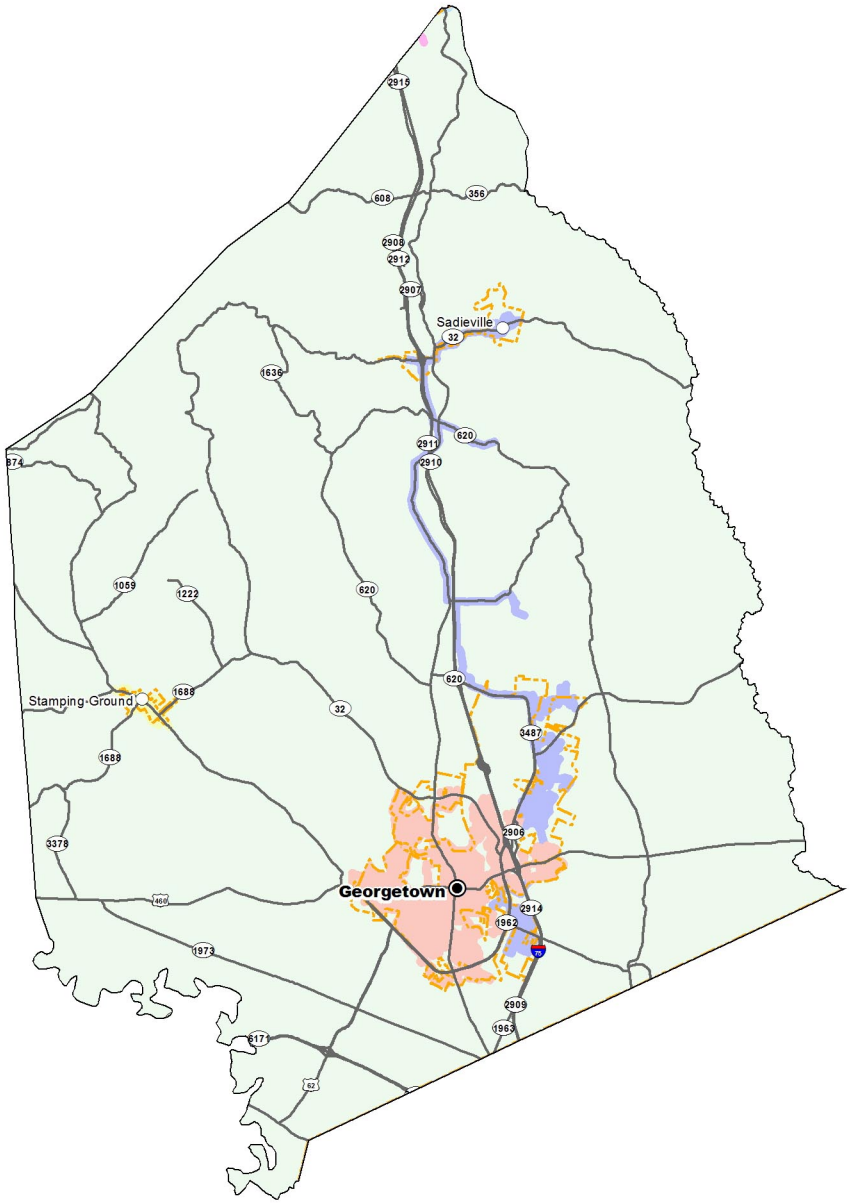
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
SCOTT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for GMWSS STP #1

Permit ID	KY0020150	Treats Wastewater	Yes, 4.5 MGD with 2.71 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	10,749
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	8,618	Total Treated (MG)	1,295.200
Commercial Customers	1,123	Number of Manholes	3943
Institutional Customers	-	Number of Lift Stations	33
Industrial Customers	8	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 173.45 miles (Collection: 145.92 miles, Interceptors: 27.53 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	$2,820,000	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 1.311 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,326
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	1,325	Total Treated (MG)	476.000
Commercial Customers	-	Number of Manholes	892
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: 42.80 miles, Interceptors: 19.05 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 0.062 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	254
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	225	Total Treated (MG)	23.240
Commercial Customers	29	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 = 6.61 miles (Collection: 6.23 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

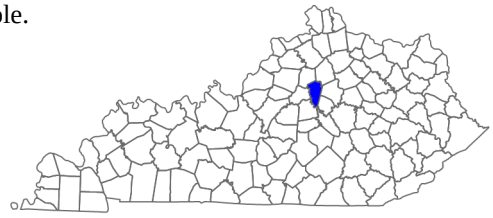
Permit ID	KY0081591	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total 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 = 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 Longview Land Company LLC

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 111.40 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: $31,471,990.
- 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 6,186 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	5	$29,881,990	600	5,486	15.00	-	-
Totals:	**8**	**$31,471,990**	**600**	**6,186**	**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	1,723	752
KY0020621	Versailles Municipal Wastewater	Woodford	15,614	6,547
		Totals:	17,337	7,299

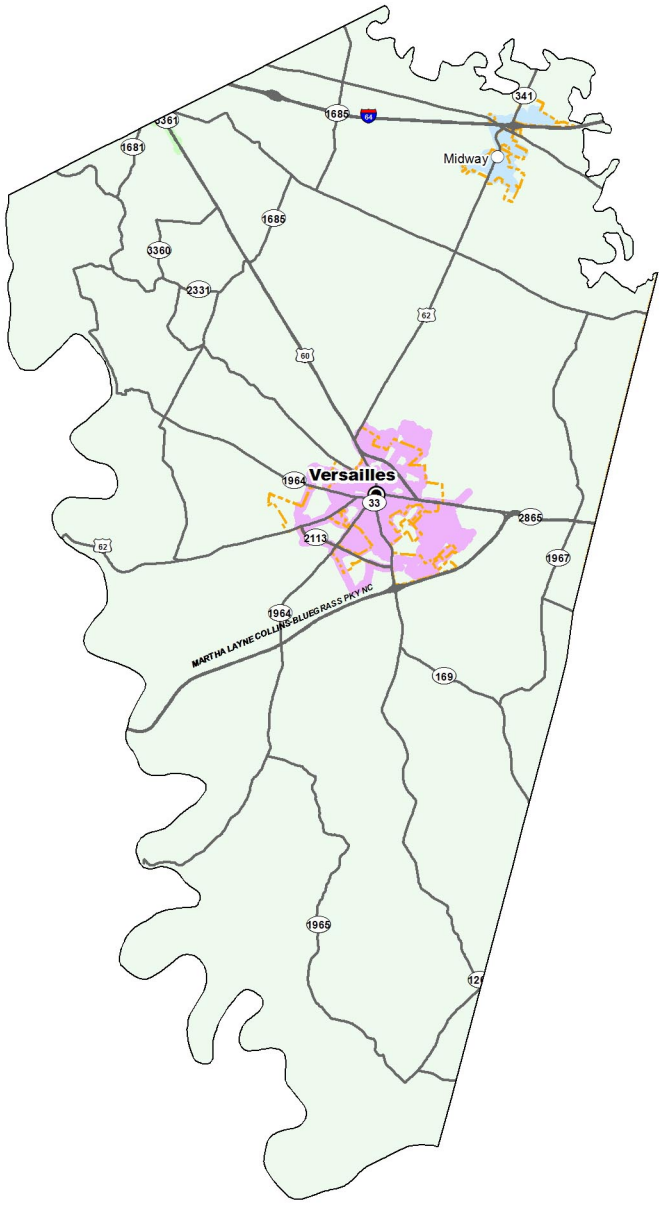
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
WOODFORD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Midway Sewer Department

Permit ID	KY0028410	Treats Wastewater	Yes, 0.75 MGD with 0.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	717
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)	27.000
Commercial Customers	44	Number of Manholes	178
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 = 12.74 miles (Collection: 11.95 miles, Interceptors: 0.79 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	32	12
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 University of Ky - Animal Research Center

Permit ID	04013141	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 University of Ky - Animal Research Center

System Summary for Versailles Municipal Wastewater

Permit ID	KY0020621	Treats Wastewater	Yes, 3 MGD with 2.59 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	6,318
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.85	Total KISOP Treated (MG)	-
Residential Customers	5,100	Total Treated (MG)	937.000
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).			

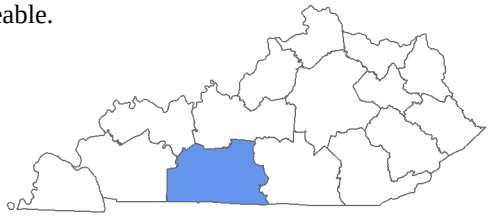
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21239010	Versailles Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	$20,911,190	Woodford	36	3
SX21239006	Southeast Sewer System Expansion	3-5 Years	Not Funded	$3,996,000	Woodford		
SX21239008	Ultra-Violet Disinfection and Improvements At The Wastewater Treatment Plant	0-2 Years	Not Funded	$2,000,000	Woodford		
SX21239012	Sanitary Sewer System Rehabilitation - Phase 3	0-2 Years	Not Funded	$1,974,800	Woodford		
SX21239005	Emergency Backup Power to Serve The WWTP	0-2 Years	Not Funded	$1,000,000	Woodford		

Barren River Area Development District (BRADD)

- 2010 census population of 284,195 (126,280 households) with 44% serviceable.
- Projected 2020 population of 316,297 (change of 32,102).
- 979.40 miles of existing sewer lines.
- 148.00 miles of line extensions proposed in the next 10 years.
- 36.00 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: $143,731,034.
- Estimated funding needs for projects from 6 to 10 years: $12,078,000.
- Average age of wastewater treatment plants is 35 years.
- Total number of interconnected systems is 1.
- 209 miles of sewer lines less than 15 years old.
- 210 miles of sewer lines between 15 and 30 years old.
- 490 miles of sewer lines between 31 and 50 years old.
- 60 miles of sewer lines between 51 and 70 years old.
- 8 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 44 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,920 serviceable households will be added through the construction of 148.00 miles of sewer line extensions and approximately 21,124 instances of improved service through the rehabilitation of 36.00 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	2,043	22%	$ 9,400,000
Barren	42,173	19,188	46,361	19,245	8,862	46%	$ 27,151,500
Butler	12,690	5,877	12,544	5,178	1,096	19%	$ 5,611,940
Edmonson	12,161	6,467	12,628	5,283	636	10%	$ 11,158,771
Hart	18,199	8,559	18,690	7,604	2,369	28%	$ 8,442,620
Logan	26,835	12,339	27,382	11,301	4,859	39%	$ 40,037,759
Metcalfe	10,099	4,681	10,329	4,306	810	17%	$ 1,375,000
Monroe	10,963	5,204	10,405	4,423	1,537	30%	$ 2,013,000
Simpson	17,327	7,435	18,342	7,429	4,437	60%	$ 29,757,444
Warren	113,792	47,223	137,250	54,299	29,328	62%	$ 20,861,000
Totals	**284,195**	**126,280**	**316,297**	**128,239**	**55,977**	**44%**	**$ 155,809,034**

Kentucky Infrastructure Authority
February 19, 2016

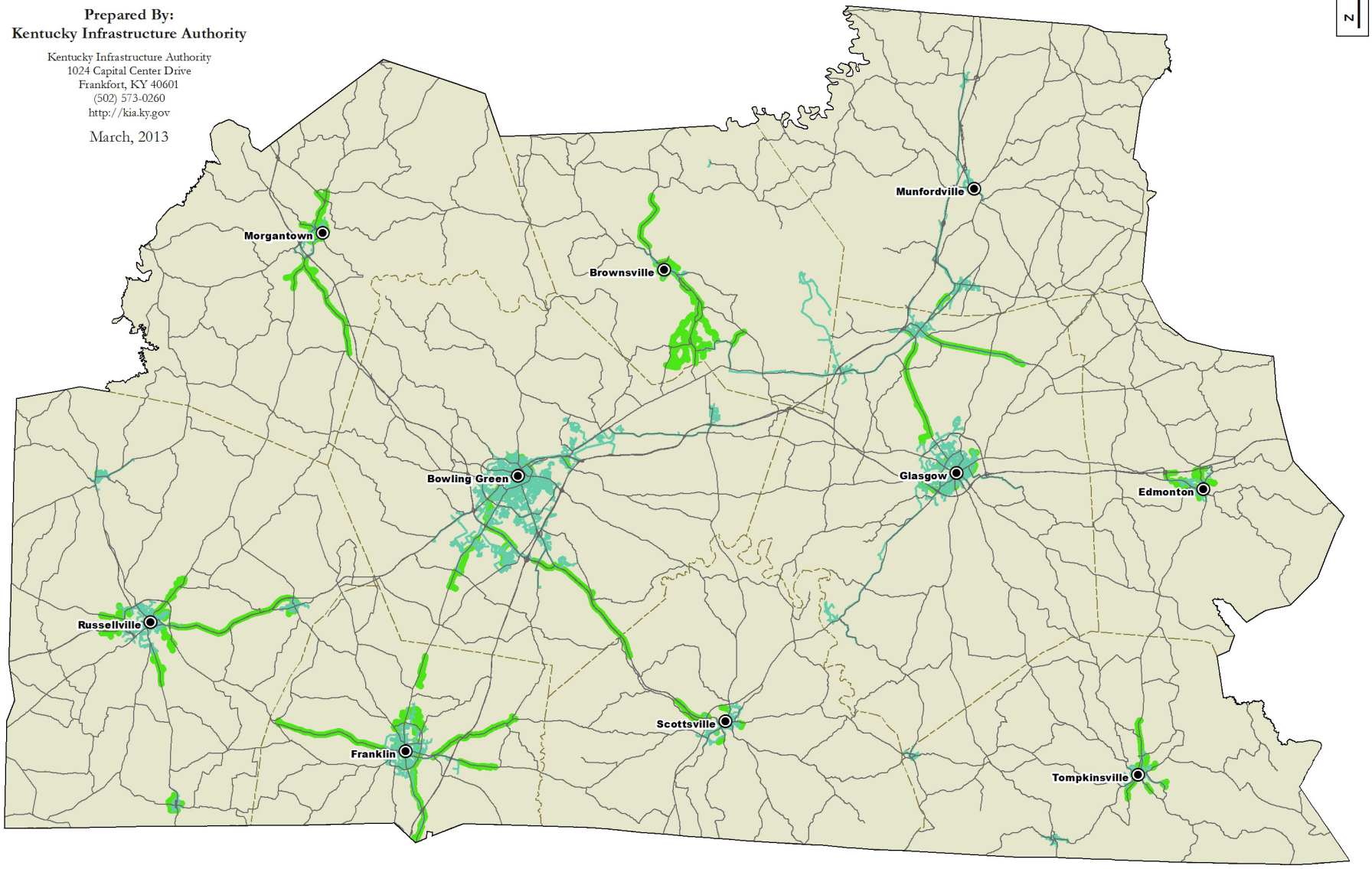
EXISTING & PROPOSED SEWER LINES

BRADD

Prepared By:
Kentucky Infrastructure Authority

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

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	4,154	2,043
KY0021164	Glasgow Water Company	Barren	15,071	7,238
KY0021024	Morgantown Utilities	Butler	2,394	1,096
KY0023396	Brownsville Municipal Water & Sewer	Edmonson	813	409
KY0091561	Caveland Environmental Authority	Hart	7,130	3,422
KY0031755	Munfordville Municipal Water/Sewer Commission	Hart	1,585	781
KY0020885	Adairville Sewer Department	Logan	890	432
KY0021202	Auburn Sewer Department	Logan	1,413	662
KY0024881	Lewisburg Municipal Water & Sewer Department	Logan	853	458
KY0020877	Russellville Municipal Sewer Department	Logan	6,821	3,307
KY0028100	Edmonton Water Works	Metcalfe	1,597	810
KIA171001	Fountain Run Water District #1	Monroe	228	134
KY0095257	Gamaliel Municipal Water & Wastewater Department	Monroe	469	221
KY0020702	Tompkinsville Sewer Department	Monroe	2,375	1,184
KY0027456	Franklin Sewer Department	Simpson	10,083	4,437
KY0022403	Bowling Green Municipal Utilities	Warren	54,421	23,172
KYP000032	Warren County Water District	Warren	15,078	6,156
		Totals:	125,375	55,962

Project Rankings For Barren River Area Development District

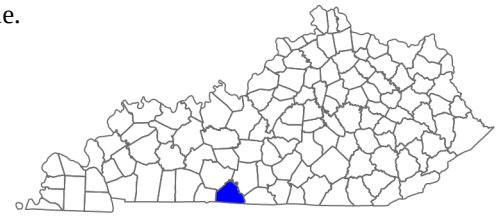
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21213028	City of Franklin - Sewer Upgrades to Ky Downs	3-5 Years	Partially Funded	$9,650,000	Simpson	1	1
SX21171014	Fountain Run Water District #1 - Sewer System Improvements	0-2 Years	Partially Funded	$370,000	Monroe	2	1
SX21141048	City of Auburn - Upgrade of Existing Wastewater Treatment Plant	3-5 Years	Partially Funded	$4,000,000	Logan	3	1
SX21099023	Horse Cave Regional Water Replacement Facility Expansion Project	0-2 Years	Not Funded	$5,342,000	Hart	4	1
SX21061005	ECWD - Phase II Collection System	0-2 Years	Fully Funded	$1,710,000	Edmonson	5	1
SX21009034	Glasgow Wastewater Improvement - Gravity Sewer Gorin Park to East Brook Trailer Park	3-5 Years	Not Funded	$750,000	Barren	6	1
SX21031009	Morgantown - Sewer Main Infrastructure Replacement/Repair to Sewer Main	3-5 Years	Not Funded	$500,000	Butler	7	1
SX21169007	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	$400,000	Metcalfe	8	1
SX21227030	WCWD - Hwy 68 West Lift Station Upgrade	0-2 Years	Not Funded	$500,000	Warren	9	1
SX21003036	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	$400,000	Allen	10	1
SX21213032	City of Franklin - Sunset Circle Sewer Project	0-2 Years	Not Funded	$400,000	Simpson	11	2
SX21009044	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	$1,000,000	Barren	12	2
SX21031010	Morgantown - Sanitary Sewer Infiltration Project-Phase I	3-5 Years	Not Funded	$300,000	Butler	13	3
SX21099021	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	$1,450,000	Hart	14	2
SX21141035	Russellville - Hwy 431 South Sewer Project	3-5 Years	Not Funded	$4,150,000	Logan	15	2
SX21171003	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	$1,000,000	Monroe	16	2
SX21169011	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	$350,000	Metcalfe	17	2
SX21061007	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	$3,315,000	Edmonson	18	2
SX21003022	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	$1,250,000	Allen	19	2
SX21227074	BGMU - Industrial Dr Interceptor	3-5 Years	Not Funded	$8,000,000	Warren	20	2
SX21141045	Adairville Wastewater System Improvements	3-5 Years	Partially Funded	$733,759	Logan	21	3
SX21099022	City of Munfordville - Sewer Extensions and Pump Station Rehabilitations	3-5 Years	Not Funded	$1,250,620	Hart	22	3
SX21213031	City of Franklin - High St Sewer Project	0-2 Years	Not Funded	$1,133,750	Simpson	23	3
SX21009024	Glasgow Wastewater Improvement - Gravity Sewer Line Shane Drive/Rogers Road	0-2 Years	Not Funded	$425,000	Barren	24	3
SX21171018	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	$193,000	Monroe	25	3
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	$7,843,771	Edmonson	26	3
SX21169005	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	$25,000	Metcalfe	27	3
SX21003021	Scottsville - 980 & US231 Sewer Line Connection	0-2 Years	Not Funded	$500,000	Allen	28	3
SX21031008	BCWS - Needmore Area Sewers	0-2 Years	Not Funded	$1,200,000	Butler	29	2
SX21227027	WCWD - Sckip Lift Station Upgrade	3-5 Years	Not Funded	$125,000	Warren	30	3
SX21171013	City of Tompkinsville - East Industrial Park Sewer Improvements	3-5 Years	Fully Funded	$100,000	Monroe	31	4
SX21213035	City of Franklin - Morgantown Rd Sewer Project	0-2 Years	Not Funded	$4,045,000	Simpson	32	4
SX21141042	City of Lewisburg - Line C Collection System Replacement	3-5 Years	Not Funded	$62,000	Logan	33	4

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21009049	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	$505,000	Barren	34	4
SX21003024	Scottsville - 231 Sewer Extension	0-2 Years	Not Funded	$3,000,000	Allen	35	4
SX21099006	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	$400,000	Hart	36	4
SX21169012	Edmonton - Old Glasgow Street Area Extension	3-5 Years	Not Funded	$300,000	Metcalfe	37	4
SX21031006	Morgantown - Sawmill Road Sewer Extension	3-5 Years	Not Funded	$80,000	Butler	38	5
SX21227081	Patton Drive and Lost River Cove Pump Station Renovation	0-2 Years	Not Funded	$250,000	Warren	39	4
SX21141036	Russellville - Franklin Road Sewer Project	3-5 Years	Not Funded	$1,020,000	Logan	40	5
SX21009048	Glasgow WWTP Improvement - Upgrade Plant From 4Mgd to 6Mgd	3-5 Years	Not Funded	$9,994,000	Barren	41	5
SX21171008	City of Tompkinsville - Sewer Extension to Joe Harrison Carter School	3-5 Years	Not Funded	$450,000	Monroe	42	5
SX21003035	City of Scottsville - Cherokee Drive Sewerline Relocation Project	0-2 Years	Not Funded	$200,000	Allen	43	5
SX21031003	Hwy 231/Hwy 79S Area Sewer	3-5 Years	Not Funded	$1,611,500	Butler	44	4
SX21213017	City of Franklin - North Franklin Sewer Line Extensions	0-2 Years	Not Funded	$6,074,462	Simpson	45	5
SX21169008	Edmonton - River Road Project Extension	3-5 Years	Not Funded	$300,000	Metcalfe	46	5
SX21227059	WCWD - Memphis Junction Lift Station Upgrade	3-5 Years	Not Funded	$1,243,000	Warren	47	5
			Total Cost:	**$87,901,862**			

Allen County

- 2010 census population of 19,956 (9,307 households) with 22% serviceable.
- Projected 2020 population of 22,366 (change of 2,410).
- Allen County has 35.63 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.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,750,000.
- 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 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 180 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 4,404 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 Scottsville	11	$8,200,000	180	4,404	6.00	-	-
Warren County Water District	1	$1,200,000	-	-	-	-	-
Totals:	**12**	**$9,400,000**	**180**	**4,404**	**6.00**	**-**	**-**

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	4,154	2,043
		Totals:	4,154	2,043

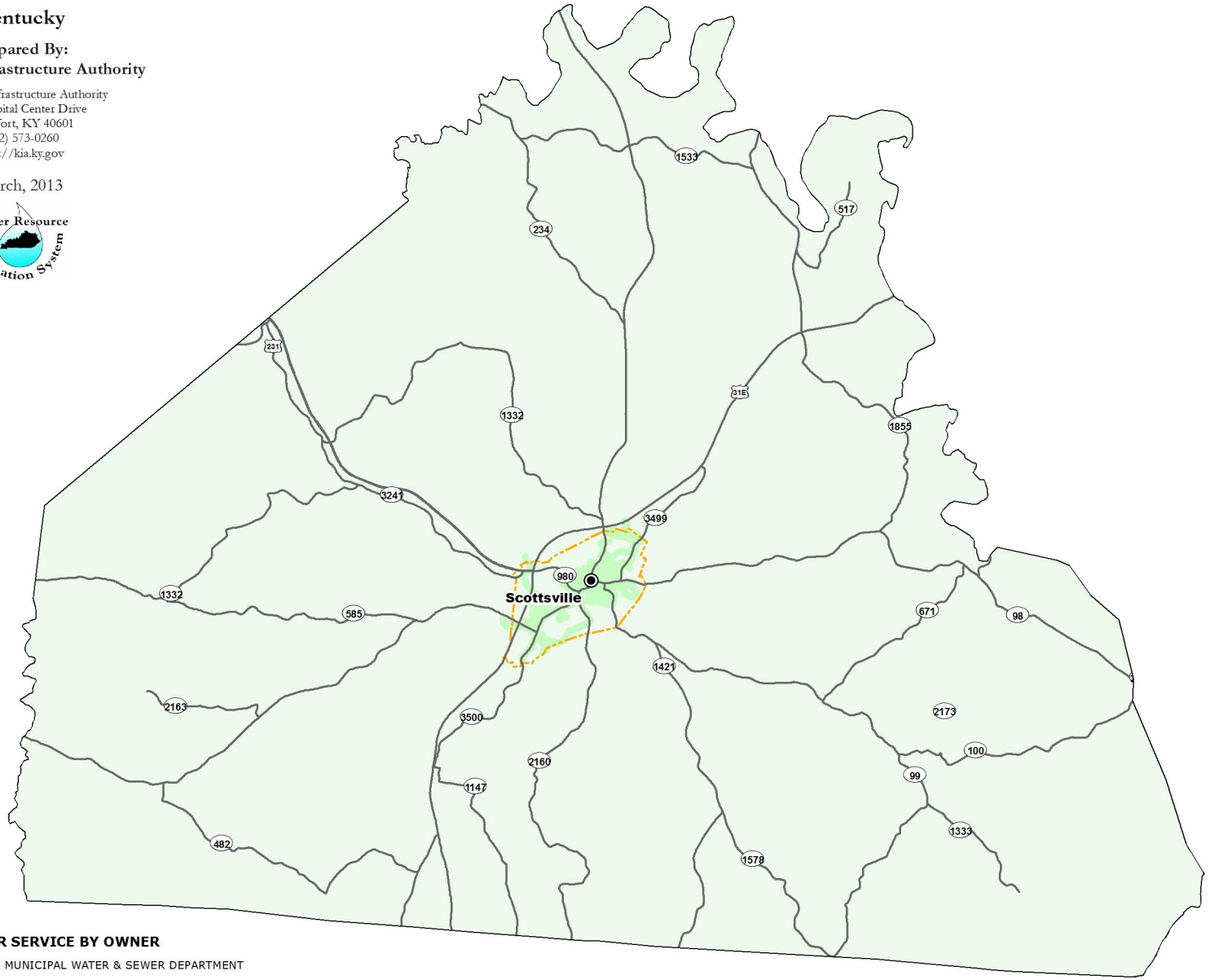
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
ALLEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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 0.67 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,813
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$12.60	Total KISOP Treated (MG)	-
Residential Customers	1,523	Total Treated (MG)	241.000
Commercial Customers	236	Number of Manholes	478
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 = 35.63 miles (Collection: 35.61 miles, Interceptors: 0.01 miles).			

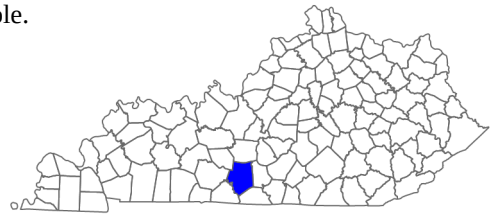
MG = Million Gallons.
MGD = Million Gallons per Day.

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	$400,000	Allen	10	1
SX21003022	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	$1,250,000	Allen	19	2
SX21003021	Scottsville - 980 & US231 Sewer Line Connection	0-2 Years	Not Funded	$500,000	Allen	28	3
SX21003024	Scottsville - 231 Sewer Extension	0-2 Years	Not Funded	$3,000,000	Allen	35	4
SX21003035	City of Scottsville - Cherokee Drive Sewerline Relocation Project	0-2 Years	Not Funded	$200,000	Allen	43	5
SX21003023	Scottsville - New Glasgow Rd Sewer Line	0-2 Years	Not Funded	$750,000	Allen		
SX21003011	City of Scottsville - South Court Street Sewer Rehab	3-5 Years	Not Funded	$750,000	Allen		
SX21003018	City of Scottsville - Pump Station Telemetry Project	6-10 Years	Not Funded	$650,000	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 46% serviceable.
- Projected 2020 population of 46,361 (change of 4,188).
- Barren County has 190.39 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: $27,151,500.
- 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 46 percent of the county's households based on 2010 census counts. Over the next ten years approximately 5,786 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			
Caveland Environmental Authority	4	$7,747,000	-	155	-	7.00	-
City of Glasgow	1	$5,500,000	-	5,500	-	-	3.00
Glasgow Water and Sewer Commission	6	$13,904,500	-	131	-	3.00	-
Totals:	**11**	**$27,151,500**	**-**	**5,786**	**-**	**10.00**	**3.00**

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
KY0021164	Glasgow Water Company	Barren	15,071	7,238
KY0091561	Caveland Environmental Authority	Hart	3,338	1,622
		Totals:	18,409	8,860

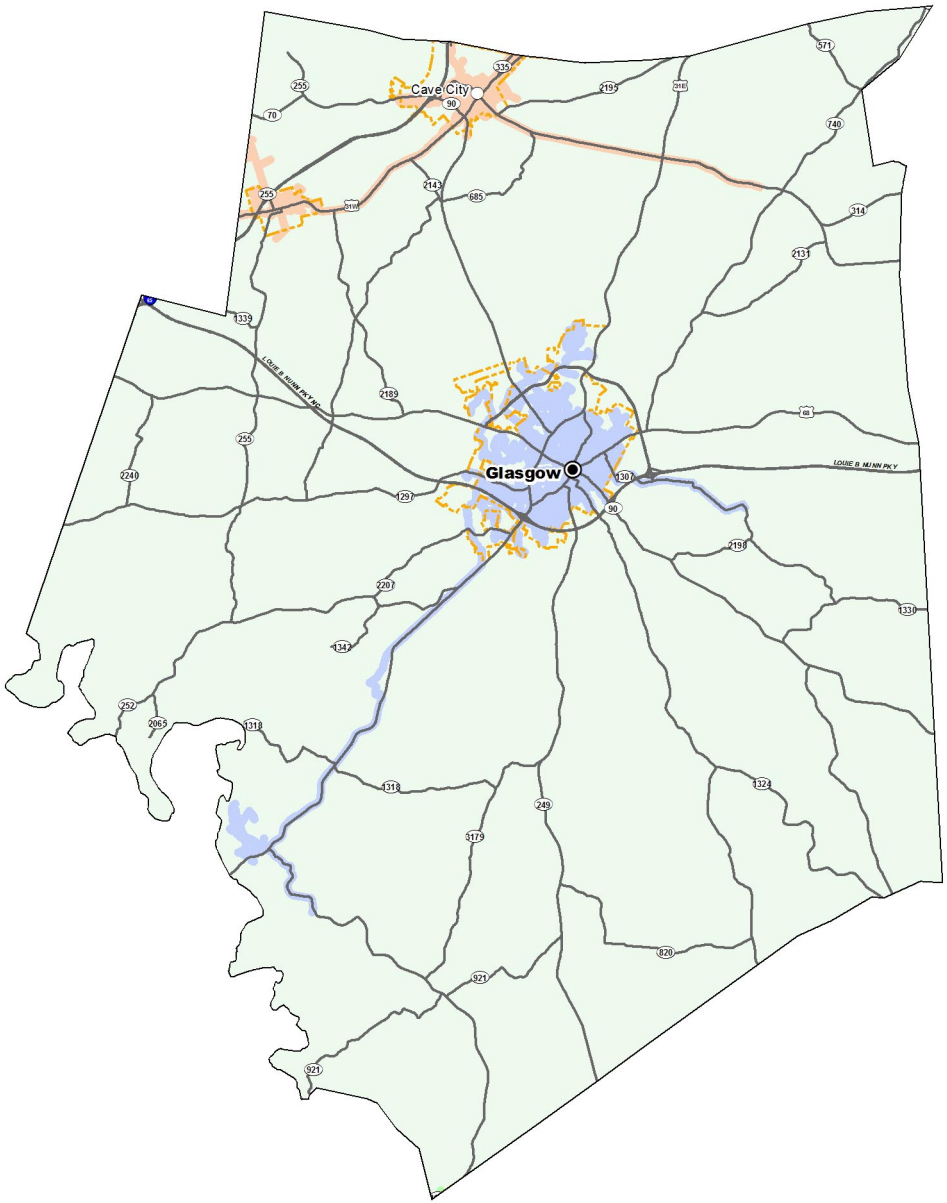
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BARREN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Glasgow Water Company

Permit ID	KY0021164	Treats Wastewater	Yes, 4 MGD with 1.8 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	$19.05	Total KISOP Treated (MG)	-
Residential Customers	5,053	Total Treated (MG)	893.155
Commercial Customers	862	Number of Manholes	2776
Institutional Customers	-	Number of Lift Stations	28
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: 144.06 miles, Interceptors: 1.20 miles).

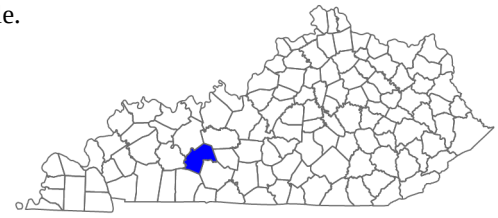
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21009034	Glasgow Wastewater Improvement - Gravity Sewer Gorin Park to East Brook Trailer Park	3-5 Years	Not Funded	$750,000	Barren	6	1
SX21009024	Glasgow Wastewater Improvement - Gravity Sewer Line Shane Drive/Rogers Road	0-2 Years	Not Funded	$425,000	Barren	24	3
SX21009048	Glasgow WWTP Improvement - Upgrade Plant From 4Mgd to 6Mgd	3-5 Years	Not Funded	$9,994,000	Barren	41	5
SX21009018	Glasgow Southside Interceptor Project	0-2 Years	Partially Funded	$5,500,000	Barren		
SX21009042	Glasgow WWTP Improvement - Rehabilitate Secondary Clarifiers	0-2 Years	Not Funded	$2,029,000	Barren		
SX21009037	Glasgow - Simental-Herford	0-2 Years	Not Funded	$375,000	Barren		
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 19.15 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 344 serviceable households will be added through the construction of 18.00 miles of sewer line extensions and approximately 751 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	338	-	17.00	-	-
City of Morgantown	5	$989,840	6	751	1.00	10.00	-
Totals:	**9**	**$5,611,940**	**344**	**751**	**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	2,394	1,096
		Totals:	2,394	1,096

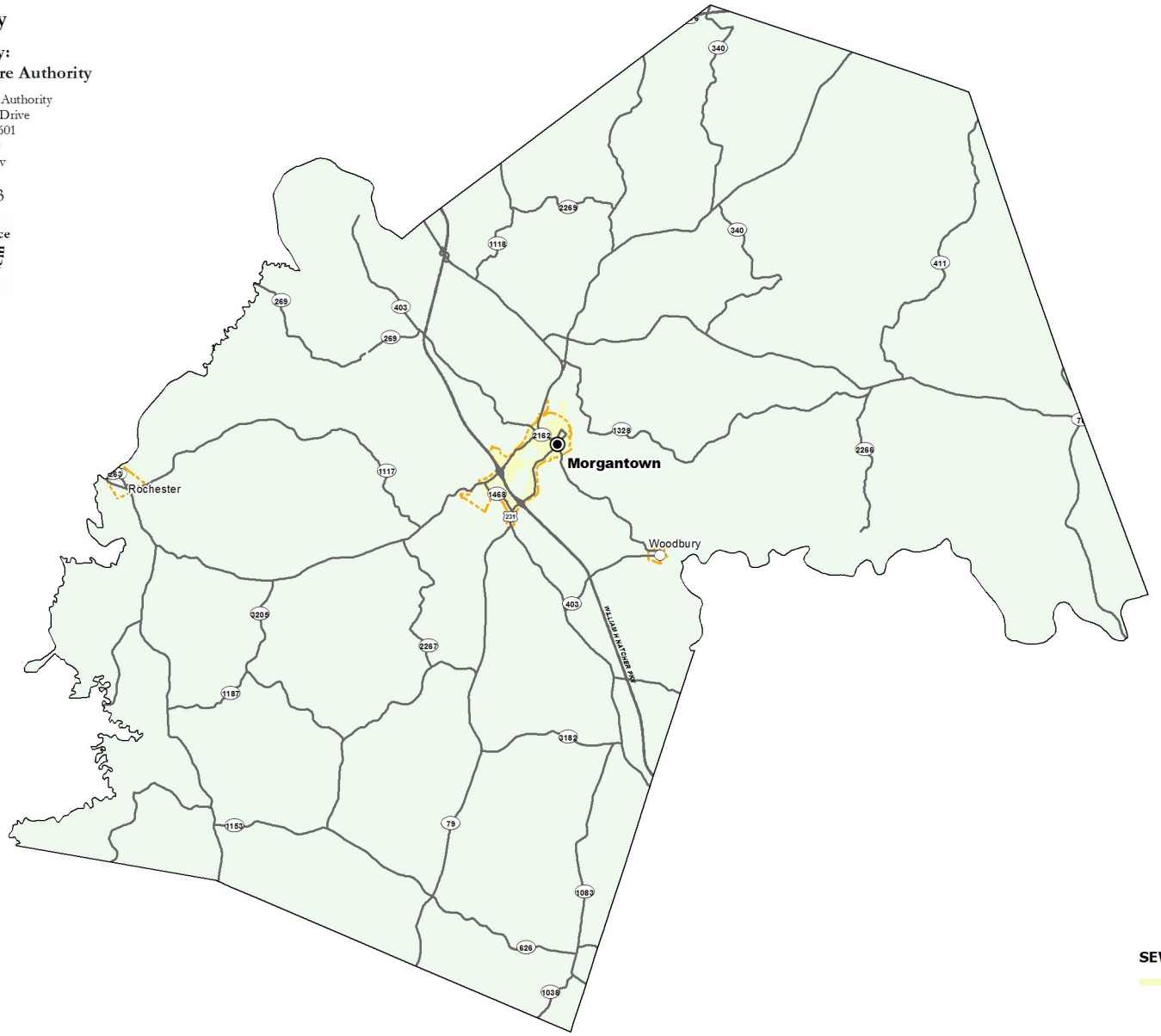
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BUTLER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Morgantown Utilities

Permit ID	KY0021024	Treats Wastewater	Yes, 0.5 MGD with 0.45 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	824
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	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 = 19.05 miles (Collection: 18.77 miles, Interceptors: 0.27 miles).

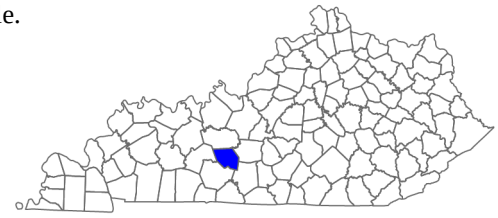
MG = Million Gallons.
MGD = Million Gallons per Day.

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	7	1
SX21031010	Morgantown - Sanitary Sewer Infiltration Project-Phase I	3-5 Years	Not Funded	$300,000	Butler	13	3
SX21031008	BCWS - Needmore Area Sewers	0-2 Years	Not Funded	$1,200,000	Butler	29	2
SX21031006	Morgantown - Sawmill Road Sewer Extension	3-5 Years	Not Funded	$80,000	Butler	38	5
SX21031003	Hwy 231/Hwy 79S Area Sewer	3-5 Years	Not Funded	$1,611,500	Butler	44	4
SX21031002	Aberdeen Area Sewer - Butler County Water System	3-5 Years	Not Funded	$1,394,800	Butler		
SX21031004	Logansport Area Sewer- Butler County Water System	3-5 Years	Not Funded	$415,800	Butler		
SX21031005	Morgantown - North Taylor Street Sewer Extension	3-5 Years	Not Funded	$72,000	Butler		
SX21031011	City of Morgantown - Sanitary Sewer Extension - Hwy 231	3-5 Years	Not Funded	$37,840	Butler		

Edmonson County

- 2010 census population of 12,161 (6,467 households) with 10% serviceable.
- Projected 2020 population of 12,628 (change of 467).
- Edmonson County has 31.52 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 10 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	813	409
KY0091561	Caveland Environmental Authority	Hart	504	213
		Totals:	1,317	622

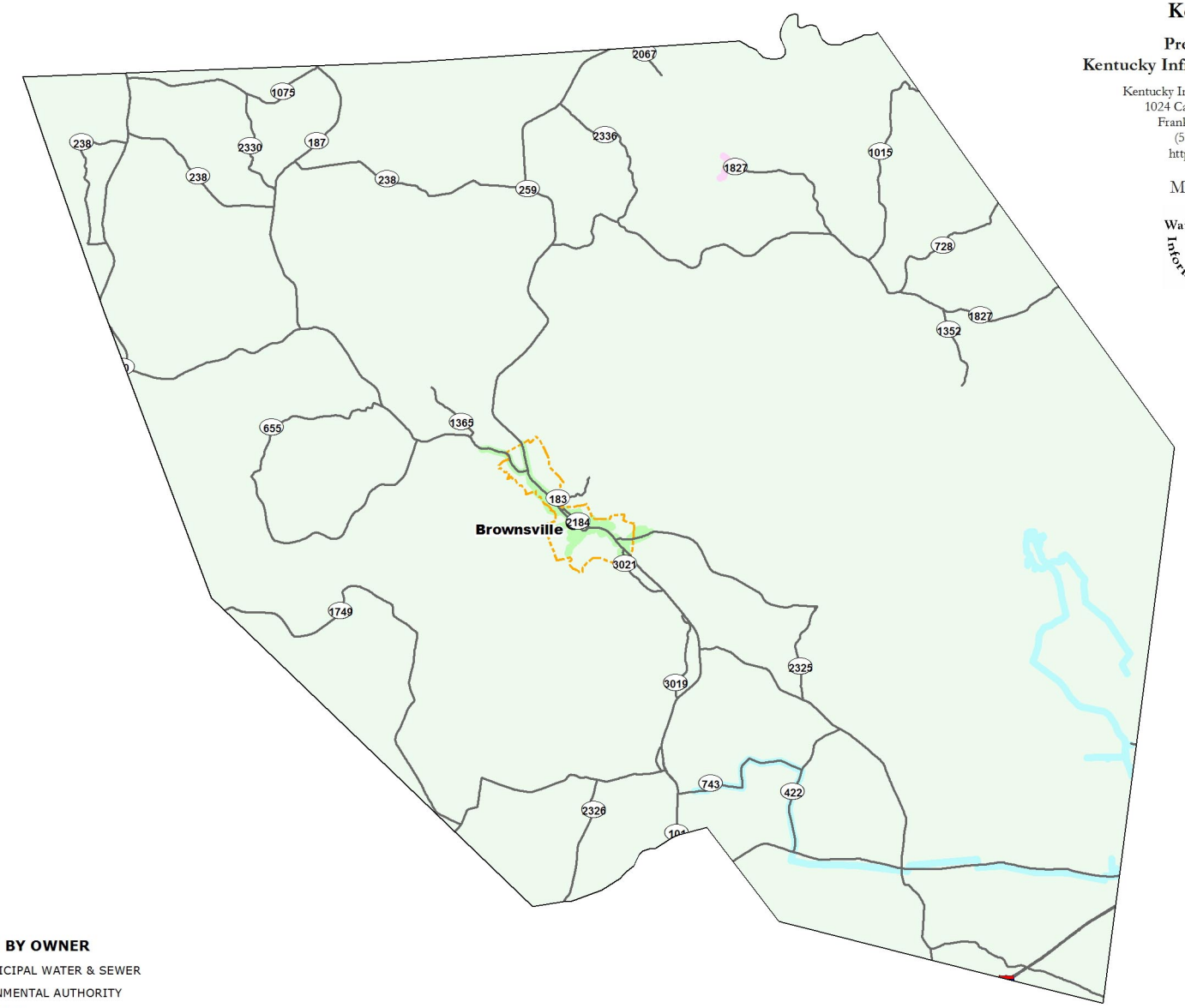
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
EDMONSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	480
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	388	Total Treated (MG)	32.850
Commercial Customers	86	Number of Manholes	116
Institutional Customers	6	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 55% Constructed
Total Collection System Line Length = 7.80 miles (Collection: 7.71 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
SX21061007	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	$3,315,000	Edmonson	18	2
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	$7,843,771	Edmonson	26	3

System Summary for Edmonson Co Water Collection

Permit ID	KYP000088	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	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 = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Edmonson Co Water Collection

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 60.45 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: $8,442,620.
- 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 35 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 3,422 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			
Caveland Environmental Authority	2	$5,742,000	5	3,422	1.00	-	-
City of Munfordville	2	$2,700,620	30	-	2.00	-	-
Totals:	**4**	**$8,442,620**	**35**	**3,422**	**3.00**	**-**	**-**

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	3,288	1,587
KY0031755	Munfordville Municipal Water/Sewer Commission	Hart	1,585	781
		Totals:	4,873	2,368

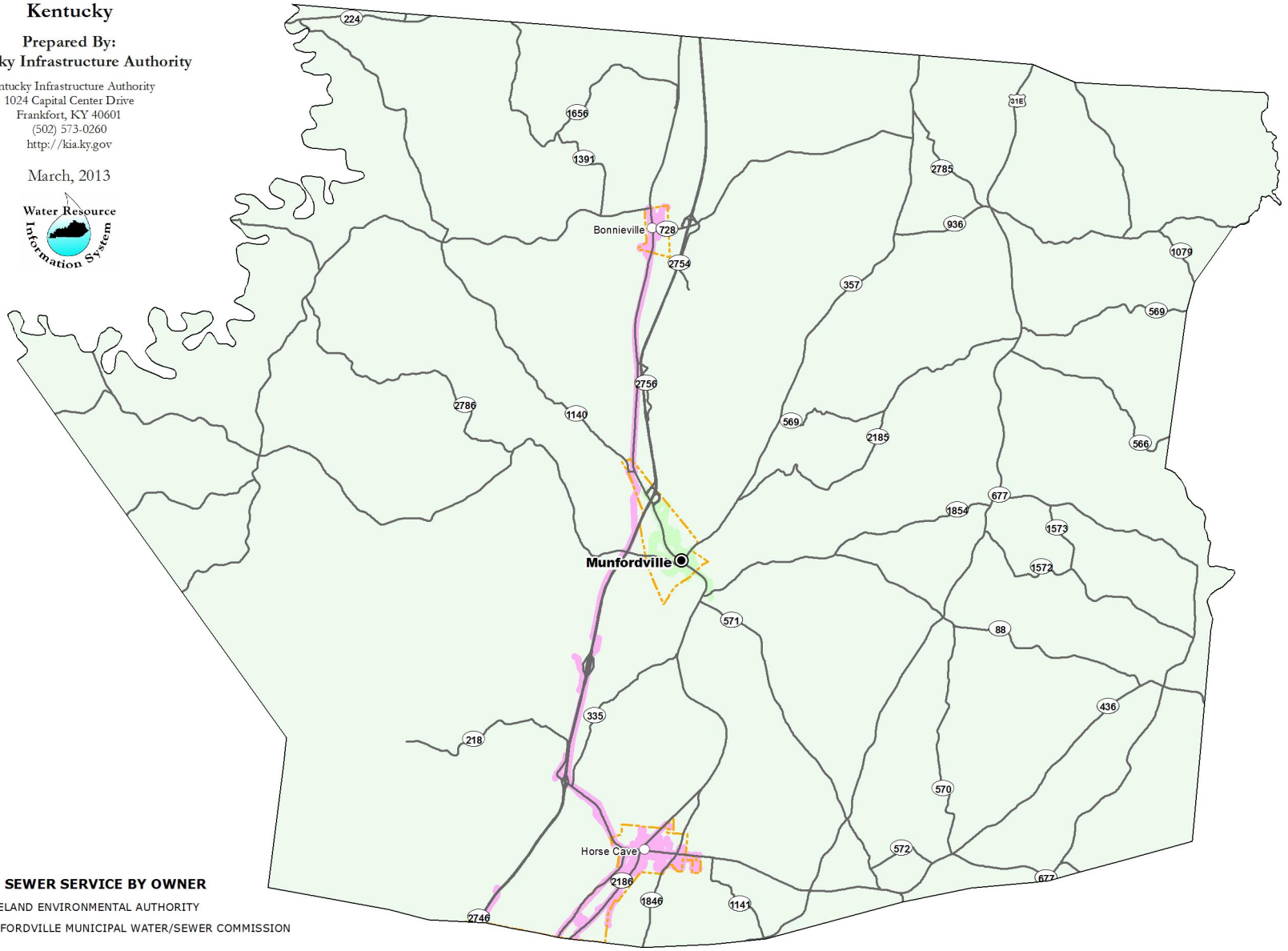
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HART COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- CAVELAND ENVIRONMENTAL AUTHORITY
- MUNFORDVILLE MUNICIPAL WATER/SEWER COMMISSION

System Summary for Caveland Environmental Authority

Permit ID	KY0091561	Treats Wastewater	Yes, 0.88 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,340
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	16	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$55.32	Total KISOP Treated (MG)	-
Residential Customers	2,275	Total Treated (MG)	171.185
Commercial Customers	108	Number of Manholes	1047
Institutional Customers	-	Number of Lift Stations	43
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 65% Constructed

Total Collection System Line Length = 113.77 miles (Collection: 113.77 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
SX21099023	Horse Cave Regional Water Replacement Facility Expansion Project	0-2 Years	Not Funded	$5,342,000	Hart	4	1
SX21009044	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	$1,000,000	Barren	12	2
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	$7,843,771	Edmonson	26	3
SX21009049	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	$505,000	Barren	34	4
SX21009045	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	$900,000	Barren		

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	3	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	11
Industrial Customers	2	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 14.20 miles (Collection: 13.66 miles, Interceptors: 0.55 miles).			

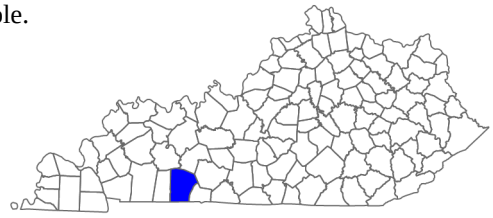
MG = Million Gallons.
MGD = Million Gallons per Day.

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	14	2
SX21099022	City of Munfordville - Sewer Extensions and Pump Station Rehabilitations	3-5 Years	Not Funded	$1,250,620	Hart	22	3
SX21099006	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	$400,000	Hart	36	4

Logan County

- 2010 census population of 26,835 (12,339 households) with 39% serviceable.
- Projected 2020 population of 27,382 (change of 547).
- Logan County has 100.49 miles of existing sewer lines.
- 48.00 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: $31,087,759.
- 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 39 percent of the county's households based on 2010 census counts. Over the next ten years approximately 923 serviceable households will be added through the construction of 48.00 miles of sewer line extensions and approximately 1,275 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	4	$1,528,759	-	334	2.00	1.00	-
City of Auburn	4	$11,550,000	1	97	2.00	1.00	-
City of Lewisburg	1	$62,000	-	9	-	-	-
City of Russellville	10	$25,957,000	862	835	37.00	2.00	-
East Logan Water District	1	$940,000	60	-	7.00	-	-
Totals:	**20**	**$40,037,759**	**923**	**1,275**	**48.00**	**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	1,413	662
KY0024881	Lewisburg Municipal Water & Sewer Department	Logan	853	458
KY0020877	Russellville Municipal Sewer Department	Logan	6,821	3,307
		Totals:	9,977	4,859

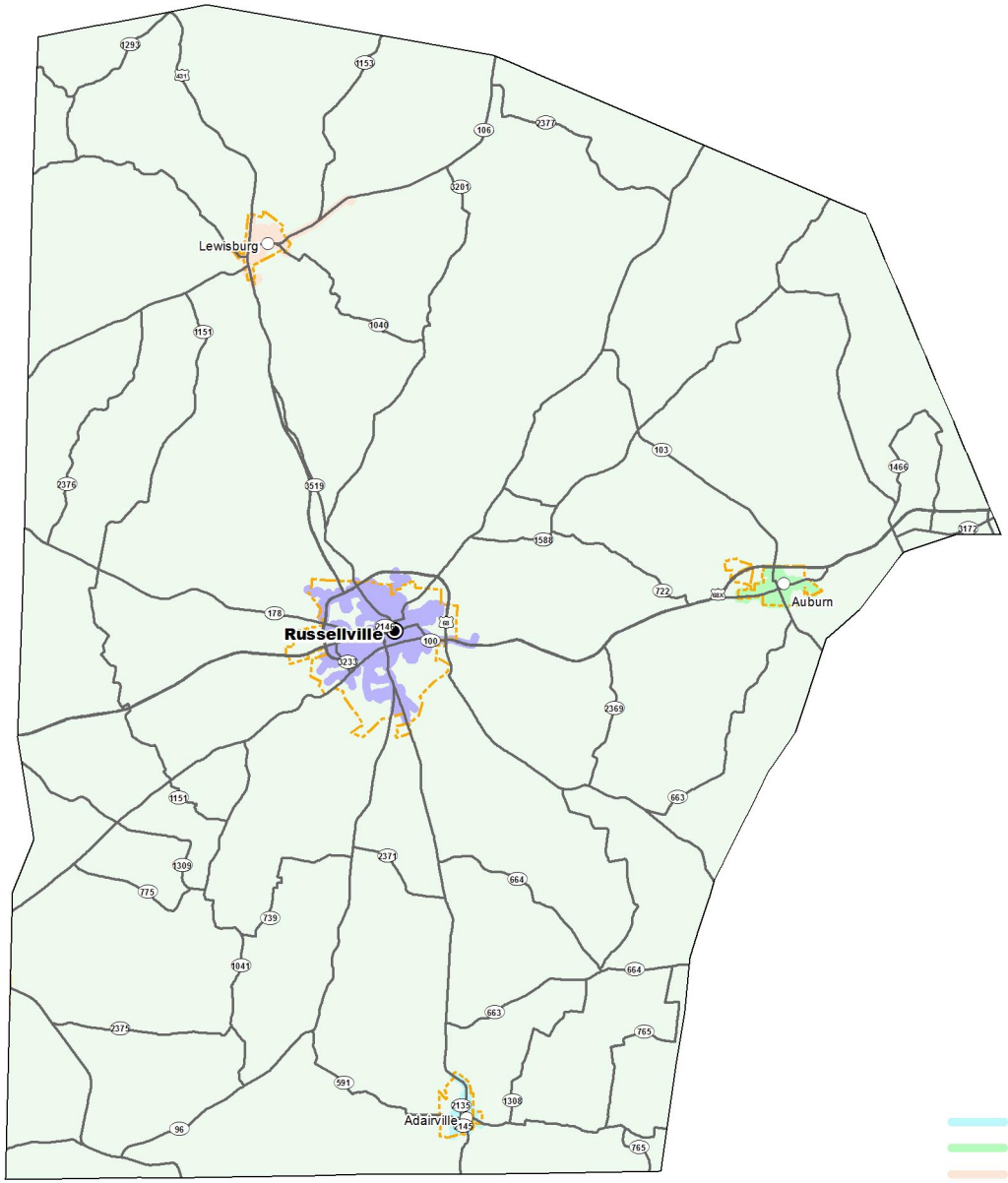
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LOGAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	5	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: 7.98 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
SX21141045	Adairville Wastewater System Improvements	3-5 Years	Partially Funded	$733,759	Logan	21	3
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	618
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.06	Total KISOP Treated (MG)	-
Residential Customers	606	Total Treated (MG)	113.767
Commercial Customers	8	Number of Manholes	180
Institutional Customers	3	Number of Lift Stations	8
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 11.60 miles (Collection: 11.59 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	$4,000,000	Logan	3	1
SX21141023	City of Auburn Wastewater Project #1	0-2 Years	Not Funded	$5,800,000	Logan		
SX21141014	City of Auburn - Upgrade of Existing Wastewater Treatment	3-5 Years	Partially Funded	$4,000,000	Logan		
SX21141047	Sewer System Extension Project	0-2 Years	Not Funded	$1,000,000	Logan		
SX21141046	Sewer Line Extension to South Union Area	3-5 Years	Not Funded	$940,000	Logan		
SX21141024	City of Auburn - Wastewater Project #2 - Replace Lift Stations	3-5 Years	Not Funded	$750,000	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 = 13.77 miles (Collection: 11.10 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
SX21141042	City of Lewisburg - Line C Collection System Replacement	3-5 Years	Not Funded	$62,000	Logan	33	4

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	95	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	1050
Institutional Customers	110	Number of Lift Stations	10
Industrial Customers	7	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 77% Constructed
Total Collection System Line Length = 67.05 miles (Collection: 66.96 miles, Interceptors: 0.09 miles).			

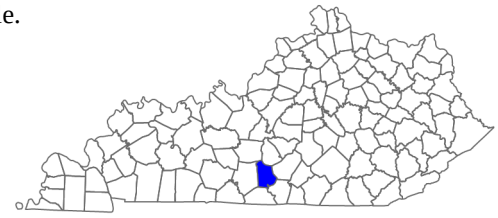
MG = Million Gallons.
MGD = Million Gallons per Day.

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	15	2
SX21141036	Russellville - Franklin Road Sewer Project	3-5 Years	Not Funded	$1,020,000	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		
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 17% serviceable.
- Projected 2020 population of 10,329 (change of 230).
- Metcalfe County has 21.55 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: $1,375,000.
- 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 17 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 5.00 miles of sewer line extensions and approximately 808 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 Edmonton	5	$1,375,000	39	808	5.00	-	-
Totals:	**5**	**$1,375,000**	**39**	**808**	**5.00**	**-**	**-**

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	1,597	810
		Totals:	1,597	810

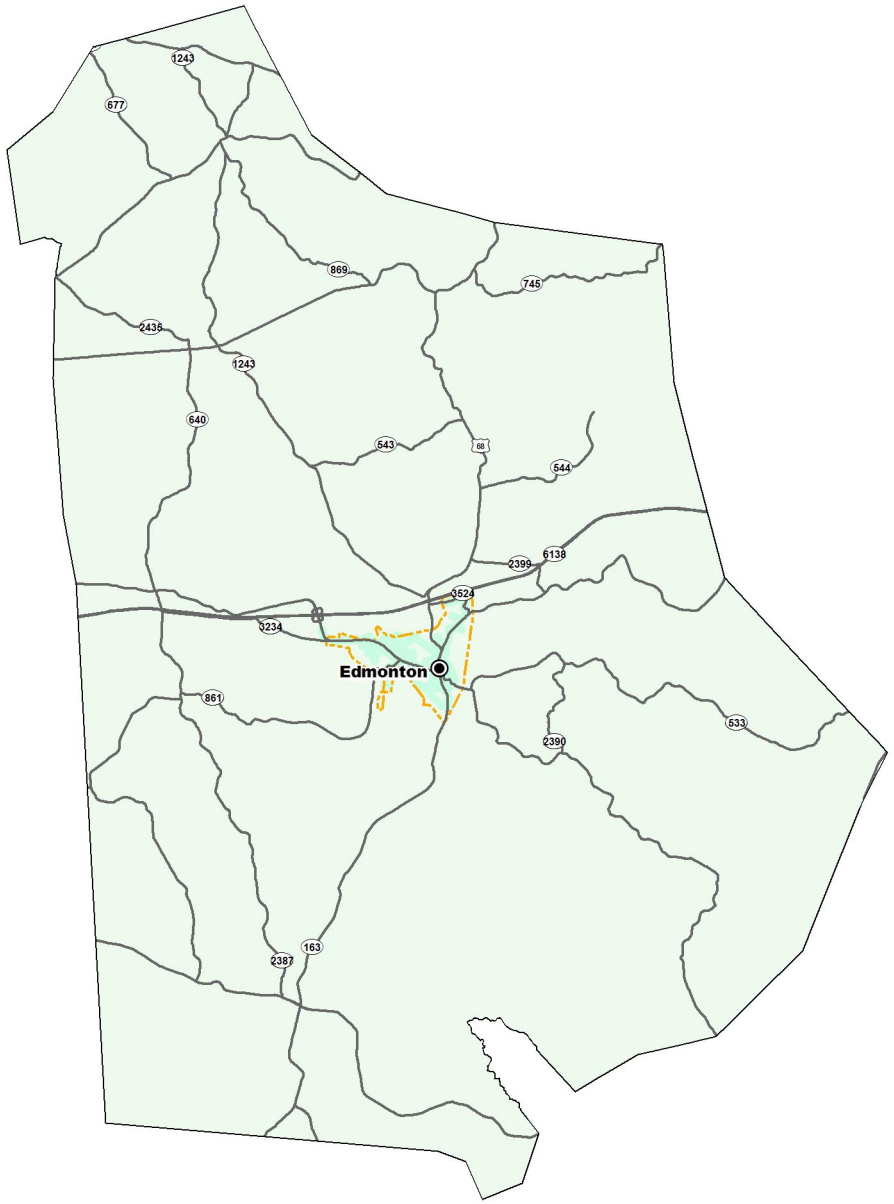
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
METCALFE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



N

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	8
Industrial Customers	4	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 21.55 miles (Collection: 21.20 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	8	1
SX21169011	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	$350,000	Metcalfe	17	2
SX21169005	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	$25,000	Metcalfe	27	3
SX21169012	Edmonton - Old Glasgow Street Area Extension	3-5 Years	Not Funded	$300,000	Metcalfe	37	4
SX21169008	Edmonton - River Road Project Extension	3-5 Years	Not Funded	$300,000	Metcalfe	46	5

Monroe County

- 2010 census population of 10,963 (5,204 households) with 30% serviceable.
- Projected 2020 population of 10,405 (change of -558).
- Monroe County has 41.31 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: $2,013,000.
- 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 30 percent of the county's households based on 2010 census counts. Over the next ten years approximately 115 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 1,116 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 Tompkinsville	2	$1,450,000	115	-	5.00	-	-
Fountain Run Water District #1	2	$563,000	-	1,116	-	-	-
Totals:	**4**	**$2,013,000**	**115**	**1,116**	**5.00**	**-**	**-**

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	469	221
KY0020702	Tompkinsville Sewer Department	Monroe	2,375	1,184
		Totals:	3,070	1,537

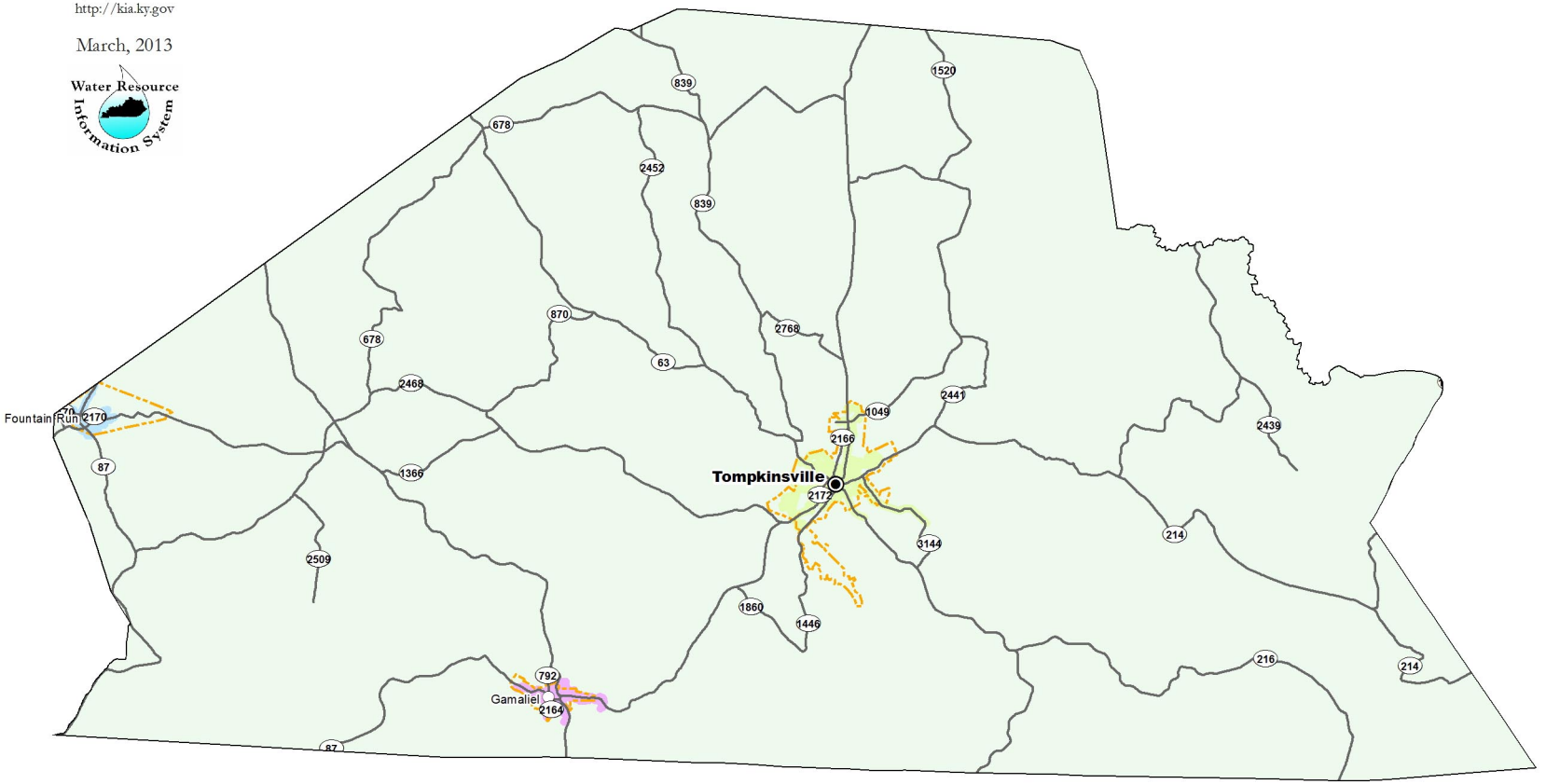
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MONROE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	105
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
SX21171014	Fountain Run Water District #1 - Sewer System Improvements	0-2 Years	Partially Funded	$370,000	Monroe	2	1
SX21171018	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	$193,000	Monroe	25	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	215
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	199	Total Treated (MG)	14.900
Commercial Customers	15	Number of Manholes	0
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 = 8.34 miles (Collection: 8.19 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	977
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$13.10	Total KISOP Treated (MG)	-
Residential Customers	743	Total Treated (MG)	136.875
Commercial Customers	165	Number of Manholes	236
Institutional Customers	34	Number of Lift Stations	7
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 26.40 miles (Collection: 26.40 miles, Interceptors: 0.00 miles).			

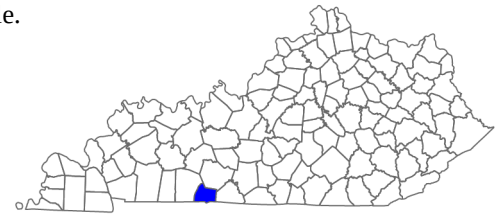
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21171003	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	$1,000,000	Monroe	16	2
SX21171008	City of Tompkinsville - Sewer Extension to Joe Harrison Carter School	3-5 Years	Not Funded	$450,000	Monroe	42	5

Simpson County

- 2010 census population of 17,327 (7,435 households) with 60% serviceable.
- Projected 2020 population of 18,342 (change of 1,015).
- Simpson County has 84.00 miles of existing sewer lines.
- 31.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $29,757,444.
- 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 60 percent of the county's households based on 2010 census counts. Over the next ten years approximately 553 serviceable households will be added through the construction of 31.00 miles of sewer line extensions and approximately 562 instances of improved service through the rehabilitation of 12.00 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	$25,969,638	349	562	11.00	12.00	-
Simpson County Water District	4	$3,787,806	204	-	20.00	-	-
Totals:	**15**	**$29,757,444**	**553**	**562**	**31.00**	**12.00**	**-**

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	10,083	4,437
		Totals:	10,083	4,437

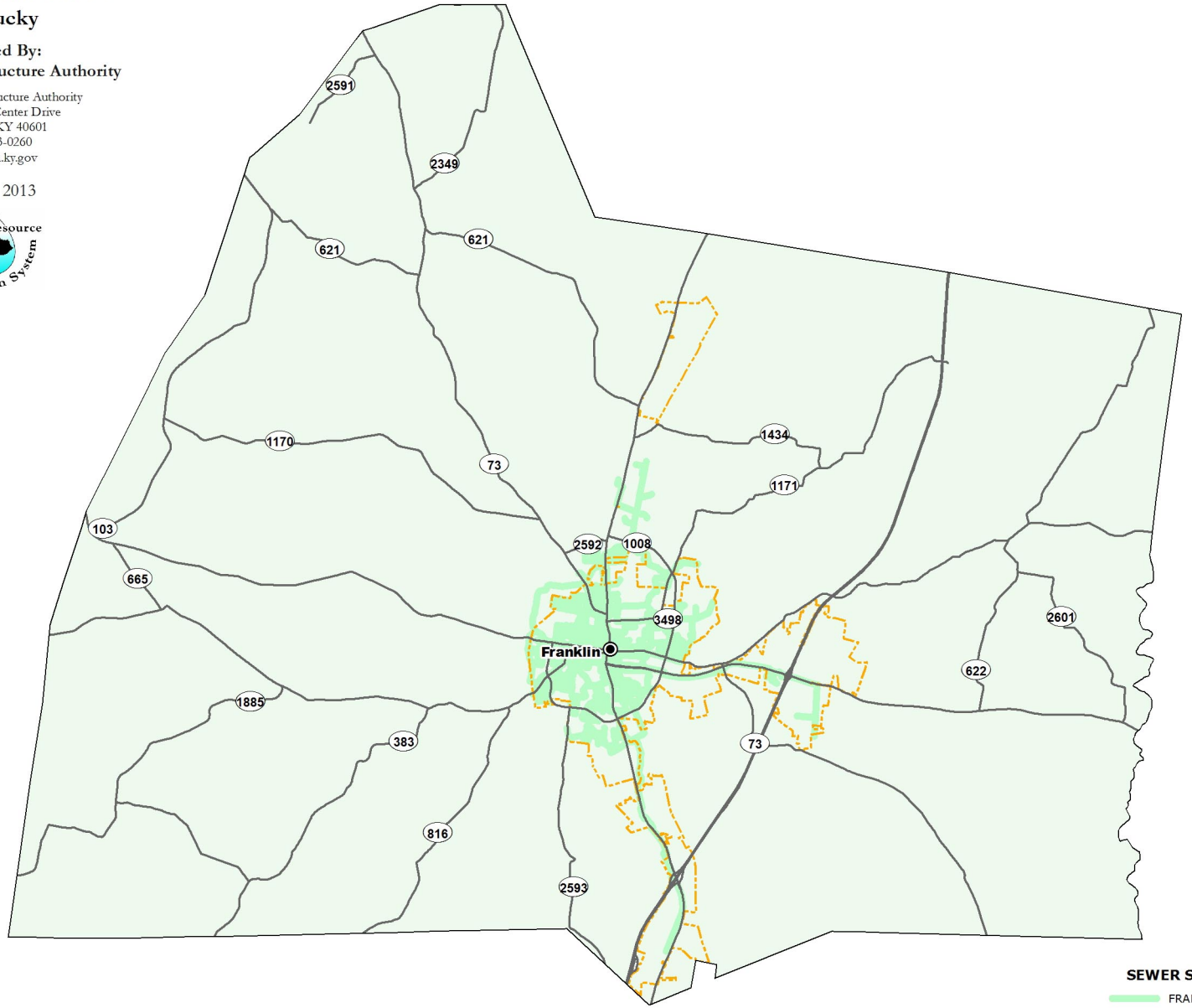
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
SIMPSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Franklin Sewer Department

Permit ID	KY0027456	Treats Wastewater	Yes, 3.2 MGD with 2.2 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	$19.47	Total KISOP Treated (MG)	-
Residential Customers	3,019	Total Treated (MG)	803.000
Commercial Customers	460	Number of Manholes	1043
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 = 84.00 miles (Collection: 78.99 miles, Interceptors: 5.01 miles).			

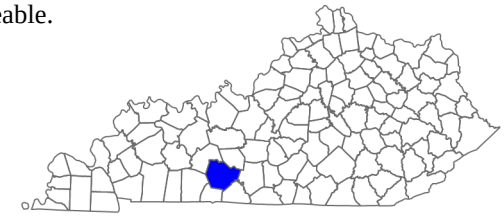
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21213028	City of Franklin - Sewer Upgrades to Ky Downs	3-5 Years	Partially Funded	$9,650,000	Simpson	1	1
SX21213032	City of Franklin - Sunset Circle Sewer Project	0-2 Years	Not Funded	$400,000	Simpson	11	2
SX21213031	City of Franklin - High St Sewer Project	0-2 Years	Not Funded	$1,133,750	Simpson	23	3
SX21213035	City of Franklin - Morgantown Rd Sewer Project	0-2 Years	Not Funded	$4,045,000	Simpson	32	4
SX21213017	City of Franklin - North Franklin Sewer Line Extensions	0-2 Years	Not Funded	$6,074,462	Simpson	45	5
SX21213013	City of Franklin - Patton Rd Sub 8" Sewer	0-2 Years	Not Funded	$2,312,000	Simpson		
SX21213024	City of Franklin - Sewer Line Replacement 31W Downtown	3-5 Years	Not Funded	$2,010,000	Simpson		
SX21213014	City of Franklin - Country Club Estates Sewer	0-2 Years	Not Funded	$1,678,800	Simpson		
SX21213016	City of Franklin - Broadway Sewer Line	0-2 Years	Not Funded	$1,500,662	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		
SX21213020	City of Franklin - Akin Ave Sewer Line Replacement	0-2 Years	Not Funded	$550,000	Simpson		
SX21213026	City of Franklin - North Industrial Park Sewer Extension	0-2 Years	Not Funded	$550,000	Simpson		
SX21213021	City of Franklin - E Cedar St Sewer Line Project	3-5 Years	Not Funded	$475,000	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.
- There are no line upgrades 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: $18,383,000.
- Estimated funding needs for projects from 6 to 10 years: $2,478,000.



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 3,000 instances of improved service through system wide upgrades. 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	11	$13,130,000	-	3,000	-	-	6.00
Warren County Water District	14	$7,731,000	4	-	8.00	-	-
Totals:	**25**	**$20,861,000**	**4**	**3,000**	**8.00**	**-**	**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 19, 2016

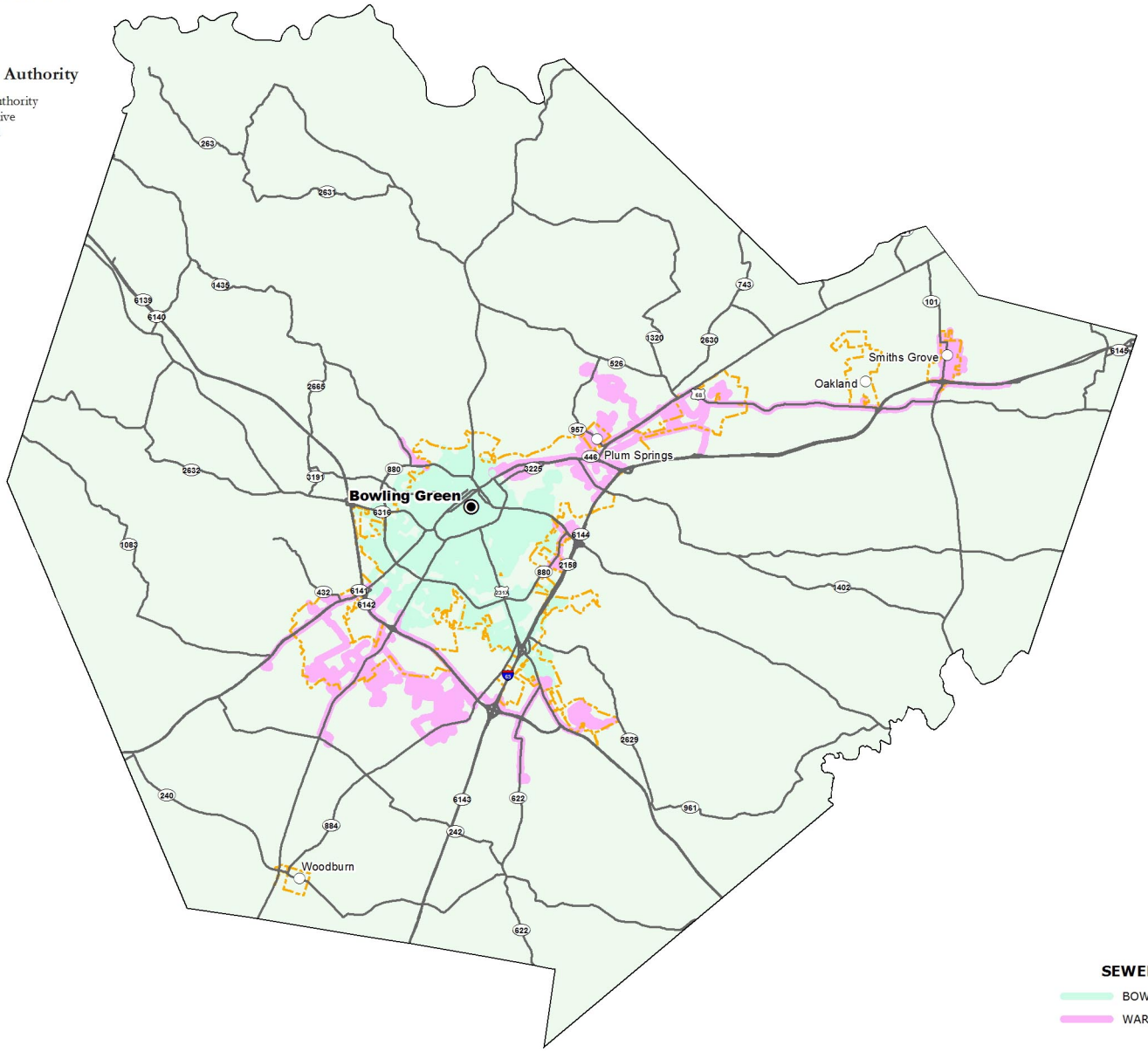
SEWER SERVICE AREAS
WARREN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- BOWLING GREEN MUNICIPAL UTILITIES
- WARREN COUNTY WATER DISTRICT

System Summary for Bowling Green Municipal Utilities

Permit ID	KY0022403	Treats Wastewater	Yes, 10.6 MGD with 24.85 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	19,543
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	31	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.97	Total KISOP Treated (MG)	474.963
Residential Customers	15,632	Total Treated (MG)	2,864.540
Commercial Customers	3,600	Number of Manholes	5011
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, 85% 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	20	2
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		
SX21227048	BGMU - Emergency Generator for Jennings Creek Lift Station	0-2 Years	Not Funded	$130,000	Warren		

System Summary for Warren County Water District

Permit ID	KYP000032	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	5,928
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	14	Total KISOP Sent (MG)	474.963
Cost Per 4000 Gallons	$22.12	Total KISOP Treated (MG)	-
Residential Customers	4,834	Total Treated (MG)	-
Commercial Customers	464	Number of Manholes	1909
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).

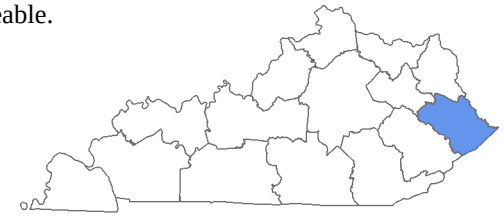
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21227030	WCWD - Hwy 68 West Lift Station Upgrade	0-2 Years	Not Funded	$500,000	Warren	9	1
SX21227027	WCWD - Sckip Lift Station Upgrade	3-5 Years	Not Funded	$125,000	Warren	30	3
SX21227059	WCWD - Memphis Junction Lift Station Upgrade	3-5 Years	Not Funded	$1,243,000	Warren	47	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		
SX21227080	WCWD - Lift Station No. 8 Upgrade	0-2 Years	Not Funded	$587,000	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	$150,000	Warren		
SX21227036	WCWD - Pioneer Drive/Twn Lift Station Upgrade	6-10 Years	Not Funded	$150,000	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 24% serviceable.
- Projected 2020 population of 148,051 (change of -6,042).
- 370.30 miles of existing sewer lines.
- 116.00 miles of line extensions proposed in the next 10 years.
- 21.00 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: $135,058,840.
- Estimated funding needs for projects from 6 to 10 years: $15,980,460.
- Average age of wastewater treatment plants is 23 years.
- Total number of interconnected systems is 1.
- 102 miles of sewer lines less than 15 years old.
- 197 miles of sewer lines between 15 and 30 years old.
- 14 miles of sewer lines between 31 and 50 years old.
- 57 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 24 percent of the district's households based on 2010 census counts. Over the next ten years approximately 5,778 serviceable households will be added through the construction of 116.00 miles of sewer line extensions and approximately 17,448 instances of improved service through the rehabilitation of 21.00 miles of existing sewer lines and other appurtenances. 8.00 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	5,530	30%	$ 38,143,142
Johnson	23,356	10,624	23,265	9,647	3,084	29%	$ 35,375,930
Magoffin	13,333	5,950	13,587	5,696	1,340	23%	$ 8,510,930
Martin	12,929	5,164	12,055	4,410	565	11%	$ 2,722,366
Pike	65,024	30,304	61,991	26,357	6,575	22%	$ 66,286,932
Totals	**154,093**	**70,217**	**148,051**	**61,704**	**17,094**	**24%**	**$ 151,039,300**

Water Resource Information System

Kentucky Infrastructure Authority

February 19, 2016

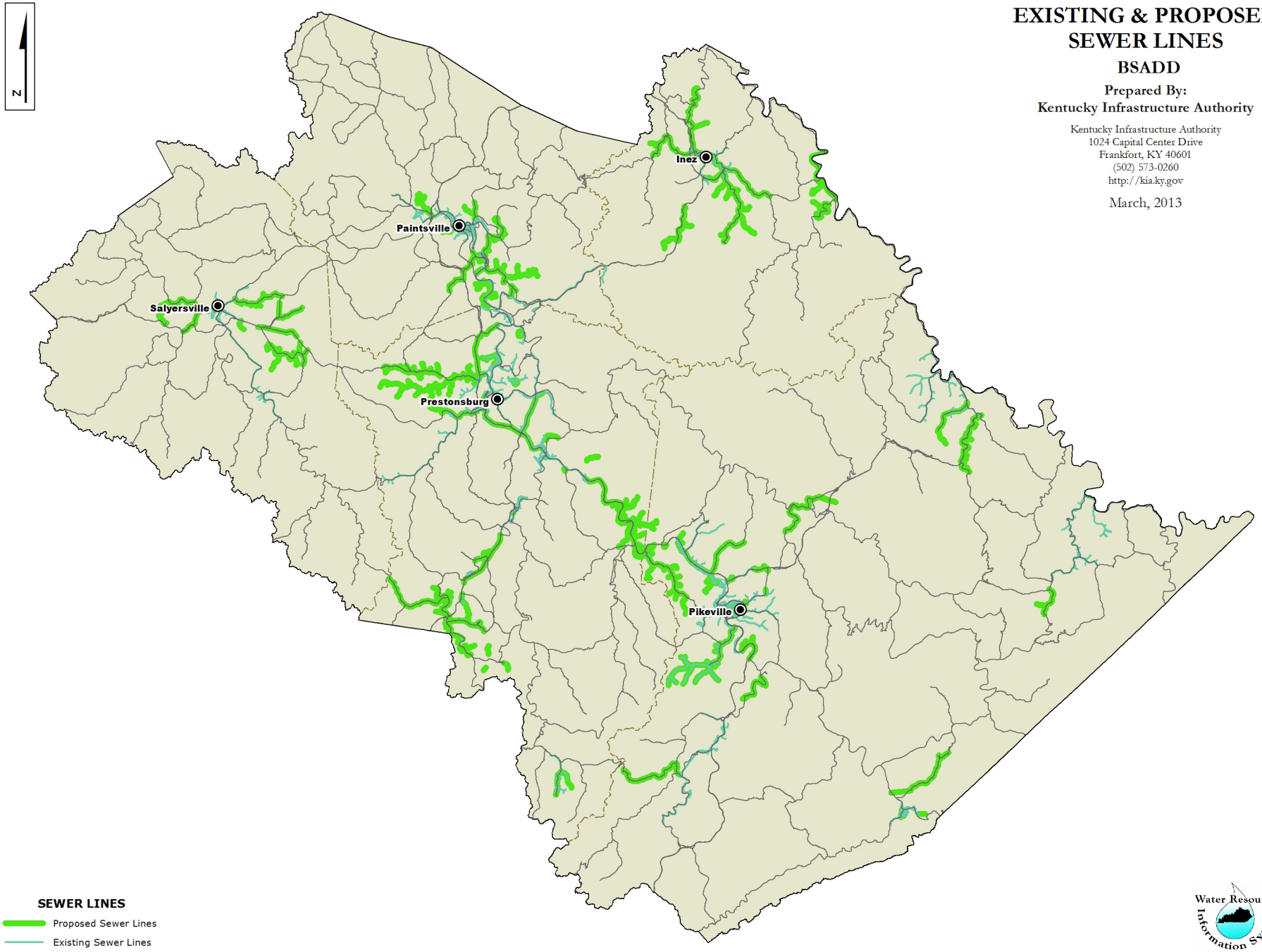
EXISTING & PROPOSED SEWER LINES

BSADD

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

Public Sewer Systems in the Big Sandy Area Development District

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

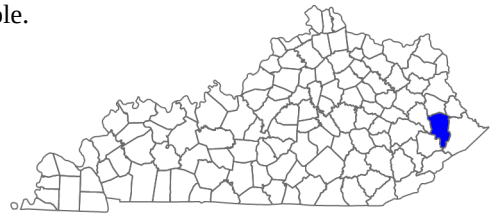
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026921	Martin Water Works	Floyd	915	500
KY0027413	Prestonsburg City's Utilities Commission	Floyd	7,689	3,571
KY0107051	Southern Water & Sewer District - Eastern	Floyd	136	60
KY0109258	Southern Water & Sewer District - Harold	Floyd	800	377
KY0105228	Southern Water & Sewer District - Wayland	Floyd	473	235
KY0028789	Wheelwright Utilities Commission	Floyd	923	373
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	2,437	1,091
KY0020630	Paintsville Utilities Commission - Paintsville STP	Johnson	4,981	2,407
KY0104540	Salyersville Water Works	Magoffin	2,989	1,340
KY0079316	Martin County Sanitation District	Martin	1,189	565
KY0025291	City of Pikeville	Pike	11,065	5,196
KY0020958	Elkhorn City Water Department	Pike	1,050	521
KY0042811	Mountain Water District - Douglas	Pike	1,722	850
		Totals:	36,369	17,086

Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195018	Elkhorn City Wastewater Treatment Plant Project	0-2 Years	Partially Funded	$3,815,000	Pike	1	1
SX21115502	Paintsville Utility Commission Van Lear Waste Water Project	0-2 Years	Not Funded	$4,640,000	Johnson	2	2
SX21071007	Big Sandy Regional Waste Water Treatment Plant	0-2 Years	Not Funded	$10,770,430	Floyd	3	2
SX21159007	Martin County Sanitation District - Belt Press and Sludge Handling	0-2 Years	Not Funded	$2,000,000	Martin	4	1
SX21115510	Paintsville Utilities Powell Addition Sewer Project	3-5 Years	Not Funded	$2,750,000	Johnson	5	3
SX21153522	Magoffin County Industrial Park Sewer Extension	3-5 Years	Partially Funded	$2,900,000	Magoffin	6	2
SX21195692	MWD - Belfry-Pond Sewer Project	0-2 Years	Partially Funded	$8,120,000	Pike	7	2
SX21115008	Paintsville WWTP I & I Removal Project Phase I & III	0-2 Years	Not Funded	$7,148,900	Johnson	8	1
SX21071011	Wayland Wastewater Treatment Plant Rehabilitation Project	0-2 Years	Not Funded	$759,271	Floyd	9	1
SX21195696	MWD - Forest Hills Phase III	3-5 Years	Not Funded	$1,050,000	Pike	10	8
SX21195020	Elkhorn City Upper Branch Sewer Project	3-5 Years	Not Funded	$605,000	Pike	11	10
SX21195107	Pikeville #7 Lift Station Replacement	0-2 Years	Not Funded	$102,000	Pike	12	3
SX21153003	Grinder Pump Replacement, Line Extension and Equipment Purchase Project	0-2 Years	Not Funded	$615,230	Magoffin	13	1
SX21071012	Garth Hollow Sewerline Extension	0-2 Years	Not Funded	$429,938	Floyd	14	4
SX21071009	Harold Sewer Line Extension to Mellow Brook	3-5 Years	Not Funded	$967,056	Floyd	15	3
SX21195026	Phelps Sanitary Sewer System Upgrades and Hydrology Study	0-2 Years	Not Funded	$1,225,000	Pike	16	4
SX21153004	Magoffin County Garage Lift Station and Line Replacement Project	3-5 Years	Not Funded	$735,000	Magoffin	17	3
SX21195009	Elhorn City - Centerville Sewer Line	3-5 Years	Not Funded	$650,000	Pike	18	5
SX21195105	Pikeville Cedar Creek Sewer Extension	0-2 Years	Not Funded	$550,000	Pike	19	6
SX21195027	John Moore's Branch Industrial Park Sewerline Extension	3-5 Years	Not Funded	$2,050,000	Pike	20	9
SX21195120	Pikeville Sewer Telemetry Project	0-2 Years	Partially Funded	$375,000	Pike	21	7
SX21115011	Pack Hill - Teay's Branch Wastewater line extension	3-5 Years	Not Funded	$319,000	Johnson	22	4
			Total Cost:	**$52,576,825**			

Floyd County

- 2010 census population of 39,451 (18,175 households) with 30% serviceable.
- Projected 2020 population of 37,153 (change of -2,298).
- Floyd County has 129.14 miles of existing sewer lines.
- 43.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $33,262,142.
- Estimated funding needs for projects from 6 to 10 years: $4,881,000.



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 30 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,215 serviceable households will be added through the construction of 43.00 miles of sewer line extensions and approximately 1,251 instances of improved service through the rehabilitation of 3.00 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 Martin	2	$2,864,938	135	96	-	2.00	-
Paintsville Utility Commission	1	$15,122,030	-	-	-	-	-
Prestonsburg City's Utilities Commission	4	$15,192,847	2,734	900	34.00	-	-
Southern Water & Sewer District	4	$4,226,327	286	155	8.00	-	-
Wheelwright Utilities Commission	2	$737,000	60	100	1.00	1.00	-
Totals:	**13**	**$38,143,142**	**3,215**	**1,251**	**43.00**	**3.00**	**-**

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	915	500
KY0027413	Prestonsburg City's Utilities Commission	Floyd	7,689	3,571
KY0107051	Southern Water & Sewer District - Eastern	Floyd	136	60
KY0109258	Southern Water & Sewer District - Harold	Floyd	800	377
KY0105228	Southern Water & Sewer District - Wayland	Floyd	473	235
KY0028789	Wheelwright Utilities Commission	Floyd	923	373
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	859	414
		Totals:	11,795	5,530

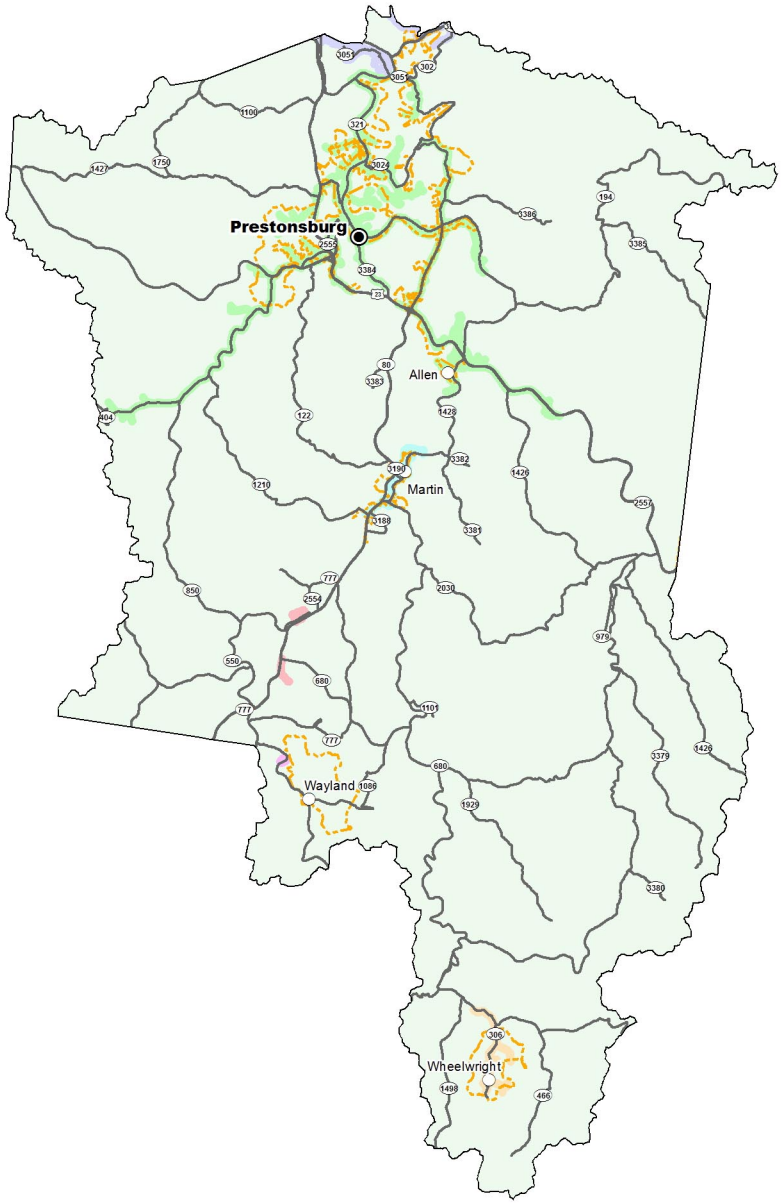
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
FLOYD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	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 = 0.00 miles (Collection: 0.00 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 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 = 0.00 miles (Collection: 0.00 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 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 Martin Water Works

Permit ID	KY0026921	Treats Wastewater	Yes, 0.12 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	245
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	198	Total Treated (MG)	14.939
Commercial Customers	47	Number of Manholes	350
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 = 10.73 miles (Collection: 10.58 miles, Interceptors: 0.14 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
SX21071012	Garth Hollow Sewerline Extension	0-2 Years	Not Funded	$429,938	Floyd	14	4
SX21071006	City of Martin New Sewerline Extention to Eliminate Package Treatment Plants	3-5 Years	Not Funded	$2,435,000	Floyd		

System Summary for Prestonsburg City's Utilities Commission

Permit ID	KY0027413	Treats Wastewater	Yes, 1 MGD with 0.67 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,772
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	19	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.04	Total KISOP Treated (MG)	-
Residential Customers	2,163	Total Treated (MG)	310.460
Commercial Customers	609	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 = 88.78 miles (Collection: 88.68 miles, Interceptors: 0.11 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
SX21071007	Big Sandy Regional Waste Water Treatment Plant	0-2 Years	Not Funded	$10,770,430	Floyd	3	2
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		
SX21071215	PCUC - Section 531 Project	3-5 Years	Partially Funded	$785,417	Floyd		

System Summary for Southern Water & Sewer District - Eastern

Permit ID	KY0107051	Treats Wastewater	Yes, 0.025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	36
Owner Type	Water District (KRS 74)	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 = 2.00 miles (Collection: 2.00 miles, Interceptors: 0.00 miles).			

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

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

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 Southern Water & Sewer District - Harold

Permit ID	KY0109258	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	129
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.42	Total KISOP Treated (MG)	-
Residential Customers	124	Total Treated (MG)	1.200
Commercial Customers	5	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 = 9.32 miles (Collection: 9.32 miles, Interceptors: 0.00 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Southern Water & Sewer District - 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	15	3

System Summary for Southern Water & Sewer District - Wayland

Permit ID	KY0105228	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	155
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.42	Total KISOP Treated (MG)	-
Residential Customers	150	Total Treated (MG)	7.600
Commercial Customers	5	Number of Manholes	40
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 = 4.56 miles (Collection: 4.44 miles, Interceptors: 0.11 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21071011	Wayland Wastewater Treatment Plant Rehabilitation Project	0-2 Years	Not Funded	$759,271	Floyd	9	1
SX21071721	SWSD - Wayland Sewer Line Extension Project	6-10 Years	Not Funded	$2,000,000	Floyd		

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	296
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.74	Total KISOP Treated (MG)	-
Residential Customers	287	Total Treated (MG)	42.800
Commercial Customers	8	Number of Manholes	18
Institutional Customers	1	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 = 5.89 miles (Collection: 5.87 miles, Interceptors: 0.03 miles).

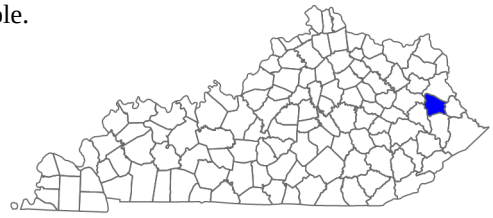
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21071902	Wheelwright - Replacement of Sewer System	6-10 Years	Not Funded	$587,000	Floyd		
SX21071001	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	6-10 Years	Not Funded	$150,000	Floyd		

Johnson County

- 2010 census population of 23,356 (10,624 households) with 29% serviceable.
- Projected 2020 population of 23,265 (change of -91).
- Johnson County has 56.61 miles of existing sewer lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 17.00 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: $31,010,930.
- 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 29 percent of the county's households based on 2010 census counts. Over the next ten years approximately 670 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 4,093 instances of improved service through the rehabilitation of 17.00 miles of existing sewer lines and other appurtenances. 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	7	$35,375,930	670	4,093	11.00	17.00	8.00
Totals:	**7**	**$35,375,930**	**670**	**4,093**	**11.00**	**17.00**	**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	1,528	677
KY0020630	Paintsville Utilities Commission - Paintsville STP	Johnson	4,981	2,407
		Totals:	6,509	3,084

Kentucky Infrastructure Authority
February 19, 2016

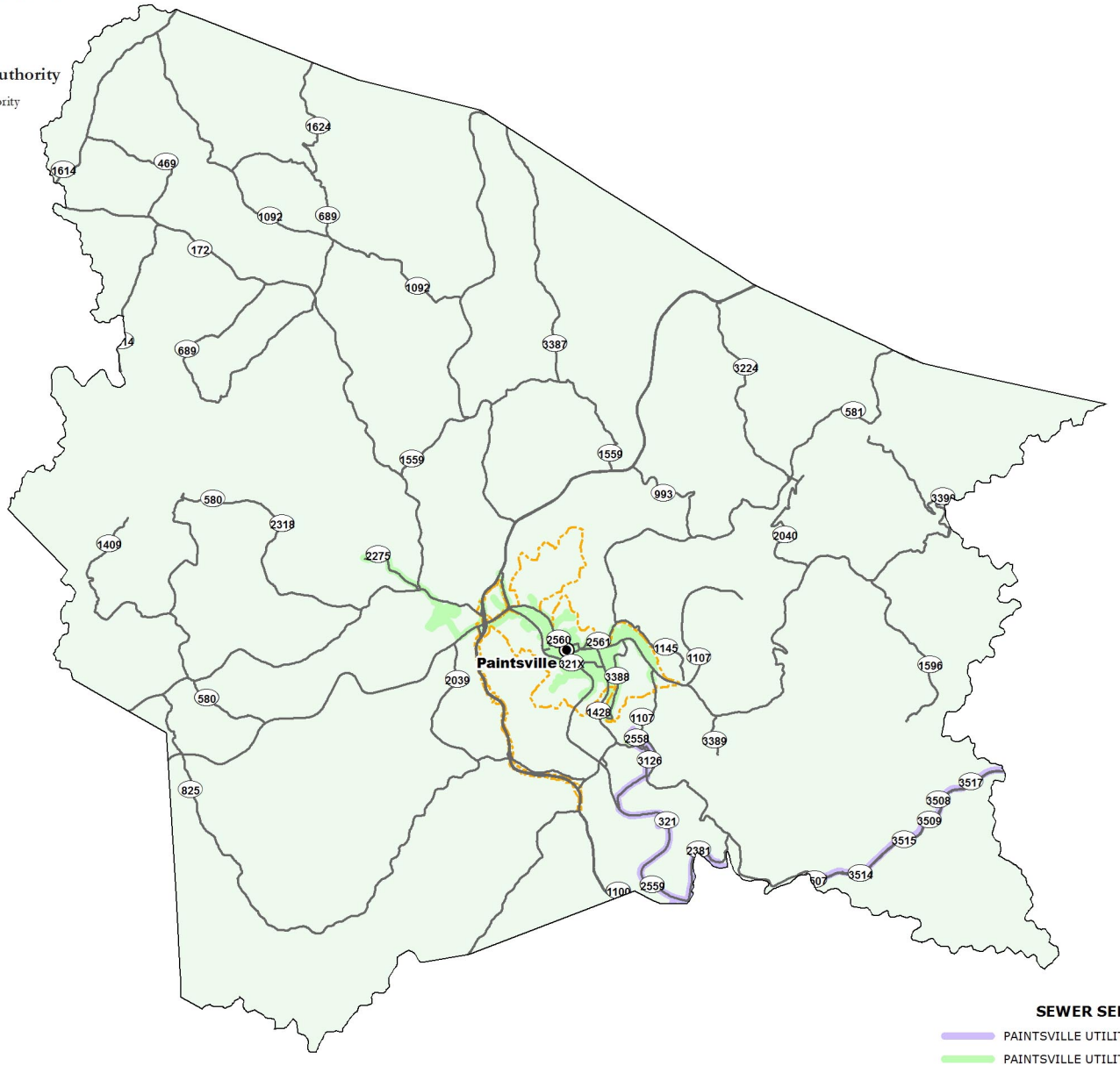
SEWER SERVICE AREAS
JOHNSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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 = 0.00 miles (Collection: 0.00 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, 0.02 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 = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Homestead Estates

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	614
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.48	Total KISOP Treated (MG)	-
Residential Customers	597	Total Treated (MG)	124.000
Commercial Customers	11	Number of Manholes	95
Institutional Customers	1	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed

Total Collection System Line Length = 26.74 miles (Collection: 26.61 miles, Interceptors: 0.12 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
SX21115502	Paintsville Utility Commission Van Lear Waste Water Project	0-2 Years	Not Funded	$4,640,000	Johnson	2	2
SX21115510	Paintsville Utilities Powell Addition Sewer Project	3-5 Years	Not Funded	$2,750,000	Johnson	5	3
SX21115003	Paintsville WWTP I & I Removal Project Phase II	3-5 Years	Not Funded	$15,122,030	Johnson		
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 0.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,138
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.48	Total KISOP Treated (MG)	-
Residential Customers	1,684	Total Treated (MG)	201.600
Commercial Customers	454	Number of Manholes	617
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 39.12 miles (Collection: 39.07 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
SX21115008	Paintsville WWTP I & I Removal Project Phase I & III	0-2 Years	Not Funded	$7,148,900	Johnson	8	1
SX21115003	Paintsville WWTP I & I Removal Project Phase II	3-5 Years	Not Funded	$15,122,030	Johnson		
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 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	$31.48	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 = 0.00 miles (Collection: 0.00 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 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	$31.48	Total KISOP Treated (MG)	-
Residential Customers	54	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 = 0.00 miles (Collection: 0.00 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 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	$31.48	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 = 0.00 miles (Collection: 0.00 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

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 26.38 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: $4,250,230.
- 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 353 serviceable households will be added through the construction of 15.00 miles of sewer line extensions and approximately 567 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	1	$2,215,700	162	-	2.00	-	-
Magoffin County Fiscal Court	1	$2,900,000	96	-	8.00	-	-
Salyersville Water Works	3	$3,395,230	95	567	5.00	1.00	-
Totals:	**5**	**$8,510,930**	**353**	**567**	**15.00**	**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	2,989	1,340
		Totals:	2,989	1,340

Kentucky Infrastructure Authority
February 19, 2016

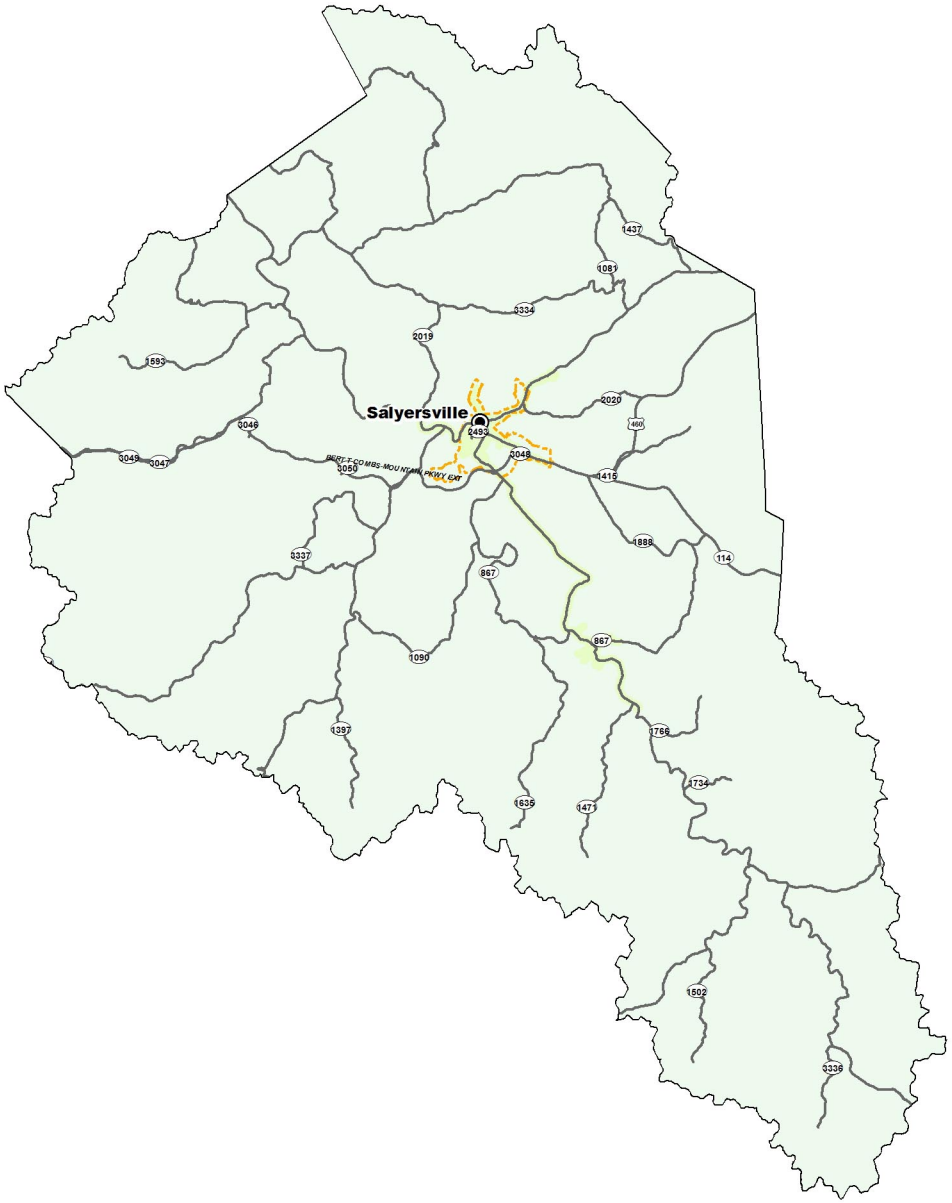
SEWER SERVICE AREAS
MAGOFFIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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	1,369
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	1,258	Total Treated (MG)	127.750
Commercial Customers	111	Number of Manholes	115
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 26.38 miles (Collection: 26.31 miles, Interceptors: 0.07 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
SX21153522	Magoffin County Industrial Park Sewer Extension	3-5 Years	Partially Funded	$2,900,000	Magoffin	6	2
SX21153003	Grinder Pump Replacement, Line Extension and Equipment Purchase Project	0-2 Years	Not Funded	$615,230	Magoffin	13	1
SX21153004	Magoffin County Garage Lift Station and Line Replacement Project	3-5 Years	Not Funded	$735,000	Magoffin	17	3
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 11% serviceable.
- Projected 2020 population of 12,055 (change of -874).
- Martin County has 13.72 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: $2,722,366.
- 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 11 percent of the county's households based on 2010 census counts. Over the next ten years approximately 10 serviceable households will be added through the construction of 2.00 miles of 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	$2,722,366	10	500	2.00	-	-
Totals:	**2**	**$2,722,366**	**10**	**500**	**2.00**	**-**	**-**

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	1,189	565
		Totals:	1,189	565

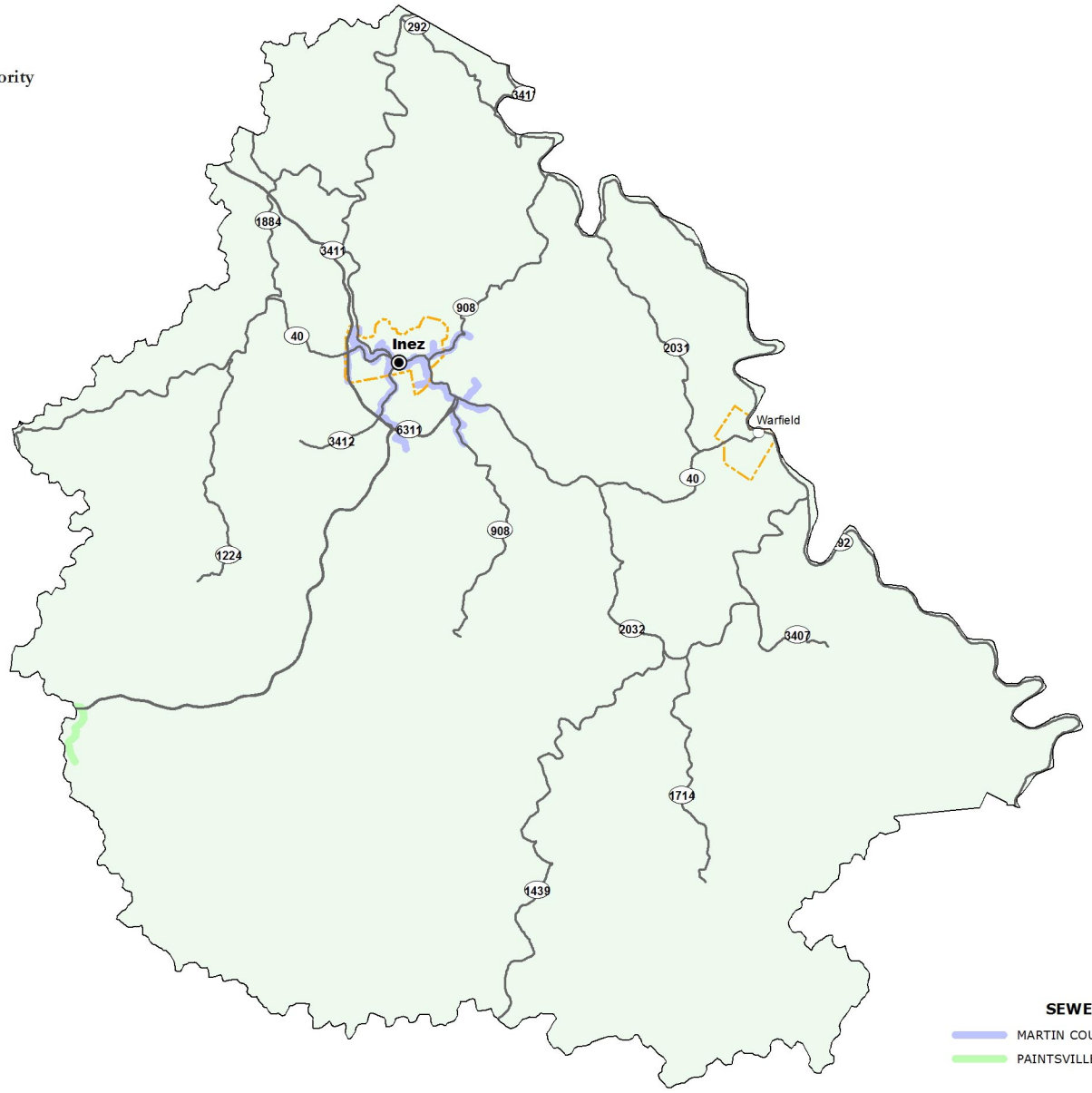
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MARTIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	806
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.25	Total KISOP Treated (MG)	-
Residential Customers	687	Total Treated (MG)	55.000
Commercial Customers	119	Number of Manholes	11
Institutional Customers	-	Number of Lift Stations	15
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 12.32 miles (Collection: 12.27 miles, Interceptors: 0.05 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	4	1
SX21159006	Martin County Sanitation District - KY 645 Development Area Sewer Extensions	3-5 Years	Not Funded	$722,366	Martin		

System Summary for Martin County Sanitation District - Lovely

Permit ID	KY0102822	Treats Wastewater	Yes, 0.0015 MGD with 0 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	$26.25	Total KISOP Treated (MG)	-
Residential Customers	5	Total Treated (MG)	0.015
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 Martin County Sanitation District - Lovely

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

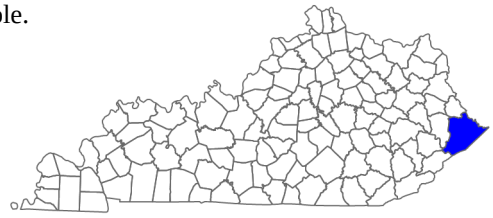
Permit ID	KY0107905	Treats Wastewater	Yes, 0.2 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
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 Martin County Sanitation District - Tug Valley Sewer Authority

Pike County

- 2010 census population of 65,024 (30,304 households) with 22% serviceable.
- Projected 2020 population of 61,991 (change of -3,033).
- Pike County has 144.45 miles of existing sewer lines.
- 45.00 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: $63,813,172.
- 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 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,530 serviceable households will be added through the construction of 45.00 miles of sewer line extensions and approximately 11,037 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 Elkhorn City	4	$7,120,000	30	554	3.00	-	-
City of Pikeville	9	$31,831,950	626	7,954	16.00	-	-
Mountain Water District	7	$27,221,122	874	2,529	26.00	-	-
Pike County Fiscal Court	1	$113,860	-	-	-	-	-
Totals:	**21**	**$66,286,932**	**1,530**	**11,037**	**45.00**	**-**	**-**

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	11,065	5,196
KY0020958	Elkhorn City Water Department	Pike	1,050	521
KY0042811	Mountain Water District - Douglas	Pike	1,722	850
		Totals:	13,837	6,567

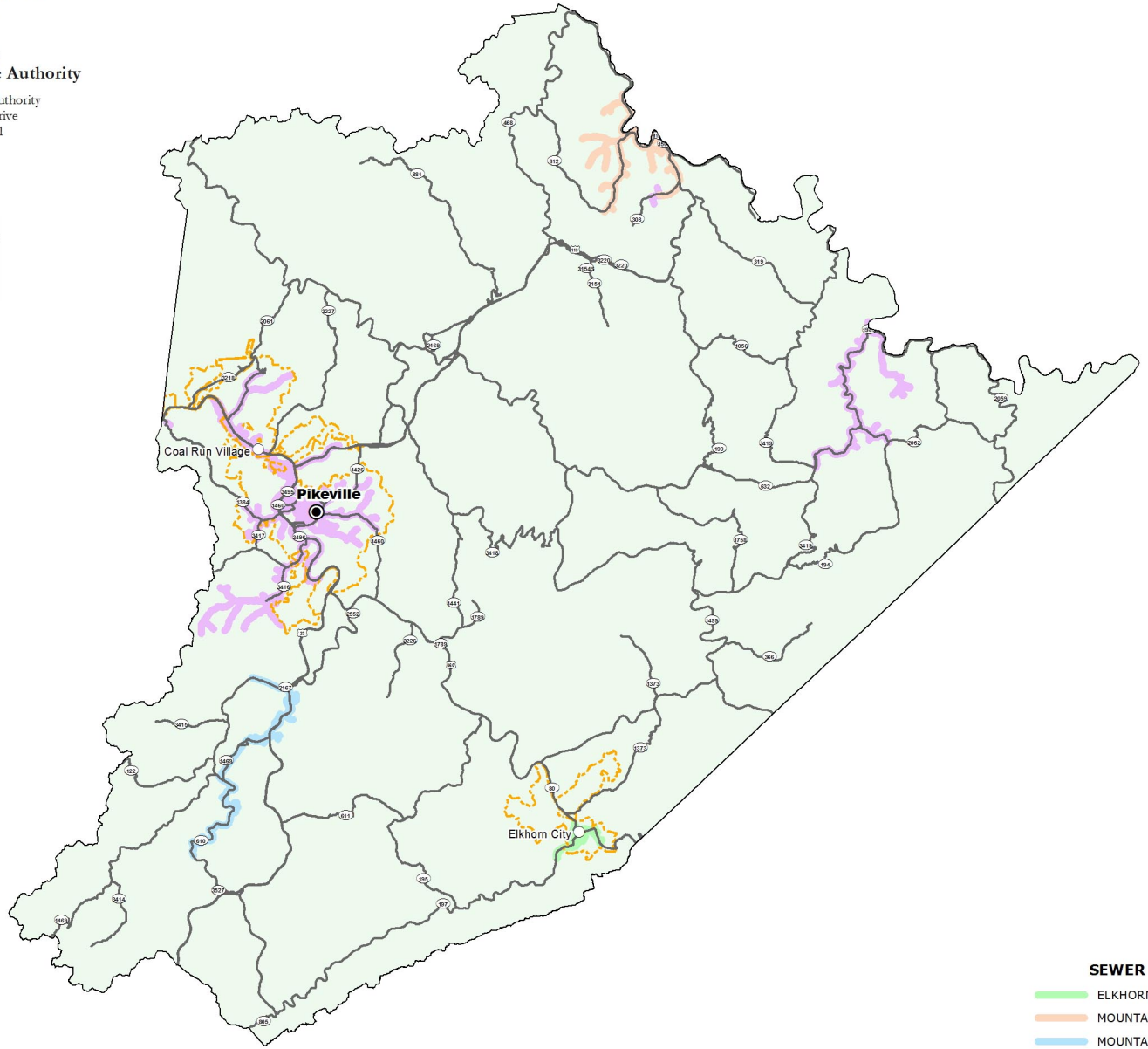
Kentucky Infrastructure Authority
February 19, 2016

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



System Summary for City of Pikeville

Permit ID	KY0025291	Treats Wastewater	Yes, 2 MGD with 0.74 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,600
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.00	Total KISOP Treated (MG)	-
Residential Customers	4,042	Total Treated (MG)	540.000
Commercial Customers	554	Number of Manholes	1600
Institutional Customers	4	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 96.38 miles (Collection: 96.23 miles, Interceptors: 0.15 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
SX21195107	Pikeville #7 Lift Station Replacement	0-2 Years	Not Funded	$102,000	Pike	12	3
SX21195105	Pikeville Cedar Creek Sewer Extension	0-2 Years	Not Funded	$550,000	Pike	19	6
SX21195120	Pikeville Sewer Telemetry Project	0-2 Years	Partially Funded	$375,000	Pike	21	7
SX21195024	City of Pikeville KY Wastewater Treatment Plant Upgrade	0-2 Years	Partially Funded	$21,945,000	Pike		
SX21195131	Hurricane Creek	3-5 Years	Not Funded	$6,108,250	Pike		
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		
SX21195102	Pikeville Yorkwood Forest Subdivision Sewerline Extension South Along US 23	3-5 Years	Not Funded	$391,800	Pike		
SX21195139	Buckleys Creek Sewer	6-10 Years	Not Funded	$355,000	Pike		

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	415
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.50	Total KISOP Treated (MG)	-
Residential Customers	364	Total Treated (MG)	62.500
Commercial Customers	51	Number of Manholes	105
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 = 10.42 miles (Collection: 10.36 miles, Interceptors: 0.06 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
SX21195018	Elkhorn City Wastewater Treatment Plant Project	0-2 Years	Partially Funded	$3,815,000	Pike	1	1
SX21195020	Elkhorn City Upper Branch Sewer Project	3-5 Years	Not Funded	$605,000	Pike	11	10
SX21195009	Elhorn City - Centerville Sewer Line	3-5 Years	Not Funded	$650,000	Pike	18	5
SX21195027	John Moore's Branch Industrial Park Sewerline Extension	3-5 Years	Not Funded	$2,050,000	Pike	20	9

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)	51.700
Cost Per 4000 Gallons	$26.00	Total KISOP Treated (MG)	-
Residential Customers	611	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	20
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 22.63 miles (Collection: 0.00 miles, Interceptors: 22.63 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	10	8
SX21195693	Scott Fork Phase 2	3-5 Years	Not Funded	$14,826,122	Pike		
SX21195004	MWD- Sewer Lift Station Upgrades	0-2 Years	Not Funded	$400,000	Pike		

System Summary for Mountain Water District - Branham Heights Treatment Plant

Permit ID	KY0096580	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3
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	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 = 0.07 miles (Collection: 0.07 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 - Branham Heights Treatment Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Daniels Creek

Permit ID	KY0076511	Treats Wastewater	Yes, 0.003 MGD with 0 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	$26.00	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 = 0.00 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 Mountain Water District - Daniels Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Douglas

Permit ID	KY0042811	Treats Wastewater	Yes, 0.2 MGD with 0.2 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	$26.00	Total KISOP Treated (MG)	-
Residential Customers	642	Total Treated (MG)	22.860
Commercial Customers	42	Number of Manholes	12
Institutional Customers	4	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	5%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 17.18 miles (Collection: 17.18 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 - Douglas

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Maple Valley Subdivision

Permit ID	KY0098353	Treats Wastewater	Yes, 0.003 MGD with 0 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 = 0.00 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 Mountain Water District - Maple Valley Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Modern Home Park Inc

Permit ID	KY0096857	Treats Wastewater	Yes, 0.006 MGD with 0 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	$26.00	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 = 0.00 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 Mountain Water District - Modern Home Park Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Phelps Freeburn

Permit ID	KY0104442	Treats Wastewater	Yes, 0.25 MGD with 0 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	807	Total Treated (MG)	30.870
Commercial Customers	40	Number of Manholes	1
Institutional Customers	2	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 77% 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 Mountain Water District - Phelps Freeburn

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195026	Phelps Sanitary Sewer System Upgrades and Hydrology Study	0-2 Years	Not Funded	$1,225,000	Pike	16	4
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		
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 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	15
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.00	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 = 0.10 miles (Collection: 0.10 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 - Shelbiana MHP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Stone Heights Wastewater Fac

Permit ID	KY0029343	Treats Wastewater	Yes, 0.01 MGD with 0 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	$26.00	Total KISOP Treated (MG)	-
Residential Customers	17	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 Mountain Water District - Stone Heights Wastewater Fac

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

System Summary for Mountain Water District - Willow Place

Permit ID	KY0082708	Treats Wastewater	Yes, 0.006 MGD with 0 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	29	Total Treated (MG)	0.002
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).

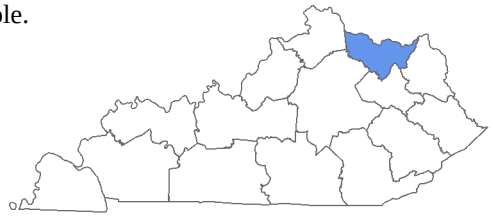
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195025	Residential Grinder Unit Up Grade	0-2 Years	Not Funded	$250,000	Pike		

Buffalo Trace Area Development District (BTADD)

- 2010 census population of 56,478 (26,144 households) with 36% serviceable.
- Projected 2020 population of 58,306 (change of 1,828).
- 256.16 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 39.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $26,037,050.
- Estimated funding needs for projects from 6 to 10 years: $6,263,000.
- Average age of wastewater treatment plants is 31 years.
- Total number of interconnected systems is 1.
- 97 miles of sewer lines less than 15 years old.
- 34 miles of sewer lines between 15 and 30 years old.
- 64 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 36 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,205 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 4,370 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 39.00 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	956	25%	$ 13,335,050
Fleming	14,348	6,623	14,880	6,231	1,808	27%	$ 735,000
Lewis	13,870	6,481	13,899	5,717	1,587	25%	$ 6,530,500
Mason	17,490	8,105	18,419	7,608	4,633	57%	$ 9,040,500
Robertson	2,282	1,095	2,364	965	291	27%	$ 2,659,000
Totals	**56,478**	**26,144**	**58,306**	**24,059**	**9,275**	**35%**	**$ 32,300,050**

Water Resource Information System

Kentucky Infrastructure Authority

February 19, 2016

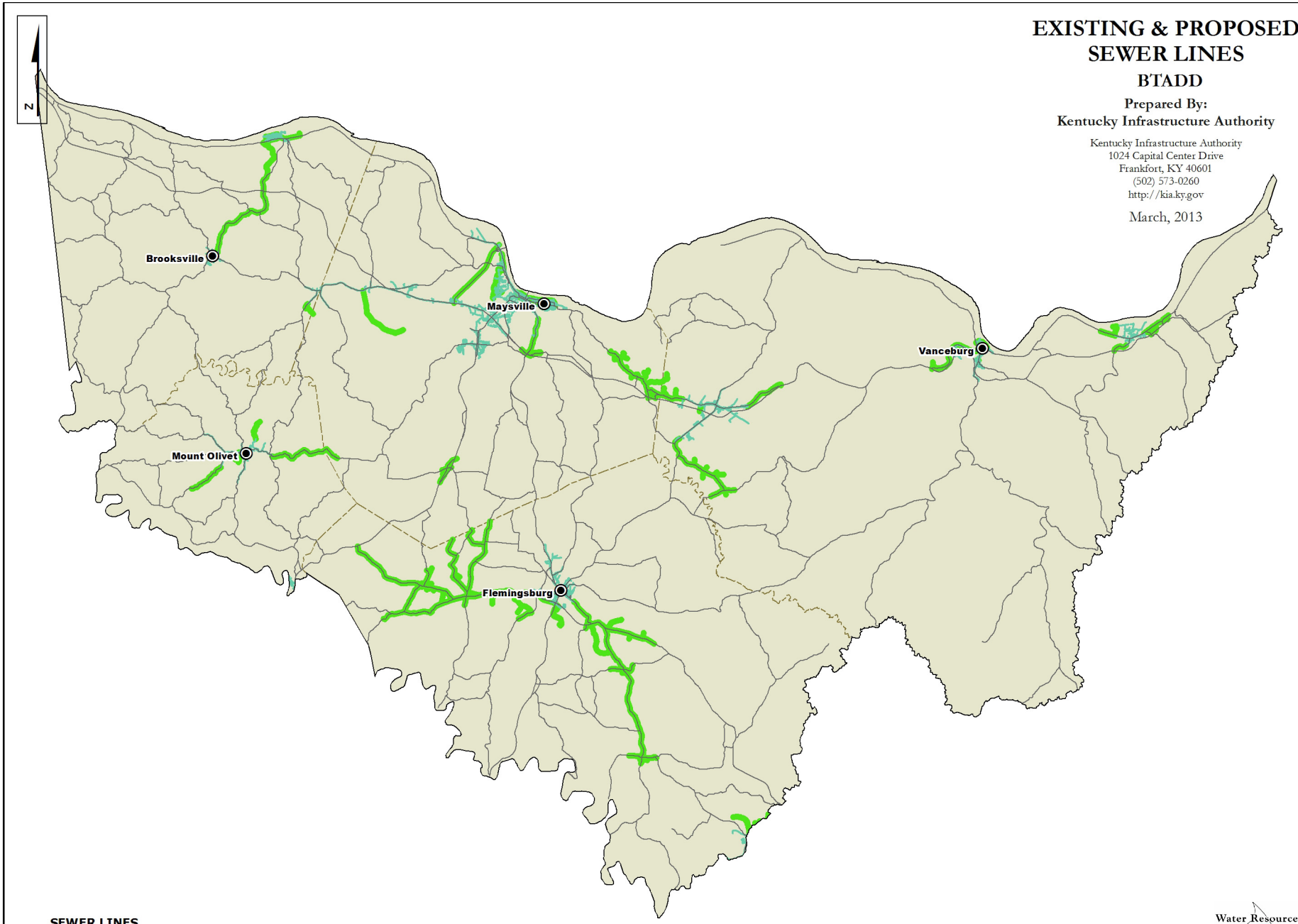
EXISTING & PROPOSED SEWER LINES

BTADD

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

Public Sewer Systems in the Buffalo Trace Area Development District

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

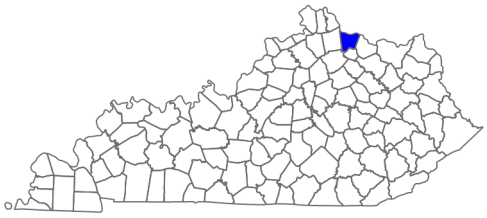
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0021261	Augusta Sewer	Bracken	1,154	564
KY0025232	Brooksville Sewer	Bracken	653	298
KY0021229	Flemingsburg Sewer	Fleming	3,419	1,742
KY0105422	Garrison Sewer	Lewis	808	373
KY0102601	Lewis County Sanitation District #1	Lewis	844	389
KY0078123	Meadowbrook Subdivision	Lewis	261	104
KY0021512	Vanceburg Sewer	Lewis	1,471	713
KY0020257	Maysville Sewer	Mason	8,568	4,272
KYP000081	Western Mason Sanitation District	Mason	1,021	455
KY0104299	Mount Olivet Sewer	Robertson	638	289
		Totals:	18,837	9,199

Project Rankings For Buffalo Trace Area Development District

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	$12,208,500	Bracken	1	1
SX21201008	Mt. Olivet Phase 2 - Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	$2,000,000	Robertson	2	1
SX21069019	Flemingsburg Circle Drive & Textron Drive Sewer Line Replacement	3-5 Years	Not Funded	$210,000	Fleming	3	1
SX21135022	Tollesboro Industrial Park (Sewer)	3-5 Years	Not Funded	$270,000	Lewis	4	1
SX21161022	Maysville-Mason County Landfill	0-2 Years	Not Funded	$2,000,000	Mason	5	1
SX21161006	Pinewood Subdivision Sewer	3-5 Years	Not Funded	$650,000	Mason	6	2
SX21135002	Garrison Sewer Phase II	3-5 Years	Not Funded	$2,000,000	Lewis	7	2
SX21069020	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Partially Funded	$525,000	Fleming	8	2
SX21201005	Mt. Olivet Phase III Sewer Line Extension	6-10 Years	Not Funded	$659,000	Robertson	9	2
SX21023011	Augusta Hamilton Avenue Upgrade	3-5 Years	Not Funded	$136,550	Bracken	10	2
SX21023007	Augusta-2nd Street Sewer Relinement	3-5 Years	Not Funded	$150,000	Bracken	11	3
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	3-5 Years	Not Funded	$1,386,500	Lewis	12	3
SX21161004	Maysville Utility Wastewater Dump Station	6-10 Years	Not Funded	$100,000	Mason	13	3
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	$840,000	Bracken	14	4
SX21135013	3037 Collection	6-10 Years	Not Funded	$1,000,000	Lewis	15	4
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	$950,000	Mason	16	4
SX21135003	Garrison Sewer Phase III	11-20 Years	Not Funded	$1,500,000	Lewis	17	5
SX21135020	LCSD Sewer Extension to Burtonville	6-10 Years	Not Funded	$1,080,000	Lewis	18	6
SX21135007	LCSD-Ribolt Area	6-10 Years	Not Funded	$794,000	Lewis	19	7
			Total Cost:	**$28,459,550**			

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 19.24 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.
- 12.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,495,050.
- 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 136 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 941 instances of improved service through the rehabilitation of 1.00 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			
Augusta Regional Sewer Authority	1	$12,208,500	81	877	-	-	12.00
City of Augusta	2	$286,550	-	64	-	1.00	-
Western Mason Sanitation District	1	$840,000	55	-	1.00	-	-
Totals:	**4**	**$13,335,050**	**136**	**941**	**1.00**	**1.00**	**12.00**

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	653	298
KYP000081	Western Mason Sanitation District	Mason	205	94
		Totals:	2,012	956

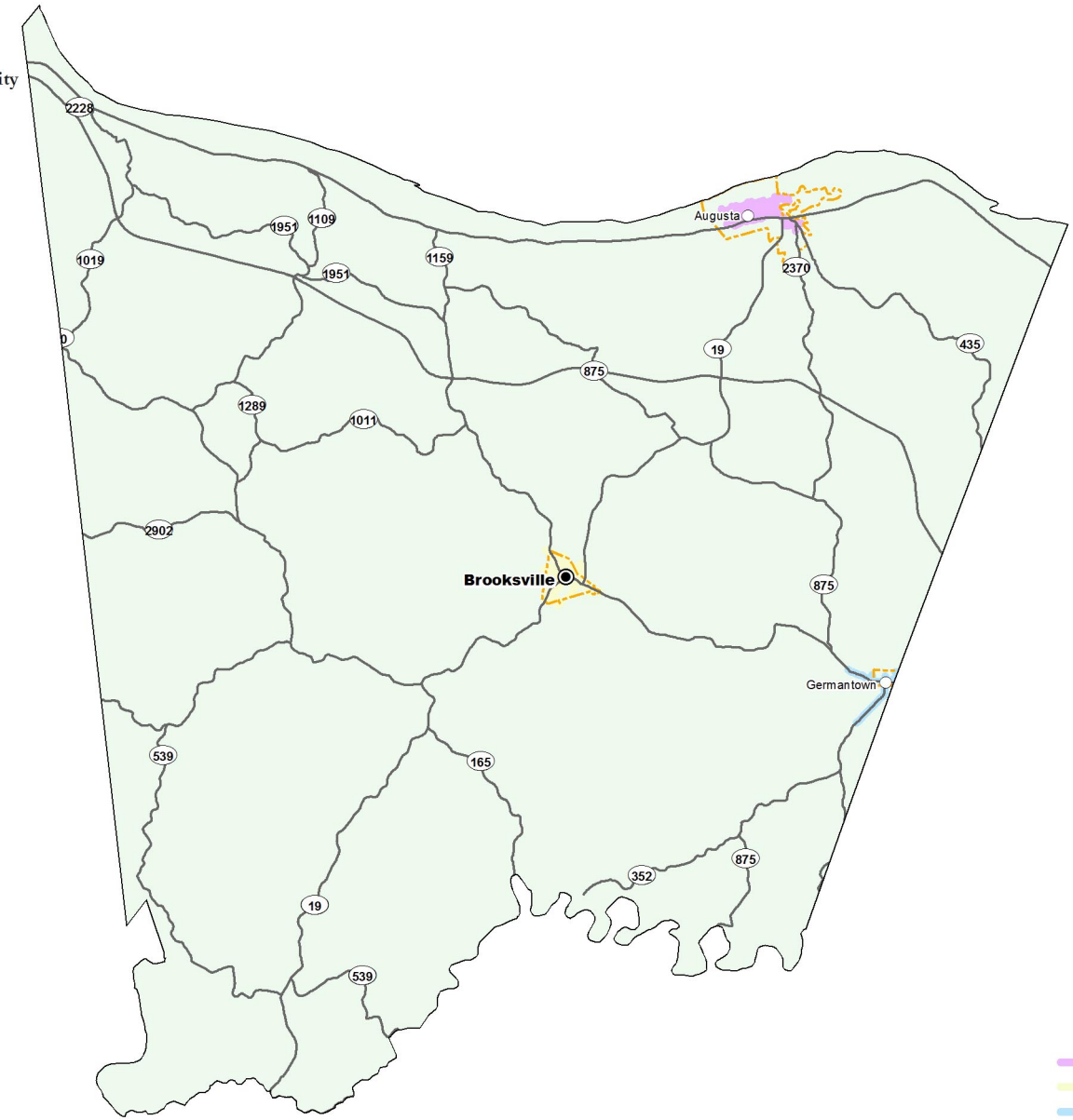
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BRACKEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Augusta Sewer

Permit ID	KY0021261	Treats Wastewater	Yes, 0.33 MGD with 0.088 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	563
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.16	Total KISOP Treated (MG)	-
Residential Customers	517	Total Treated (MG)	31.959
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 = 7.98 miles (Collection: 6.59 miles, Interceptors: 1.39 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	$12,208,500	Bracken	1	1
SX21023011	Augusta Hamilton Avenue Upgrade	3-5 Years	Not Funded	$136,550	Bracken	10	2
SX21023007	Augusta-2nd Street Sewer Relinement	3-5 Years	Not Funded	$150,000	Bracken	11	3

System Summary for Brooksville Sewer

Permit ID	KY0025232	Treats Wastewater	Yes, 0.12 MGD with 0.053 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	$33.30	Total KISOP Treated (MG)	-
Residential Customers	251	Total Treated (MG)	19.479
Commercial Customers	63	Number of Manholes	110
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 = 6.52 miles (Collection: 4.01 miles, Interceptors: 2.50 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	$12,208,500	Bracken	1	1

Fleming County

- 2010 census population of 14,348 (6,623 households) with 27% serviceable.
- Projected 2020 population of 14,880 (change of 532).
- Fleming County has 46.06 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: $735,000.
- 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 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 11 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 Flemingsburg	2	$735,000	-	11	-	-	3.00
Totals:	**2**	**$735,000**	**-**	**11**	**-**	**-**	**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	3,419	1,742
KY0052752	Morehead Utility Plant Board	Rowan	158	66
		Totals:	3,577	1,808

Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
FLEMING COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

SEWER SERVICE BY OWNER

- FLEMINGSBURG SEWER
- MOREHEAD UTILITY PLANT BOARD

System Summary for Ewing Sewer

Permit ID	KYP000075	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Incorporated City	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	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.

There are no immediate projects for Ewing Sewer

System Summary for Flemingsburg Sewer

Permit ID	KY0021229	Treats Wastewater	Yes, 0.65 MGD with 0.008 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,655
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$38.56	Total KISOP Treated (MG)	-
Residential Customers	1,441	Total Treated (MG)	103.700
Commercial Customers	209	Number of Manholes	557
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	5	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 42.68 miles (Collection: 38.24 miles, Interceptors: 4.44 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 Circle Drive & Textron Drive Sewer Line Replacement	3-5 Years	Not Funded	$210,000	Fleming	3	1
SX21069020	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Partially Funded	$525,000	Fleming	8	2

Lewis County

- 2010 census population of 13,870 (6,481 households) with 25% serviceable.
- Projected 2020 population of 13,899 (change of 29).
- Lewis County has 58.07 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: $3,656,500.
- Estimated funding needs for projects from 6 to 10 years: $2,874,000.

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 25 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 100 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	-	100	-	-	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**	**100**	**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	844	389
KY0078123	Meadowbrook Subdivision	Lewis	261	104
KY0021512	Vanceburg Sewer	Lewis	1,471	713
		Totals:	3,384	1,579

Kentucky Infrastructure Authority
February 19, 2016

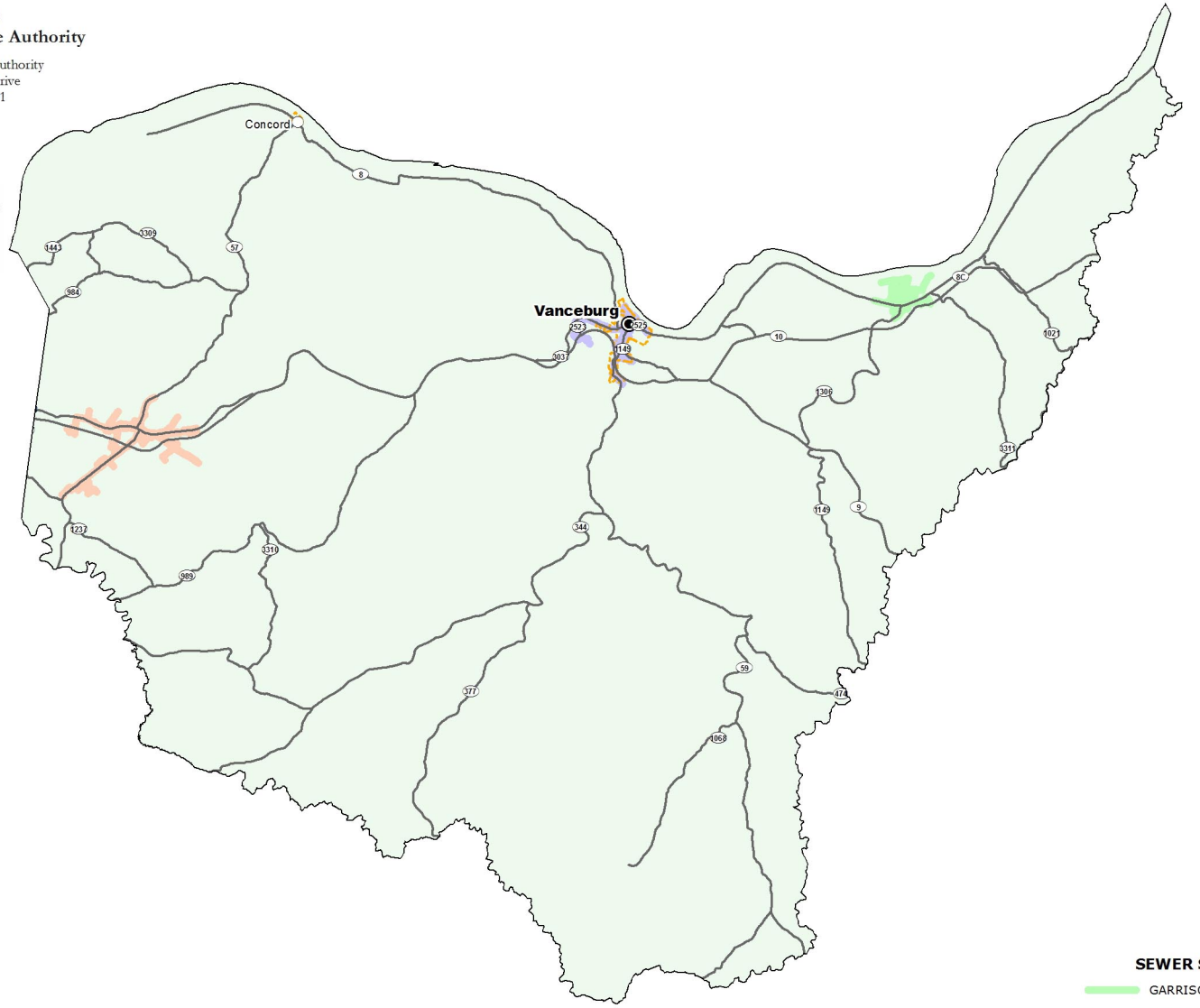
SEWER SERVICE AREAS
LEWIS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Garrison Sewer

Permit ID	KY0105422	Treats Wastewater	Yes, 0.11 MGD with 0.036 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	$44.00	Total KISOP Treated (MG)	-
Residential Customers	288	Total Treated (MG)	8.536
Commercial Customers	20	Number of Manholes	7
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: 16.42 miles, Interceptors: 0.49 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	3-5 Years	Not Funded	$2,000,000	Lewis	7	2

System Summary for Lewis County Sanitation District #1

Permit ID	KY0102601	Treats Wastewater	Yes, 0.12 MGD with 0.062 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	550
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$38.65	Total KISOP Treated (MG)	-
Residential Customers	530	Total Treated (MG)	22.630
Commercial Customers	20	Number of Manholes	134
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 = 25.16 miles (Collection: 14.43 miles, Interceptors: 10.72 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
SX21135022	Tollesboro Industrial Park (Sewer)	3-5 Years	Not Funded	$270,000	Lewis	4	1
SX21135020	LCSD Sewer Extension to Burtonville	6-10 Years	Not Funded	$1,080,000	Lewis	18	6
SX21135007	LCSD-Ribolt Area	6-10 Years	Not Funded	$794,000	Lewis	19	7

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	119
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	119	Total Treated (MG)	6.570
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 = 1.40 miles (Collection: 1.28 miles, Interceptors: 0.12 miles).

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

There are no immediate projects for Meadowbrook Subdivision

System Summary for Vanceburg Sewer

Permit ID	KY0021512	Treats Wastewater	Yes, 0.41 MGD with 0.157 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	723
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	614	Total Treated (MG)	57.353
Commercial Customers	92	Number of Manholes	281
Institutional Customers	1	Number of Lift Stations	15
Industrial Customers	16	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 13.61 miles (Collection: 10.42 miles, Interceptors: 3.19 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	12	3
SX21135013	3037 Collection	6-10 Years	Not Funded	$1,000,000	Lewis	15	4

Mason County

- 2010 census population of 17,490 (8,105 households) with 57% serviceable.
- Projected 2020 population of 18,419 (change of 929).
- Mason County has 114.93 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: $7,150,500.
- Estimated funding needs for projects from 6 to 10 years: $1,890,000.

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 57 percent of the county's households based on 2010 census counts. Over the next ten years approximately 560 serviceable households will be added through the construction of 0.00 miles of sewer line extensions and approximately 3,062 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	2	$6,000,000	-	2,552	-	-	6.00
Maysville Utility Commission	1	$100,000	500	-	-	-	-
Western Mason Sanitation District	4	$2,940,500	60	510	-	-	4.00
Totals:	**7**	**$9,040,500**	**560**	**3,062**	**-**	**-**	**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	8,568	4,272
KYP000081	Western Mason Sanitation District	Mason	816	361
		Totals:	9,384	4,633

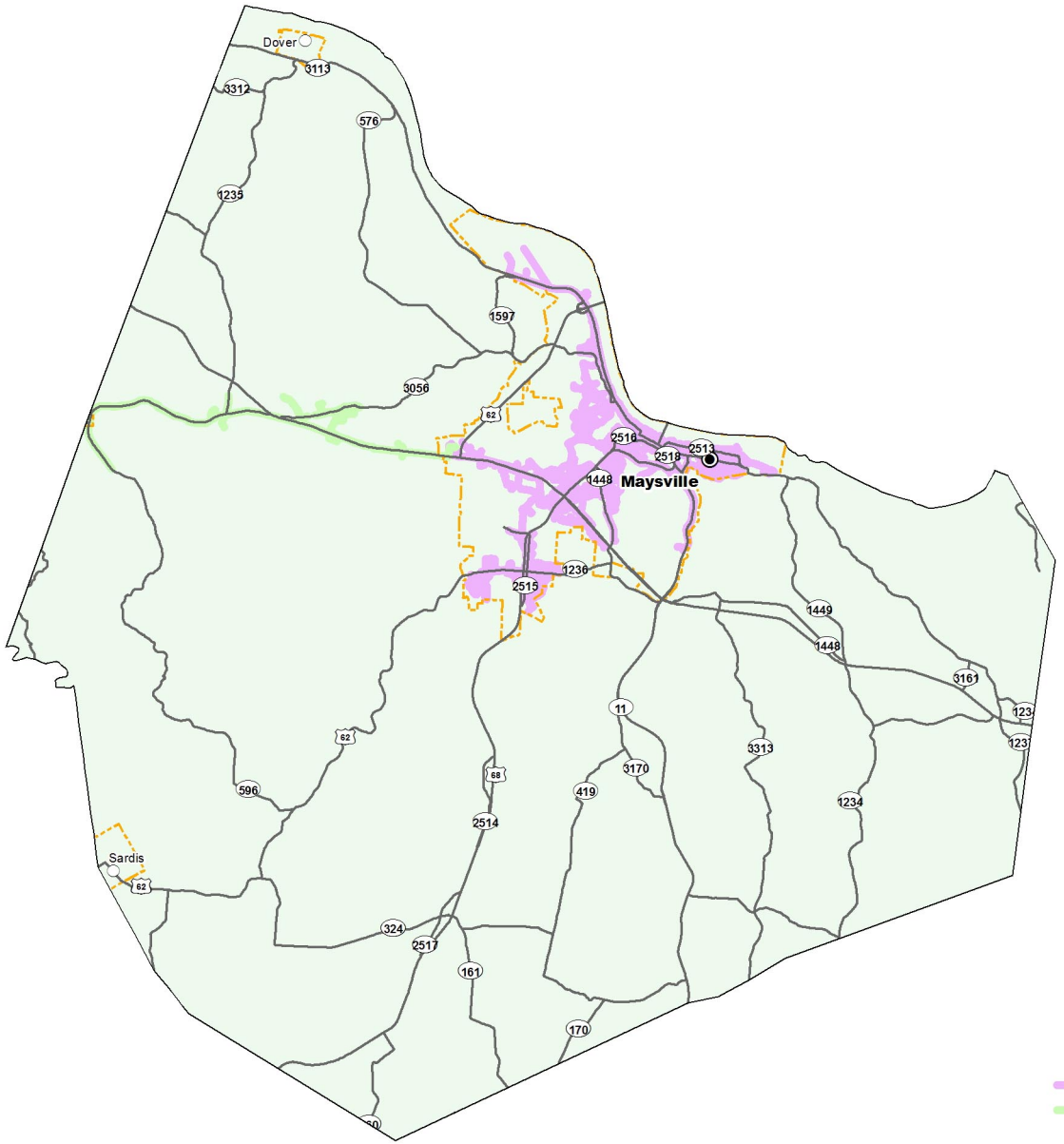
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MASON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Maysville Sewer

Permit ID	KY0020257	Treats Wastewater	Yes, 3.4 MGD with 1.44 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3,659
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)	10.500
Residential Customers	3,104	Total Treated (MG)	267,209.000
Commercial Customers	408	Number of Manholes	1534
Institutional Customers	110	Number of Lift Stations	26
Industrial Customers	36	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 80% Constructed

Total Collection System Line Length = 91.43 miles (Collection: 72.32 miles, Interceptors: 19.10 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	5	1
SX21161004	Maysville Utility Wastewater Dump Station	6-10 Years	Not Funded	$100,000	Mason	13	3
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	$840,000	Bracken	14	4
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	$950,000	Mason	16	4
SX21161025	Maysville WWTP upgrade.	0-2 Years	Not Funded	$4,000,000	Mason		

System Summary for Pinewood Subdivision STP

Permit ID	KY0076724	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	$22.05	Total KISOP Treated (MG)	-
Residential Customers	75	Total Treated (MG)	2.920
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 Pinewood Subdivision STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21161006	Pinewood Subdivision Sewer	3-5 Years	Not Funded	$650,000	Mason	6	2

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)	10.500
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 = 28.19 miles (Collection: 28.19 miles, Interceptors: 0.00 miles).			

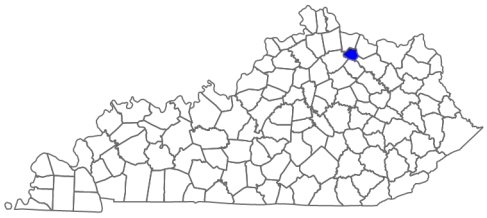
MG = Million Gallons.
MGD = Million Gallons per Day.

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	3-5 Years	Not Funded	$650,000	Mason	6	2
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	$840,000	Bracken	14	4
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	$950,000	Mason	16	4
SX21161021	Western Mason Lift Station Upgrade	3-5 Years	Not Funded	$500,500	Mason		

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 17.86 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: $2,000,000.
- 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	$2,659,000	50	256	4.00	-	-
Totals:	**2**	**$2,659,000**	**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

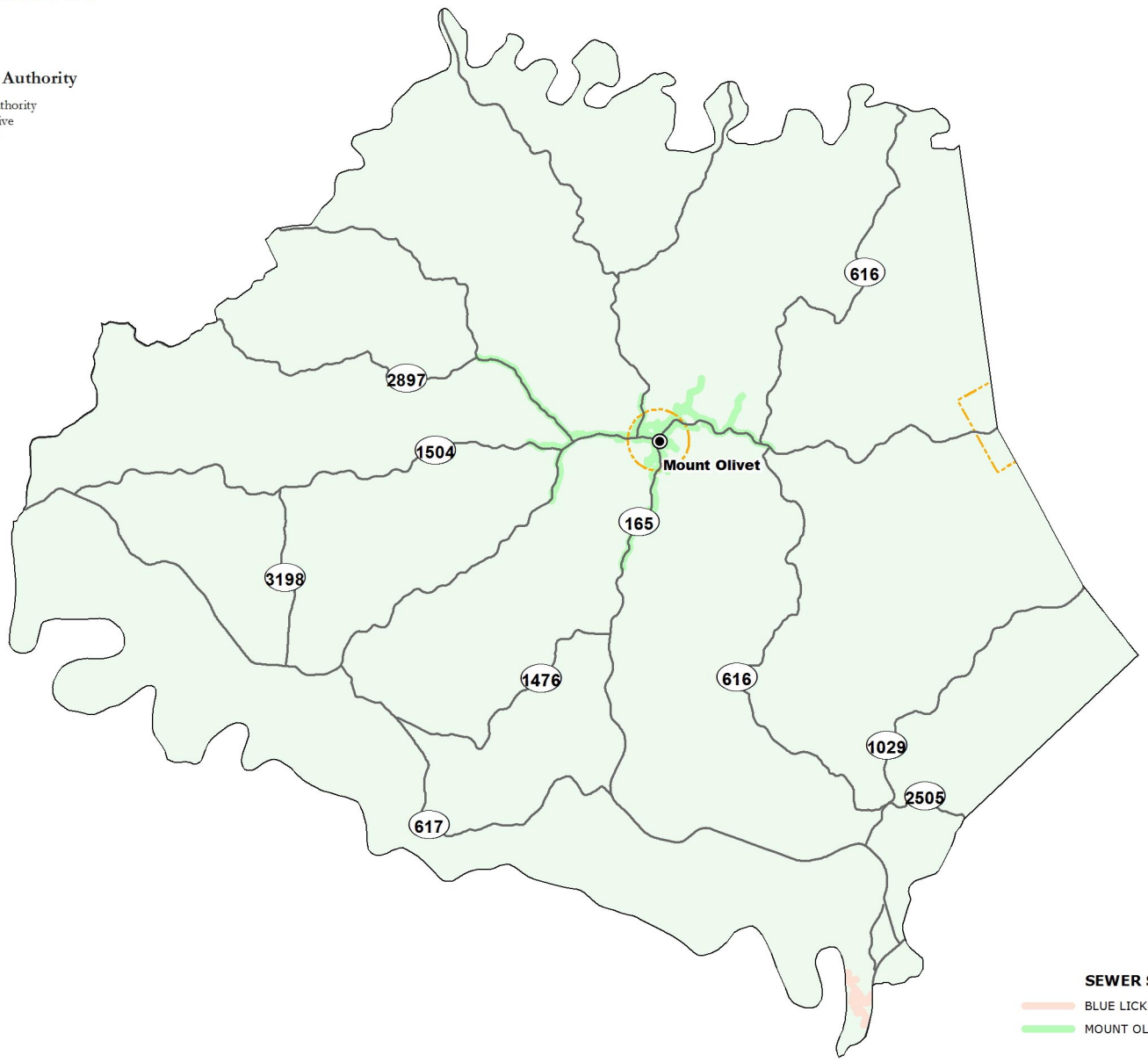
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
ROBERTSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Mount Olivet Sewer

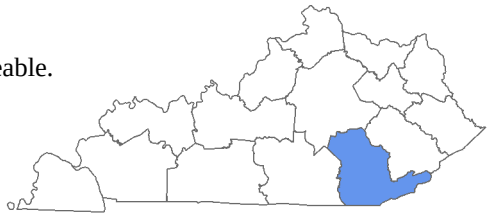
Permit ID	KY0104299	Treats Wastewater	Yes, 0.04 MGD with 0.039 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	255
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$52.00	Total KISOP Treated (MG)	-
Residential Customers	255	Total Treated (MG)	14.302
Commercial Customers	-	Number of Manholes	7
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 = 16.42 miles (Collection: 16.42 miles, Interceptors: 0.01 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
SX21201008	Mt. Olivet Phase 2 - Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	$2,000,000	Robertson	2	1
SX21201005	Mt. Olivet Phase III Sewer Line Extension	6-10 Years	Not Funded	$659,000	Robertson	9	2

Cumberland Valley Area Development District (CVADD)



- 2010 census population of 236,618 (104,865 households) with 33% serviceable.
- Projected 2020 population of 237,501 (change of 883).
- 696.77 miles of existing sewer lines.
- 580.00 miles of line extensions proposed in the next 10 years.
- 35.00 miles of line rehabilitation proposed in the next 10 years.
- 46.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $122,733,246.
- Estimated funding needs for projects from 6 to 10 years: $93,072,369.
- Average age of wastewater treatment plants is 33 years.
- Total number of interconnected systems is 2.
- 165 miles of sewer lines less than 15 years old.
- 112 miles of sewer lines between 15 and 30 years old.
- 239 miles of sewer lines between 31 and 50 years old.
- 141 miles of sewer lines between 51 and 70 years old.
- 37 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 33 percent of the district's households based on 2010 census counts. Over the next ten years approximately 19,933 serviceable households will be added through the construction of 580.00 miles of sewer line extensions and approximately 16,105 instances of improved service through the rehabilitation of 35.00 miles of existing sewer lines and other appurtenances. 46.00 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	6,308	48%	$ 25,068,348
Clay	21,730	8,875	20,289	7,421	1,834	21%	$ 17,086,503
Harlan	29,278	13,513	26,099	10,856	5,556	41%	$ 26,733,802
Jackson	13,494	6,523	13,771	5,961	482	7%	$ 1,400,000
Knox	31,883	14,485	32,132	13,362	4,632	32%	$ 6,835,362
Laurel	58,849	25,446	64,713	26,415	9,281	37%	$ 88,584,785
Rockcastle	17,056	7,703	17,593	7,308	2,061	27%	$ 25,649,110
Whitley	35,637	15,166	35,256	14,048	4,917	32%	$ 24,447,705
Totals	**236,618**	**104,865**	**237,501**	**97,085**	**35,071**	**33%**	**$ 215,805,615**

Kentucky Infrastructure Authority
February 19, 2016

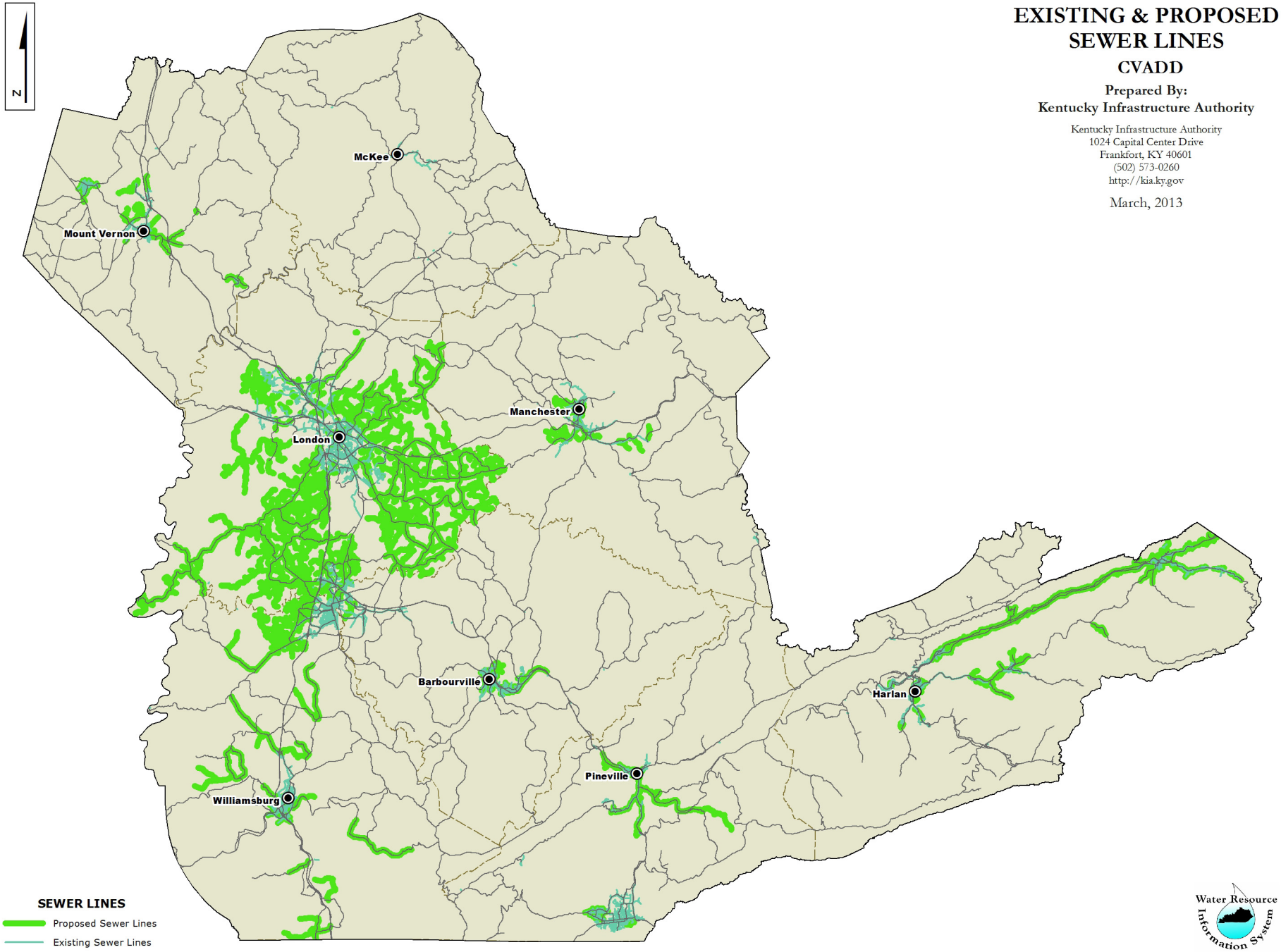
EXISTING & PROPOSED SEWER LINES

CVADD

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



Public Sewer Systems in the Cumberland Valley Area Development District

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

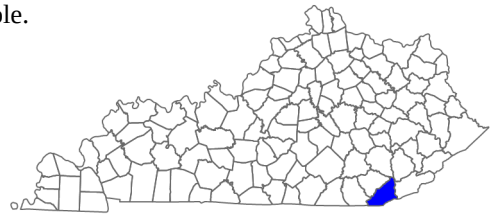
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0072885	City of Middlesboro	Bell	10,364	4,971
KY0024058	Pineville Utility Commission	Bell	3,106	1,329
KY0029122	City of Manchester	Clay	4,514	1,814
KY0025755	City of Benham	Harlan	778	406
KY0021571	City of Cumberland	Harlan	2,198	1,047
KY0073091	City of Evarts	Harlan	1,307	482
KY0077615	City of Evarts Turner Trailer Park	Harlan	81	43
KY0026093	City of Harlan	Harlan	5,785	2,677
KY0026115	City of Loyall	Harlan	788	393
KY0024279	City of Lynch	Harlan	839	499
KY0034444	City of McKee	Jackson	878	482
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	12,410	5,604
KYP000063	Wood Creek Water District	Laurel	4,908	2,227
KY0047431	City of Brodhead	Rockcastle	1,187	535
KY0040703	City of Livingston	Rockcastle	198	105
KY0024694	City of Mount Vernon	Rockcastle	3,009	1,421
KY0028347	City of Williamsburg	Whitley	5,633	2,165
		Totals:	76,722	34,935

Project Rankings For Cumberland Valley Area Development District

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	1	3
SX21203001	Wastewater Collection System Improvement Project	0-2 Years	Not Funded	$293,110	Rockcastle	2	1
SX21013003	Courthouse Square Utility Replacement	0-2 Years	Not Funded	$2,255,948	Bell	3	2
SX21013005	Middlesboro WWTP UV Disinfection Addition	0-2 Years	Not Funded	$950,000	Bell	4	1
SX21109001	Phase 1 - Wastewater System Rehabilitation	3-5 Years	Not Funded	$1,400,000	Jackson	5	1
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	$3,085,000	Harlan	6	5
SX21121001	Sewer Extension to Grace Community Health Facility1	0-2 Years	Not Funded	$354,025	Knox	7	1
SX21235006	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	$4,732,000	Whitley	8	3
SX21013006	Pineville WWTP Expansion	0-2 Years	Not Funded	$9,500,000	Bell	9	3
SX21125322	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	$10,150,000	Laurel	10	1
SX21013148	Middlesboro: Noetown Sewer Rehab/Binghamtown PS Rehab	0-2 Years	Partially Funded	$2,550,000	Bell	11	6
SX21125115	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	$231,475	Laurel	12	2
SX21013142	Middlesboro - "y" Road Sewer Extension/Whitmer Industrial Park	3-5 Years	Not Funded	$1,097,000	Bell	13	7
SX21095004	City of Loyall - wastewater Line Replacement Project Phase 3	3-5 Years	Not Funded	$1,284,500	Harlan	14	7
SX21095008	U.S. 119 Fourmile - Wallins Sanitary Sewer Extension	0-2 Years	Partially Funded	$3,031,578	Harlan	15	4
SX21051007	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	$425,000	Clay	16	1
SX21235005	Ball Park Pump Station/ Force Main - Phase II	0-2 Years	Not Funded	$1,599,411	Whitley	17	2
SX21235004	Sanitary Sewer Rehabilitation and I&I Removal Project	0-2 Years	Partially Funded	$2,516,489	Whitley	18	1
SX21095009	City of Cumberland Waste Water Treatment Plant Rehabilitation	0-2 Years	Not Funded	$555,000	Harlan	19	1
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	20	3
SX21051048	Red Bird Mission Wastewater Plant Replacement	3-5 Years	Not Funded	$900,000	Clay	21	2
SX21125002	South US 25 Force Main Sewer	0-2 Years	Not Funded	$588,132	Laurel	22	3
SX21203191	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	$5,500,000	Rockcastle	23	2
SX21125318	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	$1,199,266	Laurel	24	5
SX21253111	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greendale Street	3-5 Years	Not Funded	$248,020	Laurel	25	6
SX21095055	Evarts Pride Wastewater Sewer Extension	3-5 Years	Not Funded	$600,000	Harlan	26	8
SX21125005	Fariston Road Sanitary Sewer Extension	0-2 Years	Unknown	$0	Laurel	27	4
SX21013144	Pineville - PMRIDA Sewer Ext to Industrial Park	0-2 Years	Partially Funded	$4,994,000	Bell	28	4
SX21095509	City of Benham Rehabilitation	3-5 Years	Not Funded	$450,000	Harlan	29	2
SX21103156	US 119 Sewer Line Extension	3-5 Years	Not Funded	$3,300,000	Bell	30	5
SX21125151	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	$4,000,000	Laurel	31	7
			Total Cost:	**$74,543,444**			

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 90.89 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: $20,999,948.
- Estimated funding needs for projects from 6 to 10 years: $4,068,400.



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 1,599 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	-	-	-	-	-
City of Pineville	6	$15,824,348	117	1,389	5.00	1.00	2.00
Totals:	**9**	**$25,068,348**	**331**	**1,599**	**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

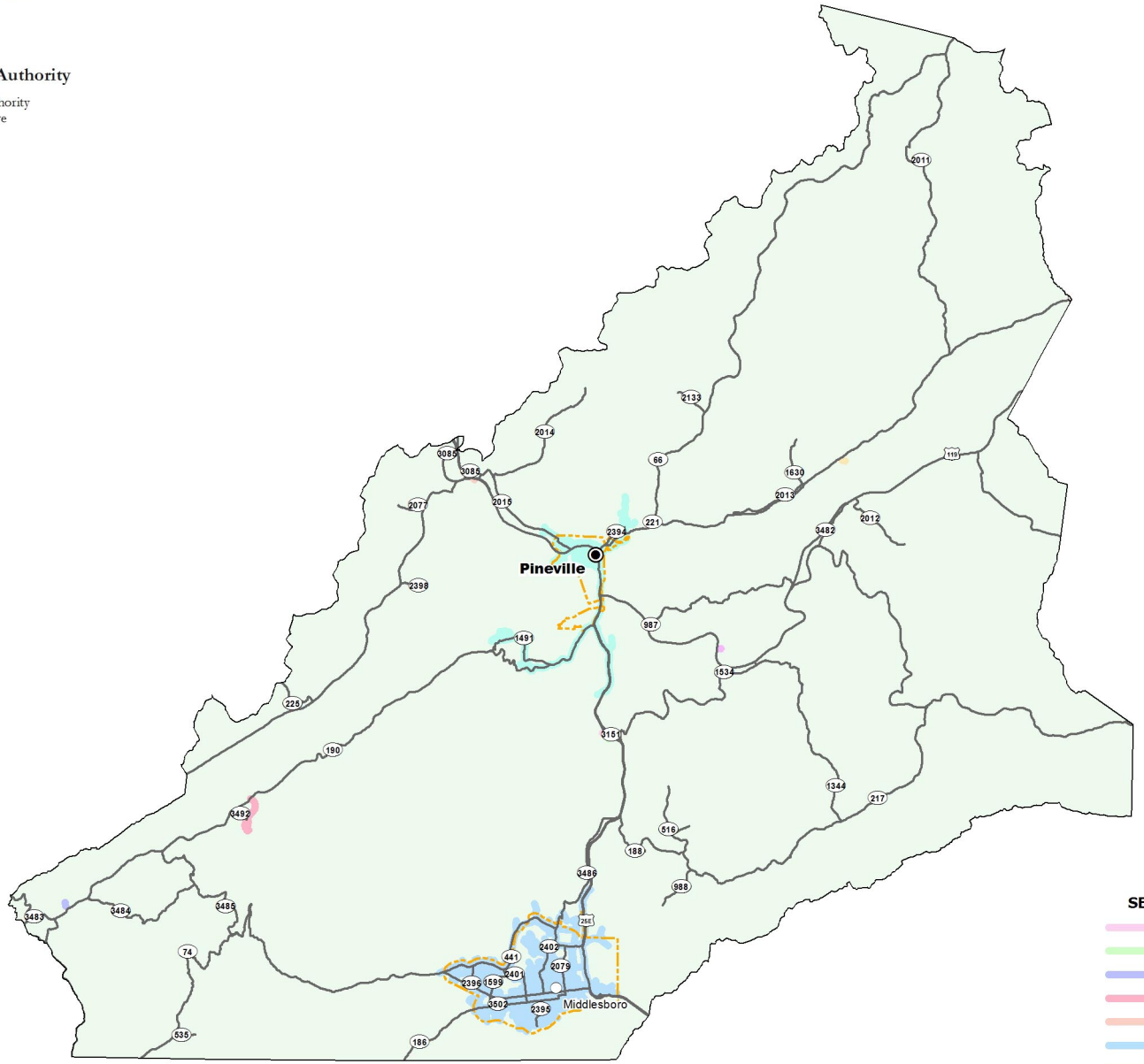
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	4,560
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	3,948	Total Treated (MG)	790.650
Commercial Customers	584	Number of Manholes	5055
Institutional Customers	-	Number of Lift Stations	25
Industrial Customers	4	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 63.74 miles (Collection: 63.64 miles, Interceptors: 0.10 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 Pineville Utility Commission

Permit ID	KY0024058	Treats Wastewater	Yes, 0.72 MGD with 0.72 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	840
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	22	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.74	Total KISOP Treated (MG)	-
Residential Customers	717	Total Treated (MG)	219.000
Commercial Customers	123	Number of Manholes	167
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: 24.97 miles, Interceptors: 0.18 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	Courthouse Square Utility Replacement	0-2 Years	Not Funded	$2,255,948	Bell	3	2
SX21013006	Pineville WWTP Expansion	0-2 Years	Not Funded	$9,500,000	Bell	9	3
SX21013144	Pineville - PMRIDA Sewer Ext to Industrial Park	0-2 Years	Partially Funded	$4,994,000	Bell	28	4
SX21103156	US 119 Sewer Line Extension	3-5 Years	Not Funded	$3,300,000	Bell	30	5
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 43.89 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: $2,505,000.
- 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 771 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	5	$14,485,000	-	771	-	10.00	-
Clay County Fiscal Court	1	$900,000	1,321	-	-	-	-
East Laurel Water District	1	$1,701,503	-	-	-	-	-
Totals:	**7**	**$17,086,503**	**1,321**	**771**	**-**	**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	4,514	1,814
		Totals:	4,514	1,814

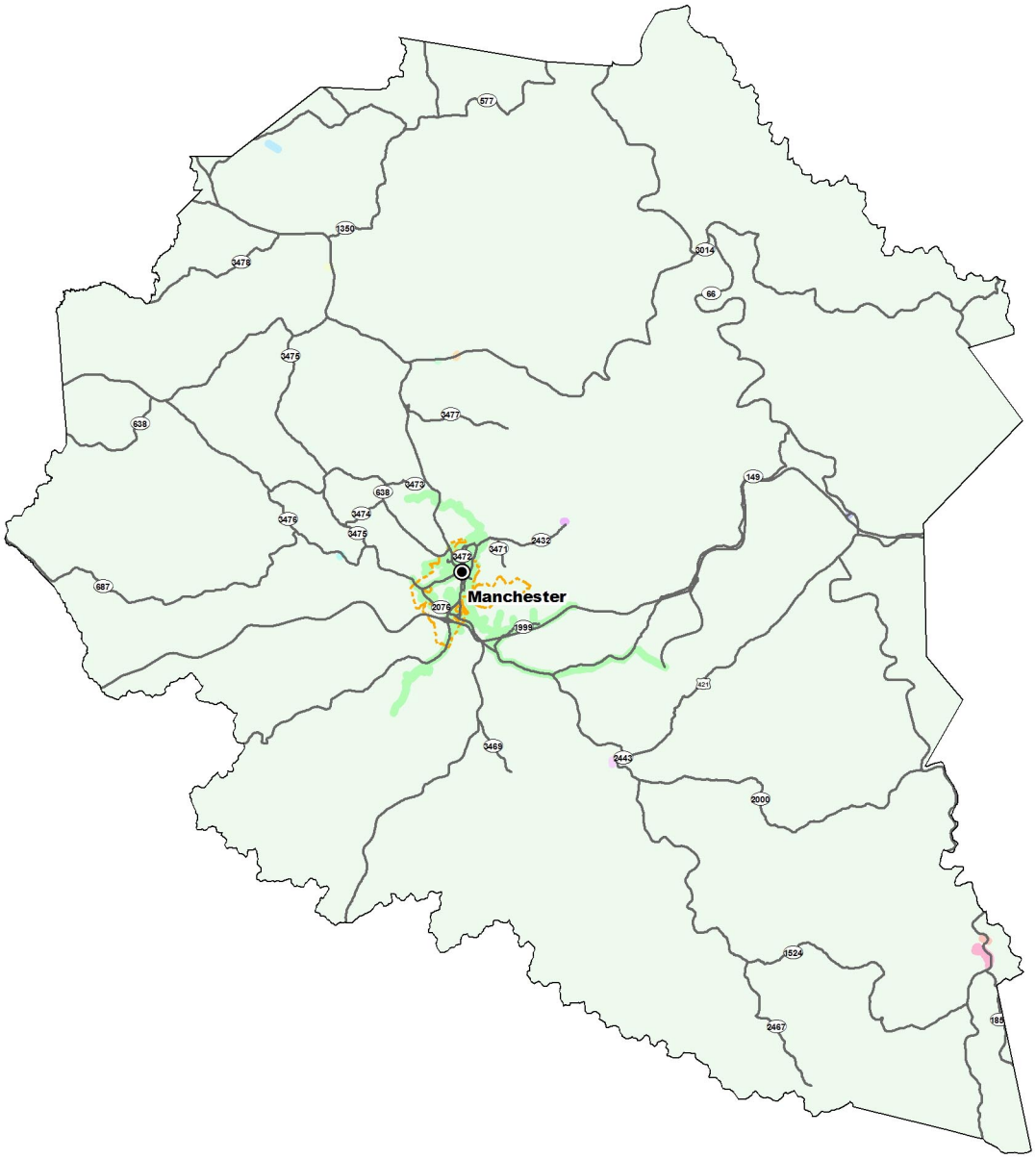
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CLAY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	1,064
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$15.88	Total KISOP Treated (MG)	-
Residential Customers	894	Total Treated (MG)	202.670
Commercial Customers	169	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 = 41.81 miles (Collection: 41.69 miles, Interceptors: 0.12 miles).			

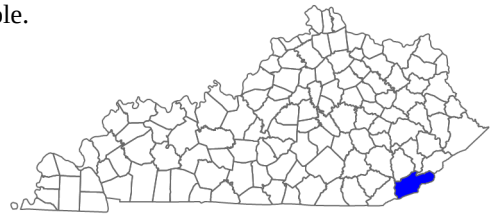
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21051007	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	$425,000	Clay	16	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		
SX21051006	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	$1,180,000	Clay		
SX21051002	Frog Level Sewer Line Replacement	6-10 Years	Not Funded	$780,000	Clay		

Harlan County

- 2010 census population of 29,278 (13,513 households) with 41% serviceable.
- Projected 2020 population of 26,099 (change of -3,179).
- Harlan County has 101.03 miles of existing sewer lines.
- 37.00 miles of line extensions proposed in the next 10 years.
- 16.00 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: $13,717,013.
- 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 41 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,321 serviceable households will be added through the construction of 37.00 miles of sewer line extensions and approximately 5,597 instances of improved service through the rehabilitation of 16.00 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 Benham	3	$776,000	422	417	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	1	$1,284,500	-	391	-	2.00	-
City of Lynch	2	$3,181,808	76	385	2.00	4.00	-
Harlan County Fiscal Court	2	$6,755,047	500	-	11.00	-	2.00
Totals:	**17**	**$26,733,802**	**3,321**	**5,597**	**37.00**	**16.00**	**5.00**

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	778	406
KY0021571	City of Cumberland	Harlan	2,198	1,047
KY0073091	City of Evarts	Harlan	1,307	482
KY0077615	City of Evarts Turner Trailer Park	Harlan	81	43
KY0026093	City of Harlan	Harlan	5,785	2,677
KY0026115	City of Loyall	Harlan	788	393
KY0024279	City of Lynch	Harlan	839	499
		Totals:	11,776	5,547

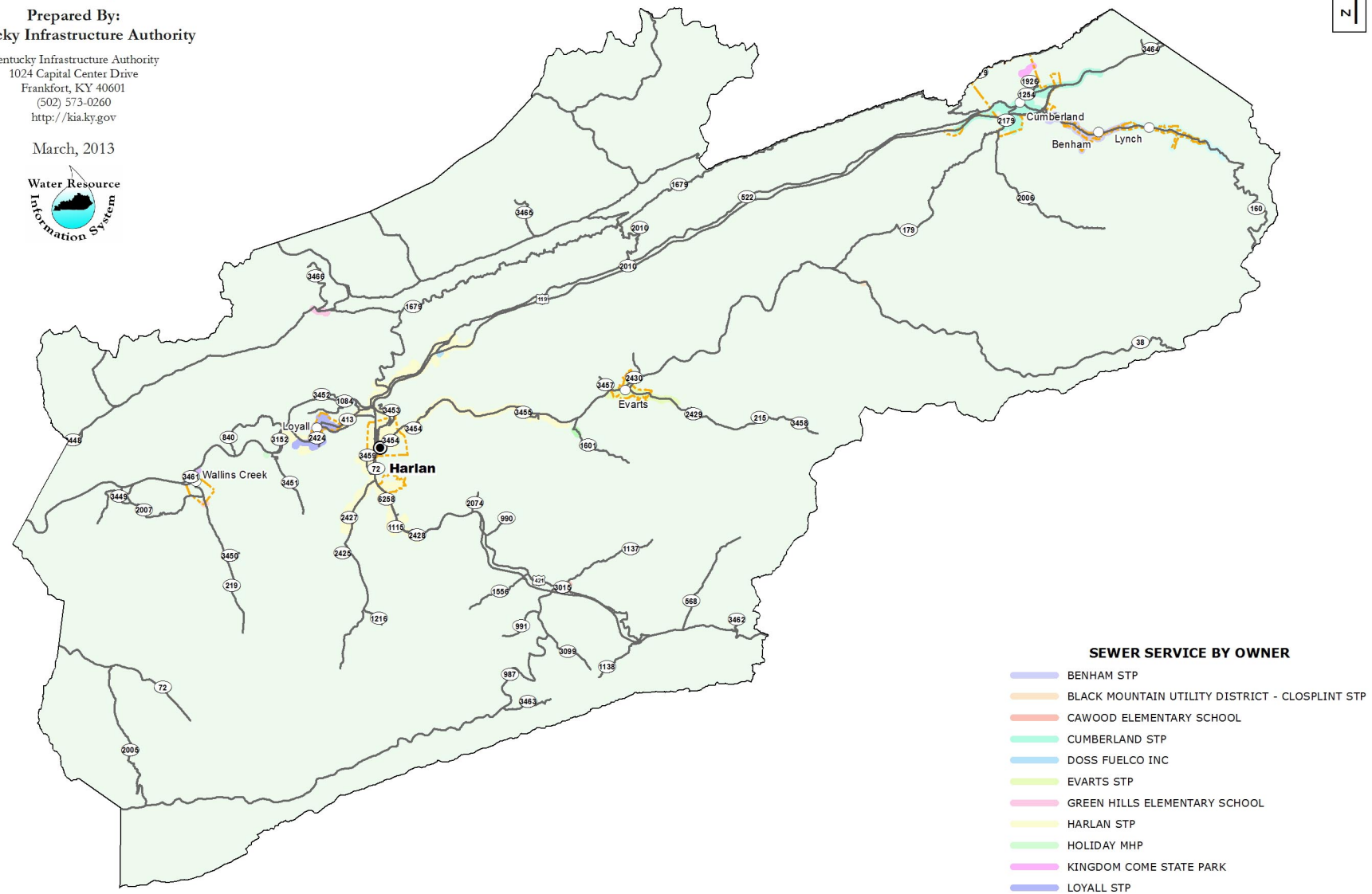
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HARLAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Black Mountain Utility District - Closplint

Permit ID	KY0105155	Treats Wastewater	Yes, 0.005 MGD with 0 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	10	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.

There are no immediate projects for Black Mountain Utility District - Closplint

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	408
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.96	Total KISOP Treated (MG)	-
Residential Customers	300	Total Treated (MG)	18.980
Commercial Customers	-	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 = 7.81 miles (Collection: 7.77 miles, Interceptors: 0.03 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	6	5
SX21095509	City of Benham Rehabilitation	3-5 Years	Not Funded	$450,000	Harlan	29	2
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	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.45	Total KISOP Treated (MG)	-
Residential Customers	735	Total Treated (MG)	273.750
Commercial Customers	101	Number of Manholes	260
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 = 14.99 miles (Collection: 14.95 miles, Interceptors: 0.03 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	6	5
SX21095009	City of Cumberland Waste Water Treatment Plant Rehabilitation	0-2 Years	Not Funded	$555,000	Harlan	19	1
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		

System Summary for City of Evarts

Permit ID	KY0073091	Treats Wastewater	Yes, 0.12 MGD with 0.85 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	457
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.50	Total KISOP Treated (MG)	-
Residential Customers	450	Total Treated (MG)	36.500
Commercial Customers	7	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: 7.86 miles, Interceptors: 0.04 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	26	8
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 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.75	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 = 0.33 miles (Collection: 0.31 miles, Interceptors: 0.02 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	4,089
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	3,705	Total Treated (MG)	343.100
Commercial Customers	378	Number of Manholes	410
Institutional Customers	4	Number of Lift Stations	10
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 52.36 miles (Collection: 52.36 miles, Interceptors: 0.00 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	1	3
SX21095008	U.S. 119 Fourmile - Wallins Sanitary Sewer Extension	0-2 Years	Partially Funded	$3,031,578	Harlan	15	4
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 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	422
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.65	Total KISOP Treated (MG)	-
Residential Customers	401	Total Treated (MG)	25.261
Commercial Customers	21	Number of Manholes	101
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 = 7.26 miles (Collection: 7.24 miles, Interceptors: 0.02 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
SX21095004	City of Loyall - wastewater Line Replacement Project Phase 3	3-5 Years	Not Funded	$1,284,500	Harlan	14	7

System Summary for City of Lynch

Permit ID	KY0024279	Treats Wastewater	Yes, 0.2 MGD with 0.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	377
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.48	Total KISOP Treated (MG)	-
Residential Customers	317	Total Treated (MG)	87.756
Commercial Customers	5	Number of Manholes	213
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 = 9.04 miles (Collection: 9.04 miles, Interceptors: 0.00 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	6	5
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 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	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

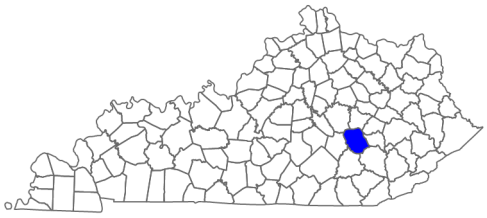
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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 7% serviceable.
- Projected 2020 population of 13,771 (change of 277).
- Jackson County has 10.50 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 7 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	878	482
		Totals:	878	482

Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
JACKSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

SEWER SERVICE BY OWNER

- ANNVILLE INSTITUTE
- JACKSON CO REGIONAL IND PARK
- JACKSON MANOR
- MCKEE STP
- SAND GAP ELEM SCHOOL
- TYNER ELEM SCHOOL

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	198
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	133	Total Treated (MG)	37.000
Commercial Customers	65	Number of Manholes	110
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 10.12 miles (Collection: 9.80 miles, Interceptors: 0.32 miles).			

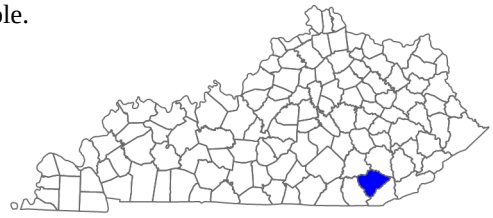
MG = Million Gallons.
MGD = Million Gallons per Day.

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	Not Funded	$1,400,000	Jackson	5	1

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 78.86 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.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $354,025.
- Estimated funding needs for projects from 6 to 10 years: $6,481,337.



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 218 serviceable households will be added through the construction of 6.00 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 Corbin	1	$354,025	-	-	-	-	-
Corbin City Utilities Commission	1	$163,337	38	-	-	-	-
Knox County Fiscal Court	2	$5,068,000	110	-	2.00	-	-
Knox County Utility Commission	1	$1,250,000	70	-	4.00	-	-
Totals:	**5**	**$6,835,362**	**218**	**-**	**6.00**	**-**	**-**

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

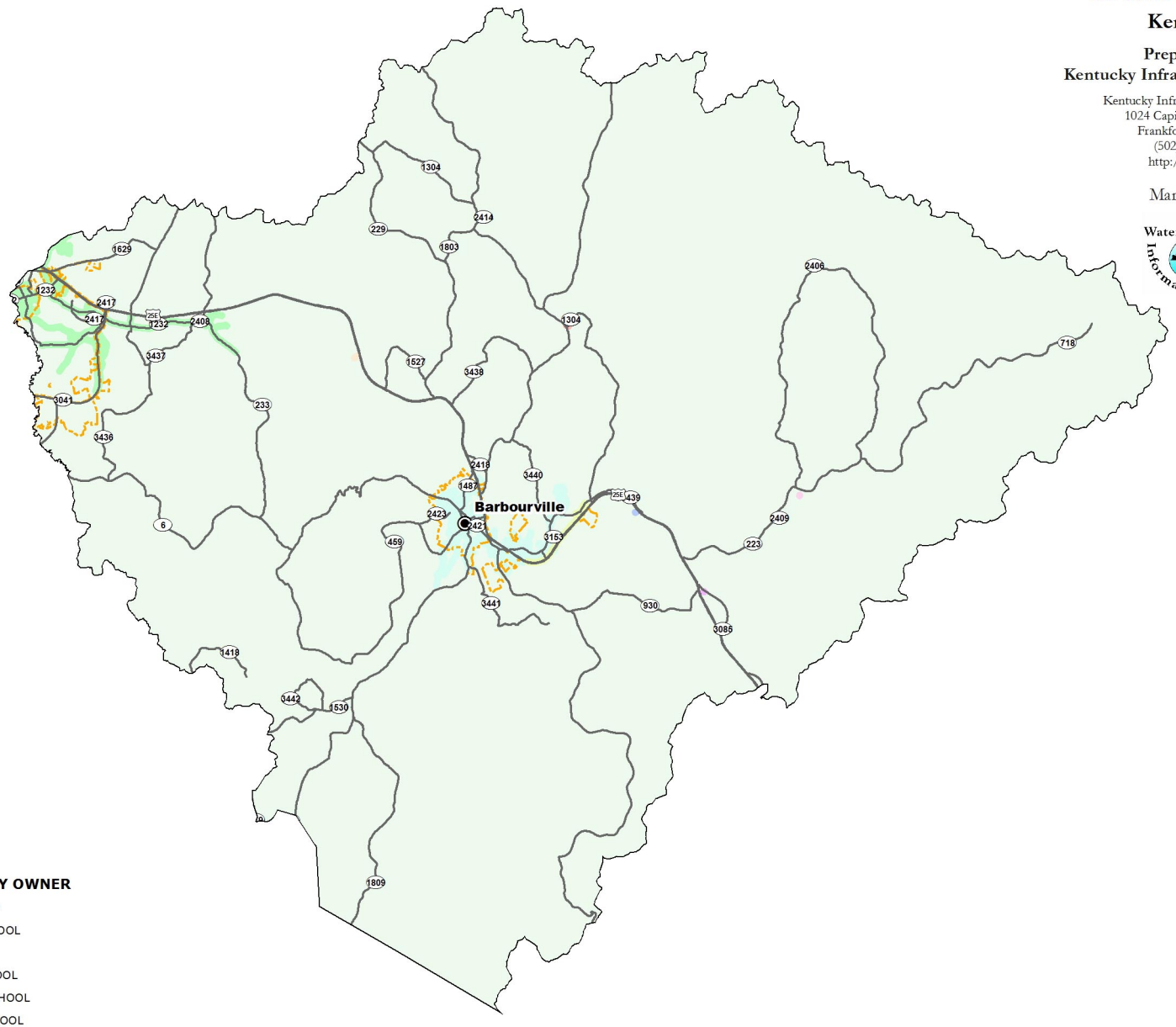
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
KNOX COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	2,292
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	12	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.24	Total KISOP Treated (MG)	0.960
Residential Customers	1,899	Total Treated (MG)	351.495
Commercial Customers	392	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: 42.53 miles, Interceptors: 0.34 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	16
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	0.960
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	13	Total Treated (MG)	531.984
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).			

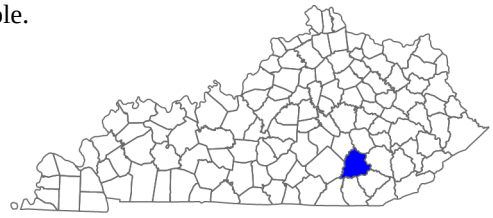
MG = Million Gallons.
MGD = Million Gallons per Day.

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 37% serviceable.
- Projected 2020 population of 64,713 (change of 5,864).
- Laurel County has 222.11 miles of existing sewer lines.
- 475.00 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: $54,333,250.
- Estimated funding needs for projects from 6 to 10 years: $34,251,535.



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 37 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12,195 serviceable households will be added through the construction of 475.00 miles of sewer line extensions and approximately 3,500 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			
Corbin City Utilities Commission	2	$479,495	24	-	1.00	-	-
East Laurel Water District	20	$34,193,889	4,908	3,500	255.00	-	-
Knox County Fiscal Court	1	$1,315,000	30	-	-	-	-
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	3	$15,750,000	2,013	-	7.00	-	35.00
Totals:	**48**	**$88,584,785**	**12,195**	**3,500**	**475.00**	**-**	**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	12,410	5,604
KYP000063	Wood Creek Water District	Laurel	4,908	2,227
		Totals:	20,325	9,182

Kentucky Infrastructure Authority
February 19, 2016

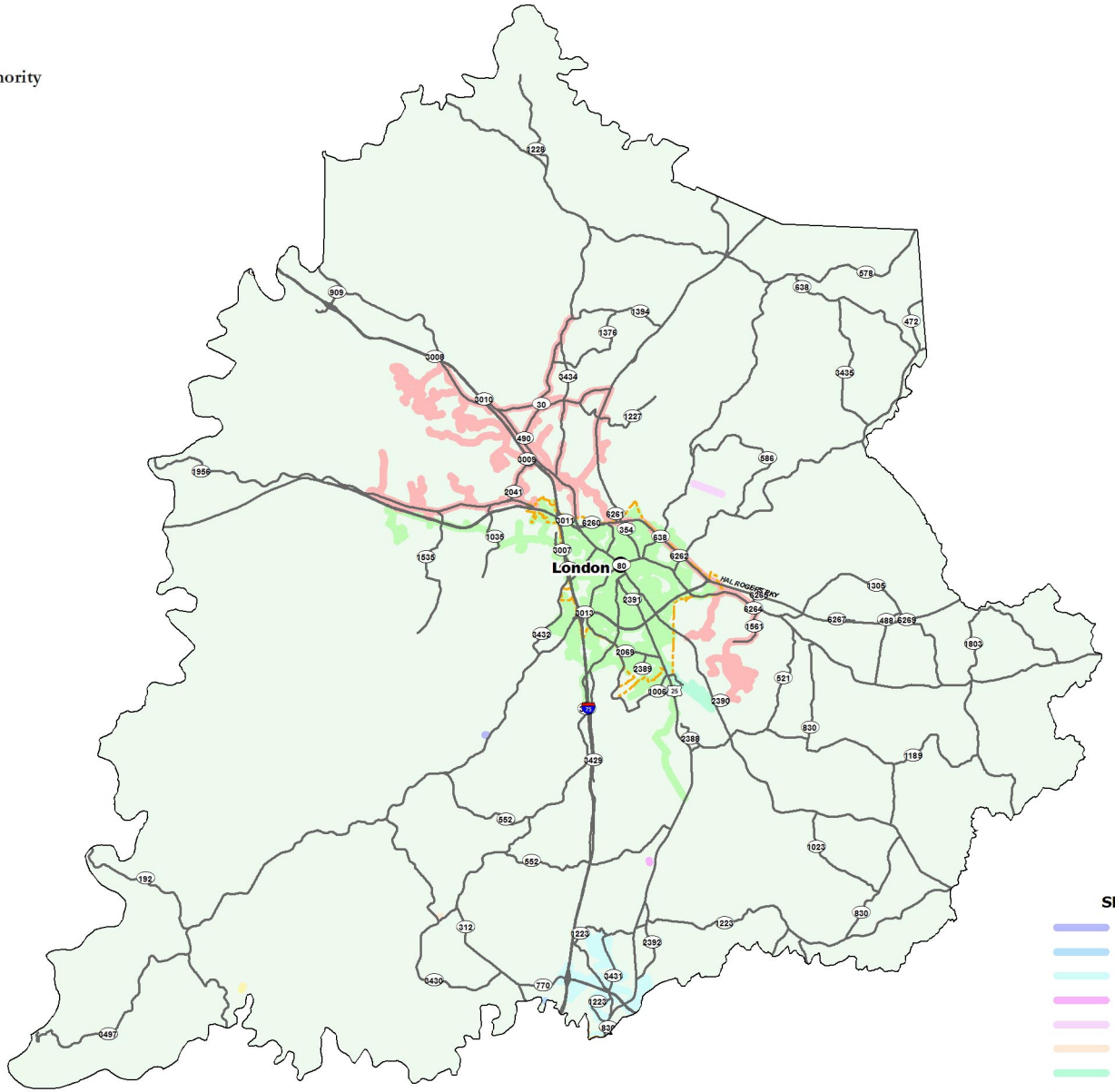
SEWER SERVICE AREAS
LAUREL COUNTY
Kentucky

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

- 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 1.216 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,407
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	13	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.72	Total KISOP Treated (MG)	-
Residential Customers	3,531	Total Treated (MG)	444.070
Commercial Customers	870	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: 108.62 miles, Interceptors: 0.06 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
SX21121001	Sewer Extension to Grace Community Health Facility1	0-2 Years	Not Funded	$354,025	Knox	7	1
SX21235006	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	$4,732,000	Whitley	8	3
SX21125115	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	$231,475	Laurel	12	2
SX21253111	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greendale Street	3-5 Years	Not Funded	$248,020	Laurel	25	6
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		
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	5,241
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)	82.537
Residential Customers	3,693	Total Treated (MG)	1,305.347
Commercial Customers	1,522	Number of Manholes	2091
Institutional Customers	10	Number of Lift Stations	20
Industrial Customers	15	Percent Lines 20 yrs or Older	50%
KISOP Customers	1	Has Facility Plan	Yes, 35% Constructed

Total Collection System Line Length = 127.34 miles (Collection: 126.73 miles, Interceptors: 0.61 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
SX21125002	South US 25 Force Main Sewer	0-2 Years	Not Funded	$588,132	Laurel	22	3
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		
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		
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	1,153
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	37	Total KISOP Sent (MG)	82.537
Cost Per 4000 Gallons	$35.69	Total KISOP Treated (MG)	-
Residential Customers	975	Total Treated (MG)	82.537
Commercial Customers	178	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 = 71.19 miles (Collection: 67.49 miles, Interceptors: 3.70 miles).			

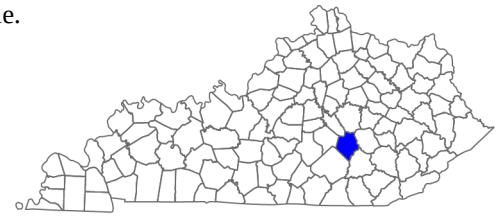
MG = Million Gallons.
MGD = Million Gallons per Day.

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	10	1
SX21125318	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	$1,199,266	Laurel	24	5
SX21125151	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	$4,000,000	Laurel	31	7
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		
SX21125208	WLWA - Wastewater Line Extension #9	6-10 Years	Not Funded	$1,876,722	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 48.63 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: $20,576,110.
- 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	6	$15,733,000	1,130	1,038	18.00	2.00	-
Totals:	**15**	**$25,649,110**	**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	3,009	1,421
		Totals:	4,394	2,061

Kentucky Infrastructure Authority
February 19, 2016

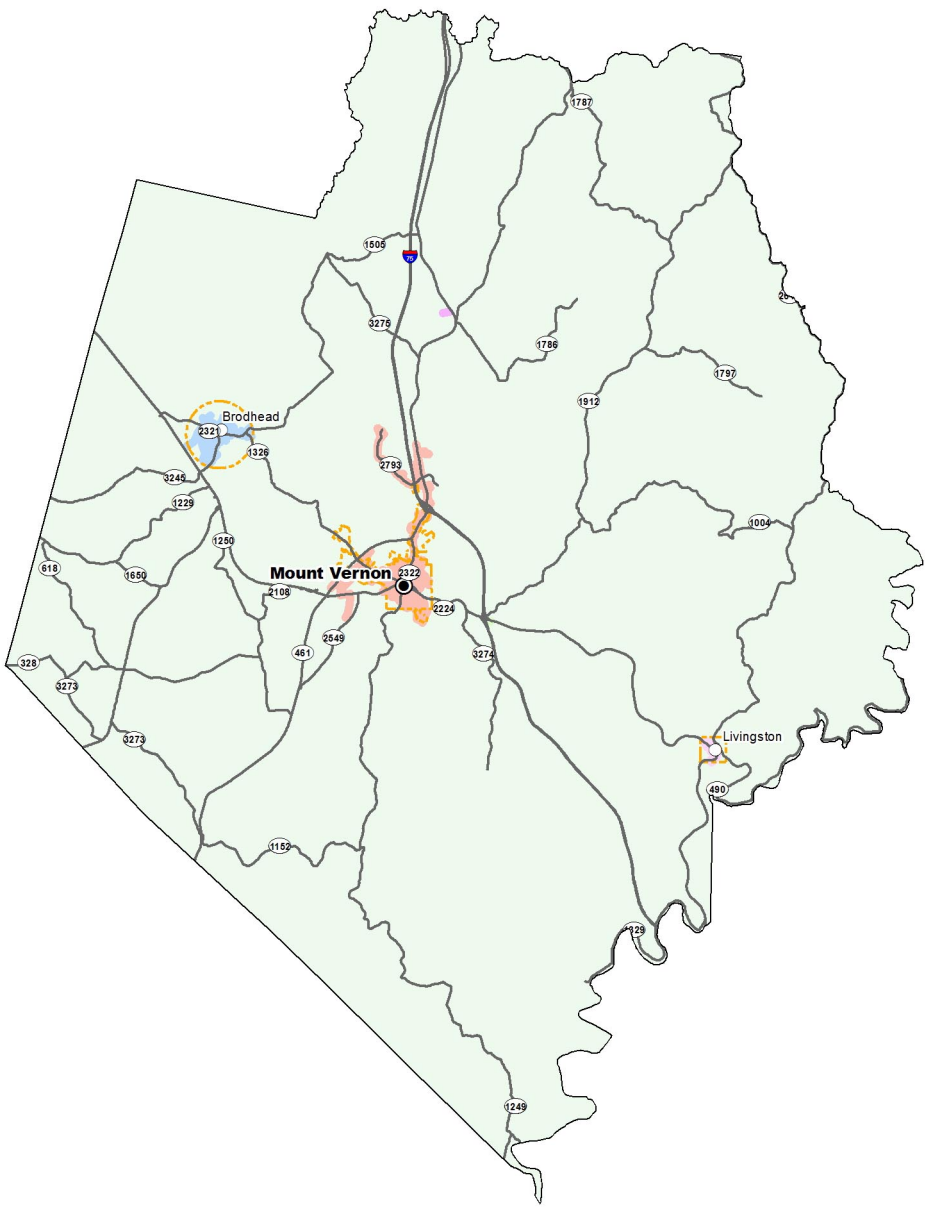
SEWER SERVICE AREAS
ROCKCASTLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	440
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	388	Total Treated (MG)	0.199
Commercial Customers	14	Number of Manholes	163
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		

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	83	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: 2.08 miles, Interceptors: 0.06 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	2	1
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 0.23 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,223
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$19.02	Total KISOP Treated (MG)	-
Residential Customers	1,028	Total Treated (MG)	53.523
Commercial Customers	195	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 37.47 miles (Collection: 34.61 miles, Interceptors: 2.86 miles).			

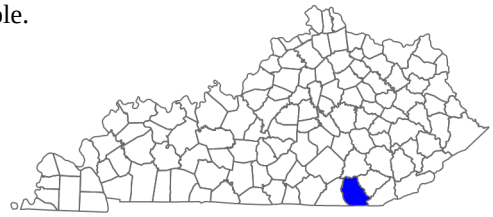
MG = Million Gallons.
MGD = Million Gallons per Day.

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
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	20	3
SX21203191	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	$5,500,000	Rockcastle	23	2
SX21203197	City of Mt. Vernon: Rainbow Ridge Area Sanitary Collection and Transfer	6-10 Years	Not Funded	$2,091,000	Rockcastle		
SX21203190	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	$1,640,000	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 100.86 miles of existing sewer lines.
- 20.00 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: $8,847,900.
- Estimated funding needs for projects from 6 to 10 years: $15,599,805.



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 1,122 serviceable households will be added through the construction of 20.00 miles of sewer line extensions and approximately 2,478 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			
City of Williamsburg	2	$4,115,900	3	2,400	2.00	1.00	-
Corbin City Utilities Commission	2	$5,849,725	341	78	8.00	1.00	2.00
Whitley County Fiscal Court	4	$14,482,080	778	-	10.00	-	-
Totals:	**8**	**$24,447,705**	**1,122**	**2,478**	**20.00**	**2.00**	**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	5,633	2,165
KY0020133	Corbin City Utilities Commission	Laurel	5,847	2,752
		Totals:	11,480	4,917

Kentucky Infrastructure Authority
February 19, 2016

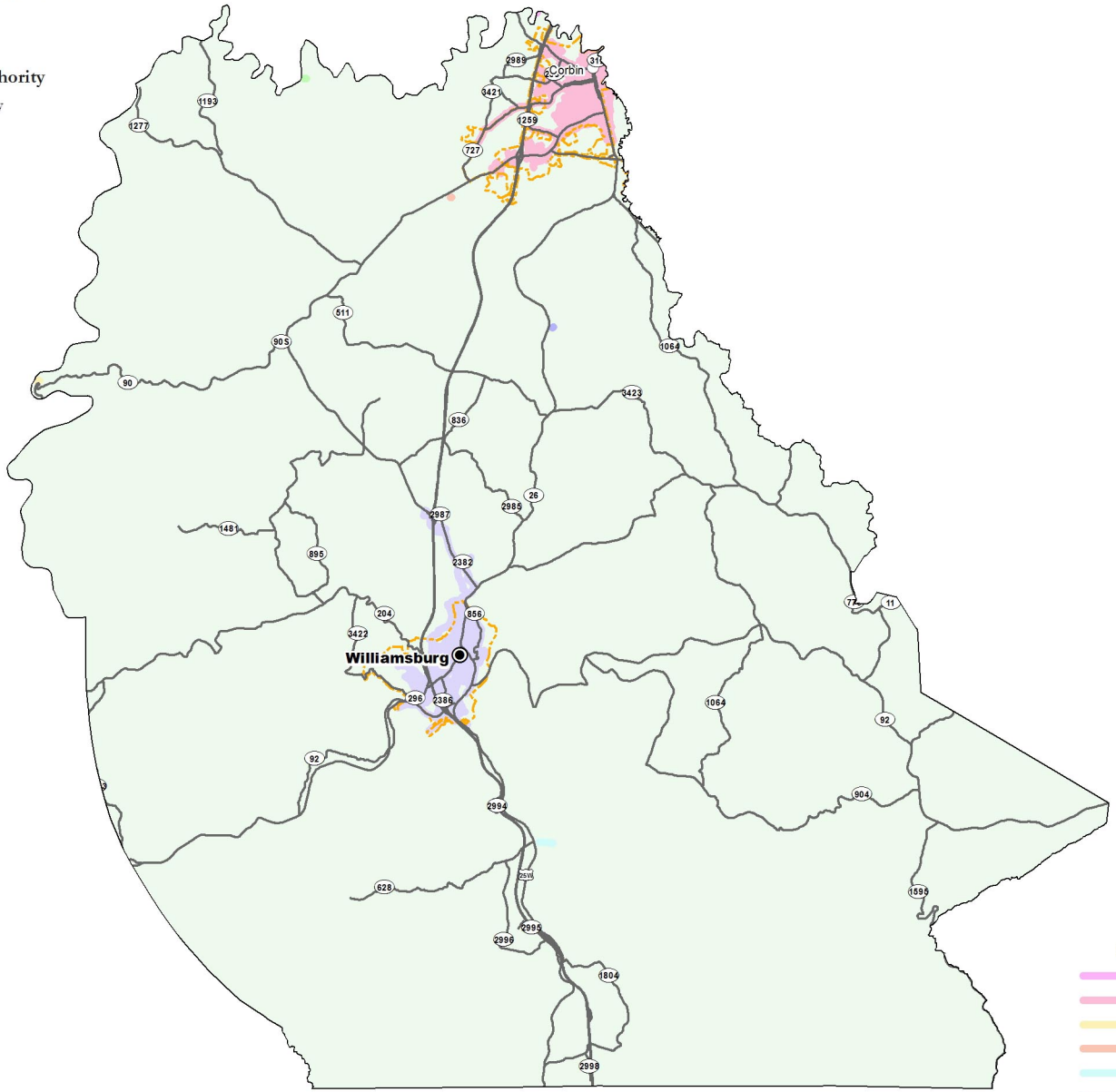
SEWER SERVICE AREAS
WHITLEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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	1,533
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.36	Total KISOP Treated (MG)	-
Residential Customers	1,333	Total Treated (MG)	421.000
Commercial Customers	185	Number of Manholes	584
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 = 44.13 miles (Collection: 44.00 miles, Interceptors: 0.14 miles).			

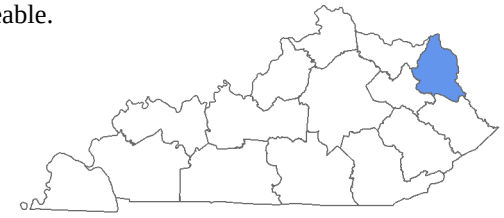
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21235005	Ball Park Pump Station/ Force Main - Phase II	0-2 Years	Not Funded	$1,599,411	Whitley	17	2
SX21235004	Sanitary Sewer Rehabilitation and I&I Removal Project	0-2 Years	Partially Funded	$2,516,489	Whitley	18	1
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		
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).
- 587.24 miles of existing sewer lines.
- 72.00 miles of line extensions proposed in the next 10 years.
- 27.00 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: $126,113,090.
- Estimated funding needs for projects from 6 to 10 years: $5,924,560.
- Average age of wastewater treatment plants is 36 years.
- Total number of interconnected systems is 8.
- 57 miles of sewer lines less than 15 years old.
- 235 miles of sewer lines between 15 and 30 years old.
- 196 miles of sewer lines between 31 and 50 years old.
- 92 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 2,579 serviceable households will be added through the construction of 72.00 miles of sewer line extensions and approximately 68,439 instances of improved service through the rehabilitation of 27.00 miles of existing sewer lines and other appurtenances. 9.00 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	17,663	81%	$ 61,213,780
Carter	27,720	12,311	28,459	11,508	2,917	24%	$ 8,785,000
Elliott	7,852	3,371	8,078	3,011	374	11%	-
Greenup	36,910	16,330	36,923	15,046	9,285	57%	$ 28,430,610
Lawrence	15,860	7,286	16,192	6,647	1,944	27%	$ 33,608,260
Totals	**137,884**	**61,101**	**139,098**	**56,252**	**32,183**	**53%**	**$ 132,037,650**

Kentucky Infrastructure Authority
February 19, 2016

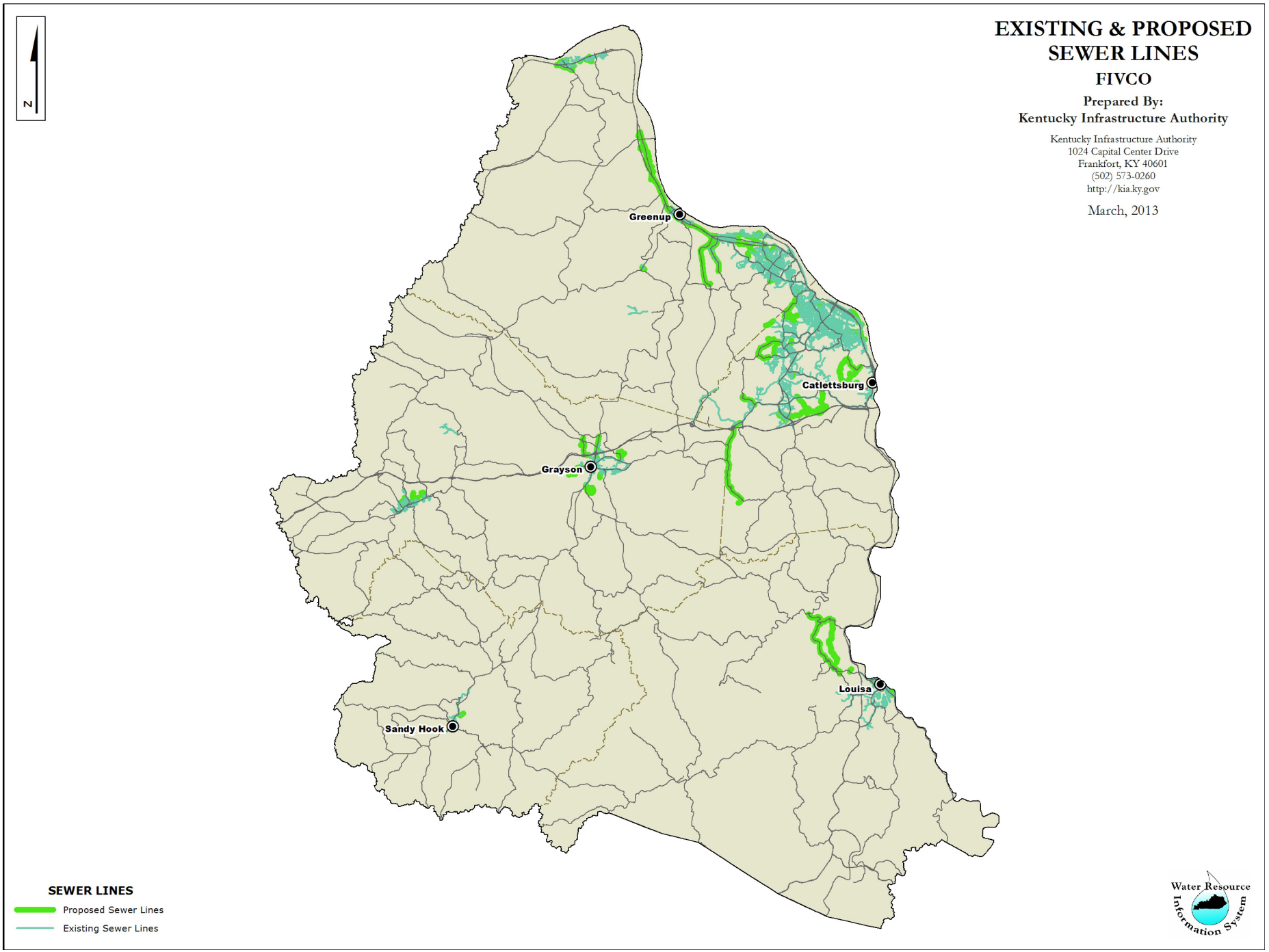
EXISTING & PROPOSED SEWER LINES

FIVCO

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	4,149	1,839
KYP000044	Boyd County Sanitation District #4	Boyd	10,722	4,119
KY0022373	City of Ashland	Boyd	21,646	10,527
KY0035467	City of Catlettsburg	Boyd	2,428	1,136
KY0025925	City of Olive Hill	Carter	1,924	944
KY0020931	Grayson Utility Commission	Carter	4,637	1,957
KY0052264	City of Sandy Hook	Elliott	700	374
KYP000040	Boyd & Greenup County Sanitation District #1	Greenup	3,347	1,399
KYP000039	City of Flatwoods	Greenup	7,719	3,442
KY0026450	City of Greenup	Greenup	1,268	539
KYP000038	City of Raceland	Greenup	2,388	1,109
KYP000037	City of Russell	Greenup	854	420
KY0026131	City of South Shore	Greenup	2,278	1,100
KY0022926	City of Worthington	Greenup	1,611	682
KY0033553	Greenup Joint Sewer Agency	Greenup	1,450	615
KY0027961	City of Louisa	Lawrence	3,433	1,588
KYP000061	Lawrence County Fiscal Court	Lawrence	822	353
		Totals:	71,376	32,143

Project Rankings For Five County Area Development District

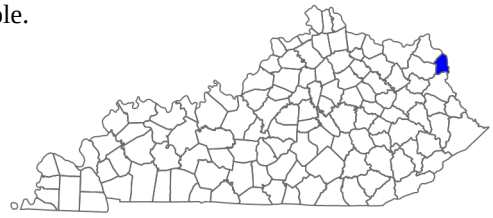
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019081	29th Street Storm Water Separation Project	0-2 Years	Not Funded	$4,024,780	Boyd	1	1
SX21127030	City of Louisa I & I Rehab Project	3-5 Years	Not Funded	$5,375,000	Lawrence	2	1
SX21019065	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	3-5 Years	Not Funded	$25,000,000	Boyd	3	5
SX21089112	GJSA Wastewater Treatment Plant Modification Project	0-2 Years	Not Funded	$330,000	Greenup	4	1
SX21019053	SD4: Systemwide Pump Station Maintenance	0-2 Years	Not Funded	$950,000	Boyd	5	2
SX21019062	Sd2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	$2,173,000	Boyd	6	3
SX21089064	Worthington: CSO Phase 5 Project	3-5 Years	Not Funded	$185,900	Greenup	7	11
SX21019077	SD4: Rehab Ray Drive Sewer Line	0-2 Years	Not Funded	$312,000	Boyd	8	4
SX21089109	City of Greenup Phase 2 Sewer Rehab Project	0-2 Years	Not Funded	$3,000,000	Greenup	9	4
SX21089003	Worthington Dry Beds Rehab Project	3-5 Years	Not Funded	$80,000	Greenup	10	2
SX21089056	City of Flatwoods I & I Study and Rehab Project	0-2 Years	Not Funded	$650,000	Greenup	11	5
SX21089095	South Shore: Upgrade Lift Stations 4, 5, and 6	0-2 Years	Not Funded	$785,200	Greenup	12	9
SX21127029	Louisa: Wastewater Treatment Plant	3-5 Years	Not Funded	$21,000,000	Lawrence	13	2
SX21089108	Raceland: Rehab the Williams Avenue Lift Station	3-5 Years	Not Funded	$250,000	Greenup	14	3
SX21089110	City of Russell I & I Study and Sewer Rehab Project	0-2 Years	Not Funded	$500,000	Greenup	15	6
SX21089080	Flatwoods: Federal Way Sewer Line Upgrade and Replacement	0-2 Years	Not Funded	$400,000	Greenup	16	12
SX21089084	Flatwoods: Dietdrich Drive Sewer Project	0-2 Years	Not Funded	$425,000	Greenup	17	13
SX21089068	Raceland: Rogers Avenue Upgrade	0-2 Years	Not Funded	$20,000	Greenup	18	18
SX21089083	Flatwoods: Jones Street Sewer Project	0-2 Years	Not Funded	$650,000	Greenup	19	20
SX21019022	BCFC: Phase IV SR 5 Princess Area	3-5 Years	Not Funded	$400,000	Boyd	20	6
SX21089005	Worthington: Rehab Project to Replace Clay Pipe	3-5 Years	Not Funded	$300,000	Greenup	21	8
SX21089085	Wurtland: Phase 2 of System Rehab	0-2 Years	Not Funded	$500,000	Greenup	22	10
SX21089045	Bellefonte: Buena Vista Sewer Repair	3-5 Years	Not Funded	$115,000	Greenup	23	16
SX21089017	Raceland: Cherokee Road Sewer Extension	3-5 Years	Not Funded	$102,000	Greenup	24	22
SX21089028	Wurtland: Conley Subdivision Sewer Project	0-2 Years	Not Funded	$650,000	Greenup	25	23
SX21089060	Wurtland: Uhlen Branch Sewer Line Extension	0-2 Years	Not Funded	$1,000,000	Greenup	26	24
SX21043030	Grayson: Rolling Hills Subdivision Sewer Extension	0-2 Years	Not Funded	$1,200,000	Carter	27	2
SX21043035	Grayson: Plantation Subdivision Sewer Extension Project	0-2 Years	Not Funded	$1,900,000	Carter	28	4
SX21019082	Pump Station Rehab Project	3-5 Years	Not Funded	$250,000	Boyd	29	7
SX21089031	Raceland: Sanitary Sewer Rehab Project	3-5 Years	Not Funded	$50,000	Greenup	30	7
SX21089113	GCEC: Raceland Lift Station Upgrade Project	3-5 Years	Not Funded	$321,000	Greenup	31	15
SX21089096	South Shore: Upgrade Forest Heights Collection Lines	3-5 Years	Not Funded	$889,100	Greenup	32	19
SX21089043	Worthington: Calumet Causeway Sewer Project	6-10 Years	Not Funded	$55,000	Greenup	33	21
SX21043017	Olive Hill: Rehab of City Lines to Replace Clay Pipe	3-5 Years	Not Funded	$1,400,000	Carter	34	1
SX21089078	GCEC: Lagoon Aeration Equipment	3-5 Years	Not Funded	$250,000	Greenup	35	14
SX21089105	GCEC: Weather Protection Project	3-5 Years	Not Funded	$90,000	Greenup	36	17

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21043037	Wastewater Treatment Plant Expansion Project	3-5 Years	Unknown	$0	Carter	37	3
SX21089090	Wurtland: Riverside Drive Line Extension	3-5 Years	Not Funded	$50,000	Greenup	38	25
SX21089094	Wurtland: Industrial Parkway Sewer Service	0-2 Years	Not Funded	$100,000	Greenup	39	26
			Total Cost:	**$75,732,980**			

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 304.60 miles of existing sewer lines.
- 29.00 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: $61,213,780.
- There are no projects planned from 6 to 10 years.



Boyd County has a 2010 census population count of 49,542 (21,803 households) with a projected 2020 population count of 49,446 (20,040 households). Public sewer is currently available to approximately 81 percent of the county's households based on 2010 census counts. Over the next ten years approximately 882 serviceable households will be added through the construction of 29.00 miles of sewer line extensions and approximately 39,848 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			
Boyd County Sanitation District #2	2	$3,273,000	-	1,537	1.00	-	-
Boyd County Sanitation District #4	11	$18,869,000	882	25	28.00	1.00	2.00
City of Ashland	5	$34,724,780	-	34,554	-	3.00	-
City of Catlettsburg	4	$4,347,000	-	3,732	-	-	-
Totals:	**22**	**$61,213,780**	**882**	**39,848**	**29.00**	**4.00**	**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	4,079	1,811
KYP000044	Boyd County Sanitation District #4	Boyd	10,706	4,111
KY0022373	City of Ashland	Boyd	21,646	10,527
KY0035467	City of Catlettsburg	Boyd	2,428	1,136
KYP000040	Boyd & Greenup County Sanitation District #1	Greenup	141	70
		Totals:	39,000	17,655

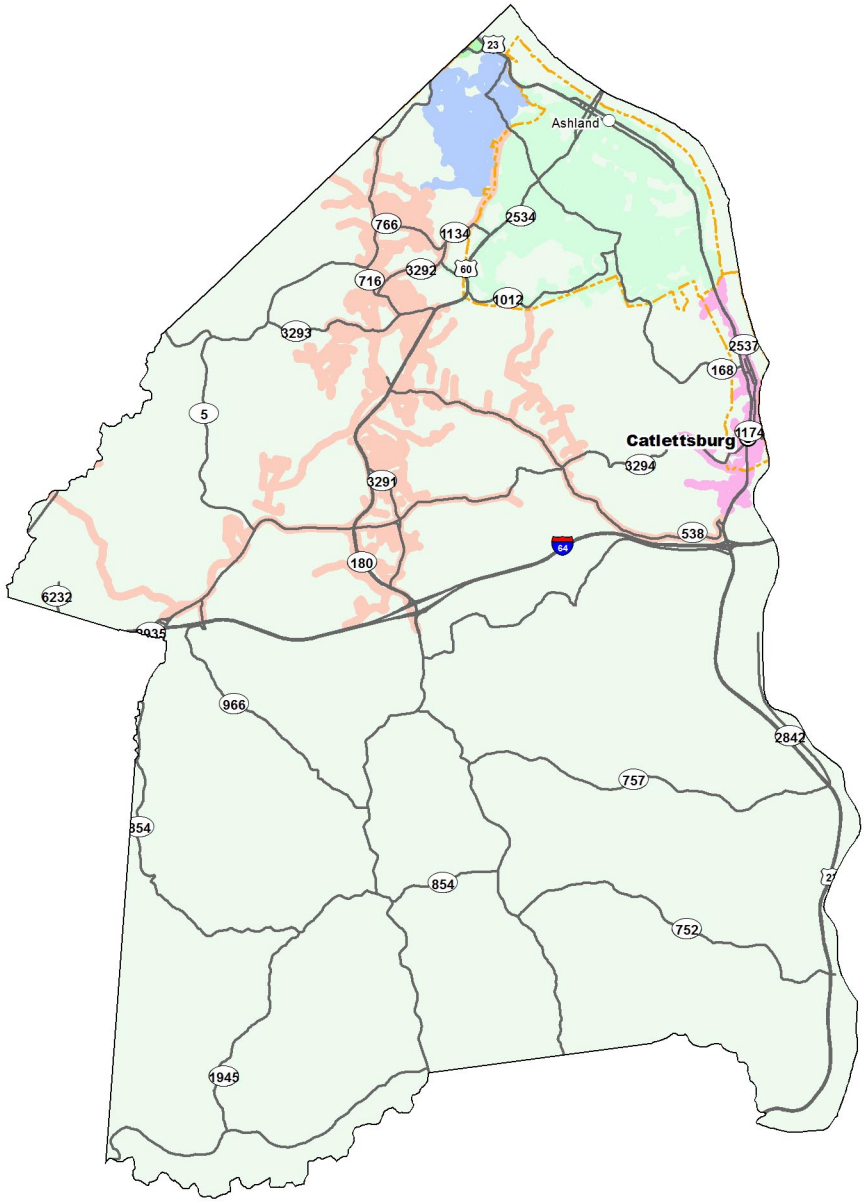
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BOYD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Boyd County Sanitation District #2

Permit ID	KYP000035	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,514
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	881
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 = 35.13 miles (Collection: 34.67 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	6	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	11	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
SX21019053	SD4: Systemwide Pump Station Maintenance	0-2 Years	Not Funded	$950,000	Boyd	5	2
SX21019077	SD4: Rehab Ray Drive Sewer Line	0-2 Years	Not Funded	$312,000	Boyd	8	4
SX21019013	Boyd County SD4: Rt5 Area Sewers	3-5 Years	Partially Funded	$4,730,000	Boyd		
SX21019031	BCFC: Phase IV Johnson Fork, Catletts Creek, and Twin Fork	0-2 Years	Not Funded	$3,350,000	Boyd		
SX21019070	SD4: Phase 2 Rt 5 Area Sewer Extension	0-2 Years	Not Funded	$2,157,000	Boyd		
SX21019068	SD4: North Big Run Project	0-2 Years	Not Funded	$2,000,000	Boyd		
SX21019071	SD4: Molsberger Road Sewer Line	0-2 Years	Not Funded	$325,000	Boyd		
SX21019072	SD4: Southland Drive Area Sewer Extension	0-2 Years	Not Funded	$242,000	Boyd		

System Summary for Boyd County Sanitation District #4 FC

Permit ID	KYP000049	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$47.18	Total KISOP Treated (MG)	-
Residential Customers	1,800	Total Treated (MG)	-
Commercial Customers	137	Number of Manholes	1500
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	2	Percent Lines 20 yrs or Older	2%
KISOP Customers	-	Has Facility Plan	Yes, 90% 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 Boyd County Sanitation District #4 FC

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019022	BCFC: Phase IV SR 5 Princess Area	3-5 Years	Not Funded	$400,000	Boyd	20	6
SX21019021	BCFC: Phase IV Tarpin Ridge, Alley Branch, Collings Branch	3-5 Years	Not Funded	$3,300,000	Boyd		
SX21019026	BCFC: Phase IV Sr5 From New Buckley Rd to Paradise Rd	3-5 Years	Not Funded	$3,000,000	Boyd		
SX21019028	BCFC: Phase IV Rockhouse Rock Extension Into Greenup County	3-5 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	2	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 139.57 miles (Collection: 132.79 miles, Interceptors: 6.77 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
SX21019081	29th Street Storm Water Separation Project	0-2 Years	Not Funded	$4,024,780	Boyd	1	1
SX21019065	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	3-5 Years	Not Funded	$25,000,000	Boyd	3	5
SX21019073	Ashland: 37th Street Pump Station Replacement and Force Main Up	0-2 Years	Partially Funded	$4,500,000	Boyd		
SX21019080	New Wastewater Facilities	0-2 Years	Not Funded	$800,000	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 0.629 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,245
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	1,218	Total Treated (MG)	229.746
Commercial Customers	25	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 = 20.65 miles (Collection: 17.85 miles, Interceptors: 2.80 miles).			

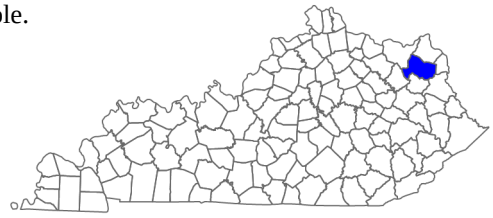
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21019082	Pump Station Rehab Project	3-5 Years	Not Funded	$250,000	Boyd	29	7
SX21019075	Catlettsburg: Add new Clarifier to the WWTP & Rehab Existing Clarifiers	0-2 Years	Partially Funded	$3,335,000	Boyd		
SX21019061	Catlettsburg: Rehab Clarifiers at Wastewater Treatment Plant	0-2 Years	Not Funded	$462,000	Boyd		
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 56.28 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.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,785,000.
- There are no projects planned from 6 to 10 years.



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 1,043 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			
City of Grayson	2	$3,100,000	220	-	5.00	-	-
City of Olive Hill	4	$2,305,000	35	1,043	-	3.00	2.00
Grayson Utility Commission	5	$3,380,000	318	-	8.00	-	-
Totals:	**11**	**$8,785,000**	**573**	**1,043**	**13.00**	**3.00**	**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	1,924	944
KY0020931	Grayson Utility Commission	Carter	4,637	1,957
		Totals:	6,561	2,901

Kentucky Infrastructure Authority
February 19, 2016

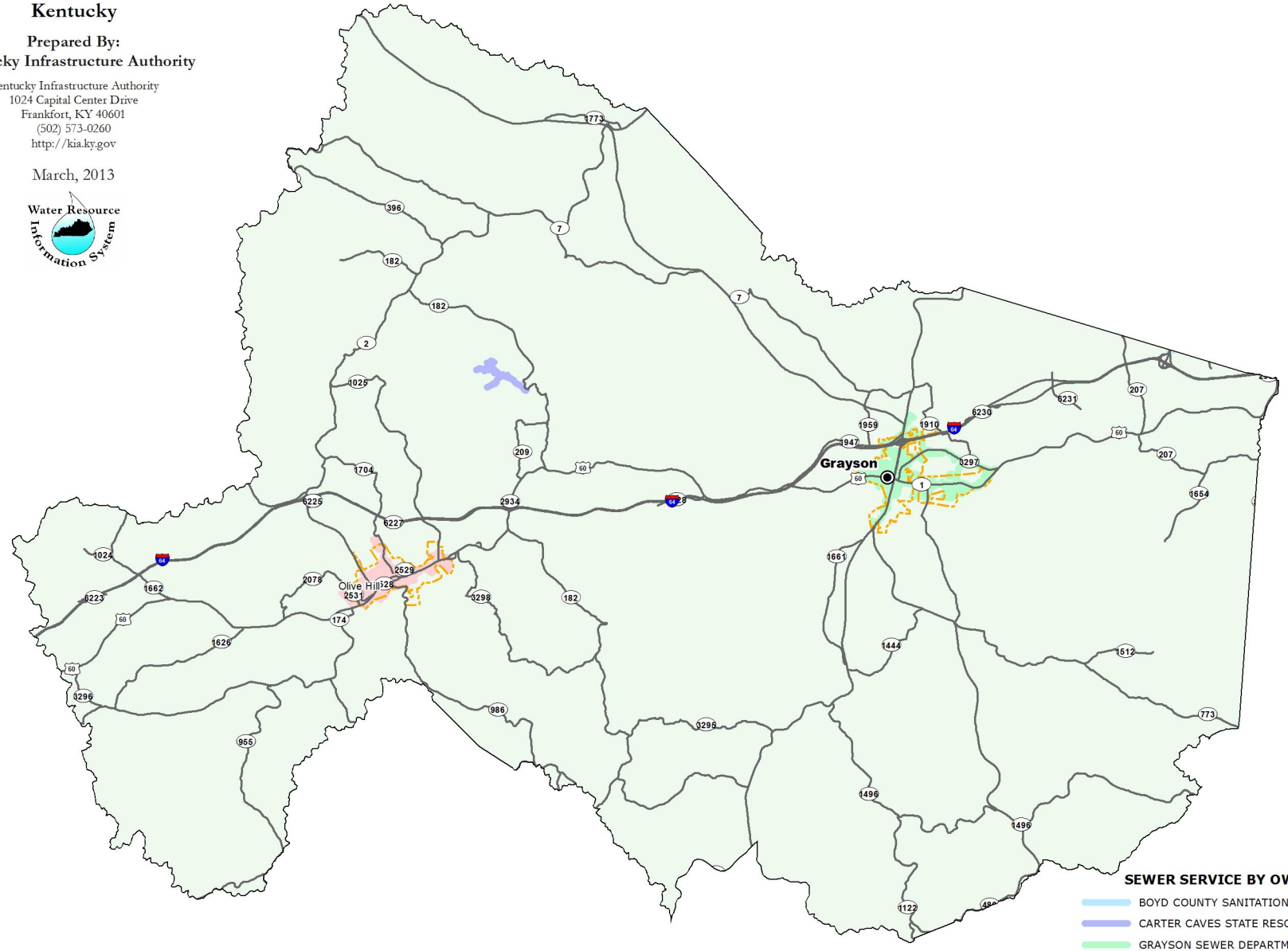
SEWER SERVICE AREAS
CARTER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 City of Olive Hill

Permit ID	KY0025925	Treats Wastewater	Yes, 3.5 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	3
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 22.98 miles (Collection: 22.02 miles, Interceptors: 0.96 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
SX21043017	Olive Hill: Rehab of City Lines to Replace Clay Pipe	3-5 Years	Not Funded	$1,400,000	Carter	34	1
SX21043019	Olive Hill: Smokey Valley Sewer Line Extension	3-5 Years	Not Funded	$525,000	Carter		
SX21043018	Olive Hill: Woodland Subdivision Sewer Project	3-5 Years	Not Funded	$315,000	Carter		
SX21043015	Olive Hill: Sparks Avenue Project	3-5 Years	Not Funded	$68,000	Carter		
SX21043036	Olive Hill: Oxidation Ditch Upgrade and Electrical Repairs	0-2 Years	Not Funded	$65,000	Carter		

System Summary for Grayson Utility Commission

Permit ID	KY0020931	Treats Wastewater	Yes, 0.96 MGD with 0.55 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,515
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	732	Total Treated (MG)	113.103
Commercial Customers	779	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 = 29.86 miles (Collection: 28.93 miles, Interceptors: 0.94 miles).

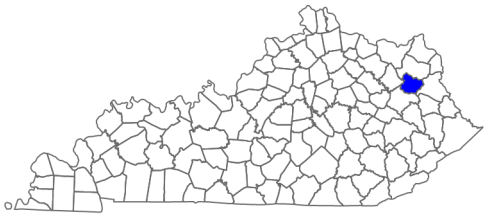
MG = Million Gallons.
MGD = Million Gallons per Day.

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	0-2 Years	Not Funded	$1,200,000	Carter	27	2
SX21043035	Grayson: Plantation Subdivision Sewer Extension Project	0-2 Years	Not Funded	$1,900,000	Carter	28	4
SX21043006	Grayson: Valleyview Subdivision	3-5 Years	Not Funded	$775,000	Carter		
SX21043007	Grayson: KY 1947 to Hidden Subdivision & Corral Park	3-5 Years	Not Funded	$775,000	Carter		
SX21043003	Grayson: Rt 7 to Landsdowne Subdivision	3-5 Years	Not Funded	$765,000	Carter		
SX21043004	Grayson: US 60 West to Sunset Hills	3-5 Years	Not Funded	$765,000	Carter		
SX21043024	Grayson: Route 1 Sewer Project	3-5 Years	Not Funded	$300,000	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 19, 2016

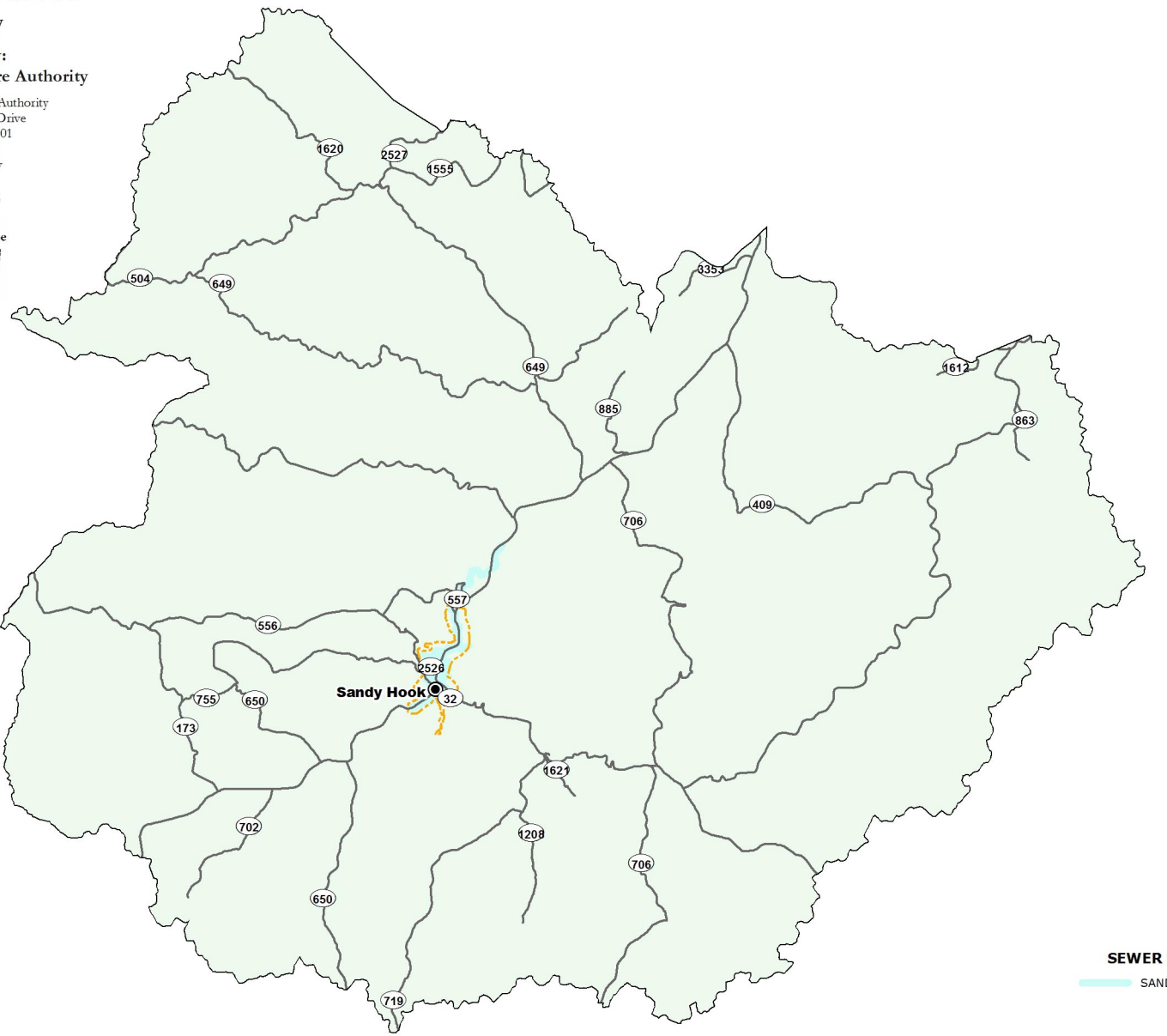
SEWER SERVICE AREAS
ELLIOTT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

SANDY HOOK SEWER DEPARTMENT

System Summary for City of Sandy Hook

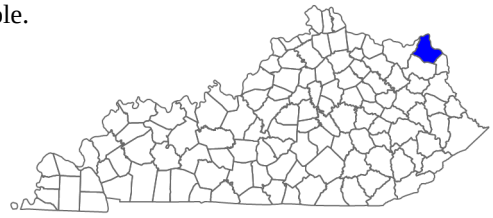
Permit ID	KY0052264	Treats Wastewater	Yes, 0.5 MGD with 0.276 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	254
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.00	Total KISOP Treated (MG)	-
Residential Customers	187	Total Treated (MG)	85.782
Commercial Customers	44	Number of Manholes	78
Institutional Customers	23	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: 11.74 miles, Interceptors: 0.59 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 171.71 miles of existing sewer lines.
- 20.00 miles of line extensions proposed in the next 10 years.
- 18.00 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: $28,239,310.
- Estimated funding needs for projects from 6 to 10 years: $191,300.



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 699 serviceable households will be added through the construction of 20.00 miles of sewer line extensions and approximately 23,721 instances of improved service through the rehabilitation of 18.00 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	3	$1,725,000	-	3,007	-	1.00	-
City of Greenup	3	$2,420,000	-	1,090	-	8.00	-
City of Raceland	9	$1,078,300	116	3,221	4.00	1.00	-
City of Russell	2	$1,470,000	-	893	-	3.00	-
City of South Shore	4	$2,933,300	-	586	-	2.00	-
City of Worthington	6	$893,170	-	2,313	-	2.00	-
City of Wurtland	10	$11,692,840	221	1,983	9.00	-	-
Greenup County Environmental Commission	2	$571,000	-	9,565	-	-	-
Greenup County Fiscal Court	2	$4,742,000	351	-	7.00	-	5.00
Greenup Joint Sewer Agency	1	$330,000	-	991	-	-	-
Totals:	**45**	**$28,430,610**	**699**	**23,721**	**20.00**	**18.00**	**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	3,206	1,329
KYP000039	City of Flatwoods	Greenup	7,719	3,442
KY0026450	City of Greenup	Greenup	1,268	539
KYP000038	City of Raceland	Greenup	2,388	1,109
KYP000037	City of Russell	Greenup	854	420
KY0026131	City of South Shore	Greenup	2,278	1,100
KY0022926	City of Worthington	Greenup	1,611	682
KY0033553	Greenup Joint Sewer Agency	Greenup	1,450	615
KYP000035	Boyd County Sanitation District #2	Boyd	70	28
		Totals:	20,844	9,264

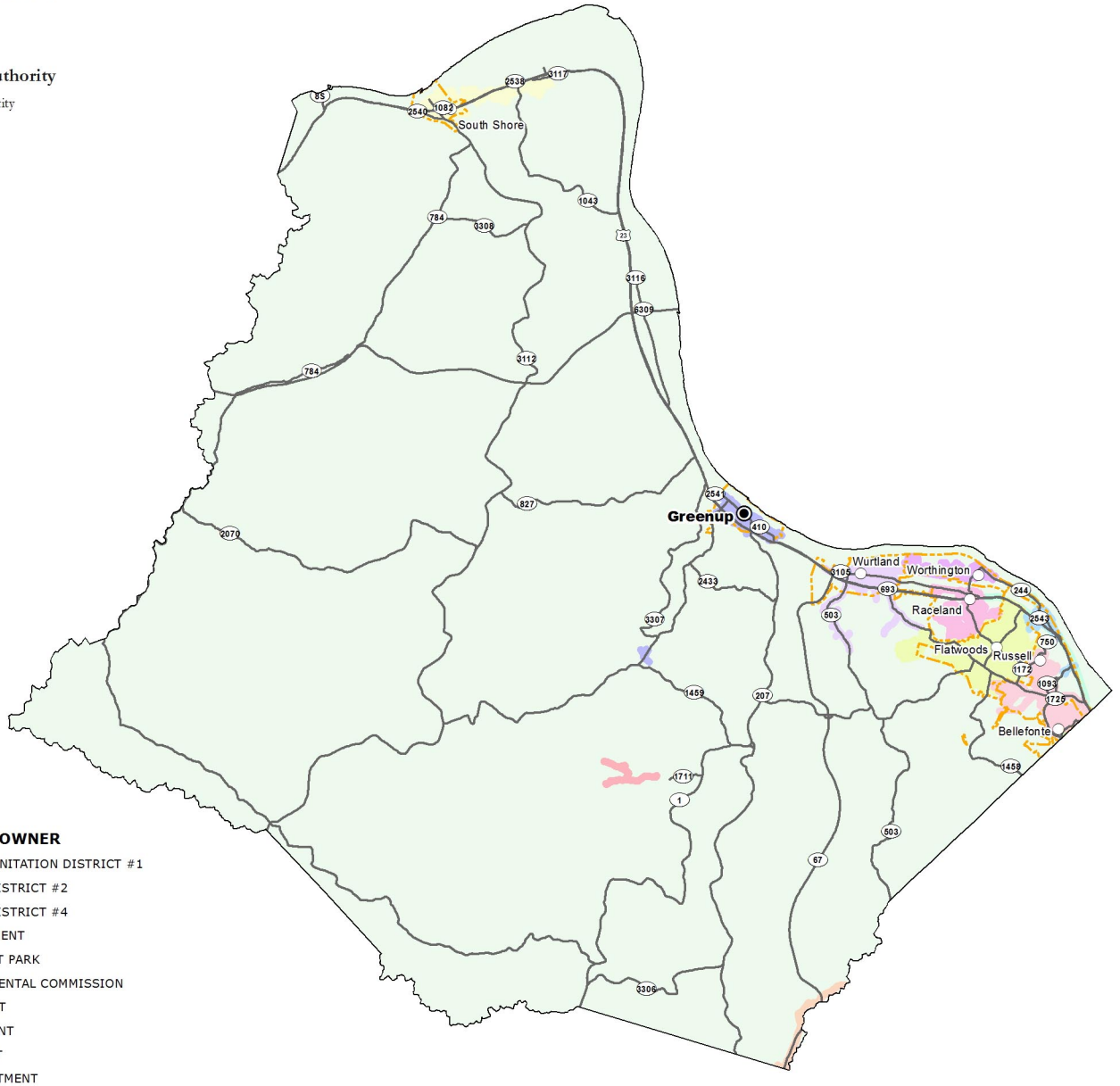
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
GREENUP COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	1,561
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	172.853
Cost Per 4000 Gallons	$24.20	Total KISOP Treated (MG)	-
Residential Customers	1,522	Total Treated (MG)	-
Commercial Customers	39	Number of Manholes	192
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 = 27.31 miles (Collection: 27.31 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	23	16

System Summary for City of Flatwoods

Permit ID	KYP000039	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	2,807
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	8	Total KISOP Sent (MG)	325.257
Cost Per 4000 Gallons	$28.62	Total KISOP Treated (MG)	-
Residential Customers	2,639	Total Treated (MG)	-
Commercial Customers	168	Number of Manholes	1010
Institutional Customers	-	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	11	5
SX21089080	Flatwoods: Federal Way Sewer Line Upgrade and Replacement	0-2 Years	Not Funded	$400,000	Greenup	16	12
SX21089084	Flatwoods: Dietdrich Drive Sewer Project	0-2 Years	Not Funded	$425,000	Greenup	17	13
SX21089083	Flatwoods: Jones Street Sewer Project	0-2 Years	Not Funded	$650,000	Greenup	19	20

System Summary for City of Greenup

Permit ID	KY0026450	Treats Wastewater	Yes, 1.09 MGD with 0.17 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	531
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.00	Total KISOP Treated (MG)	-
Residential Customers	531	Total Treated (MG)	72.000
Commercial Customers	-	Number of Manholes	70
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 8.92 miles (Collection: 8.86 miles, Interceptors: 0.05 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 Modification Project	0-2 Years	Not Funded	$330,000	Greenup	4	1
SX21089036	Greenup: Rehab Or Replacement of Collection System	3-5 Years	Not Funded	$2,000,000	Greenup		
SX21089042	Greenup: Alpine Village PTP and Outfall	3-5 Years	Not Funded	$350,000	Greenup		
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 = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for City of Greenup - Alpine Village Subdivision

System Summary for City of Raceland

Permit ID	KYP000038	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	980
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	6	Total KISOP Sent (MG)	71.366
Cost Per 4000 Gallons	$26.69	Total KISOP Treated (MG)	-
Residential Customers	980	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 = 16.20 miles (Collection: 16.11 miles, Interceptors: 0.09 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	3-5 Years	Not Funded	$250,000	Greenup	14	3
SX21089068	Raceland: Rogers Avenue Upgrade	0-2 Years	Not Funded	$20,000	Greenup	18	18
SX21089017	Raceland: Cherokee Road Sewer Extension	3-5 Years	Not Funded	$102,000	Greenup	24	22
SX21089031	Raceland: Sanitary Sewer Rehab Project	3-5 Years	Not Funded	$50,000	Greenup	30	7
SX21089113	GCEC: Raceland Lift Station Upgrade Project	3-5 Years	Not Funded	$321,000	Greenup	31	15
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		
SX21089093	Raceland: Update Systemwide SSES & I&I Study	0-2 Years	Not Funded	$85,000	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		
SX21089103	Raceland: Rehab Howard Street Sewer Line to Correct I&I Problem	0-2 Years	Not Funded	$65,000	Greenup		

System Summary for City of Russell

Permit ID	KYP000037	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	893
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	54.578
Cost Per 4000 Gallons	$17.25	Total KISOP Treated (MG)	-
Residential Customers	827	Total Treated (MG)	-
Commercial Customers	65	Number of Manholes	65
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	1	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	$500,000	Greenup	15	6
SX21089091	Russell: Filter Backwash Project	0-2 Years	Not Funded	$970,000	Greenup		

System Summary for City of South Shore

Permit ID	KY0026131	Treats Wastewater	Yes, 0.39 MGD with 0.219 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	$46.00	Total KISOP Treated (MG)	-
Residential Customers	729	Total Treated (MG)	79.946
Commercial Customers	71	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 18.79 miles (Collection: 18.39 miles, Interceptors: 0.40 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 Lift Stations 4, 5, and 6	0-2 Years	Not Funded	$785,200	Greenup	12	9
SX21089096	South Shore: Upgrade Forest Heights Collection Lines	3-5 Years	Not Funded	$889,100	Greenup	32	19
SX21089100	South Shore: Phase III Sewer Line Rehab	3-5 Years	Not Funded	$725,000	Greenup		
SX21089099	South Shore: Phase II Sewer Line Repair	3-5 Years	Not Funded	$534,000	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 0.38 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	684
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.37	Total KISOP Treated (MG)	-
Residential Customers	643	Total Treated (MG)	44.678
Commercial Customers	3	Number of Manholes	99
Institutional Customers	-	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 = 10.34 miles (Collection: 9.68 miles, Interceptors: 0.66 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
SX21089064	Worthington: CSO Phase 5 Project	3-5 Years	Not Funded	$185,900	Greenup	7	11
SX21089003	Worthington Dry Beds Rehab Project	3-5 Years	Not Funded	$80,000	Greenup	10	2
SX21089005	Worthington: Rehab Project to Replace Clay Pipe	3-5 Years	Not Funded	$300,000	Greenup	21	8
SX21089043	Worthington: Calumet Causeway Sewer Project	6-10 Years	Not Funded	$55,000	Greenup	33	21
SX21089063	Worthington: CSO Phase 4 Project	3-5 Years	Not Funded	$270,270	Greenup		
SX21089004	Worthington STP Sulfur Dioxide Drain	3-5 Years	Not Funded	$2,000	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)	692.648
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: 0.00 miles, Interceptors: 6.13 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	31	15
SX21089078	GCEC: Lagoon Aeration Equipment	3-5 Years	Not Funded	$250,000	Greenup	35	14

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	460
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$42.24	Total KISOP Treated (MG)	-
Residential Customers	437	Total Treated (MG)	50.139
Commercial Customers	16	Number of Manholes	75
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	7	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 17.37 miles (Collection: 16.36 miles, Interceptors: 1.01 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
SX21089112	GJSA Wastewater Treatment Plant Modification Project	0-2 Years	Not Funded	$330,000	Greenup	4	1
SX21089085	Wurtland: Phase 2 of System Rehab	0-2 Years	Not Funded	$500,000	Greenup	22	10
SX21089028	Wurtland: Conley Subdivision Sewer Project	0-2 Years	Not Funded	$650,000	Greenup	25	23
SX21089060	Wurtland: Uhlen Branch Sewer Line Extension	0-2 Years	Not Funded	$1,000,000	Greenup	26	24
SX21089090	Wurtland: Riverside Drive Line Extension	3-5 Years	Not Funded	$50,000	Greenup	38	25
SX21089094	Wurtland: Industrial Parkway Sewer Service	0-2 Years	Not Funded	$100,000	Greenup	39	26
SX21089021	City of Wurtland Lloyd Sewer Expansion Project	3-5 Years	Partially Funded	$6,725,000	Greenup		
SX21089111	Phase 2 Sewer Line Extension Project (Lloyd)	0-2 Years	Not Funded	$4,215,000	Greenup		
SX21089074	Wurtland: Phase 3 Wurtland Greenup Lloyd Regional Sewer Project	0-2 Years	Not Funded	$687,000	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		
SX21089073	Wurtland: Phase 2 Wurtland Greenup Lloyd Regional Sewer Project	0-2 Years	Partially Funded	$533,840	Greenup		
SX21089106	GCFC: Force Main Project from Progressive Railroad to Wurtland	0-2 Years	Not Funded	$527,000	Greenup		
SX21089098	Wurtland: New Building for The Air Blower System	0-2 Years	Not Funded	$327,000	Greenup		

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 42.32 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: $27,875,000.
- 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	1	$5,375,000	-	2,246	-	2.00	-
Lawrence County Fiscal Court	1	$1,500,000	-	-	-	-	-
Louisa Water and Sewer Commission	3	$26,733,260	425	1,581	10.00	-	-
Totals:	**5**	**$33,608,260**	**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 19, 2016

SEWER SERVICE AREAS
LAWRENCE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

System Summary for City of Louisa

Permit ID	KY0027961	Treats Wastewater	Yes, 1.09 MGD with 0.41 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,246
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	1,821	Total Treated (MG)	214.775
Commercial Customers	9	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: 27.63 miles, Interceptors: 2.98 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
SX21127030	City of Louisa I & I Rehab Project	3-5 Years	Not Funded	$5,375,000	Lawrence	2	1
SX21127029	Louisa: Wastewater Treatment Plant	3-5 Years	Not Funded	$21,000,000	Lawrence	13	2
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).			

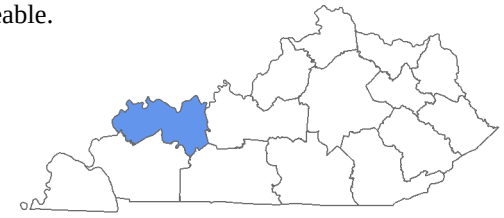
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Lawrence County Fiscal Court

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21127011	LCFC: Wastewater Treatment Plant for City of Blaine	3-5 Years	Not Funded	$1,500,000	Lawrence		

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).
- 1,021.80 miles of existing sewer lines.
- 47.00 miles of line extensions proposed in the next 10 years.
- 26.00 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: $63,375,612.
- Estimated funding needs for projects from 6 to 10 years: $15,228,500.
- Average age of wastewater treatment plants is 39 years.
- Total number of interconnected systems is 7.
- 171 miles of sewer lines less than 15 years old.
- 189 miles of sewer lines between 15 and 30 years old.
- 284 miles of sewer lines between 31 and 50 years old.
- 159 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 3,324 serviceable households will be added through the construction of 47.00 miles of sewer line extensions and approximately 64,353 instances of improved service through the rehabilitation of 26.00 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%	$ 9,061,065
Hancock	8,565	3,734	8,843	3,502	1,420	38%	$ 5,225,000
Henderson	46,250	20,320	47,600	19,851	13,885	68%	$ 23,430,085
McLean	9,531	4,264	9,271	3,821	1,810	42%	$ 10,572,000
Ohio	23,842	10,219	24,781	9,786	3,282	32%	$ 4,556,570
Union	15,007	6,141	14,436	5,463	3,686	60%	$ 13,567,142
Webster	13,621	5,936	13,399	5,292	2,807	47%	$ 12,192,250
Totals	**213,472**	**92,066**	**220,544**	**89,593**	**59,268**	**64%**	**$ 78,604,112**

Kentucky Infrastructure Authority
February 19, 2016

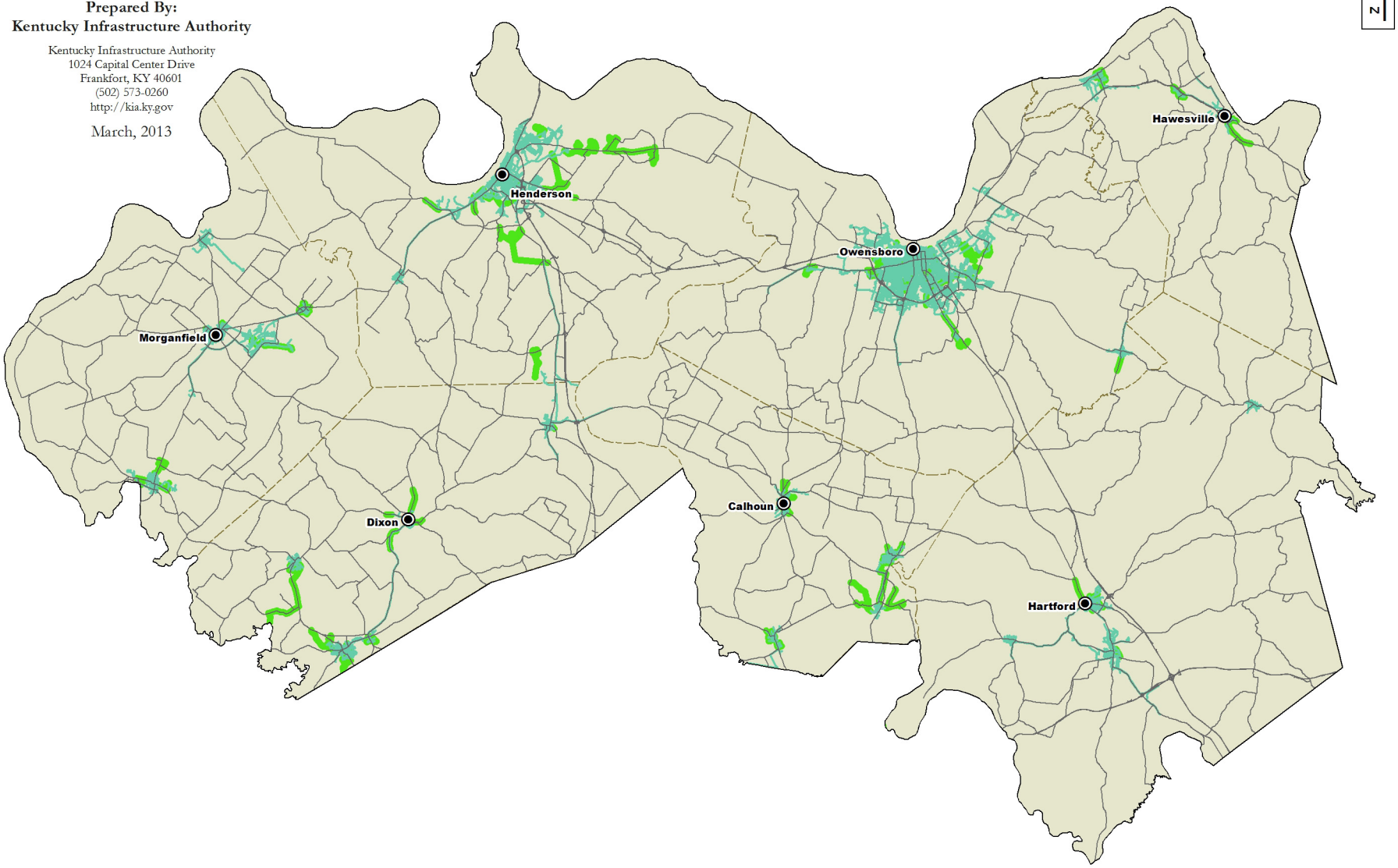
EXISTING & PROPOSED SEWER LINES

GRADD

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER LINES
- Proposed Sewer Lines
- Existing Sewer Lines

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	1,464	695
KY0091731	Sacramento Water Works	McLean	685	327
KYP000076	Beaver Dam Municipal Water/Sewer	Ohio	3,877	1,629
KYP000078	Centertown Water System	Ohio	538	219
KY0054801	Fordsville Water District	Ohio	554	242
KYP000077	Hartford Municipal Water Works	Ohio	2,547	1,125
KY0105791	Ohio County Regional Wastewater District	Ohio	165	67
KY0021440	Morganfield Water Works	Union	5,761	2,006
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	2,868	1,447
KYP000054	Sebree Collection System	Webster	1,493	565
KYP000055	Webster County Sanitation District	Webster	835	281
		Totals:	134,462	59,267

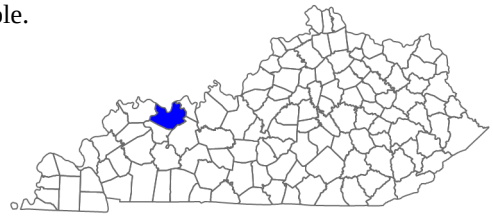
Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21059049	Cedar Hills Sewer Extension Project	0-2 Years	Not Funded	$2,035,000	Daviess	1	1
SX21233026	Providence Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	$1,959,000	Webster	2	1
SX21091015	Hawesville Sewer Plant Rebuild Project	0-2 Years	Not Funded	$3,800,000	Hancock	3	1
SX21149023	Sacramento Gravity Sewer Project, Phase II	0-2 Years	Not Funded	$940,000	McLean	4	1
SX21183016	Centertown Liftstation Rebuild Project	0-2 Years	Not Funded	$150,000	Ohio	5	1
SX21233025	Providence Sanitary Sewer Upgrades	0-2 Years	Not Funded	$1,693,750	Webster	6	2
SX21233020	Sebree I&I Sewer Rehab Project	3-5 Years	Not Funded	$1,215,000	Webster	7	3
SX21225012	Sturgis Wastewater Treatment Plant Upgrade	6-10 Years	Partially Funded	$2,710,000	Union	8	1
SX21101015	Happy Acres Sewer Service Extension	11-20 Years	Not Funded	$2,000,000	Henderson	9	1
SX21101023	Henderson Water Utility Manhole Renovation	3-5 Years	Not Funded	$1,100,000	Henderson	10	2
SX21101014	Holloway Hills Sewer Extension	6-10 Years	Not Funded	$600,000	Henderson	11	3
SX21101016	Grantwood Sewer Service Extension	6-10 Years	Not Funded	$1,000,000	Henderson	12	4
SX21101009	Broadview Sewer Line Extension	11-20 Years	Not Funded	$600,000	Henderson	13	5
SX21149031	Calhoun Wastewater Plant Replacement Project	0-2 Years	Not Funded	$2,480,000	McLean	14	2
SX21225030	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	$1,499,942	Union	15	2
SX21149028	Sacramento Phase III Gravity Sewer Project	6-10 Years	Not Funded	$375,000	McLean	16	3
SX21149029	Sacramento Phase IV Gravity Sewer Project	11-20 Years	Not Funded	$1,147,500	McLean	17	4
SX21183002	North 231 Sewer Extension Project	0-2 Years	Not Funded	$700,000	Ohio	18	2
SX21059050	Hawes Treatment Plant and Ragu Pump Station Upgrades	0-2 Years	Not Funded	$4,215,000	Daviess	19	2
SX21059043	Whitesville Sewer Rehabilitation Project	3-5 Years	Not Funded	$58,000	Daviess	20	3
SX21091014	Hawesville Lift Station Rehabilitation	6-10 Years	Not Funded	$100,000	Hancock	21	2
SX21091013	Highway 60 East Economic Development	3-5 Years	Not Funded	$500,000	Hancock	22	3
SX21225015	Uniontown Lift Station Rebuilds	6-10 Years	Not Funded	$1,000,000	Union	23	3
SX21225006	Camp Breckenridge Sewer Rehab	0-2 Years	Not Funded	$3,552,800	Union	24	4
SX21149002	Livermore Sewer Line Extensions	6-10 Years	Not Funded	$1,500,000	McLean	25	5
SX21233001	Webster County Sanitation Expansion Project	3-5 Years	Not Funded	$4,615,000	Webster	26	4
SX21091012	Hawesville Generator Project	6-10 Years	Not Funded	$75,000	Hancock	27	4
SX21233024	Sebree Highway 370 Sewer Line Extension	6-10 Years	Not Funded	$941,500	Webster	28	5
SX21225025	Winn Addition Sewer Expansion	0-2 Years	Not Funded	$3,424,400	Union	29	5
SX21183013	Beaver Dam Sewer Rehab Debt Payoff	3-5 Years	Not Funded	$580,000	Ohio	30	3
SX21183007	Centertown Sewer Clean Out Machine Purchase Project	0-2 Years	Not Funded	$50,000	Ohio	31	4
SX21091017	Lewisport Manhole Inspection and Relining Project	11-20 Years	Not Funded	$120,000	Hancock	32	5
SX21183012	Valley View Sewer Line Replacement	3-5 Years	Not Funded	$321,120	Ohio	33	5
SX21149005	Fox Hollow Road Sewer Line Extension	6-10 Years	Not Funded	$1,000,000	McLean	34	6
SX21101018	Graham Hill Sewer Extensions	3-5 Years	Not Funded	$3,150,000	Henderson	35	6

Total Cost:	**$51,208,012**			

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 464.68 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.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,061,065.
- 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 203 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 15,983 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 Whitesville	1	$58,000	-	275	-	-	-
Regional Water Resource Agency	5	$9,003,065	203	15,708	4.00	2.00	1.00
Totals:	**6**	**$9,061,065**	**203**	**15,983**	**4.00**	**2.00**	**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

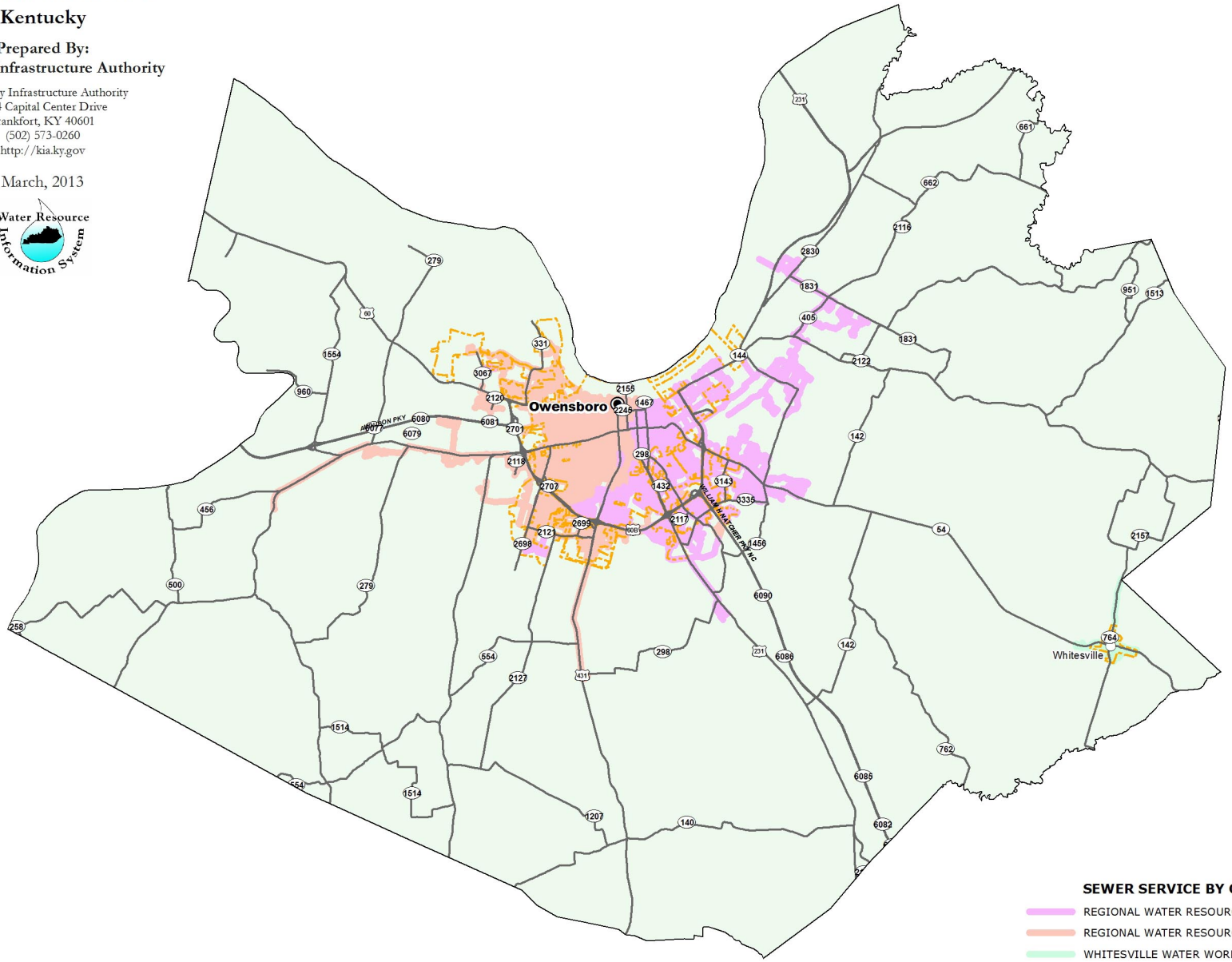
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
DAVIESS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Cedar Hills Sanitation Corporation

Permit ID	KY0031895	Treats Wastewater	Yes, 0.047 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	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
SX21059049	Cedar Hills Sewer Extension Project	0-2 Years	Not Funded	$2,035,000	Daviess	1	1

System Summary for Friendly Park Development Company

Permit ID	KY0025224	Treats Wastewater	Yes, 0.032 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	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.

There are no immediate projects for Friendly Park Development Company

System Summary for Garden Heights Subdivision

Permit ID	KY0023256	Treats Wastewater	Yes, 0.052 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 = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Garden Heights Subdivision

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	30,000
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	74	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.10	Total KISOP Treated (MG)	-
Residential Customers	26,207	Total Treated (MG)	2,963.810
Commercial Customers	2,442	Number of Manholes	8306
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	70	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
SX21059049	Cedar Hills Sewer Extension Project	0-2 Years	Not Funded	$2,035,000	Daviess	1	1
SX21059050	Hawes Treatment Plant and Ragu Pump Station Upgrades	0-2 Years	Not Funded	$4,215,000	Daviess	19	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	30,000
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.10	Total KISOP Treated (MG)	-
Residential Customers	26,207	Total Treated (MG)	2,963.810
Commercial Customers	2,442	Number of Manholes	8306
Institutional Customers	-	Number of Lift Stations	27
Industrial Customers	70	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		7
SX21059044	Parkview Drive Area Basin/Chamber	0-2 Years	Partially Funded	$525,000	Daviess		

System Summary for Whitesville Water Works

Permit ID	KY0054941	Treats Wastewater	Yes, 0.1 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	278
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.12	Total KISOP Treated (MG)	-
Residential Customers	264	Total Treated (MG)	18.000
Commercial Customers	14	Number of Manholes	200
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).			

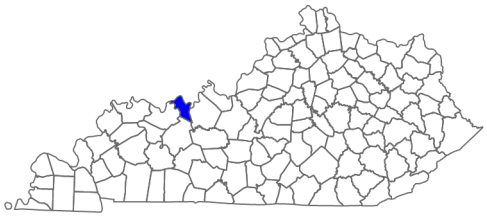
MG = Million Gallons.
MGD = Million Gallons per Day.

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	20	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 37.01 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: $4,900,000.
- Estimated funding needs for projects from 6 to 10 years: $325,000.



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 4,449 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	3	$3,975,000	-	3,850	-	-	-
City of Lewisport	2	$750,000	-	594	-	5.00	-
Hancock County Fiscal Court	1	$500,000	39	5	2.00	-	-
Totals:	**6**	**$5,225,000**	**39**	**4,449**	**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

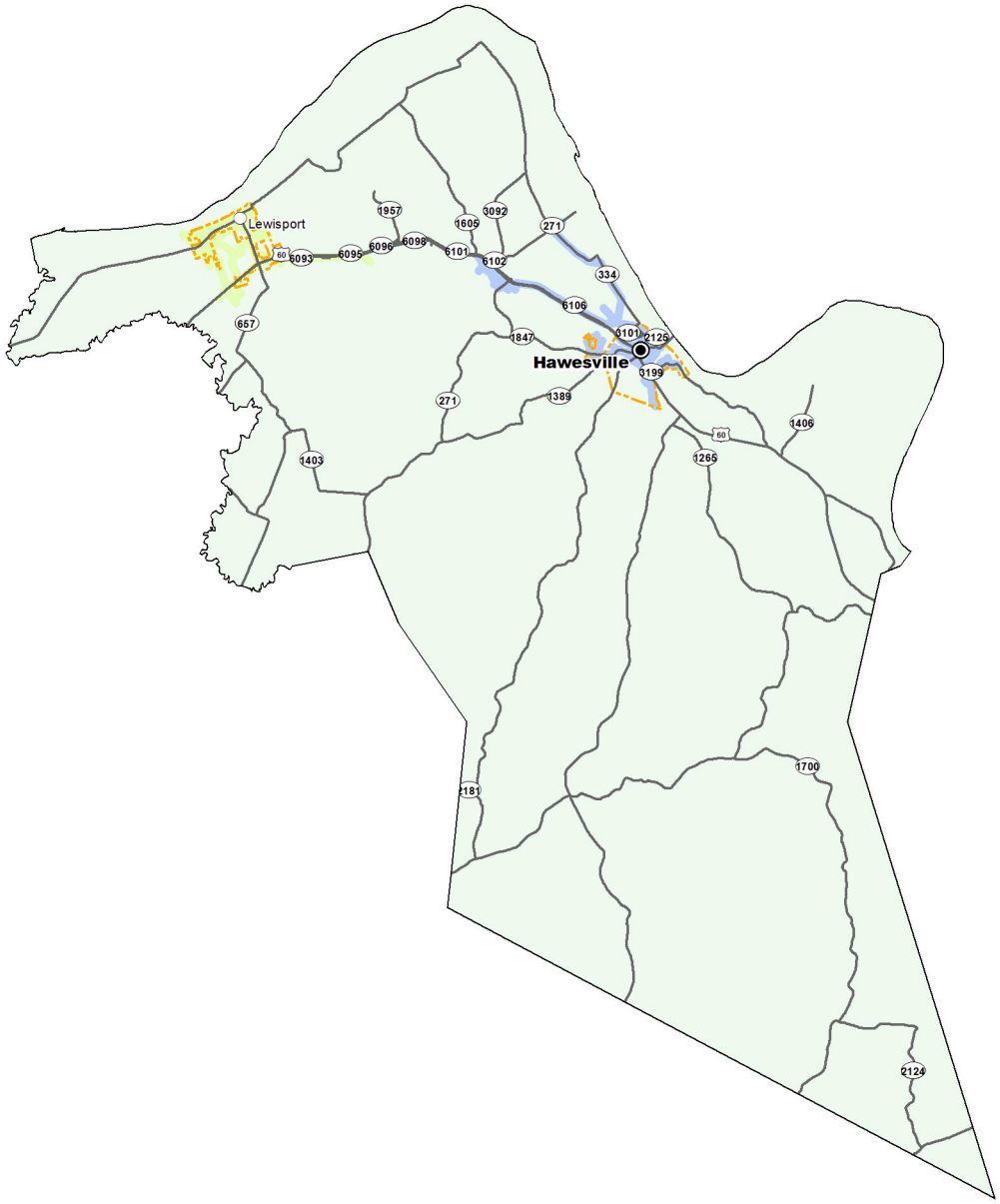
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HANCOCK COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- HAWESVILLE WATER WORKS
- LEWISPORT MUNICIPAL WATER WORKS

System Summary for Hawesville Water Works

Permit ID	KY0020087	Treats Wastewater	Yes, 0.25 MGD with 0.16 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	468
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.00	Total KISOP Treated (MG)	-
Residential Customers	466	Total Treated (MG)	26.000
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	2	Percent Lines 20 yrs or Older	98%
KISOP Customers	-	Has Facility Plan	Yes, 80% 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
SX21091015	Hawesville Sewer Plant Rebuild Project	0-2 Years	Not Funded	$3,800,000	Hancock	3	1
SX21091014	Hawesville Lift Station Rehabilitation	6-10 Years	Not Funded	$100,000	Hancock	21	2
SX21091013	Highway 60 East Economic Development	3-5 Years	Not Funded	$500,000	Hancock	22	3
SX21091012	Hawesville Generator Project	6-10 Years	Not Funded	$75,000	Hancock	27	4
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 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	692
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$21.13	Total KISOP Treated (MG)	-
Residential Customers	625	Total Treated (MG)	78.000
Commercial Customers	49	Number of Manholes	230
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).			

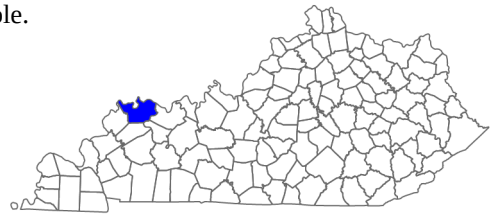
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21091009	Lewisport Slip Lining	3-5 Years	Not Funded	$600,000	Hancock		6
SX21091016	Lift station Elimination Project	6-10 Years	Not Funded	$150,000	Hancock		7

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 202.24 miles of existing sewer lines.
- 19.00 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: $20,630,085.
- 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 2,151 serviceable households will be added through the construction of 19.00 miles of sewer line extensions and approximately 31,071 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	$2,350,085	241	-	1.00	-	1.00
Henderson Water Utility	9	$20,350,000	1,910	30,500	18.00	-	2.00
Totals:	**13**	**$23,430,085**	**2,151**	**31,071**	**19.00**	**-**	**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

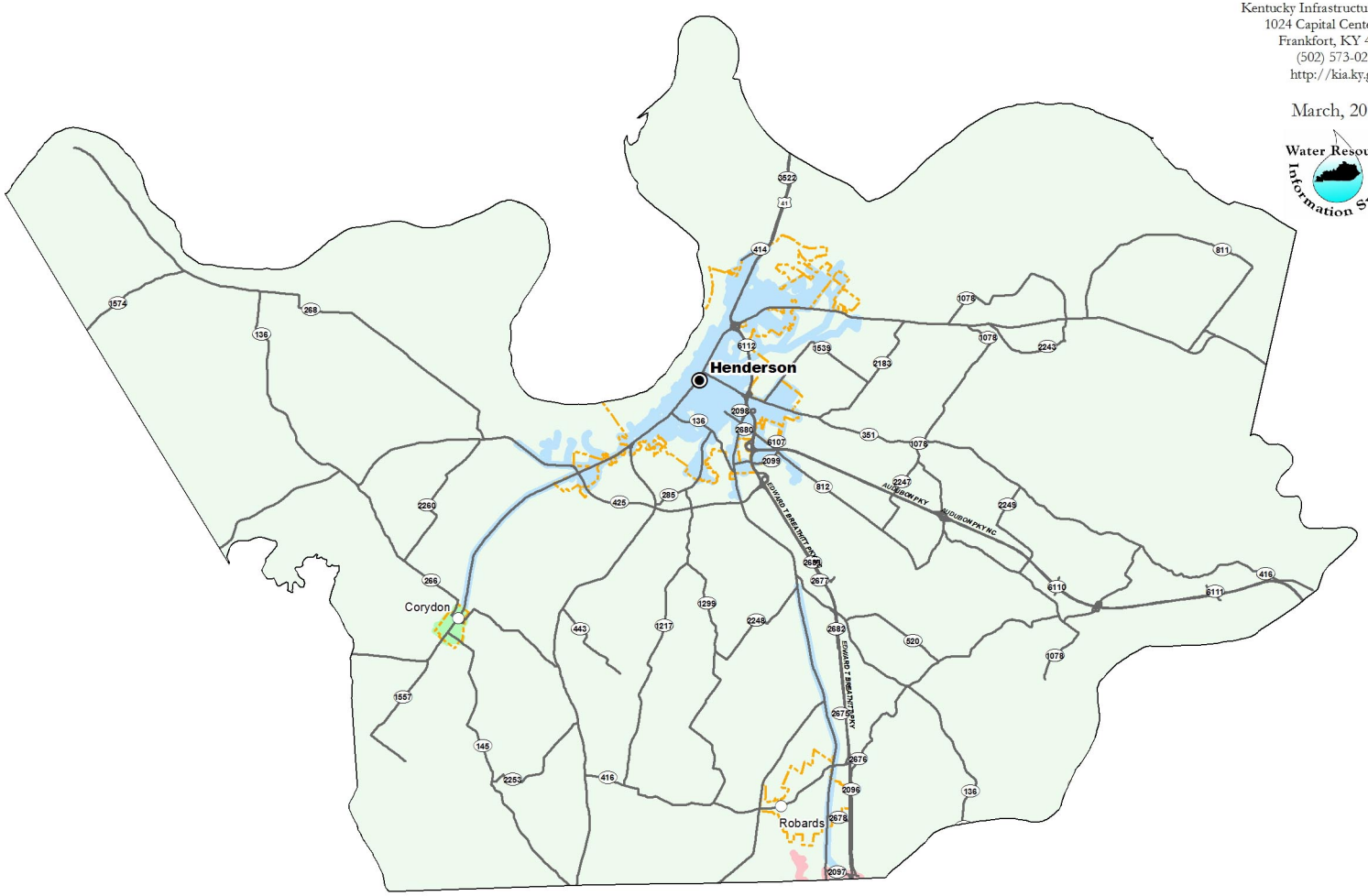
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HENDERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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)	12.000
Cost Per 4000 Gallons	$44.04	Total KISOP Treated (MG)	-
Residential Customers	273	Total Treated (MG)	-
Commercial Customers	7	Number of Manholes	65
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		16

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)	75.000
Residential Customers	-	Total Treated (MG)	1,234.700
Commercial Customers	-	Number of Manholes	2700
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	3	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 50% Constructed

Total Collection System Line Length = 11.28 miles (Collection: 1.71 miles, Interceptors: 9.57 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
SX21233018	Diamond Area Sewer Study	6-10 Years	Not Funded	$100,000	Webster		8
SX21101038	Finely Addition Sewer Extension	0-2 Years	Partially Funded	$2,100,000	Henderson		17

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)	12.000
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 = 186.11 miles (Collection: 172.94 miles, Interceptors: 13.17 miles).

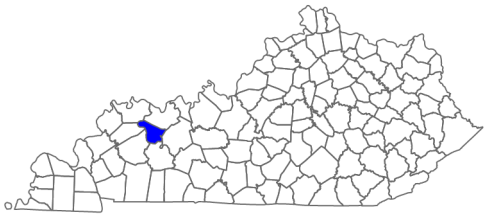
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21101023	Henderson Water Utility Manhole Renovation	3-5 Years	Not Funded	$1,100,000	Henderson	10	2
SX21101014	Holloway Hills Sewer Extension	6-10 Years	Not Funded	$600,000	Henderson	11	3
SX21101016	Grantwood Sewer Service Extension	6-10 Years	Not Funded	$1,000,000	Henderson	12	4
SX21101018	Graham Hill Sewer Extensions	3-5 Years	Not Funded	$3,150,000	Henderson	35	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
SX21233018	Diamond Area Sewer Study	6-10 Years	Not Funded	$100,000	Webster		8
SX21101029	North Treatment Plant Improvements	3-5 Years	Not Funded	$200,000	Henderson		10
SX21101030	Janalee Drive Pump Station Rehabilitation	3-5 Years	Not Funded	$1,900,000	Henderson		11
SX21101002	Canoe Creek Phase II Sewer Improvements	3-5 Years	Partially Funded	$11,000,000	Henderson		12
SX21101005	Country Club Sewer Extension	6-10 Years	Not Funded	$1,200,000	Henderson		13
SX21101038	Finely Addition Sewer Extension	0-2 Years	Partially Funded	$2,100,000	Henderson		17

McLean County

- 2010 census population of 9,531 (4,264 households) with 42% serviceable.
- Projected 2020 population of 9,271 (change of -260).
- McLean County has 52.32 miles of existing sewer lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $4,500,000.
- 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 42 percent of the county's households based on 2010 census counts. Over the next ten years approximately 420 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 1,196 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 Calhoun	1	$2,480,000	-	400	-	-	-
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	3	$1,595,000	-	488	-	2.00	-
McLean County Fiscal Court	2	$920,000	27	50	2.00	-	-
Totals:	**13**	**$10,572,000**	**420**	**1,196**	**11.00**	**2.00**	**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	1,464	695
KY0091731	Sacramento Water Works	McLean	685	327
		Totals:	3,833	1,810

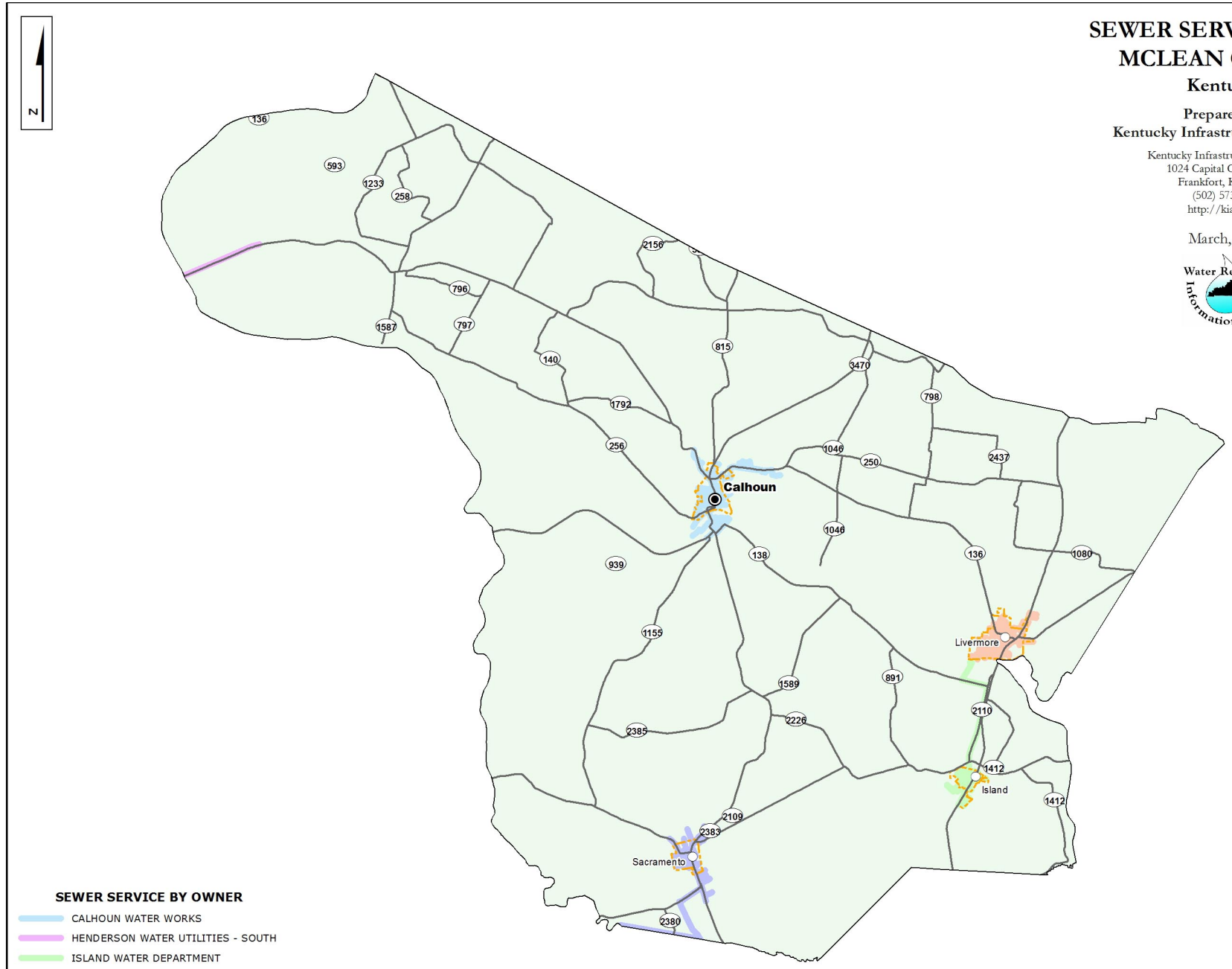
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MCLEAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Calhoun Water Works

Permit ID	KY0020125	Treats Wastewater	Yes, 0.4 MGD with 0.118 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)	50.803
Commercial Customers	47	Number of Manholes	310
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	14	2
SX21149026	KY815/KY81 Sanitary Sewer Project	3-5 Years	Not Funded	$800,000	McLean		7
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)	15.000
Commercial Customers	10	Number of Manholes	95
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	34	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		12
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	557	Total Treated (MG)	37.000
Commercial Customers	-	Number of Manholes	144
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 = 13.49 miles (Collection: 13.49 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	25	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	300
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	277	Total Treated (MG)	36.000
Commercial Customers	23	Number of Manholes	175
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 = 12.08 miles (Collection: 10.40 miles, Interceptors: 1.69 miles).			

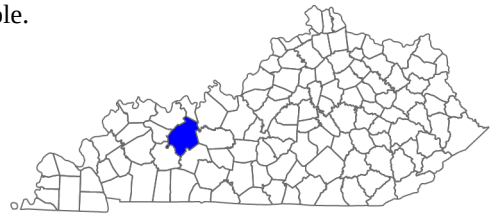
MG = Million Gallons.
MGD = Million Gallons per Day.

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	4	1
SX21149028	Sacramento Phase III Gravity Sewer Project	6-10 Years	Not Funded	$375,000	McLean	16	3
SX21149017	Sacramento Sewer Pumps 2	3-5 Years	Not Funded	$280,000	McLean		11

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 84.93 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	3,877	1,629
KYP000078	Centertown Water System	Ohio	538	219
KY0054801	Fordsville Water District	Ohio	554	242
KYP000077	Hartford Municipal Water Works	Ohio	2,547	1,125
KY0105791	Ohio County Regional Wastewater District	Ohio	165	67
		Totals:	7,681	3,282

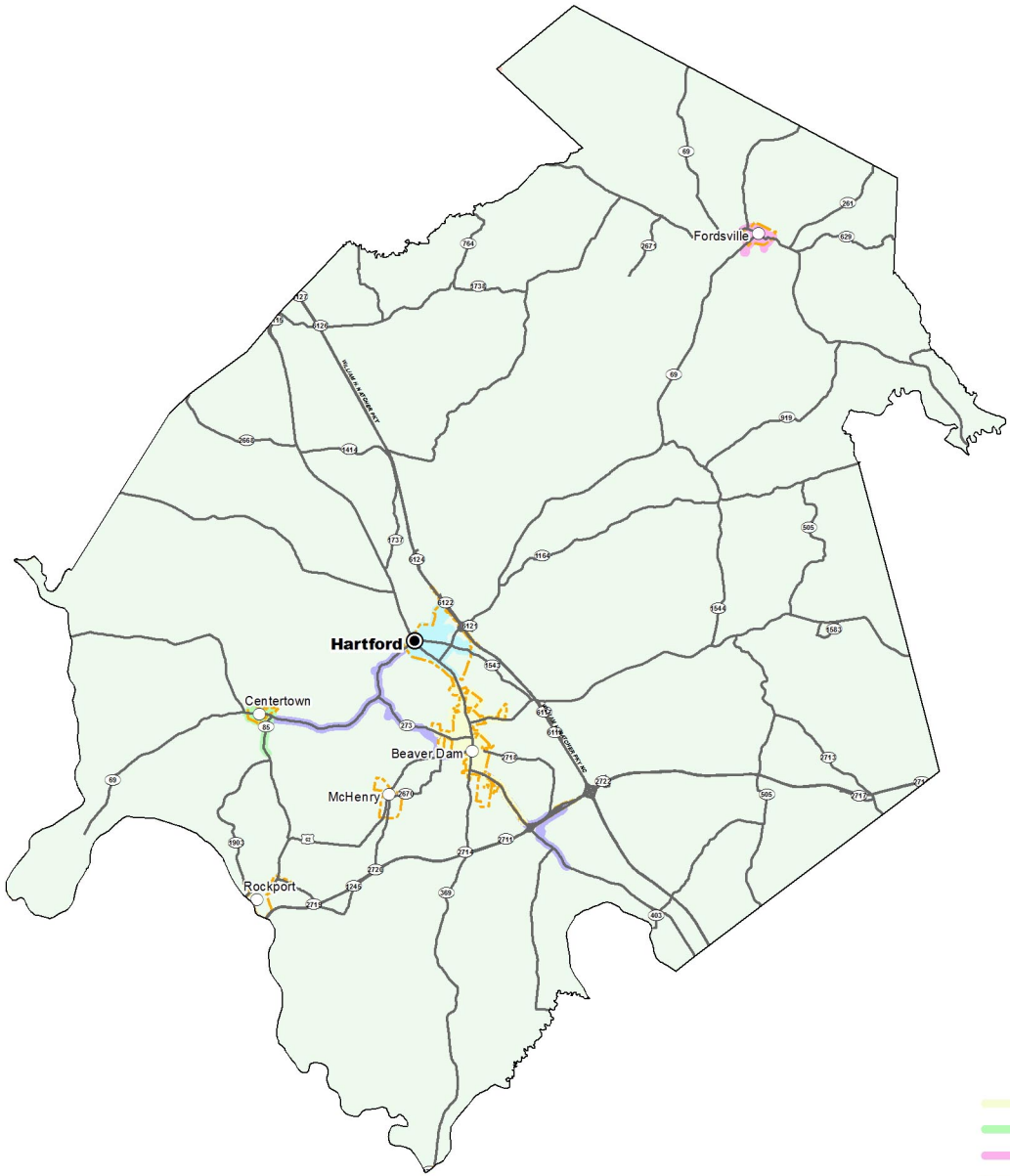
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
OHIO COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- BEAVER DAM MUNICIPAL WATER/SEWER
- CENTERTOWN WATER SYSTEM
- FORDSVILLE WATER DISTRICT
- HARTFORD MUNICIPAL WATER WORKS
- OHIO COUNTY REGIONAL WASTEWATER DISTRICT
- WHITESVILLE WATER WORKS

System Summary for Beaver Dam Municipal Water/Sewer

Permit ID	KYP000076	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,464
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	235.963
Cost Per 4000 Gallons	$40.03	Total KISOP Treated (MG)	-
Residential Customers	1,235	Total Treated (MG)	-
Commercial Customers	202	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed

Total Collection System Line Length = 28.63 miles (Collection: 28.63 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	33	5

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 = 6.75 miles (Collection: 5.65 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	5	1
SX21183007	Centertown Sewer Clean Out Machine Purchase Project	0-2 Years	Not Funded	$50,000	Ohio	31	4

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	257
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$37.44	Total KISOP Treated (MG)	-
Residential Customers	241	Total Treated (MG)	28.981
Commercial Customers	8	Number of Manholes	161
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	8	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		7

System Summary for Hartford Municipal Water Works

Permit ID	KYP000077	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,153
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	8	Total KISOP Sent (MG)	144.348
Cost Per 4000 Gallons	$45.29	Total KISOP Treated (MG)	-
Residential Customers	1,029	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 = 18.69 miles (Collection: 18.69 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	18	2
SX21183014	Hartford Sewer Rehabilitation Project - Phase II	0-2 Years	Partially Funded	$2,002,000	Ohio		6

System Summary for Ohio County Regional Wastewater District

Permit ID	KY0105791	Treats Wastewater	Yes, 3.5 MGD with 1.6 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	3
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$11.72	Total KISOP Treated (MG)	393.797
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 = 24.15 miles (Collection: 4.10 miles, Interceptors: 20.05 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 99.71 miles of existing sewer lines.
- 3.00 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: $9,857,142.
- 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 4,207 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 Morganfield	2	$5,052,742	-	1,827	-	4.00	-
City of Sturgis	4	$6,664,400	200	1,200	3.00	-	3.00
City of Uniontown	2	$1,850,000	-	1,180	-	-	-
Totals:	**8**	**$13,567,142**	**200**	**4,207**	**3.00**	**4.00**	**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	5,761	2,006
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:	9,283	3,686

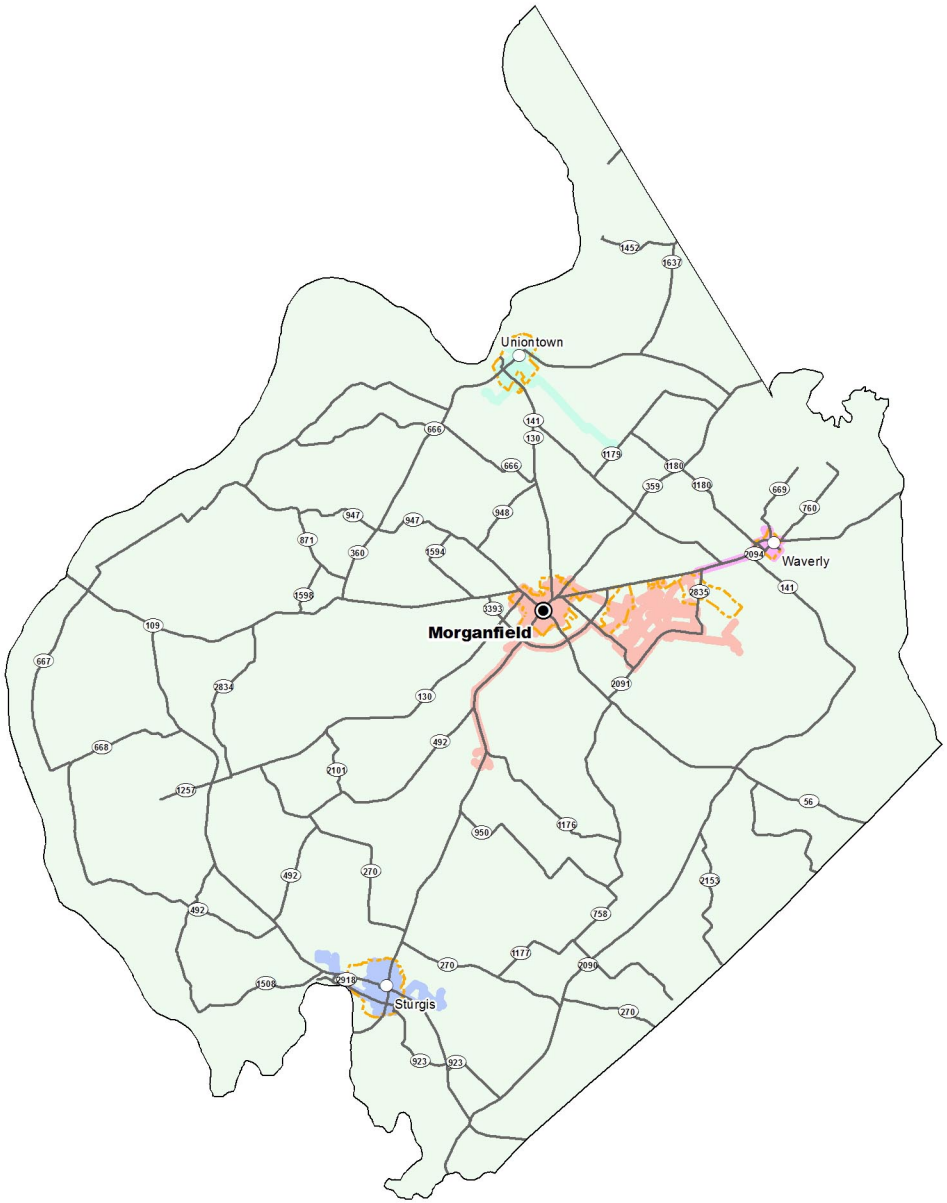
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
UNION COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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 = 61.02 miles (Collection: 58.10 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	$1,499,942	Union	15	2
SX21225006	Camp Breckenridge Sewer Rehab	0-2 Years	Not Funded	$3,552,800	Union	24	4

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	763
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	681	Total Treated (MG)	27.000
Commercial Customers	82	Number of Manholes	300
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	8	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
SX21225021	Grangertown Lift Station Rehab and Taylor (Camp) Road Lift Station Replacement	0-2 Years	Partially Funded	$415,000	Union		8

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	23	3
SX21225022	Uniontown Lagoon Dredging	0-2 Years	Not Funded	$850,000	Union		7
SX21225028	Pine Street Storm Sewer Replacement	0-2 Years	Partially Funded	$117,521	Union		9

System Summary for Waverly Wastewater Collection

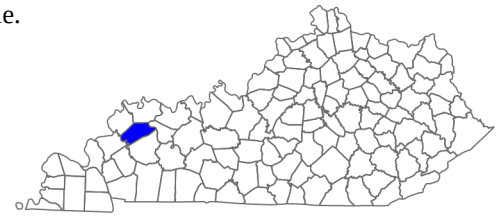
Permit ID	KYP000060	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	149
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	6.000
Cost Per 4000 Gallons	$32.40	Total KISOP Treated (MG)	-
Residential Customers	144	Total Treated (MG)	-
Commercial Customers	5	Number of Manholes	50
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 80.91 miles of existing sewer lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,870,750.
- Estimated funding needs for projects from 6 to 10 years: $2,321,500.



Webster County has a 2010 census population count of 13,621 (5,936 households) with a projected 2020 population count of 13,399 (5,292 households). Public sewer is currently available to approximately 47 percent of the county's households based on 2010 census counts. Over the next ten years approximately 246 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 3,450 instances of improved service through the rehabilitation of 9.00 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	$2,156,500	15	550	2.00	3.00	-
Webster County Fiscal Court	3	$5,103,000	231	-	4.00	-	-
Totals:	**9**	**$12,192,250**	**246**	**3,450**	**6.00**	**9.00**	**-**

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	2,868	1,447
KYP000054	Sebree Collection System	Webster	1,493	565
KYP000055	Webster County Sanitation District	Webster	835	281
		Totals:	6,377	2,807

Kentucky Infrastructure Authority
February 19, 2016

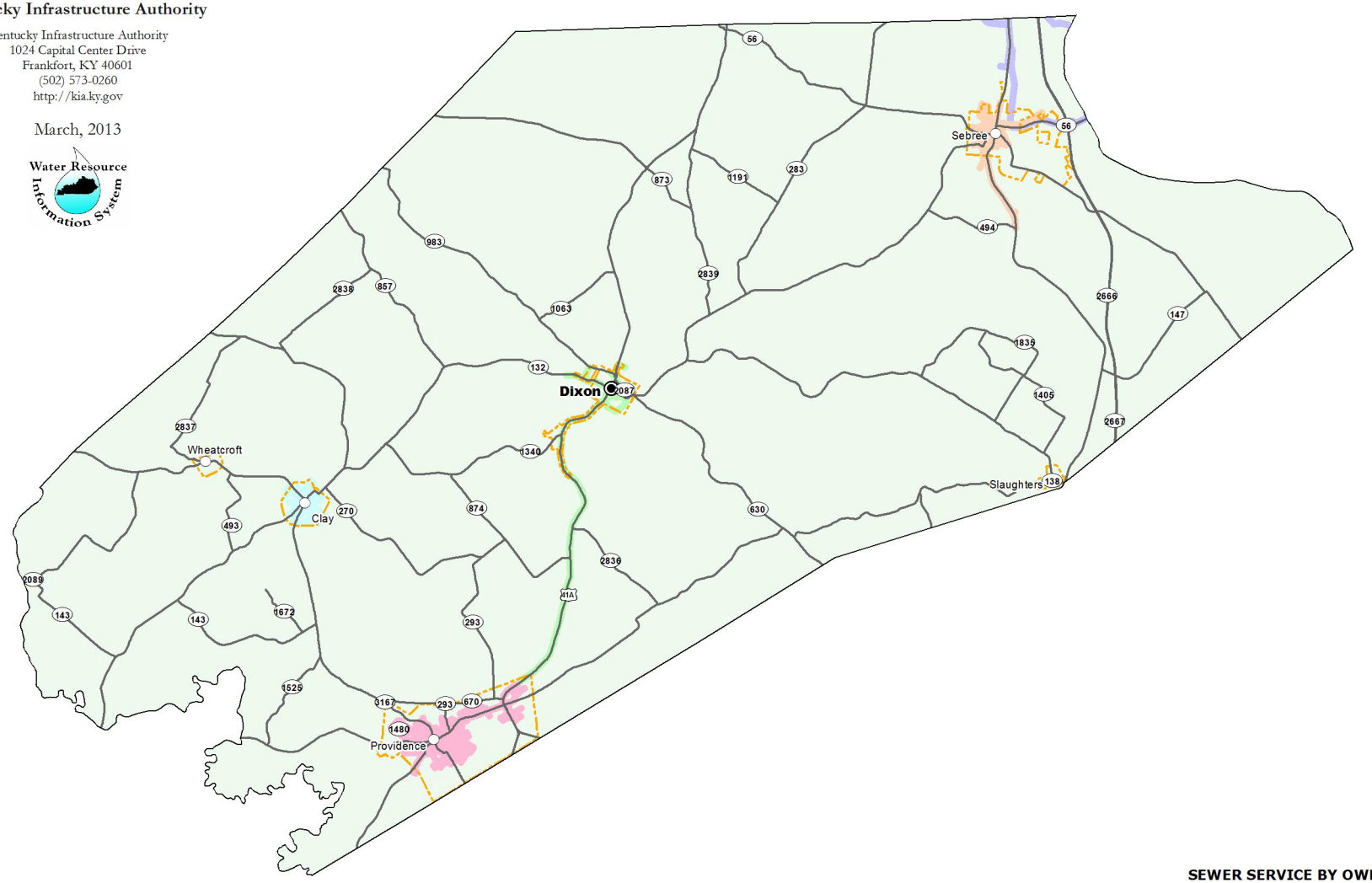
SEWER SERVICE AREAS
WEBSTER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

- CLAY WATER WORKS
- HENDERSON WATER UTILITIES - SOUTH
- PROVIDENCE WATER WORKS
- SEBREE COLLECTION SYSTEM
- WEBSTER COUNTY SANITATION DISTRICT

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	488
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	455	Total Treated (MG)	39.000
Commercial Customers	33	Number of Manholes	76
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)	24.600
Residential Customers	1,249	Total Treated (MG)	84.000
Commercial Customers	50	Number of Manholes	650
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 31.63 miles (Collection: 31.10 miles, Interceptors: 0.54 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	2	1
SX21233025	Providence Sanitary Sewer Upgrades	0-2 Years	Not Funded	$1,693,750	Webster	6	2
SX21233023	New Providence Area Sewer Project	6-10 Years	Not Funded	$1,200,000	Webster		6
SX21233018	Diamond Area Sewer Study	6-10 Years	Not Funded	$100,000	Webster		8
SX21233021	Providence Aerobic Digester Aeration Improvement Project	6-10 Years	Not Funded	$80,000	Webster		9

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)	75.000
Cost Per 4000 Gallons	$36.93	Total KISOP Treated (MG)	-
Residential Customers	538	Total Treated (MG)	-
Commercial Customers	27	Number of Manholes	172
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 13.14 miles (Collection: 13.14 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
SX21233020	Sebree I&I Sewer Rehab Project	3-5 Years	Not Funded	$1,215,000	Webster	7	3
SX21233024	Sebree Highway 370 Sewer Line Extension	6-10 Years	Not Funded	$941,500	Webster	28	5

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)	24.600
Cost Per 4000 Gallons	$36.72	Total KISOP Treated (MG)	-
Residential Customers	356	Total Treated (MG)	-
Commercial Customers	54	Number of Manholes	170
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).			

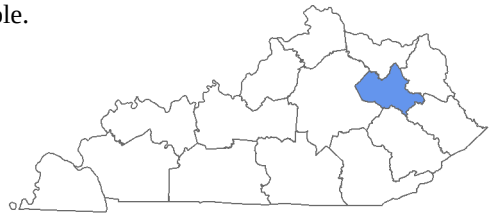
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21233001	Webster County Sanitation Expansion Project	3-5 Years	Not Funded	$4,615,000	Webster	26	4
SX21233007	Dixon Sewer to Pioneer Plastics	3-5 Years	Not Funded	$388,000	Webster		7

Gateway Area Development District (GWADD)

- 2010 census population of 81,652 (36,780 households) with 41% serviceable.
- Projected 2020 population of 87,651 (change of 5,999).
- 361.74 miles of existing sewer lines.
- 21.00 miles of line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $19,895,369.
- Estimated funding needs for projects from 6 to 10 years: $3,195,089.
- Average age of wastewater treatment plants is 24 years.
- Total number of interconnected systems is 0.
- 67 miles of sewer lines less than 15 years old.
- 209 miles of sewer lines between 15 and 30 years old.
- 70 miles of sewer lines between 31 and 50 years old.
- 19 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 41 percent of the district's households based on 2010 census counts. Over the next ten years approximately 636 serviceable households will be added through the construction of 21.00 miles of sewer line extensions and approximately 52,016 instances of improved service through the rehabilitation of 11.00 miles of existing sewer lines and other appurtenances. 1.00 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	1,758	33%	$ 6,394,829
Menifee	6,306	3,744	6,038	2,422	572	15%	$ 6,327,100
Montgomery	26,499	11,699	30,750	12,483	6,271	54%	$ 3,285,589
Morgan	13,923	5,830	14,023	5,126	892	15%	$ 4,007,940
Rowan	23,333	10,102	24,708	9,546	5,748	57%	$ 3,075,000
Totals	**81,652**	**36,780**	**87,651**	**34,583**	**15,241**	**41%**	**$ 23,090,458**

Kentucky Infrastructure Authority
February 19, 2016

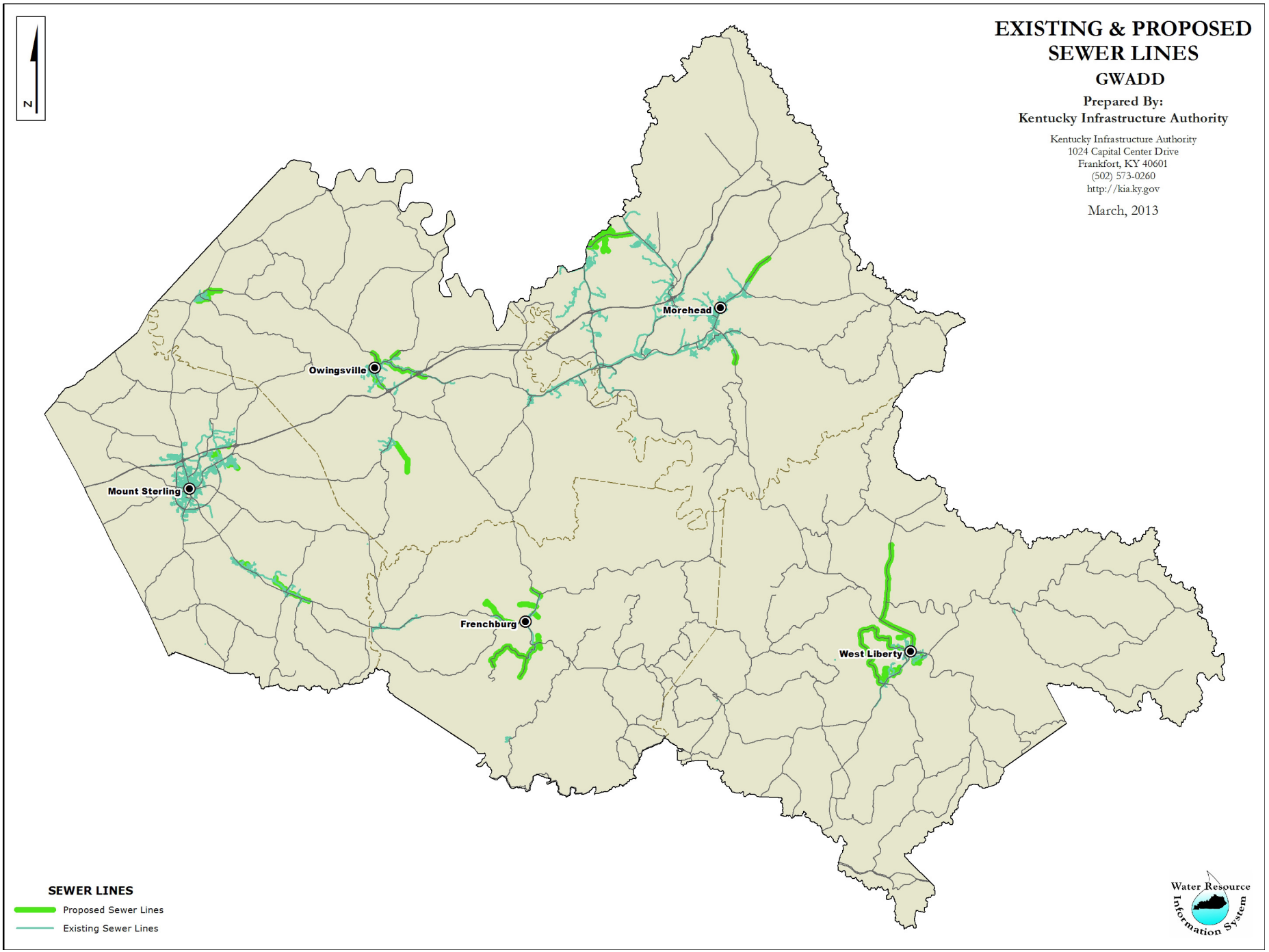
EXISTING & PROPOSED SEWER LINES

GWADD

Prepared By:
Kentucky Infrastructure Authority

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

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	153	72
KY0024287	City of Owingsville	Bath	1,996	992
KY0088421	City of Sharpsburg	Bath	393	229
KY0040584	City of Frenchburg	Menifee	720	387
KY0100901	Menifee County Sanitation District # 1	Menifee	420	177
KY0069736	Montgomery County Sanitation Dist #2	Montgomery	1,767	791
KY0104400	Mount Sterling Water and Sewer	Montgomery	11,882	5,480
KY0089567	City of West Liberty	Morgan	3,665	892
KY0052752	Morehead Utility Plant Board	Rowan	15,139	6,259
		Totals:	36,135	15,279

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	Partially Funded	$3,257,940	Morgan	2	1
SX21205035	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	$200,000	Rowan	3	1
SX21205033	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sewer	3-5 Years	Not Funded	$500,000	Rowan	4	2
SX21011002	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	$700,000	Bath	5	2
SX21165015	City of Frenchburg Bryant Lane/Shotgun Hollow Sewer Line Extension Project	3-5 Years	Not Funded	$650,250	Menifee	6	1
SX21011017	City of Owingsville KY 36 North Sewer Extension	3-5 Years	Not Funded	$563,284	Bath	7	3
SX21205038	Morehead Utility Plant Board Autothermal Thermophilic Aerobic Digestion (ATAD) Rehab	3-5 Years	Not Funded	$500,000	Rowan	8	3
SX21011007	City of Sharpsburg Oaklawn Line Extension Project	3-5 Years	Not Funded	$892,865	Bath	9	4
SX21165007	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	$4,000,000	Menifee	10	2
SX21165020	City of Frenchburg Miscellaneous Sewer Extension Project	3-5 Years	Not Funded	$455,000	Menifee	11	3
SX21173027	Mount Sterling Water and Sewer SCADA System Replacement Project	3-5 Years	Not Funded	$45,000	Montgomery	12	1
SX21173066	Montgomery County Sanitation Dist #2 Boom and Clarifier Weirs Replacement Project	3-5 Years	Not Funded	$75,000	Montgomery	13	2
SX21173033	Montgomery County Sanitation District No. 2 Head Works Screen Pr	3-5 Years	Not Funded	$200,000	Montgomery	14	3
SX21205041	Morehead Utility Plant Board US 60 Sewer Line Rehab	6-10 Years	Not Funded	$1,500,000	Rowan	15	4
SX21173034	Montgomery County Sanitation District No. 2 Pump Station Upgrade	3-5 Years	Not Funded	$510,000	Montgomery	16	4
SX21011016	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	$590,000	Bath	17	5
SX21205031	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	$250,000	Rowan	18	5
SX21165018	City of Frenchburg Wastewater Collection System Rehab	3-5 Years	Not Funded	$1,061,850	Menifee	19	4
SX21011018	Bath County Sanitation District Preston Sewer Project Phase II	3-5 Years	Not Funded	$470,000	Bath	20	6
SX21175010	City of West Liberty System Sewer Line Replacement Project	6-10 Years	Not Funded	$750,000	Morgan	21	2
SX21173063	Montgomery County Sanitation District No. 2 Sludge Holding Tank	6-10 Years	Not Funded	$170,089	Montgomery	22	5
SX21173024	Montgomery County Sanitation District No. 2 Pump Station No. 5 P	3-5 Years	Not Funded	$267,000	Montgomery	23	6
SX21173010	Montgomery Co. Sanitation Dist.#2 Lift Station and Line Upgrade	3-5 Years	Not Funded	$464,000	Montgomery	24	7
SX21011020	City of Owingsville Sewer Extension to Remaining Unserved In City Limits	3-5 Years	Not Funded	$100,000	Bath	25	7
SX21011023	Slate Avenue Pumping Station Re-Route Project	0-2 Years	Not Funded	$93,680	Bath	26	8
SX21165017	Menifee County Sanitation District No. 1 Equalization Basin	11-20 Years	Not Funded	$750,000	Menifee	27	5
SX21011015	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	$225,000	Bath	28	9
SX21173023	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	$275,000	Montgomery	29	8
SX21173014	Mt. Sterling Water & Sewer System Manhole Rehab Project	11-20 Years	Not Funded	$625,000	Montgomery	30	9
SX21173049	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade P	6-10 Years	Not Funded	$100,000	Montgomery	31	10
SX21205039	Morehead Utility Plant Board Lift Station No. 7 Rehab	3-5 Years	Not Funded	$125,000	Rowan	32	6

Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21173051	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	33	11
SX21173052	Mt. Sterling Water & Sewer Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	34	12
SX21173053	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	35	13
SX21173054	Mt. Sterling Water & Sewer LMS Lift Station Elimination	3-5 Years	Not Funded	$100,000	Montgomery	36	14
SX21173017	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	$75,000	Montgomery	37	15
SX21173046	Montgomery County Sanitation District Upgrade Chlorine Room At W	0-2 Years	Not Funded	$14,500	Montgomery	38	16
SX21173068	Portable Emergency Generator Project	3-5 Years	Not Funded	$60,000	Montgomery	39	17
SX21173048	Montgomery County Sanitation District No. 2 Phosphate Reduction	3-5 Years	Not Funded	$100,000	Montgomery	40	18
SX21173055	Mt. Sterling Water & Sewer I&I Study and Repair Project	11-20 Years	Not Funded	$1,000,000	Montgomery	41	19
SX21165021	City of Frenchburg I & I Analysis Project	3-5 Years	Not Funded	$60,000	Menifee	42	6
SX21173015	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	6-10 Years	Not Funded	$75,000	Montgomery	43	20
SX21173050	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	6-10 Years	Not Funded	$175,000	Montgomery	44	21
SX21011019	Bath County Sanitation District Valve and Riser Lid Replacement	0-2 Years	Not Funded	$60,000	Bath	45	10
SX21173056	Mt. Sterling Water & Sewer System Mapping Project	6-10 Years	Not Funded	$225,000	Montgomery	46	22
SX21173062	Montgomery County Sanitation District No. 2 Combo Vac Truck Project	6-10 Years	Not Funded	$100,000	Montgomery	47	23
SX21165014	Menifee County Sanitation District System Improvement Project Phase 2	6-10 Years	Not Funded	$100,000	Menifee	48	7
			Total Cost:	**$25,465,458**			

Bath County

- 2010 census population of 11,591 (5,405 households) with 33% serviceable.
- Projected 2020 population of 12,132 (change of 541).
- Bath County has 50.40 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.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,394,829.
- There are no projects planned from 6 to 10 years.

Bath County has a 2010 census population count of 11,591 (5,405 households) with a projected 2020 population count of 12,132 (5,006 households). Public sewer is currently available to approximately 33 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 1,432 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			
Bath County Sanitation District	2	$530,000	50	130	2.00	-	-
City of Owingsville	7	$4,971,964	37	1,302	2.00	1.00	-
City of Sharpsburg	1	$892,865	40	-	1.00	-	1.00
Totals:	**10**	**$6,394,829**	**127**	**1,432**	**5.00**	**1.00**	**1.00**

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	153	72
KY0024287	City of Owingsville	Bath	1,996	992
KY0088421	City of Sharpsburg	Bath	393	229
KY0052752	Morehead Utility Plant Board	Rowan	884	456
		Totals:	3,426	1,749

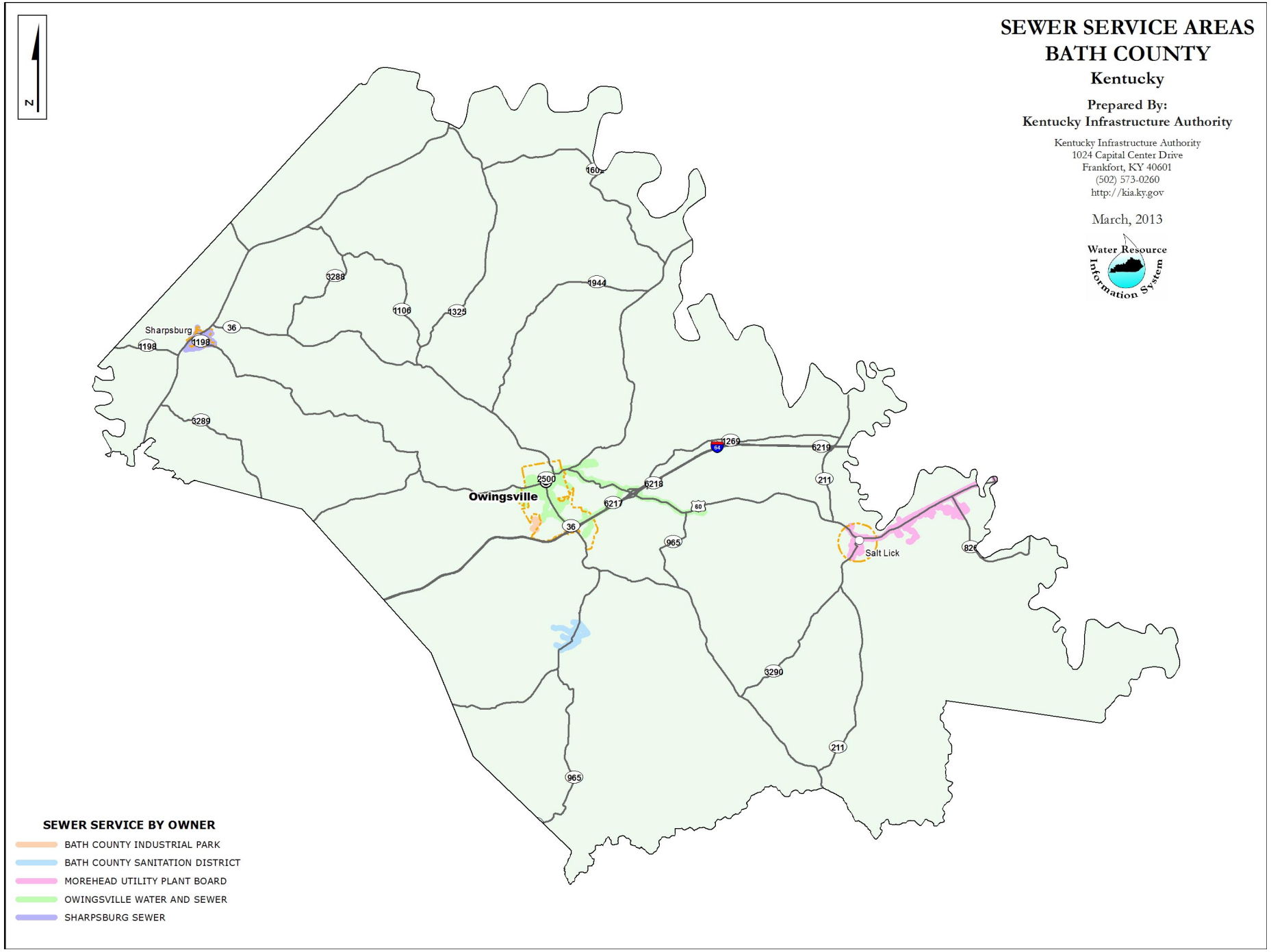
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BATH COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Bath County Sanitation District

Permit ID	KIA011001	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	84
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.00	Total KISOP Treated (MG)	-
Residential Customers	75	Total Treated (MG)	2.300
Commercial Customers	9	Number of Manholes	75
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 = 4.46 miles (Collection: 3.61 miles, Interceptors: 0.85 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	3-5 Years	Not Funded	$470,000	Bath	20	6
SX21011019	Bath County Sanitation District Valve and Riser Lid Replacement	0-2 Years	Not Funded	$60,000	Bath	45	10

System Summary for City of Owingsville

Permit ID	KY0024287	Treats Wastewater	Yes, 0.22 MGD with 0.213 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	915
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.18	Total KISOP Treated (MG)	-
Residential Customers	849	Total Treated (MG)	77.000
Commercial Customers	76	Number of Manholes	160
Institutional Customers	16	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 = 23.48 miles (Collection: 20.68 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
SX21011002	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	$700,000	Bath	5	2
SX21011017	City of Owingsville KY 36 North Sewer Extension	3-5 Years	Not Funded	$563,284	Bath	7	3
SX21011016	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	$590,000	Bath	17	5
SX21011020	City of Owingsville Sewer Extension to Remaining Unserved In City Limits	3-5 Years	Not Funded	$100,000	Bath	25	7
SX21011023	Slate Avenue Pumping Station Re-Route Project	0-2 Years	Not Funded	$93,680	Bath	26	8
SX21011015	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	$225,000	Bath	28	9

System Summary for City of Sharpsburg

Permit ID	KY0088421	Treats Wastewater	Yes, 0.07 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	179
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.82	Total KISOP Treated (MG)	-
Residential Customers	170	Total Treated (MG)	12.770
Commercial Customers	9	Number of Manholes	110
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: 3.83 miles, Interceptors: 0.70 miles).			

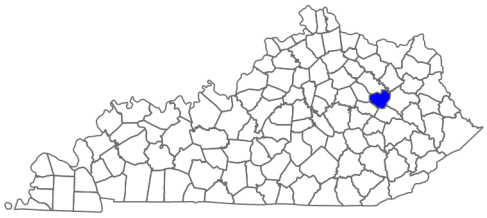
MG = Million Gallons.
MGD = Million Gallons per Day.

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	9	4

Menifee County

- 2010 census population of 6,306 (3,744 households) with 15% serviceable.
- Projected 2020 population of 6,038 (change of -268).
- Menifee County has 15.67 miles of existing sewer lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,227,100.
- 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 15 percent of the county's households based on 2010 census counts. Over the next ten years approximately 95 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 755 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 Frenchburg	5	$6,227,100	95	647	8.00	2.00	-
Menifee County Sanitation District #1	1	$100,000	-	108	-	-	-
Totals:	**6**	**$6,327,100**	**95**	**755**	**8.00**	**2.00**	**-**

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	720	387
KY0100901	Menifee County Sanitation District # 1	Menifee	420	177
		Totals:	1,140	564

Kentucky Infrastructure Authority
February 19, 2016

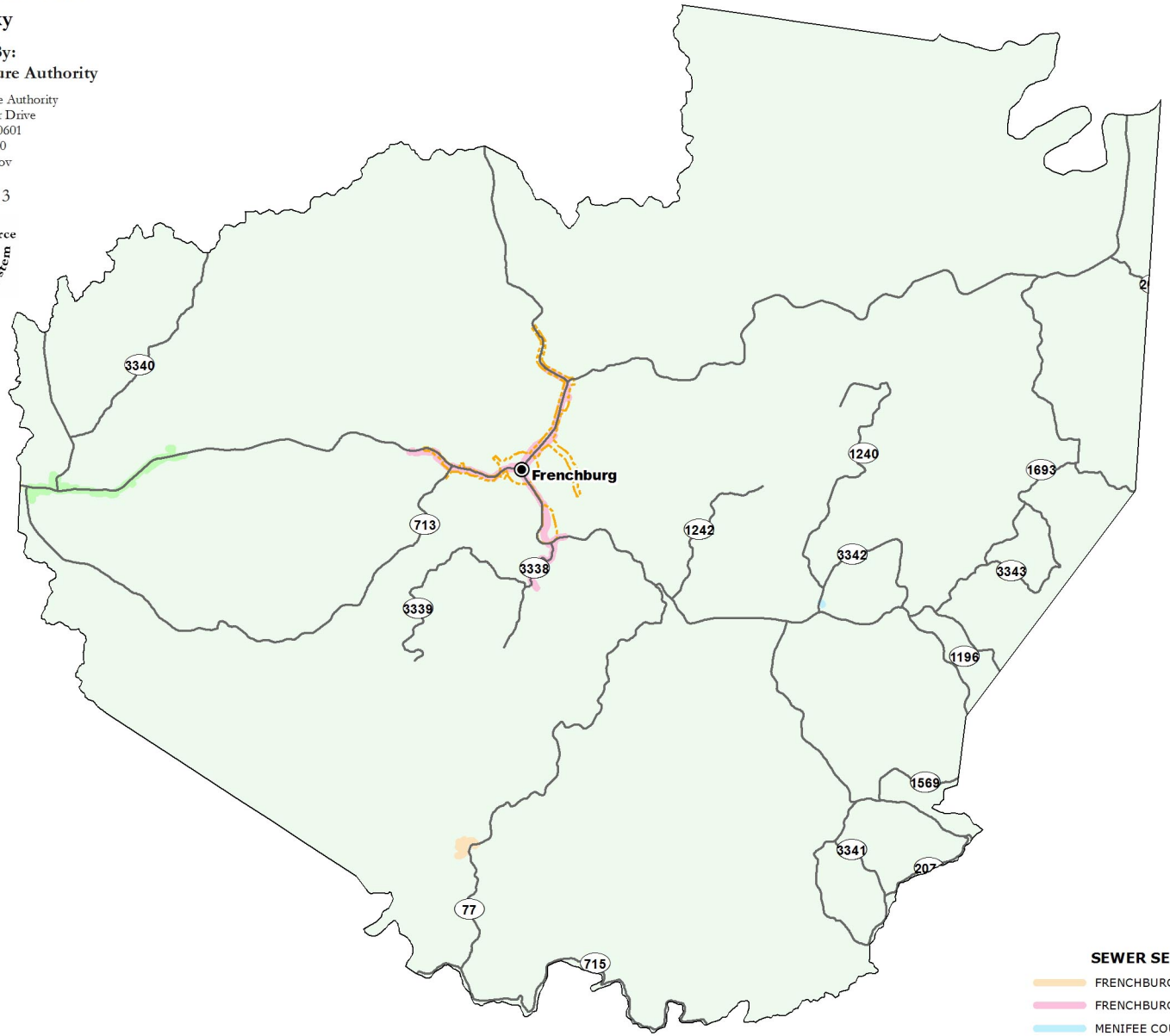
SEWER SERVICE AREAS
MENIFEE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for City of Frenchburg

Permit ID	KY0040584	Treats Wastewater	Yes, 0.22 MGD with 0.172 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	261
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	198	Total Treated (MG)	62.717
Commercial Customers	51	Number of Manholes	150
Institutional Customers	12	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 = 8.80 miles (Collection: 8.71 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	6	1
SX21165007	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	$4,000,000	Menifee	10	2
SX21165020	City of Frenchburg Miscellaneous Sewer Extension Project	3-5 Years	Not Funded	$455,000	Menifee	11	3
SX21165018	City of Frenchburg Wastewater Collection System Rehab	3-5 Years	Not Funded	$1,061,850	Menifee	19	4
SX21165021	City of Frenchburg I & I Analysis Project	3-5 Years	Not Funded	$60,000	Menifee	42	6

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	116
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	110	Total Treated (MG)	14.600
Commercial Customers	2	Number of Manholes	63
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 = 5.89 miles (Collection: 5.66 miles, Interceptors: 0.23 miles).			

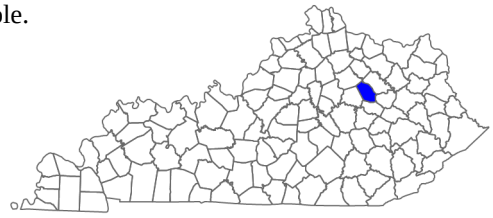
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21165014	Menifee County Sanitation District System Improvement Project Phase 2	6-10 Years	Not Funded	$100,000	Menifee	48	7

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 111.10 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.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $2,440,500.
- Estimated funding needs for projects from 6 to 10 years: $845,089.



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 33,149 instances of improved service through the rehabilitation of 3.00 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			
Montgomery County Sanitation District #2	10	$1,960,589	-	6,534	-	2.00	-
Mount Sterling Water and Sewer	11	$1,325,000	-	26,615	-	1.00	-
Totals:	**21**	**$3,285,589**	**-**	**33,149**	**-**	**3.00**	**-**

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	1,767	791
KY0104400	Mount Sterling Water and Sewer	Montgomery	11,882	5,480
		Totals:	13,649	6,271

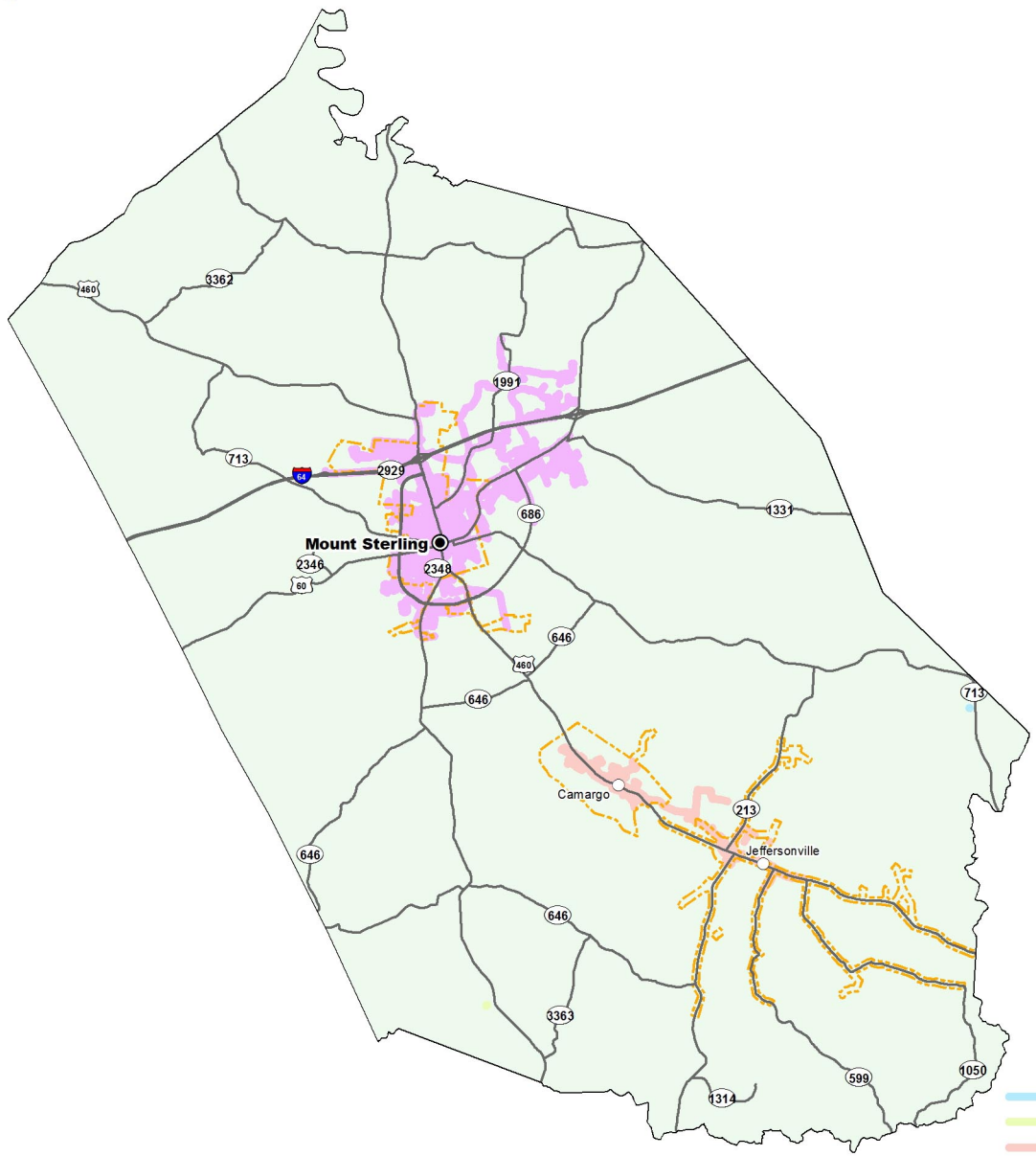
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MONTGOMERY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Montgomery County Sanitation Dist #2

Permit ID	KY0069736	Treats Wastewater	Yes, 0.28 MGD with 0.135 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	653
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$36.87	Total KISOP Treated (MG)	-
Residential Customers	621	Total Treated (MG)	49.139
Commercial Customers	31	Number of Manholes	273
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 = 17.67 miles (Collection: 16.09 miles, Interceptors: 1.58 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
SX21173066	Montgomery County Sanitation Dist #2 Boom and Clarifier Weirs Replacement Project	3-5 Years	Not Funded	$75,000	Montgomery	13	2
SX21173033	Montgomery County Sanitation District No. 2 Head Works Screen Pr	3-5 Years	Not Funded	$200,000	Montgomery	14	3
SX21173034	Montgomery County Sanitation District No. 2 Pump Station Upgrade	3-5 Years	Not Funded	$510,000	Montgomery	16	4
SX21173063	Montgomery County Sanitation District No. 2 Sludge Holding Tank	6-10 Years	Not Funded	$170,089	Montgomery	22	5
SX21173024	Montgomery County Sanitation District No. 2 Pump Station No. 5 P	3-5 Years	Not Funded	$267,000	Montgomery	23	6
SX21173010	Montgomery Co. Sanitation Dist.#2 Lift Station and Line Upgrade	3-5 Years	Not Funded	$464,000	Montgomery	24	7
SX21173046	Montgomery County Sanitation District Upgrade Chlorine Room At W	0-2 Years	Not Funded	$14,500	Montgomery	38	16
SX21173068	Portable Emergency Generator Project	3-5 Years	Not Funded	$60,000	Montgomery	39	17
SX21173048	Montgomery County Sanitation District No. 2 Phosphate Reduction	3-5 Years	Not Funded	$100,000	Montgomery	40	18
SX21173062	Montgomery County Sanitation District No. 2 Combo Vac Truck Project	6-10 Years	Not Funded	$100,000	Montgomery	47	23

System Summary for Mount Sterling Water and Sewer

Permit ID	KY0104400	Treats Wastewater	Yes, 3 MGD with 2.36 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,778
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	4,176	Total Treated (MG)	860.270
Commercial Customers	560	Number of Manholes	3421
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 = 93.40 miles (Collection: 89.66 miles, Interceptors: 3.74 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
SX21173027	Mount Sterling Water and Sewer SCADA System Replacement Project	3-5 Years	Not Funded	$45,000	Montgomery	12	1
SX21173023	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	$275,000	Montgomery	29	8
SX21173049	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade P	6-10 Years	Not Funded	$100,000	Montgomery	31	10
SX21173051	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	33	11
SX21173052	Mt. Sterling Water & Sewer Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	34	12
SX21173053	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	$85,000	Montgomery	35	13
SX21173054	Mt. Sterling Water & Sewer LMS Lift Station Elimination	3-5 Years	Not Funded	$100,000	Montgomery	36	14
SX21173017	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	$75,000	Montgomery	37	15
SX21173015	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	6-10 Years	Not Funded	$75,000	Montgomery	43	20
SX21173050	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	6-10 Years	Not Funded	$175,000	Montgomery	44	21
SX21173056	Mt. Sterling Water & Sewer System Mapping Project	6-10 Years	Not Funded	$225,000	Montgomery	46	22

System Summary for Old Silo Golf Course & Retirement Community

Permit ID	05016028	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 Old Silo Golf Course & Retirement Community

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 36.10 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: $3,257,940.
- Estimated funding needs for projects from 6 to 10 years: $750,000.

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 400 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 100 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 West Liberty	2	$4,007,940	400	100	7.00	2.00	-
Totals:	**2**	**$4,007,940**	**400**	**100**	**7.00**	**2.00**	**-**

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	3,665	892
		Totals:	3,665	892

Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MORGAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System

System Summary for City of West Liberty

Permit ID	KY0089567	Treats Wastewater	Yes, 0.85 MGD with 0.546 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	612
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.12	Total KISOP Treated (MG)	-
Residential Customers	491	Total Treated (MG)	199.290
Commercial Customers	113	Number of Manholes	140
Institutional Customers	6	Number of Lift Stations	20
Industrial Customers	2	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 35.77 miles (Collection: 35.37 miles, Interceptors: 0.40 miles).			

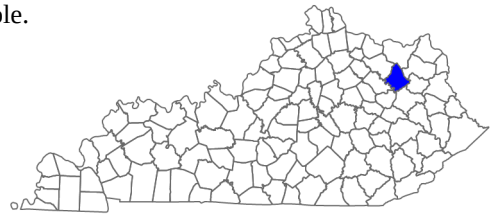
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21175013	City of West Liberty Liberty Road Sewer Extension	3-5 Years	Partially Funded	$3,257,940	Morgan	2	1
SX21175010	City of West Liberty System Sewer Line Replacement Project	6-10 Years	Not Funded	$750,000	Morgan	21	2

Rowan County

- 2010 census population of 23,333 (10,102 households) with 57% serviceable.
- Projected 2020 population of 24,708 (change of 1,375).
- Rowan County has 148.47 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $1,575,000.
- 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 57 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 1.00 miles of sewer line extensions and approximately 16,580 instances of improved service through the rehabilitation of 3.00 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			
Morehead Utility Plant Board	6	$3,075,000	14	16,580	1.00	3.00	-
Totals:	**6**	**$3,075,000**	**14**	**16,580**	**1.00**	**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	14,097	5,737
		Totals:	14,097	5,737

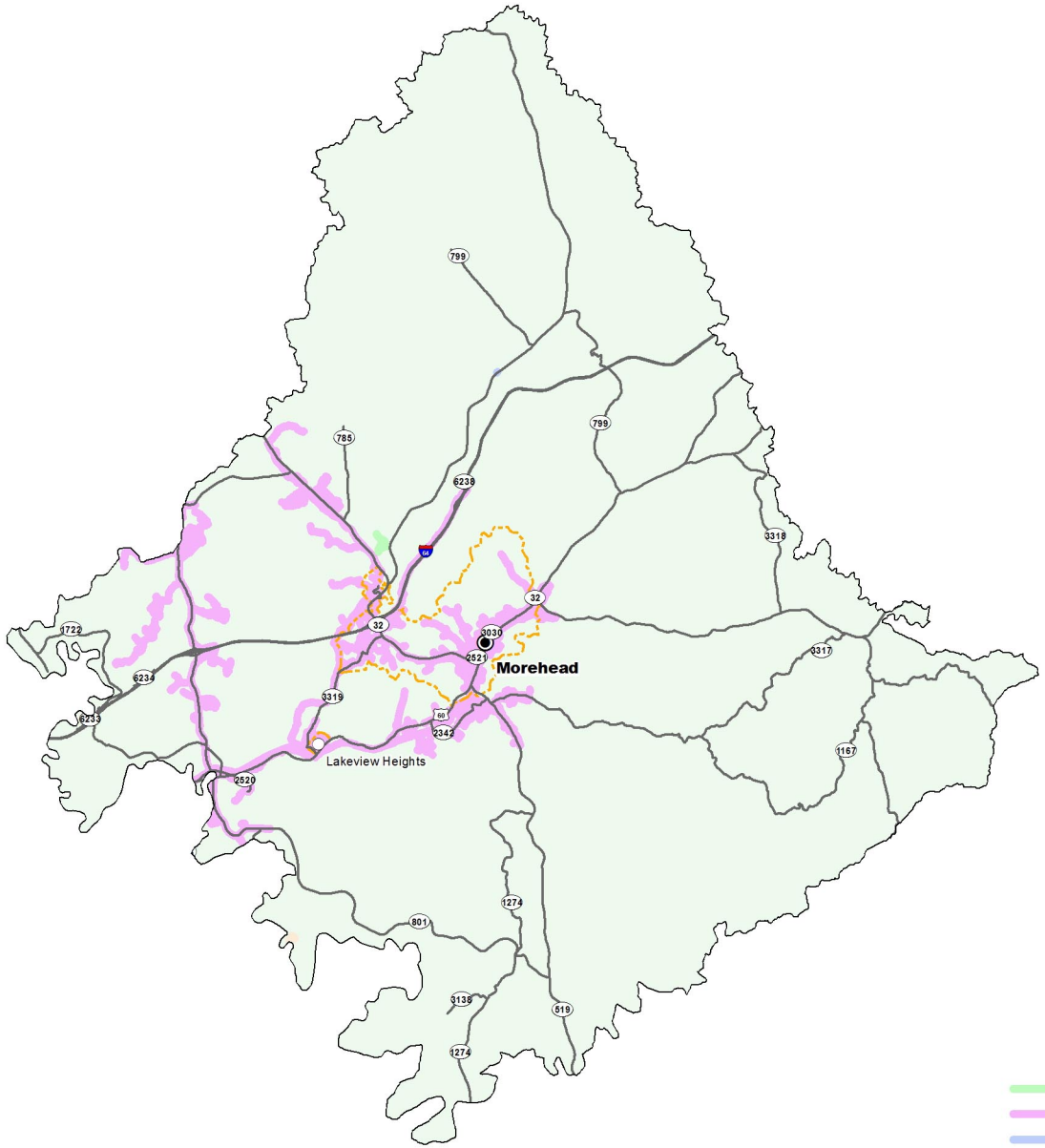
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
ROWAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Morehead Utility Plant Board

Permit ID	KY0052752	Treats Wastewater	Yes, 5 MGD with 2.915 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,407
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	38	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$17.87	Total KISOP Treated (MG)	-
Residential Customers	4,649	Total Treated (MG)	1,063.975
Commercial Customers	752	Number of Manholes	2453
Institutional Customers	-	Number of Lift Stations	70
Industrial Customers	6	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed

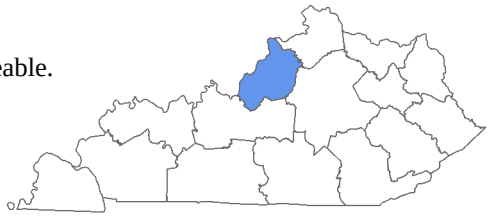
Total Collection System Line Length = 167.56 miles (Collection: 159.09 miles, Interceptors: 8.47 miles).

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
SX21205035	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	$200,000	Rowan	3	1
SX21205033	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sewer	3-5 Years	Not Funded	$500,000	Rowan	4	2
SX21205038	Morehead Utility Plant Board Autothermal Thermophilic Aerobic Digestion (ATAD) Rehab	3-5 Years	Not Funded	$500,000	Rowan	8	3
SX21205041	Morehead Utility Plant Board US 60 Sewer Line Rehab	6-10 Years	Not Funded	$1,500,000	Rowan	15	4
SX21205031	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	$250,000	Rowan	18	5
SX21205039	Morehead Utility Plant Board Lift Station No. 7 Rehab	3-5 Years	Not Funded	$125,000	Rowan	32	6

Kentuckiana Regional Planning and Development Agency (KIPDA)



- 2010 census population of 959,091 (421,502 households) with 88% serviceable.
- Projected 2020 population of 1,058,343 (change of 99,252).
- 7,473.24 miles of existing sewer lines.
- 25.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 19.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $134,331,437.
- Estimated funding needs for projects from 6 to 10 years: $21,225,601.
- Average age of wastewater treatment plants is 32 years.
- Total number of interconnected systems is 1.
- 564 miles of sewer lines less than 15 years old.
- 1,157 miles of sewer lines between 15 and 30 years old.
- 1,048 miles of sewer lines between 31 and 50 years old.
- 708 miles of sewer lines between 51 and 70 years old.
- 514 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 88 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,568 serviceable households will be added through the construction of 25.00 miles of sewer line extensions and approximately 9,144 instances of improved service through the rehabilitation of 9.00 miles of existing sewer lines and other appurtenances. 19.00 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	15,810	54%	$ 10,021,890
Henry	15,416	6,640	15,915	6,405	2,357	36%	$ 6,137,405
Jefferson	741,096	337,616	793,817	336,744	331,050	98%	$ 57,091,277
Oldham	60,316	20,688	74,990	26,354	10,907	53%	$ 70,318,403
Shelby	42,074	16,606	51,944	19,663	8,599	52%	$ 7,368,063
Spencer	17,061	6,704	23,655	9,025	667	10%	$ 1,650,000
Trimble	8,809	3,930	9,514	3,855	948	24%	$ 2,970,000
Totals	**959,091**	**421,502**	**1,058,343**	**437,016**	**370,338**	**88%**	**$ 155,557,038**

Kentucky Infrastructure Authority
February 19, 2016

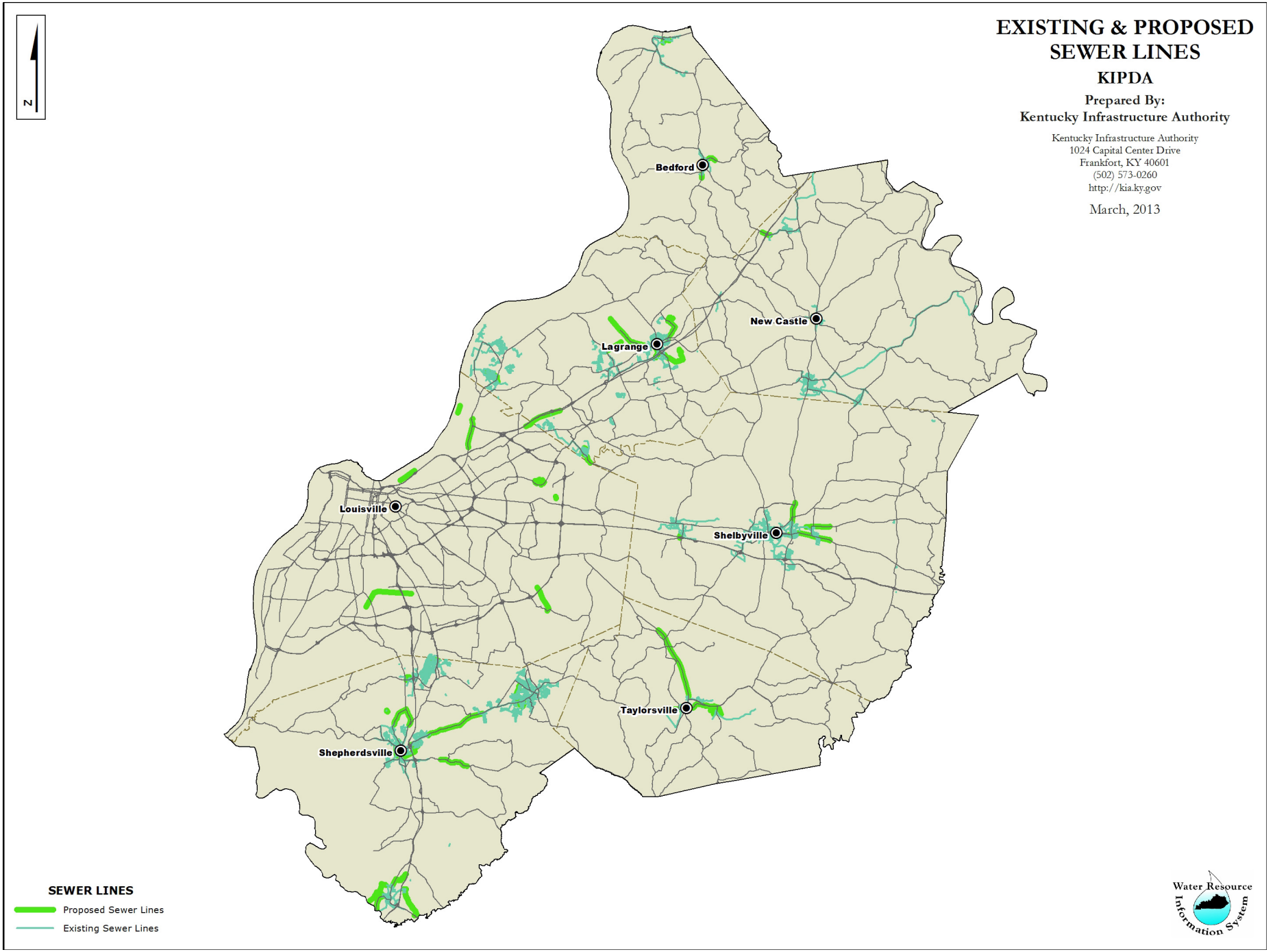
EXISTING & PROPOSED SEWER LINES

KIPDA

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



Public Sewer Systems in the Kentuckiana Regional Planning and Development Agency

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

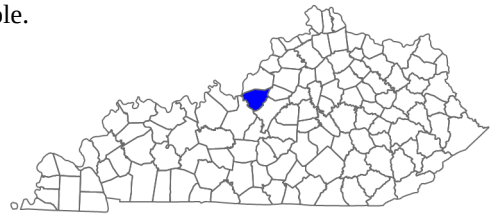
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	2,483	920
KY0034177	Bullitt County Sanitation District - BCSD Hillview #3	Bullitt	1,135	421
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	3,477	1,401
KY0034185	Bullitt County Sanitation District - Pioneer Village Sewer Plt #1	Bullitt	2,570	1,020
KY0094307	Bullitt County Sanitation District - Willabrook Sanitation	Bullitt	481	200
KY0104043	Lebanon Junction Wastewater	Bullitt	1,620	705
KY0033804	Mount Washington Water & Sewer Company	Bullitt	14,760	5,904
KY0027359	Shepherdsville Sewer	Bullitt	12,778	5,078
KY0026883	Eminence Wastewater	Henry	2,551	1,103
KY0031828	New Castle Wastewater	Henry	1,101	505
KYP000036	Pleasureville	Henry	966	427
KY0039021	Louisville & Jefferson County MSD - Bancroft	Jefferson	575	229
KY0098540	Louisville & Jefferson County MSD - Cedar Creek	Jefferson	44,158	17,640
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	206,126	87,524
KY0102784	Louisville & Jefferson County MSD - Floyds Fork	Jefferson	22,811	9,177
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	33,948	14,314
KY0029416	Louisville & Jefferson County MSD - McNeely Lake	Jefferson	1,431	589
KY0022411	Louisville & Jefferson County MSD - Morris Forman	Jefferson	420,132	202,564
KY0031712	Louisville & Jefferson County MSD - Starview	Jefferson	706	374
KY0020001	Lagrange Utilities Commission	Oldham	7,966	3,169
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	1,346	429
KY0060577	Oldham County Environmental Authority - Country Village	Oldham	549	209
KY0039870	Oldham County Environmental Authority - Lakewood Valley STP	Oldham	786	278
KY0054674	Oldham County Environmental Authority - Lockwood Estates Subdivision	Oldham	299	112
KY0076813	Oldham County Environmental Authority - Mockingbird Valley	Oldham	143	44
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	7,946	2,693
KY0033821	Oldham County Environmental Authority - Orchard Grass	Oldham	2,894	977
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	742	299
KY0078026	Oldham Woods Subdivision	Oldham	143	52
KY0020427	Shelbyville Municipal Water & Sewer Commission	Shelby	18,714	7,506
KY0065889	Simpsonville Wastewater	Shelby	2,644	1,057
KY0028142	Taylorsville Wastewater	Spencer	1,395	647
KY0069825	Bedford Wastewater	Trimble	983	431
KY0088625	Milton Wastewater	Trimble	1,055	517
		Totals:	821,414	368,515

Project Rankings For Kentuckiana Regional Planning and Development Agency

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	1	1
SX21185010	I-71 Interceptor Sewer Replacement	3-5 Years	Not Funded	$694,000	Oldham	2	1
SX21103011	Pleasureville Wastewater Capacity Upgrade	3-5 Years	Not Funded	$150,000	Henry	3	1
SX21029029	Shepherdsville-Blue Lick Stormwater Project	3-5 Years	Not Funded	$1,996,250	Bullitt	4	1
SX21111101	Hite Creek WTP Expansion	3-5 Years	Not Funded	$14,389,777	Jefferson	5	1
SX21223013	Wastewater System Improvements	0-2 Years	Not Funded	$1,500,000	Trimble	6	1
SX21029015	Willabrook Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	$3,000,000	Bullitt	7	2
SX21185011	South Pump Station	3-5 Years	Not Funded	$688,000	Oldham	8	2
SX21211008	Eminence Pike Gravity Sewers	3-5 Years	Not Funded	$2,380,000	Shelby	9	2
SX21223011	City of Milton - I/I Mitigation	3-5 Years	Not Funded	$350,000	Trimble	10	2
SX21103014	I-71 Exit 34 Sewer Extension	0-2 Years	Not Funded	$303,479	Henry	11	2
SX21185005	Madison Street Lift Station Upgrade	3-5 Years	Not Funded	$306,500	Oldham	12	3
SX21223008	Pump Station Rehabilitation	3-5 Years	Not Funded	$125,000	Trimble	13	3
SX21211014	Fast Action Response & Management (Farm) Project	3-5 Years	Not Funded	$336,000	Shelby	14	3
SX21185053	Orchard Grass Regional WWTP Phase 3	3-5 Years	Not Funded	$6,300,000	Oldham	15	4
SX21223012	City of Milton Main Trunk Sewers Cleaning, Televising and Repair	6-10 Years	Not Funded	$625,000	Trimble	16	4
SX21185032	Kentucky State Reformatory - Rehab Phase I	3-5 Years	Not Funded	$2,718,080	Oldham	17	5
SX21223010	Collection System Improvements & I/I Mitigation	6-10 Years	Not Funded	$370,000	Trimble	18	5
SX21185051	OCEA Lift Station Rehab, Renovation, and Replacement	3-5 Years	Not Funded	$2,005,000	Oldham	19	6
			Total Cost:	**$38,706,349**			

Bullitt County

- 2010 census population of 74,319 (29,318 households) with 54% serviceable.
- Projected 2020 population of 88,508 (change of 14,189).
- Bullitt County has 207.32 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.
- 4.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,521,890.
- 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 54 percent of the county's households based on 2010 census counts. Over the next ten years approximately 244 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 956 instances of improved service through the rehabilitation of 3.00 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			
Bullitt County Fiscal Court	1	$60,000	-	-	-	-	-
Bullitt County Sanitation District	5	$4,433,000	92	50	1.00	-	-
City of Lebanon Junction	4	$1,926,140	152	-	5.00	-	-
City of Mount Washington	1	$606,500	-	-	-	-	3.00
City of Shepherdsville	3	$2,996,250	-	906	-	3.00	1.00
Totals:	**14**	**$10,021,890**	**244**	**956**	**6.00**	**3.00**	**4.00**

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
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	2,323	862
KY0034177	Bullitt County Sanitation District - BCSD Hillview #3	Bullitt	1,135	421
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	3,283	1,304
KY0034185	Bullitt County Sanitation District - Pioneer Village Sewer Plt #1	Bullitt	2,570	1,020
KY0094307	Bullitt County Sanitation District - Willabrook Sanitation	Bullitt	481	200
KY0104043	Lebanon Junction Wastewater	Bullitt	1,620	705
KY0033804	Mount Washington Water & Sewer Company	Bullitt	14,760	5,904
KY0027359	Shepherdsville Sewer	Bullitt	12,778	5,078
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	88	33
		Totals:	39,038	15,527

Kentucky Infrastructure Authority
February 19, 2016

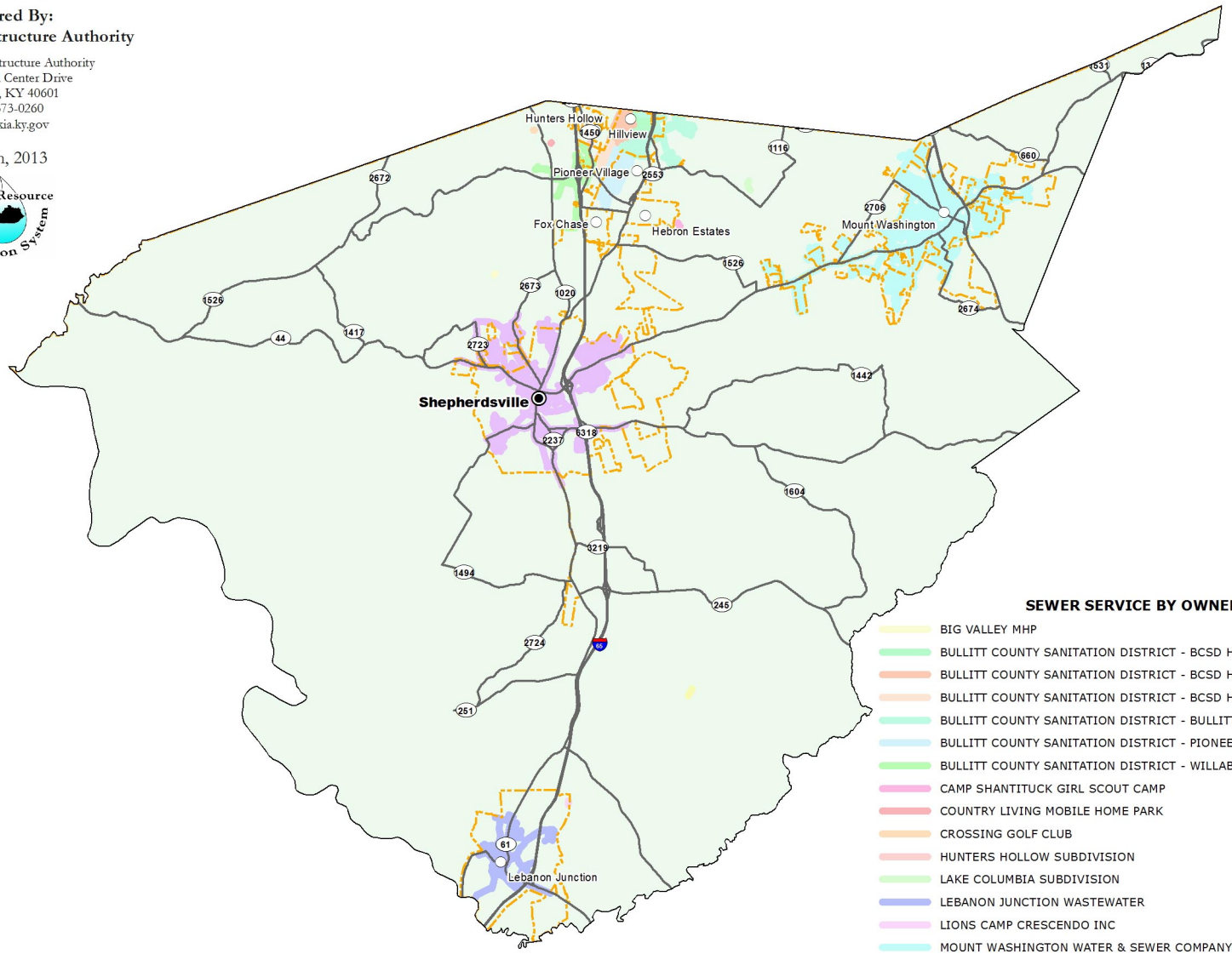
SEWER SERVICE AREAS
BULLITT COUNTY
Kentucky

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



System Summary for Bullitt County Sanitation District - BCSD Hillview #2

Permit ID	KY0034169	Treats Wastewater	Yes, 0.32 MGD with 0 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 = 6.58 miles (Collection: 6.58 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	5	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 = 3.19 miles (Collection: 3.19 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 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 = 12.17 miles (Collection: 12.17 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
SX21029023	Tanyard Springs Pump Station Rehabilitation	3-5 Years	Not Funded	$130,000	Bullitt		
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Bullitt County Sanitation District - Hillview STP

Permit ID	KY0103900	Treats Wastewater	Yes, 0.15 MGD with 0 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 = 8.12 miles (Collection: 8.12 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	23
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	1	Total Treated (MG)	21.170
Commercial Customers	18	Number of Manholes	56
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 = 6.77 miles (Collection: 6.77 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
SX21029030	Marvin Avenue Sanitary Sewer Extension	3-5 Years	Partially Funded	$175,000	Bullitt		
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	$60,000	Bullitt		

System Summary for Hunters Hollow Subdivision

Permit ID	KY0038610	Treats Wastewater	Yes, 0.24 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	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 Hunters Hollow Subdivision

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 = 0.00 miles (Collection: 0.00 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: 0.00 miles, Interceptors: 0.01 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	5
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.30 miles (Collection: 16.23 miles, Interceptors: 0.07 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: 90.63 miles, Interceptors: 0.14 miles).			

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

Project Summary (Top 18 Approved, 0-5 years) for Mount Washington Water & Sewer Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029018	Mt Washington Sewer Interceptor Line	3-5 Years	Not Funded	$606,500	Bullitt		

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	4,163	Total Treated (MG)	791.828
Commercial Customers	417	Number of Manholes	2000
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 60.39 miles (Collection: 60.22 miles, Interceptors: 0.17 miles).			

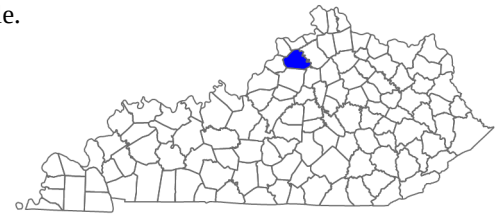
MG = Million Gallons.
MGD = Million Gallons per Day.

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	4	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		

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 75.95 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.
- 4.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $6,137,405.
- 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 115 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 8 instances of improved service through system wide upgrades. 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 Campbellsburg	1	$303,479	6	-	1.00	-	-
City of Carrollton	1	$2,120,926	9	-	-	-	1.00
City of Eminence	1	$150,000	-	-	-	-	-
City of New Castle	2	$728,000	-	-	-	-	-
City of Pleasureville	1	$150,000	-	-	-	-	-
La Grange Utilities Commission	1	$2,685,000	100	8	1.00	-	3.00
Totals:	**7**	**$6,137,405**	**115**	**8**	**2.00**	**-**	**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	2,551	1,103
KY0031828	New Castle Wastewater	Henry	1,101	505
KYP000036	Pleasureville	Henry	892	394
KY0104931	Carrollton Utilities	Carroll	795	355
		Totals:	5,339	2,357

Kentucky Infrastructure Authority
February 19, 2016

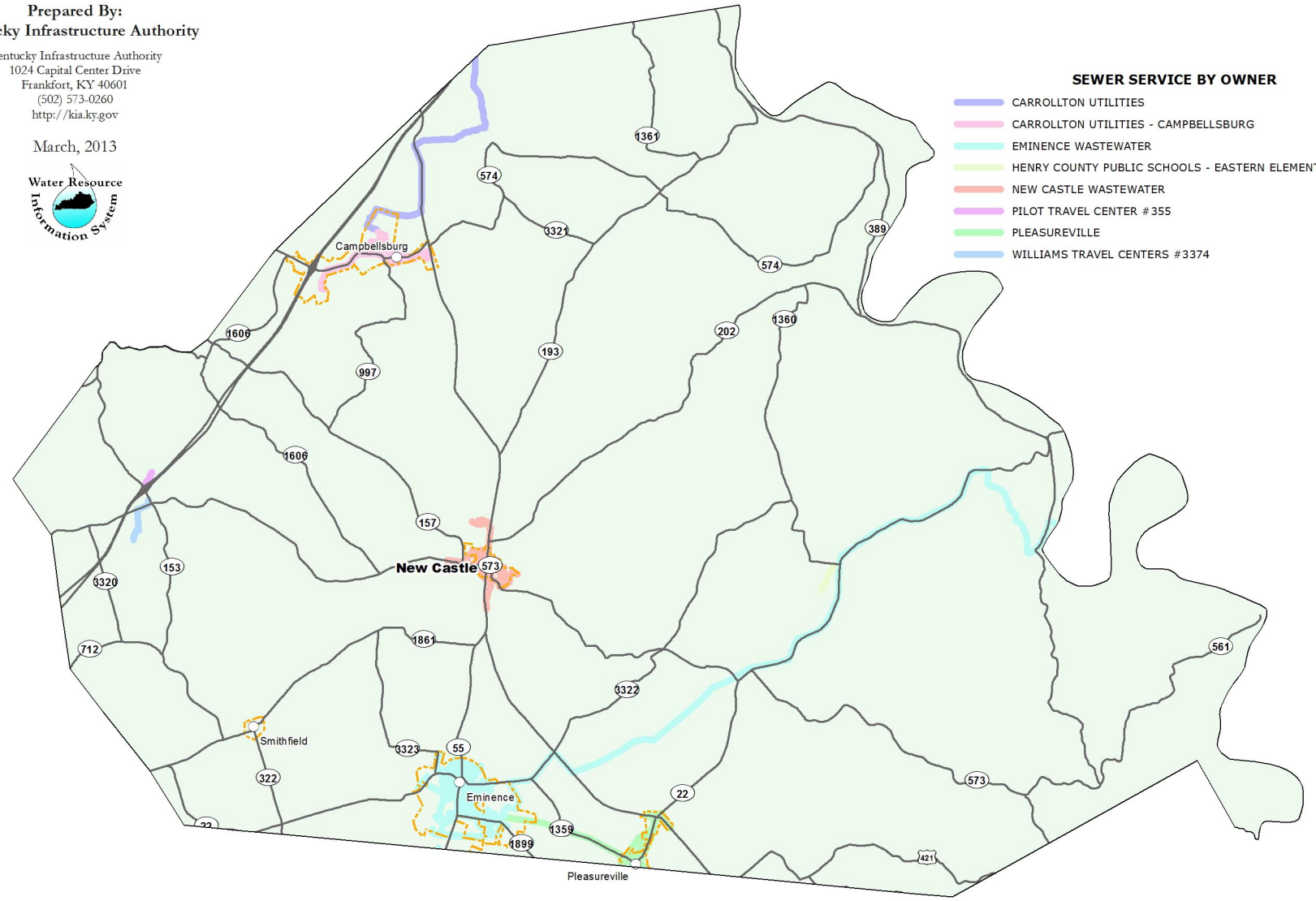
SEWER SERVICE AREAS
HENRY COUNTY
Kentucky

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 Carrollton Utilities - Campbellsburg

Permit ID	KYP000070	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	300	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 Carrollton Utilities - Campbellsburg

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21041003	CU - The 3444 Sanitary Sewer Project	0-2 Years	Not Funded	$2,120,926	Carroll		

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)	26.348
Residential Customers	1,019	Total Treated (MG)	142.244
Commercial Customers	98	Number of Manholes	483
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	3	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 41.11 miles (Collection: 23.84 miles, Interceptors: 17.26 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		

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	3	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 = 9.20 miles (Collection: 8.61 miles, Interceptors: 0.60 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	3-5 Years	Not Funded	$661,000	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)	26.348
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 = 10.97 miles (Collection: 8.47 miles, Interceptors: 2.50 miles).			

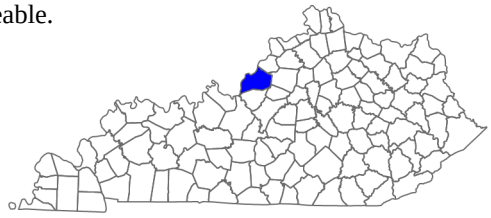
MG = Million Gallons.
MGD = Million Gallons per Day.

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	1

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 6,777.47 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.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $57,091,277.
- 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 50 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 300 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 Crestwood	1	$3,691,500	-	-	-	-	1.00
City of Middletown	1	$1,900,000	25	300	-	-	-
Louisville And Jefferson County Metropolitan Sewer District	10	$44,189,777	-	-	-	-	-
Louisville Water Company	1	$1,010,000	25	-	1.00	-	-
Oldham County Environmental Authority	1	$6,300,000	-	-	-	-	2.00
Totals:	**14**	**$57,091,277**	**50**	**300**	**1.00**	**-**	**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
KY0039021	Louisville & Jefferson County MSD - Bancroft	Jefferson	575	229
KY0098540	Louisville & Jefferson County MSD - Cedar Creek	Jefferson	44,158	17,640
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	206,038	87,491
KY0102784	Louisville & Jefferson County MSD - Floyds Fork	Jefferson	22,804	9,174
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	27,216	11,832
KY0029416	Louisville & Jefferson County MSD - McNeely Lake	Jefferson	1,431	589
KY0022411	Louisville & Jefferson County MSD - Morris Forman	Jefferson	420,132	202,564
KY0031712	Louisville & Jefferson County MSD - Starview	Jefferson	706	374
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	160	58
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	194	97
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	1,346	429
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	54	22
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	498	204
		Totals:	725,312	330,703

Kentucky Infrastructure Authority
February 19, 2016

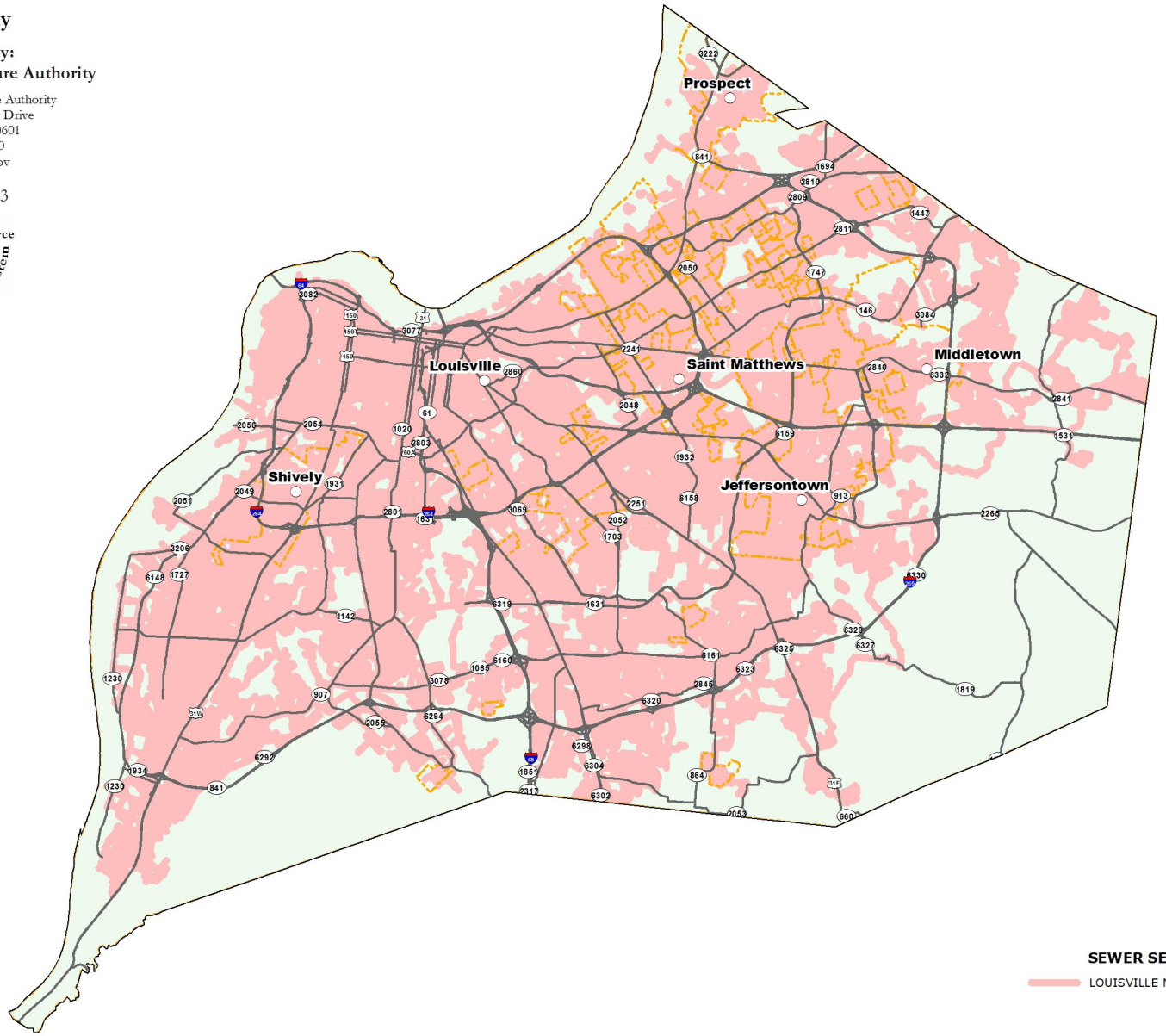
SEWER SERVICE AREAS
JEFFERSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



System Summary for Fern Creek Fire Dept Station No 2

Permit ID	12025044	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 Fern Creek Fire Dept Station No 2

System Summary for Louisville & Jefferson County MSD - Bancroft

Permit ID	KY0039021	Treats Wastewater	Yes, 0.08 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	202
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	606	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	Total KISOP Treated (MG)	-
Residential Customers	202	Total Treated (MG)	12.120
Commercial Customers	-	Number of Manholes	98
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 3.11 miles (Collection: 3.11 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Louisville & Jefferson County MSD - Bancroft

System Summary for Louisville & Jefferson County MSD - Berrytown

Permit ID	KY0036501	Treats Wastewater	Yes, 0.075 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	$35.36	Total KISOP Treated (MG)	-
Residential Customers	232	Total Treated (MG)	43.440
Commercial Customers	19	Number of Manholes	147
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 75% 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 Louisville & Jefferson County MSD - Berrytown

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21111001	Middletown Recapture	3-5 Years	Not Funded	$1,900,000	Jefferson		

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	10,991
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	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	44
Industrial Customers	-	Percent Lines 20 yrs or Older	25%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 239.50 miles (Collection: 239.50 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Louisville & Jefferson County MSD - Cedar Creek

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	63,865
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	606	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.74	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 = 936.74 miles (Collection: 936.74 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
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	7,657
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	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	27
Industrial Customers	-	Percent Lines 20 yrs or Older	32%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 176.77 miles (Collection: 176.77 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	8,428
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	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	63
Industrial Customers	5	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 216.61 miles (Collection: 216.61 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 WTP Expansion	3-5 Years	Not Funded	$14,389,777	Jefferson	5	1
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 - Hunting Creek North

Permit ID	KY0029106	Treats Wastewater	Yes, 0.358 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	$35.36	Total KISOP Treated (MG)	-
Residential Customers	1,509	Total Treated (MG)	95.270
Commercial Customers	31	Number of Manholes	448
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	57%
KISOP Customers	-	Has Facility Plan	Yes, 75% 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 Louisville & Jefferson County MSD - Hunting Creek North

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21111105	Transylvania Beach Sewer Installation	3-5 Years	Not Funded	$1,010,000	Jefferson		

System Summary for Louisville & Jefferson County MSD - Jeffersontown

Permit ID	KY0025194	Treats Wastewater	Yes, 4 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	$35.36	Total KISOP Treated (MG)	-
Residential Customers	5,849	Total Treated (MG)	1,171.650
Commercial Customers	888	Number of Manholes	2145
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	12	Percent Lines 20 yrs or Older	52%
KISOP Customers	-	Has Facility Plan	Yes, 75% 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.

There are no immediate projects for Louisville & Jefferson County MSD - Jeffersontown

System Summary for Louisville & Jefferson County MSD - Ken Carla

Permit ID	KY0022497	Treats Wastewater	Yes, 0.01 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	$35.36	Total KISOP Treated (MG)	-
Residential Customers	22	Total Treated (MG)	1.280
Commercial Customers	2	Number of Manholes	14
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 75% 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.

There are no immediate projects for Louisville & Jefferson County MSD - Ken Carla

System Summary for Louisville & Jefferson County MSD - McNeely Lake

Permit ID	KY0029416	Treats Wastewater	Yes, 0.205 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	389
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	Total KISOP Treated (MG)	-
Residential Customers	389	Total Treated (MG)	35.770
Commercial Customers	-	Number of Manholes	99
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	40%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 4.64 miles (Collection: 4.64 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Louisville & Jefferson County MSD - McNeely Lake

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	130,746
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	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	122
Industrial Customers	307	Percent Lines 20 yrs or Older	86%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 1,830.62 miles (Collection: 1,830.62 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
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		
SX21111124	South Central East Green Infrastructure Focus Area	3-5 Years	Not Funded	$3,600,000	Jefferson		
SX21111117	Southwest Greenway & Parkway 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		
SX21111119	Green Infrastructure Flood Control Basins Retrofit for Water Qua	3-5 Years	Not Funded	$2,400,000	Jefferson		
SX21111122	Northwest Green Infrastructure Focus Area	0-2 Years	Not Funded	$2,400,000	Jefferson		

System Summary for Louisville & Jefferson County MSD - Shadow Wood Subdivision

Permit ID	KY0031810	Treats Wastewater	Yes, 0.085 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	$35.36	Total KISOP Treated (MG)	-
Residential Customers	49	Total Treated (MG)	15.730
Commercial Customers	29	Number of Manholes	57
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	86%
KISOP Customers	-	Has Facility Plan	Yes, 75% 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.

There are no immediate projects for Louisville & Jefferson County MSD - Shadow Wood Subdivision

System Summary for Louisville & Jefferson County MSD - Starview

Permit ID	KY0031712	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	162
Owner Type	Metropolitan Sewer District (KRS 76)	KISOP Sender	No
Employees	592	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$35.36	Total KISOP Treated (MG)	-
Residential Customers	144	Total Treated (MG)	40.520
Commercial Customers	18	Number of Manholes	70
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

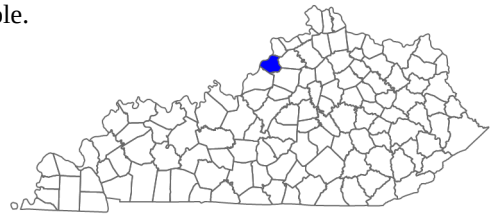
Total Collection System Line Length = 2.80 miles (Collection: 2.80 miles, Interceptors: 0.00 miles).

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

There are no immediate projects for Louisville & Jefferson County MSD - Starview

Oldham County

- 2010 census population of 60,316 (20,688 households) with 53% serviceable.
- Projected 2020 population of 74,990 (change of 14,674).
- Oldham County has 259.88 miles of existing sewer lines.
- 9.00 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: $50,587,802.
- Estimated funding needs for projects from 6 to 10 years: $19,730,601.



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 53 percent of the county's households based on 2010 census counts. Over the next ten years approximately 908 serviceable households will be added through the construction of 9.00 miles of sewer line extensions and approximately 7,598 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			
City of Crestwood	1	$3,691,500	-	-	-	-	2.00
La Grange Utilities Commission	9	$10,457,800	488	7,480	9.00	-	3.00
Oldham County Environmental Authority	12	$52,258,441	358	-	-	-	-
Oldham County Fiscal Court	4	$3,910,662	62	118	-	1.00	-
Totals:	**26**	**$70,318,403**	**908**	**7,598**	**9.00**	**1.00**	**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	7,966	3,169
KY0060577	Oldham County Environmental Authority - Country Village	Oldham	549	209
KY0039870	Oldham County Environmental Authority - Lakewood Valley STP	Oldham	786	278
KY0054674	Oldham County Environmental Authority - Lockwood Estates Subdivision	Oldham	299	112
KY0076813	Oldham County Environmental Authority - Mockingbird Valley	Oldham	143	44
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	7,892	2,671
KY0033821	Oldham County Environmental Authority - Orchard Grass	Oldham	2,894	977
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	244	95
KY0078026	Oldham Woods Subdivision	Oldham	143	52
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	6,732	2,482
		Totals:	27,648	10,089

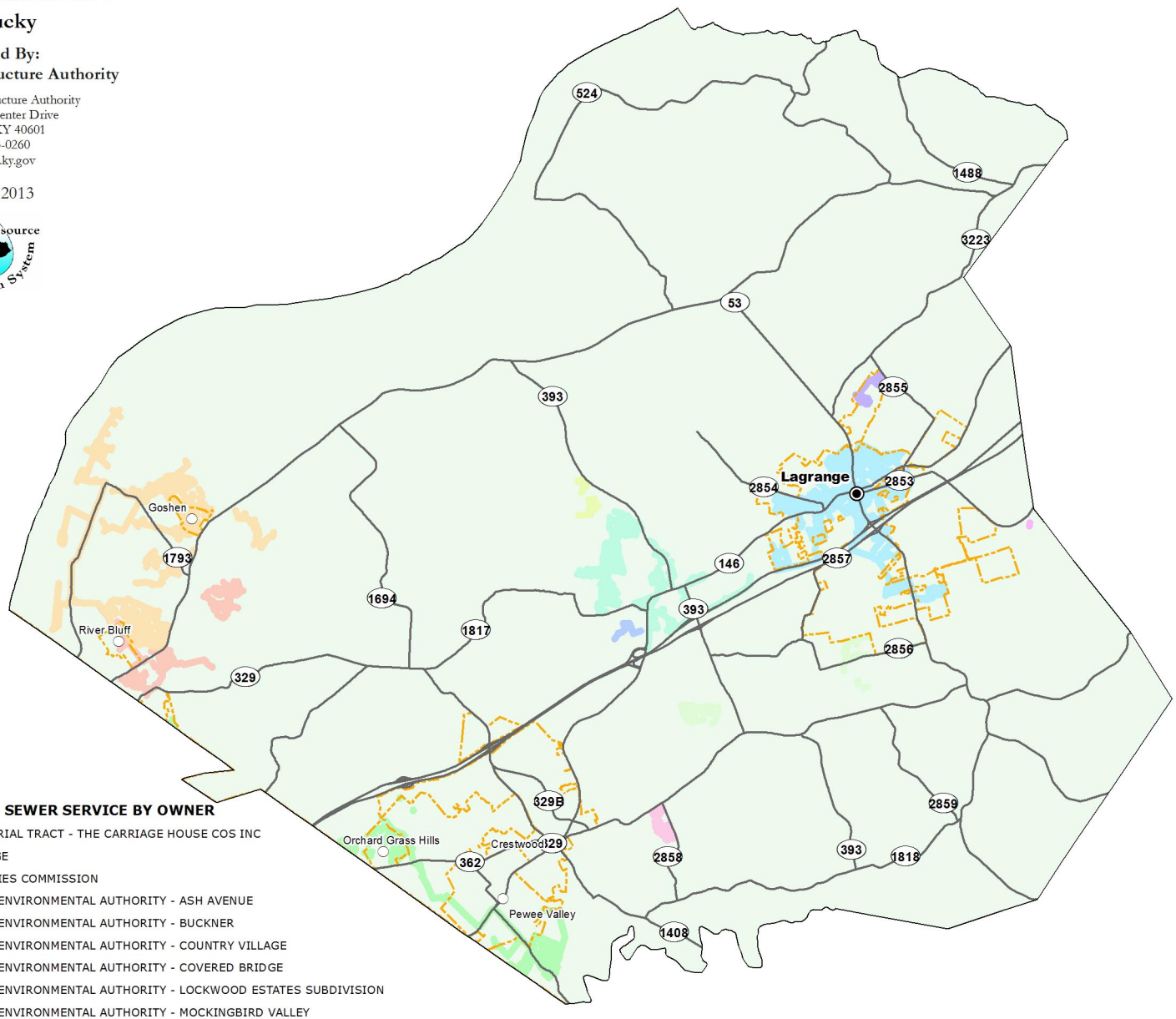
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
OLDHAM COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 Lagrange Utilities Commission

Permit ID	KY0020001	Treats Wastewater	Yes, 0.77 MGD with 0.83 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,792
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	11	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$25.49	Total KISOP Treated (MG)	-
Residential Customers	2,465	Total Treated (MG)	302.560
Commercial Customers	296	Number of Manholes	723
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed

Total Collection System Line Length = 40.08 miles (Collection: 40.03 miles, Interceptors: 0.05 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
SX21185010	I-71 Interceptor Sewer Replacement	3-5 Years	Not Funded	$694,000	Oldham	2	1
SX21185011	South Pump Station	3-5 Years	Not Funded	$688,000	Oldham	8	2
SX21185005	Madison Street Lift Station Upgrade	3-5 Years	Not Funded	$306,500	Oldham	12	3
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		
SX21185059	Pump Stations and Interceptor Sewer Upgrade	3-5 Years	Not Funded	$2,020,500	Oldham		
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 County Environmental Authority - Ash Avenue

Permit ID	KY0024724	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	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	2
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
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 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		
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 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		
SX21185038	I/I Program	6-10 Years	Not Funded	$2,000,000	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	3-5 Years	Not Funded	$2,005,000	Oldham	19	6
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
SX21185053	Orchard Grass Regional WWTP Phase 3	3-5 Years	Not Funded	$6,300,000	Oldham	15	4
SX21185052	Orchard Grass Regional WWTP Phase 2	0-2 Years	Partially Funded	$13,366,800	Oldham		
SX21185024	Crestwood Area Wastewater Expansion	3-5 Years	Not Funded	$6,285,960	Oldham		
SX21185038	I/I Program	6-10 Years	Not Funded	$2,000,000	Oldham		

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 = 2.85 miles (Collection: 2.85 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 - 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		
SX21185038	I/I Program	6-10 Years	Not Funded	$2,000,000	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: 1.70 miles, Interceptors: 0.16 miles).			

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

There are no immediate projects for Oldham Woods Subdivision

System Summary for River Bluffs Inc Subd

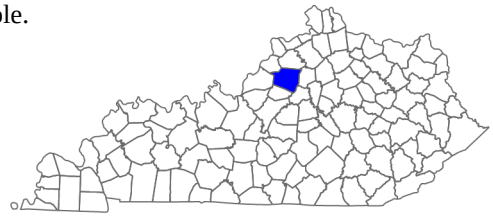
Permit ID	KY0043150	Treats Wastewater	Yes, 0.066 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.47	Total KISOP Treated (MG)	-
Residential Customers	-	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 = 0.00 miles (Collection: 0.00 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 111.98 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.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,368,063.
- 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. 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 Simpsonville	2	$768,800	-	-	-	-	-
Shelby County Fiscal Court	1	$1,250,000	-	-	-	-	3.00
Shelbyville Municipal Water & Sewer Commission	3	$5,349,263	6	257	1.00	4.00	-
Totals:	**6**	**$7,368,063**	**6**	**257**	**1.00**	**4.00**	**3.00**

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	2,644	1,057
KYP000036	Pleasureville	Henry	74	33
		Totals:	21,432	8,596

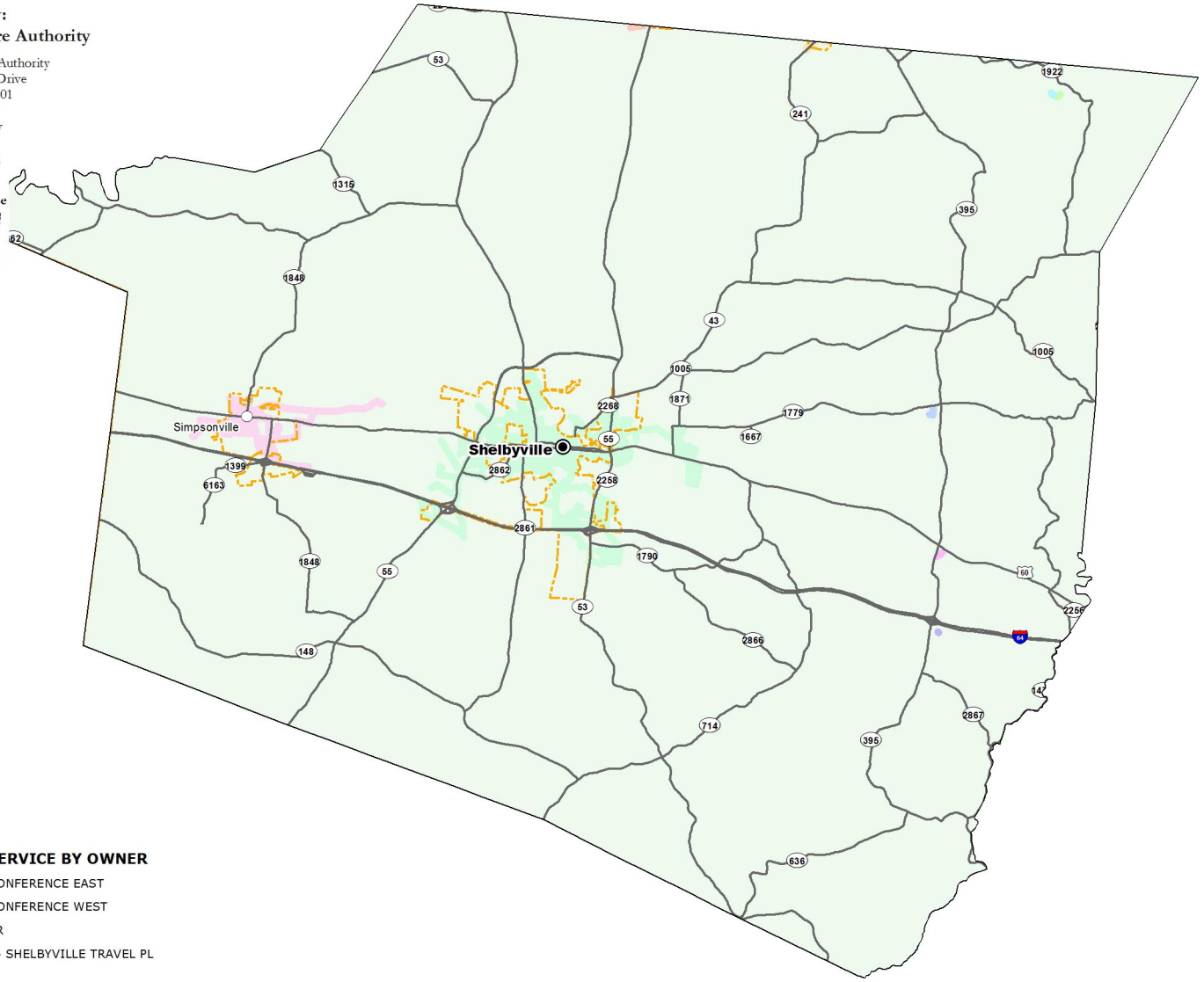
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
SHELBY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 = 0.00 miles (Collection: 0.00 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	1	1
SX21211008	Eminence Pike Gravity Sewers	3-5 Years	Not Funded	$2,380,000	Shelby	9	2
SX21211009	US 60 East Gravity Sewers	3-5 Years	Not Funded	$2,500,000	Shelby		
SX21211018	Project Cobra-Phase I	0-2 Years	Partially Funded	$1,250,000	Shelby		

System Summary for Simpsonville Wastewater

Permit ID	KY0065889	Treats Wastewater	Yes, 0.2 MGD with 0 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 = 25.05 miles (Collection: 21.56 miles, Interceptors: 3.49 miles).			

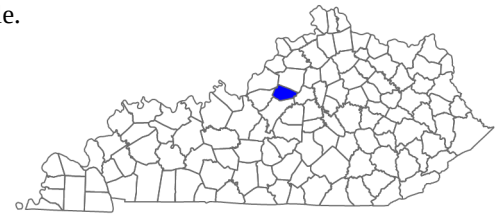
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21211014	Fast Action Response & Management (Farm) Project	3-5 Years	Not Funded	$336,000	Shelby	14	3
SX21211016	Simpsonville Outlet Shoppes Sewer Extension	0-2 Years	Not Funded	$432,800	Shelby		

Spencer County

- 2010 census population of 17,061 (6,704 households) with 10% serviceable.
- Projected 2020 population of 23,655 (change of 6,594).
- Spencer County has 14.43 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 10 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	1,395	647
		Totals:	1,395	647

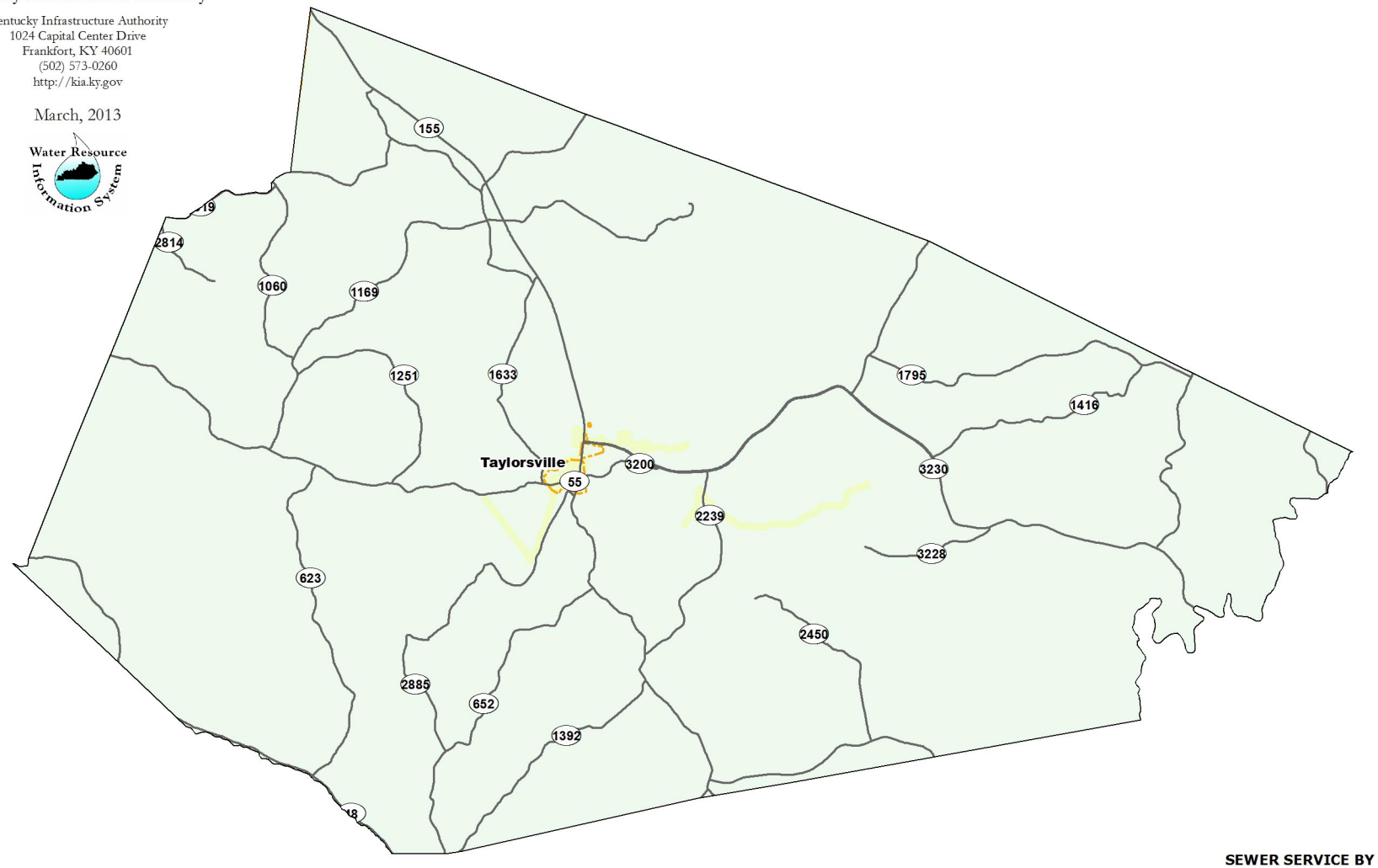
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
SPENCER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	7
Industrial Customers	-	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 11.41 miles (Collection: 9.22 miles, Interceptors: 2.19 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

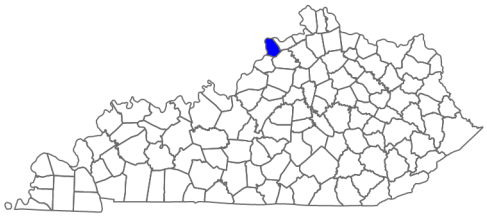
Permit ID	KY0105074	Treats Wastewater	Yes, 0.12 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total 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 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 26.21 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	983	431
KY0088625	Milton Wastewater	Trimble	1,055	517
		Totals:	2,038	948

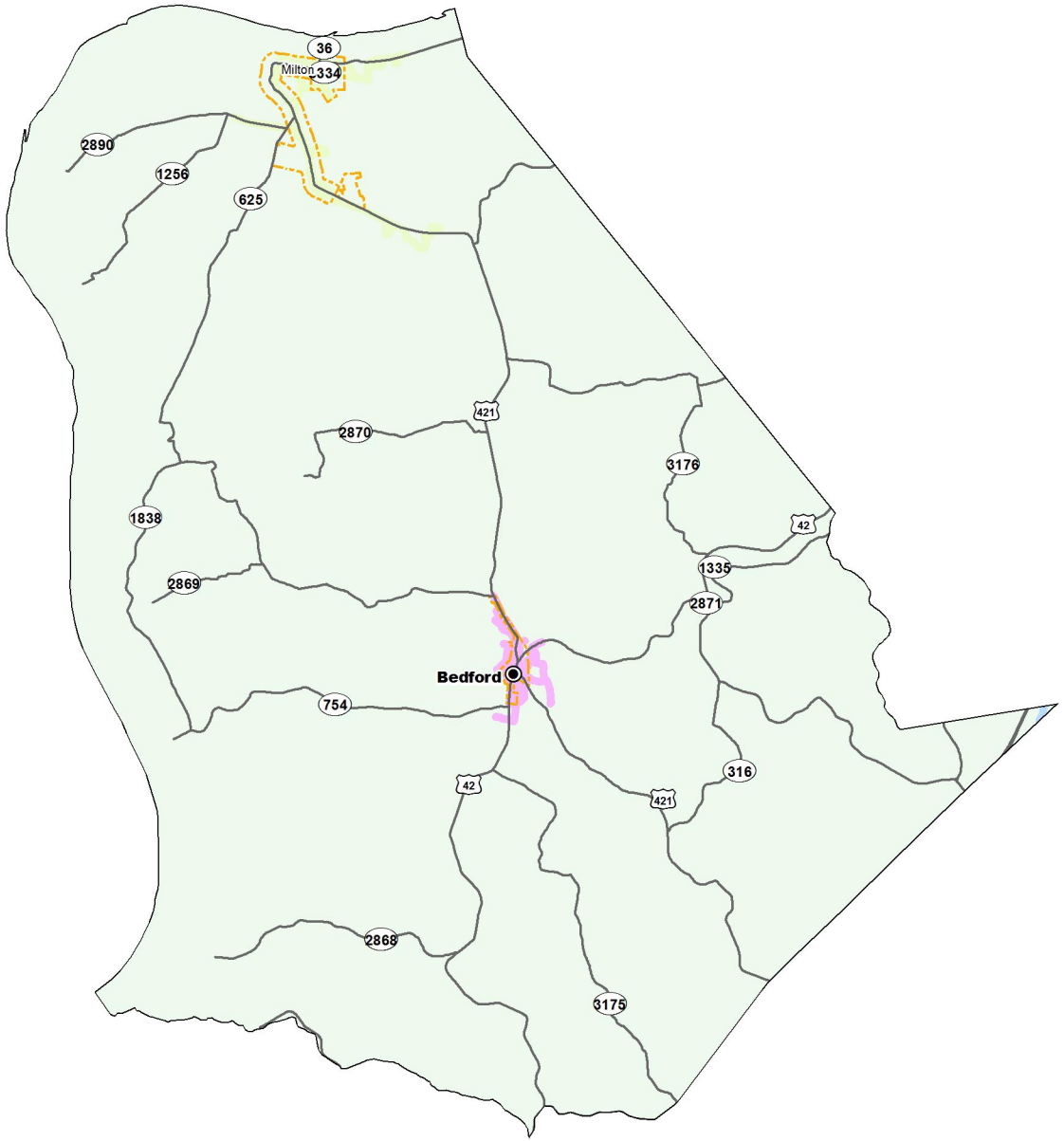
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
TRIMBLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	$42.70	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 = 9.30 miles (Collection: 9.17 miles, Interceptors: 0.13 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	6	1
SX21223008	Pump Station Rehabilitation	3-5 Years	Not Funded	$125,000	Trimble	13	3
SX21223010	Collection System Improvements & I/I Mitigation	6-10 Years	Not Funded	$370,000	Trimble	18	5

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	16
Industrial Customers	-	Percent Lines 20 yrs or Older	5%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.69 miles (Collection: 16.44 miles, Interceptors: 0.25 miles).			

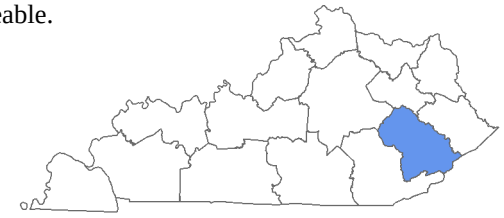
MG = Million Gallons.
MGD = Million Gallons per Day.

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	10	2
SX21223012	City of Milton Main Trunk Sewers Cleaning, Televising and Repair	6-10 Years	Not Funded	$625,000	Trimble	16	4

Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 23% serviceable.
- Projected 2020 population of 111,267 (change of -3,495).
- 279.87 miles of existing sewer lines.
- 130.00 miles of line extensions proposed in the next 10 years.
- 19.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $77,398,361.
- Estimated funding needs for projects from 6 to 10 years: $7,372,000.
- Average age of wastewater treatment plants is 23 years.
- Total number of interconnected systems is 1.
- 109 miles of sewer lines less than 15 years old.
- 51 miles of sewer lines between 15 and 30 years old.
- 84 miles of sewer lines between 31 and 50 years old.
- 24 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 23 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,685 serviceable households will be added through the construction of 130.00 miles of sewer line extensions and approximately 15,213 instances of improved service through the rehabilitation of 19.00 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	1,476	24%	$ 6,038,350
Knott	16,346	7,461	15,635	6,332	891	12%	$ 15,112,980
Lee	7,887	3,436	7,820	3,014	973	28%	$ 8,575,000
Leslie	11,310	5,278	10,603	4,377	723	14%	$ 6,535,633
Letcher	24,519	11,601	24,237	10,161	3,325	29%	$ 17,391,582
Owsley	4,755	2,328	4,704	1,971	411	18%	$ 5,271,364
Perry	28,712	12,791	28,137	11,637	3,850	30%	$ 25,845,452
Wolfe	7,355	3,660	7,636	3,285	365	10%	-
Totals	**114,762**	**52,786**	**111,267**	**45,823**	**12,014**	**23%**	**$ 84,770,361**

Water Resource Information System

Kentucky Infrastructure Authority

February 19, 2016

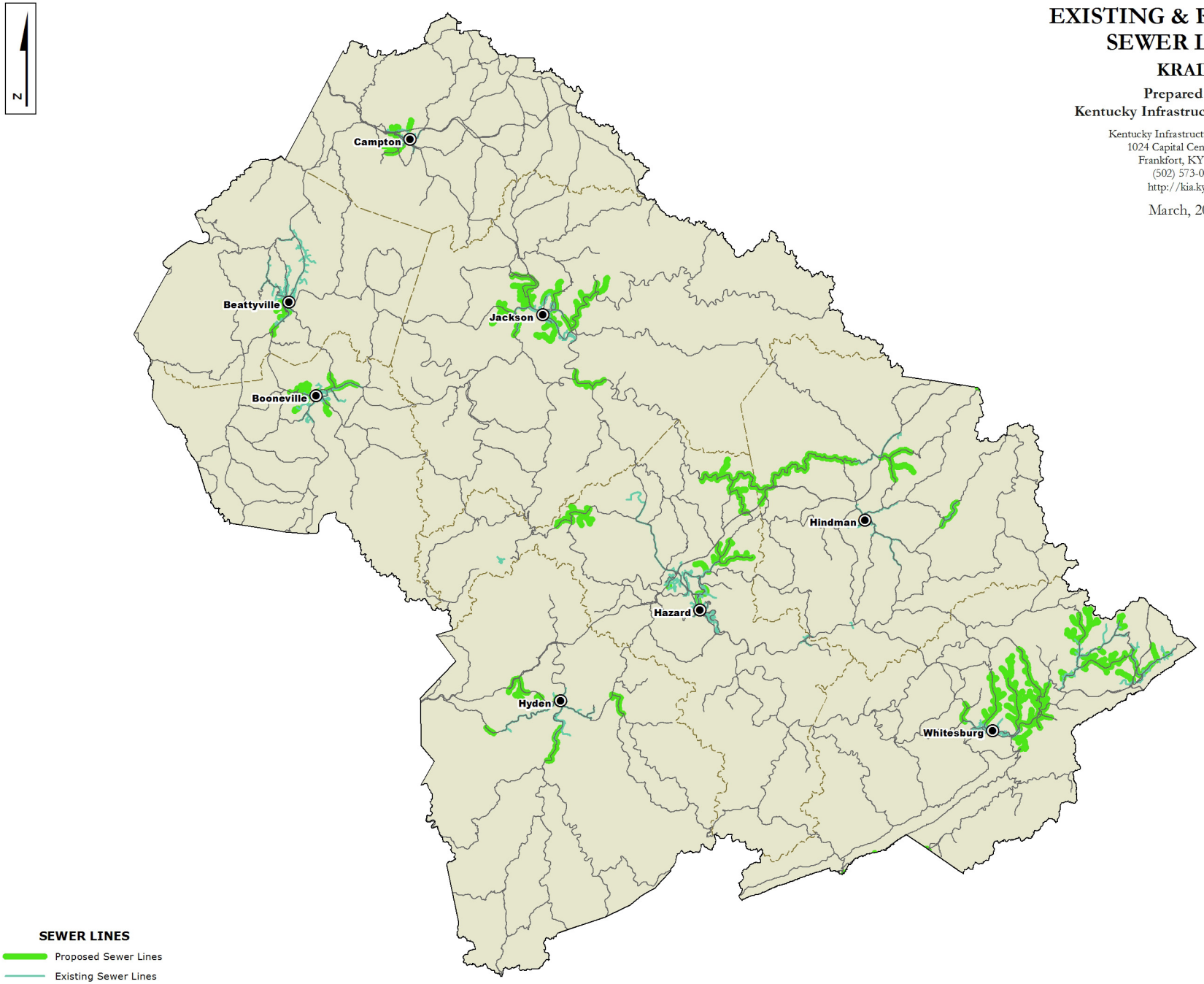
EXISTING & PROPOSED SEWER LINES

KRADD

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

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	207	90
KY0027685	Hindman Wastewater	Knott	1,301	618
KY0042854	Knott County Water and Sewer District	Knott	564	111
KY0107956	Troublesome Creek Environmental Authority (Ball Creek)	Knott	267	123
KY0021121	Beattyville Wastewater	Lee	2,649	973
KY0021245	Hyden Wastewater Department	Leslie	1,572	723
KY0027405	Fleming-Neon Wastewater	Letcher	2,608	1,297
KY0038571	Jenkins Wastewater	Letcher	1,878	897
KY0103217	Letcher County Water & Sewer District - Millstone	Letcher	92	39
KY0106283	Whitesburg Wastewater	Letcher	2,355	1,092
KY0033774	Booneville Water and Sewer	Owsley	870	411
KY0020079	Hazard Wastewater	Perry	6,840	3,180
KYP000034	Perry County Sanitation District #1	Perry	961	440
KY0060259	Perry County Water & Sewer	Perry	427	191
KY0104728	Campton Wastewater Department	Wolfe	712	365
		Totals:	26,381	12,006

Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21131003	Hyden - Town Rehab Phase III	0-2 Years	Partially Funded	$565,633	Leslie	1	1
SX21133014	Millstone Alternative Treatment System Improvements	0-2 Years	Over Funded	$24,500	Letcher	2	1
SX21119811	TEA - Ball Creek Wastewater Lines Phase II	0-2 Years	Partially Funded	$2,684,850	Knott	3	1
SX21189005	Booneville I/I Replacement Project	3-5 Years	Not Funded	$1,526,000	Owsley	4	1
SX21237004	Campton Sewer Rehab Project	3-5 Years	Over Funded	$248,973	Wolfe	5	1
SX21025007	Medical Plaza Sewer Extension	3-5 Years	Not Funded	$284,700	Breathitt	6	1
SX21129003	West Beattyville Sewer Pump Station Project	0-2 Years	Not Funded	$575,000	Lee	7	1
SX21193008	PCSD#1 - Chavies Wastewater Collection System - Phase 1	0-2 Years	Partially Funded	$678,000	Perry	8	1
SX21193009	PCSD#1 - Chavies Wastewater Collection System - Phase 2	0-2 Years	Not Funded	$559,030	Perry	9	2
SX21129007	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	$6,000,000	Lee	10	2
SX21025008	Lift Station Rehabilitation Project Phase II	3-5 Years	Not Funded	$1,173,000	Breathitt	11	2
SX21189002	Booneville Pump Station Rehab	3-5 Years	Not Funded	$291,864	Owsley	12	2
SX21119012	Pippa Passes New WWTP and Sewer Line Rehabilitation Project	3-5 Years	Not Funded	$3,257,400	Knott	13	2
SX21133644	Jenkins Dairy Hollow Sewer Extension	3-5 Years	Not Funded	$250,000	Letcher	14	2
SX21131004	Hyden - Sanitary Sewer Extensions Phase III	3-5 Years	Not Funded	$1,270,000	Leslie	15	2
			Total Cost:	**$19,388,950**			

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 28.71 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: $6,038,350.
- 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 57 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 1,294 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	2	$1,457,700	2	1,294	1.00	-	-
Troublesome Creek Environmental Authority	1	$4,580,650	55	-	3.00	-	-
Totals:	**3**	**$6,038,350**	**57**	**1,294**	**4.00**	**-**	**-**

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	52	20
		Totals:	3,130	1,476

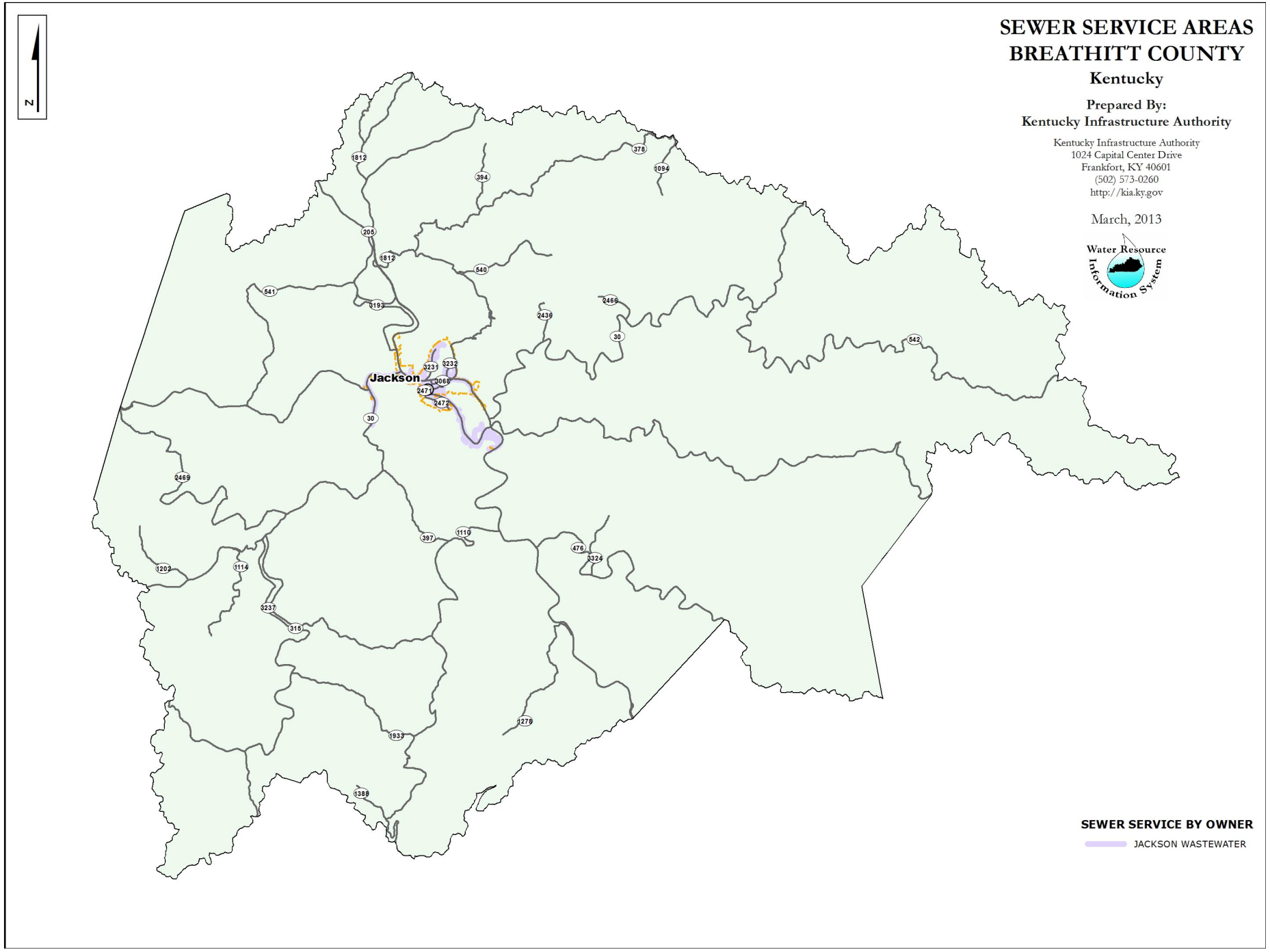
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BREATHITT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Jackson Wastewater

Permit ID	KY0021288	Treats Wastewater	Yes, 0.75 MGD with 0.28 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,281
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.68	Total KISOP Treated (MG)	-
Residential Customers	1,281	Total Treated (MG)	144.352
Commercial Customers	92	Number of Manholes	489
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 = 27.60 miles (Collection: 27.06 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	Medical Plaza Sewer Extension	3-5 Years	Not Funded	$284,700	Breathitt	6	1
SX21025008	Lift Station Rehabilitation Project Phase II	3-5 Years	Not Funded	$1,173,000	Breathitt	11	2

System Summary for Perry County Sanitation District #1

Permit ID	KY0107786	Treats Wastewater	Yes, 0.11 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$39.00	Total KISOP Treated (MG)	-
Residential Customers	78	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	Yes, 3% Constructed

Total Collection System Line Length = 4.26 miles (Collection: 4.26 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
SX21193008	PCSD#1 - Chavies Wastewater Collection System - Phase 1	0-2 Years	Partially Funded	$678,000	Perry	8	1
SX21193009	PCSD#1 - Chavies Wastewater Collection System - Phase 2	0-2 Years	Not Funded	$559,030	Perry	9	2
SX21193010	PCSD#1 - Chavies Wastewater Collection System - Phase 3	3-5 Years	Not Funded	$664,997	Perry		6
SX21193011	PCSD#1 - Chavies Wastewater Collection System - Phase 4	3-5 Years	Not Funded	$324,000	Perry		7
SX21193012	HWY 28 Force Main Project	3-5 Years	Not Funded	$1,941,000	Perry		8
SX21193013	Wendell H. Ford Airport Subdivisions Sewer System	3-5 Years	Not Funded	$2,620,000	Perry		9

Knott County

- 2010 census population of 16,346 (7,461 households) with 12% serviceable.
- Projected 2020 population of 15,635 (change of -711).
- Knott County has 22.94 miles of existing sewer lines.
- 30.00 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: $15,112,980.
- 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 12 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 30.00 miles of sewer line extensions and approximately 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			
Knott County Water & Sewer District	1	$3,257,400	-	149	-	2.00	-
Troublesome Creek Environmental Authority	4	$11,855,580	600	-	30.00	-	-
Totals:	**5**	**$15,112,980**	**600**	**149**	**30.00**	**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	1,301	618
KY0042854	Knott County Water and Sewer District	Knott	564	111
KY0107956	Troublesome Creek Environmental Authority (Ball Creek)	Knott	267	123
KY0060259	Perry County Water & Sewer	Perry	82	36
		Totals:	2,214	888

Kentucky Infrastructure Authority
February 19, 2016

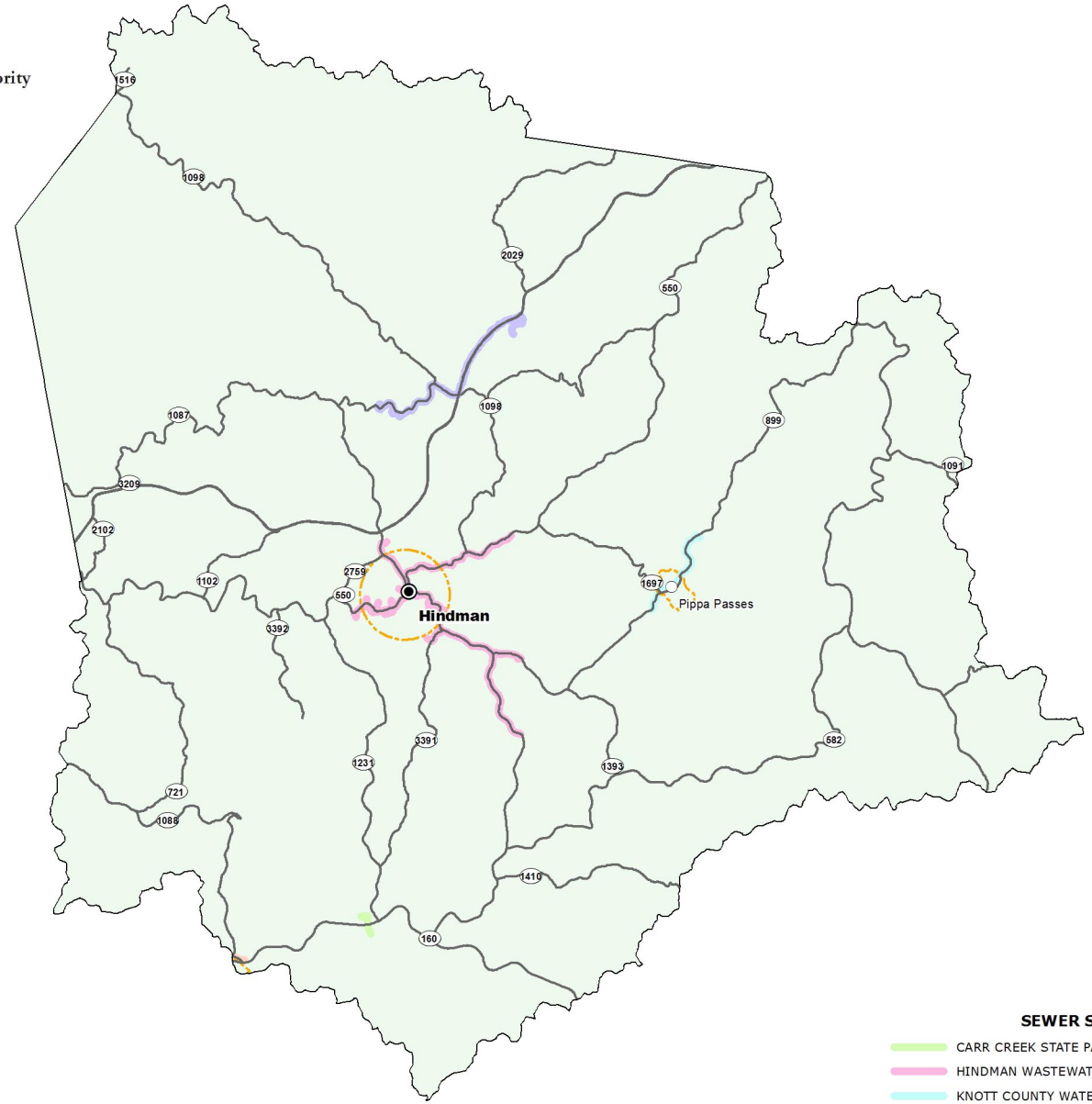
SEWER SERVICE AREAS
KNOTT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	80
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 = 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 Hindman Wastewater

System Summary for Knott County Water and Sewer District

Permit ID	KY0042854	Treats Wastewater	Yes, 0.1 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	150
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$22.56	Total KISOP Treated (MG)	-
Residential Customers	149	Total Treated (MG)	41.612
Commercial Customers	1	Number of Manholes	35
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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21119811	TEA - Ball Creek Wastewater Lines Phase II	0-2 Years	Partially Funded	$2,684,850	Knott	3	1
SX21119012	Pippa Passes New WWTP and Sewer Line Rehabilitation Project	3-5 Years	Not Funded	$3,257,400	Knott	13	2

System Summary for Troublesome Creek Environmental Authority (Ball Creek)

Permit ID	KY0107956	Treats Wastewater	Yes, 0.1 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	52
Owner Type	Governmental Non-Profit Sewer Utility	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.00	Total KISOP Treated (MG)	-
Residential Customers	52	Total Treated (MG)	0.029
Commercial Customers	1	Number of Manholes	25
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).

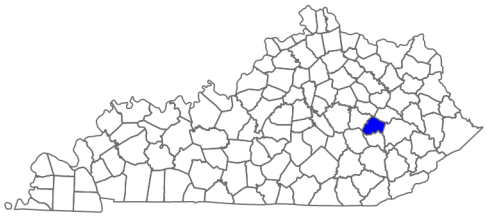
MG = Million Gallons.
MGD = Million Gallons per Day.

Project Summary (Top 18 Approved, 0-5 years) for Troublesome Creek Environmental Authority (Ball Creek)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21119811	TEA - Ball Creek Wastewater Lines Phase II	0-2 Years	Partially Funded	$2,684,850	Knott	3	1
SX21025030	TEA - Breathitt County WWTP and Collection Lines Phase I	3-5 Years	Partially Funded	$4,580,650	Breathitt		3
SX21119007	Talcum Wastewater Line Extension	3-5 Years	Not Funded	$3,937,260	Knott		3
SX21119009	Possum Trot Wastewater Line Extension	3-5 Years	Not Funded	$2,640,010	Knott		4
SX21193007	Homeplace Clinic Wastewater Line Extension	3-5 Years	Not Funded	$2,593,460	Perry		4
SX21193051	TEA - Perry County Sewer Project Phase I	3-5 Years	Partially Funded	$4,689,780	Perry		12

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 37.57 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: $8,575,000.
- 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 180 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 1,590 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	3	$8,575,000	180	1,590	4.00	-	-
Totals:	**3**	**$8,575,000**	**180**	**1,590**	**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

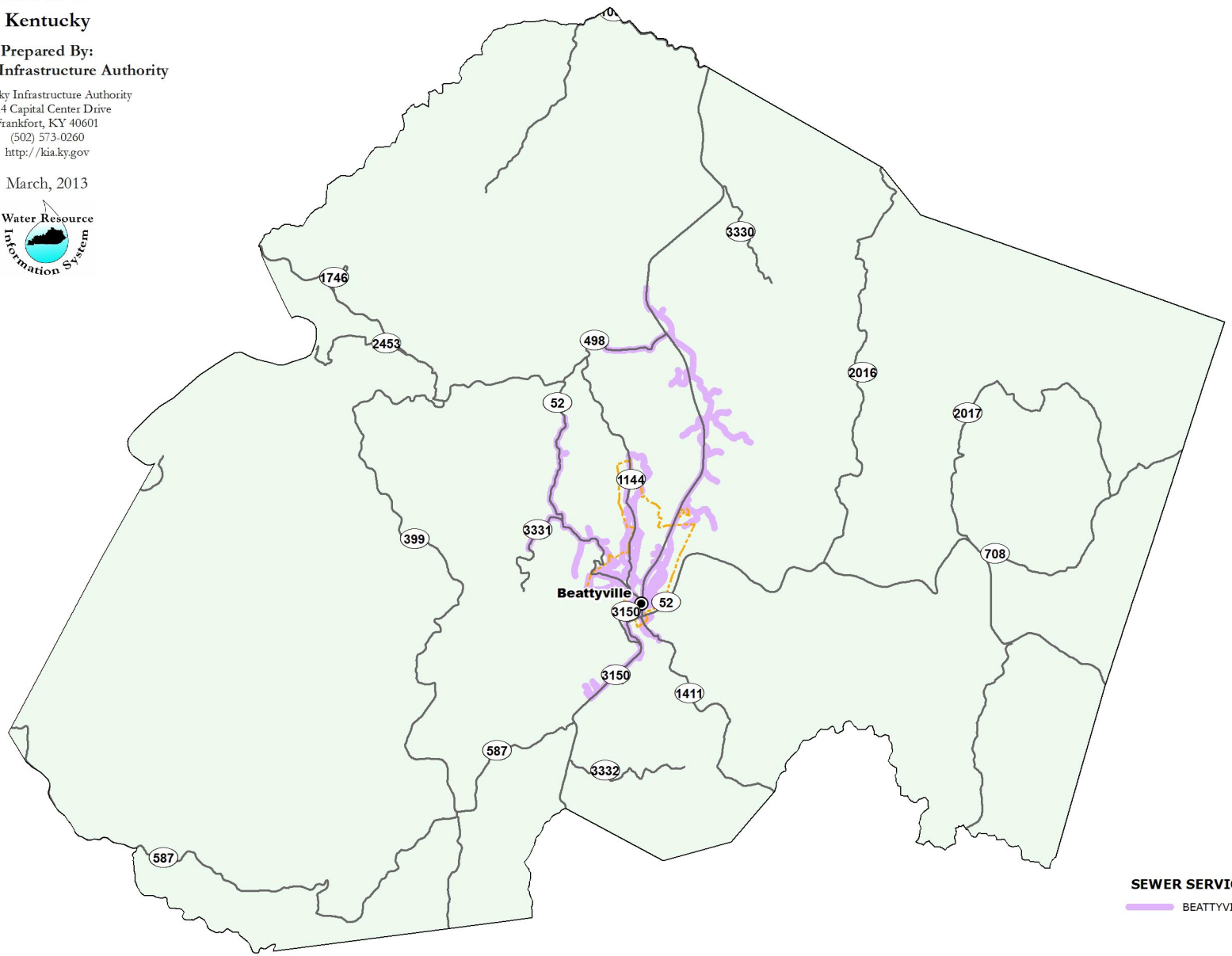
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LEE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	942
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$33.94	Total KISOP Treated (MG)	-
Residential Customers	790	Total Treated (MG)	90.440
Commercial Customers	110	Number of Manholes	217
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 = 37.52 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
SX21129003	West Beattyville Sewer Pump Station Project	0-2 Years	Not Funded	$575,000	Lee	7	1
SX21129007	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	$6,000,000	Lee	10	2
SX21129005	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	$2,000,000	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 24.34 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	1,572	723
		Totals:	1,572	723

Kentucky Infrastructure Authority
February 19, 2016

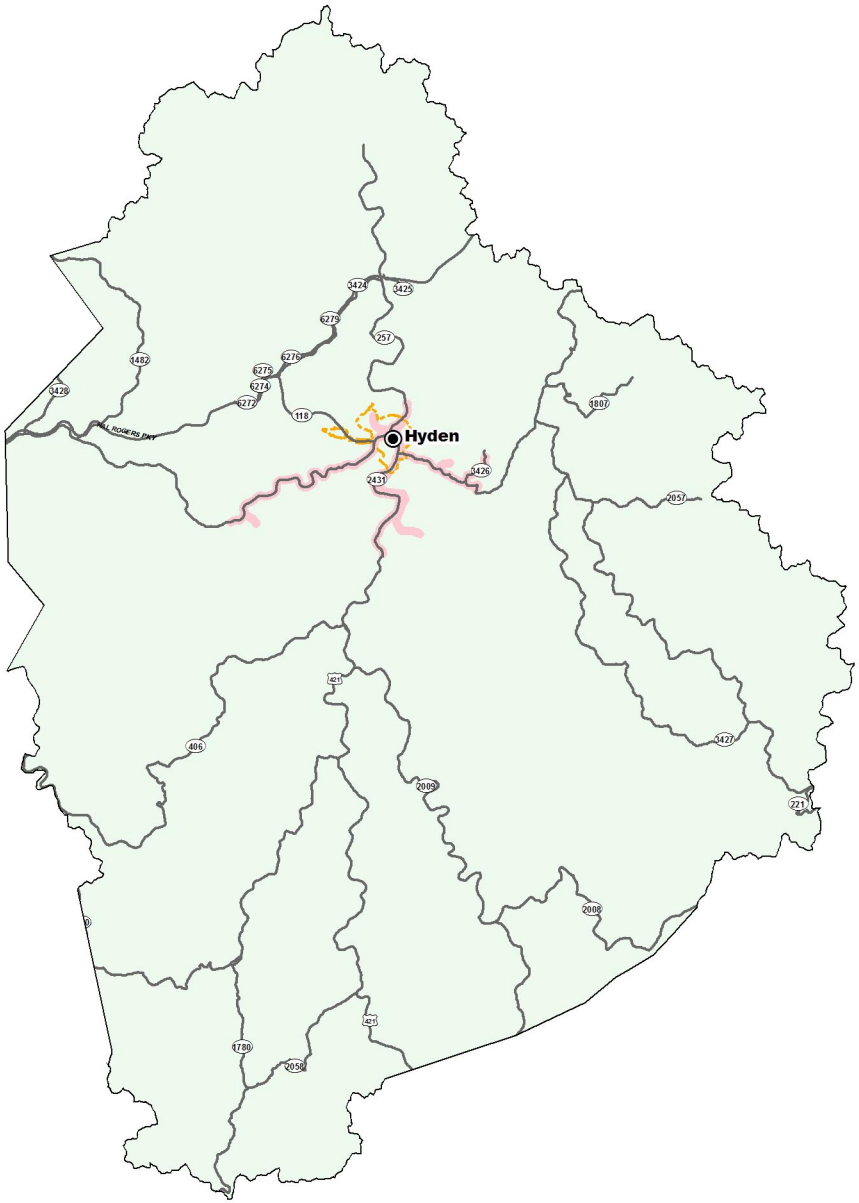
SEWER SERVICE AREAS
LESLIE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



SEWER SERVICE BY OWNER

HYDEN WASTEWATER DEPARTMENT

System Summary for Hyden Wastewater Department

Permit ID	KY0021245	Treats Wastewater	Yes, 0.2 MGD with 0.075 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	556
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	430	Total Treated (MG)	26.160
Commercial Customers	126	Number of Manholes	33
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 = 24.28 miles (Collection: 24.23 miles, Interceptors: 0.04 miles).			

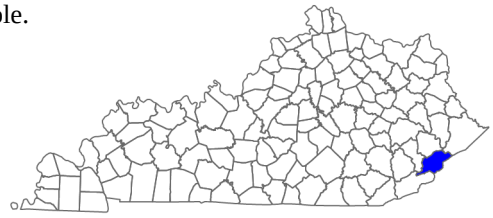
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21131003	Hyden - Town Rehab Phase III	0-2 Years	Partially Funded	$565,633	Leslie	1	1
SX21131004	Hyden - Sanitary Sewer Extensions Phase III	3-5 Years	Not Funded	$1,270,000	Leslie	15	2
SX21131002	Hyden - Wastewater Expansion Phase II	3-5 Years	Not Funded	$500,000	Leslie		3
SX21131211	Hyden - Wooton Sewer Plant Project	6-10 Years	Not Funded	$4,200,000	Leslie		4

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 59.10 miles of existing sewer lines.
- 39.00 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: $14,219,582.
- 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 571 serviceable households will be added through the construction of 39.00 miles of sewer line extensions and approximately 2,873 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	$5,934,782	-	1,988	-	14.00	-
City of Jenkins	4	$4,185,000	88	885	3.00	-	-
City of Whitesburg	3	$6,172,000	425	-	31.00	-	-
Letcher County Fiscal Court	1	$1,099,800	58	-	5.00	-	-
Totals:	**10**	**$17,391,582**	**571**	**2,873**	**39.00**	**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	1,878	897
KY0103217	Letcher County Water & Sewer District - Millstone	Letcher	92	39
KY0106283	Whitesburg Wastewater	Letcher	2,355	1,092
		Totals:	6,933	3,325

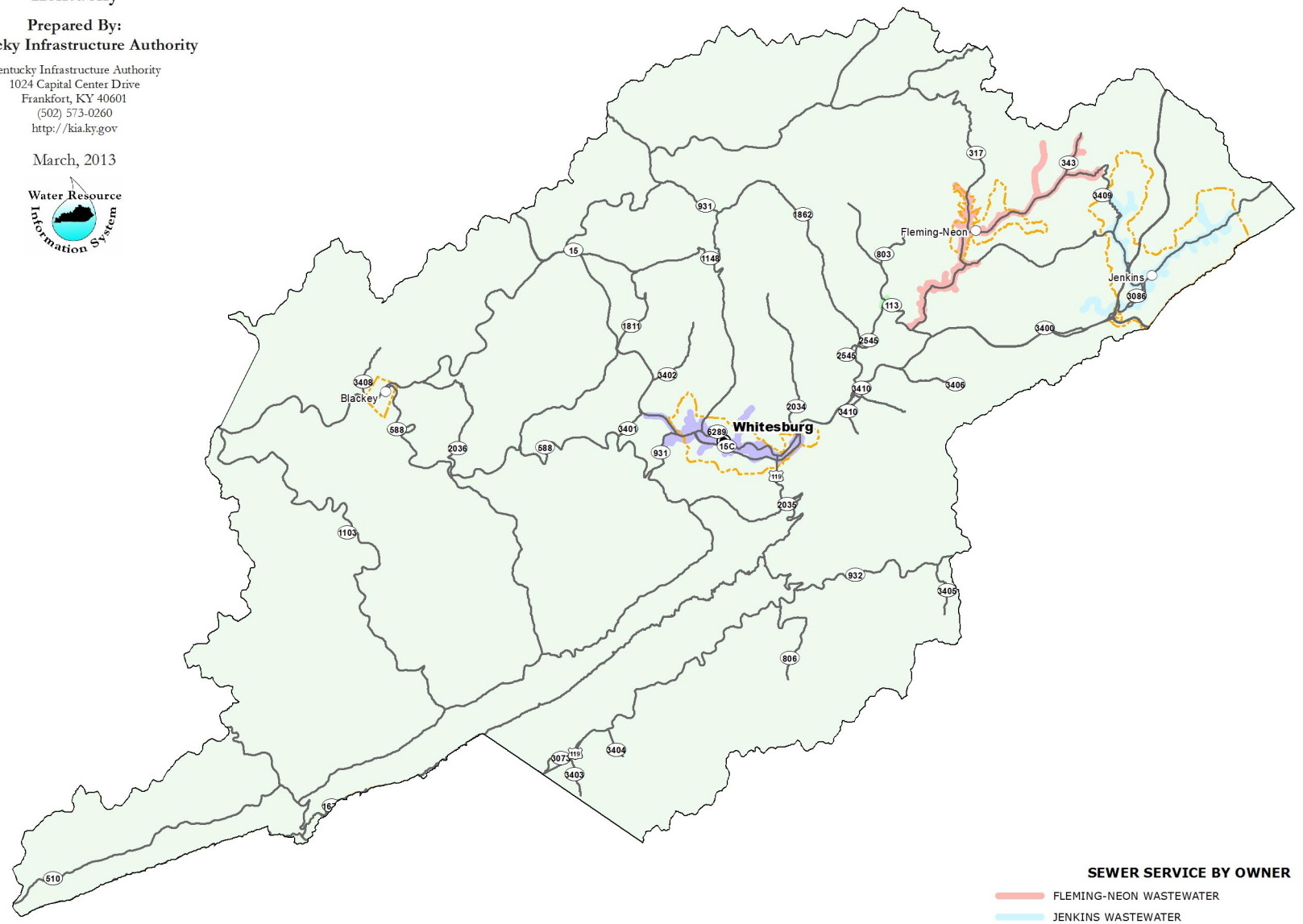
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LETCHER COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	831
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$23.75	Total KISOP Treated (MG)	-
Residential Customers	788	Total Treated (MG)	69.105
Commercial Customers	43	Number of Manholes	400
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 = 26.11 miles (Collection: 25.86 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		8
SX21133015	Fleming-Neon Sewer Rehabilitation Project	3-5 Years	Not Funded	$998,782	Letcher		9

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	768
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$32.56	Total KISOP Treated (MG)	-
Residential Customers	701	Total Treated (MG)	164.250
Commercial Customers	52	Number of Manholes	200
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 = 15.72 miles (Collection: 15.54 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
SX21133644	Jenkins Dairy Hollow Sewer Extension	3-5 Years	Not Funded	$250,000	Letcher	14	2
SX21133020	Jenkins - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	$1,200,000	Letcher		5
SX21133050	Jenkins - Joes Branch Sewer Line Extension	3-5 Years	Not Funded	$1,235,000	Letcher		7
SX21133885	Jenkins Various Sewer Extensions Project	3-5 Years	Not Funded	$1,500,000	Letcher		10

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	4
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.

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
SX21133009	Crafts Colley Sanitary Sewer Project - Phase 1	0-2 Years	Partially Funded	$1,099,800	Letcher		

System Summary for Whitesburg Wastewater

Permit ID	KY0106283	Treats Wastewater	Yes, 0.6 MGD with 0.232 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	$29.81	Total KISOP Treated (MG)	-
Residential Customers	553	Total Treated (MG)	84.501
Commercial Customers	147	Number of Manholes	100
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 = 16.84 miles (Collection: 16.37 miles, Interceptors: 0.47 miles).			

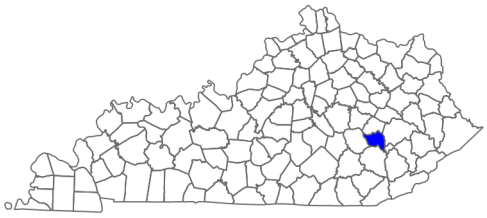
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21133008	Whitesburg - Mayking Area Sewer Extensions Phase I	3-5 Years	Not Funded	$3,000,000	Letcher		3
SX21133009	Crafts Colley Sanitary Sewer Project - Phase 1	0-2 Years	Partially Funded	$1,099,800	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 22.87 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	870	411
		Totals:	870	411

Kentucky Infrastructure Authority
February 19, 2016

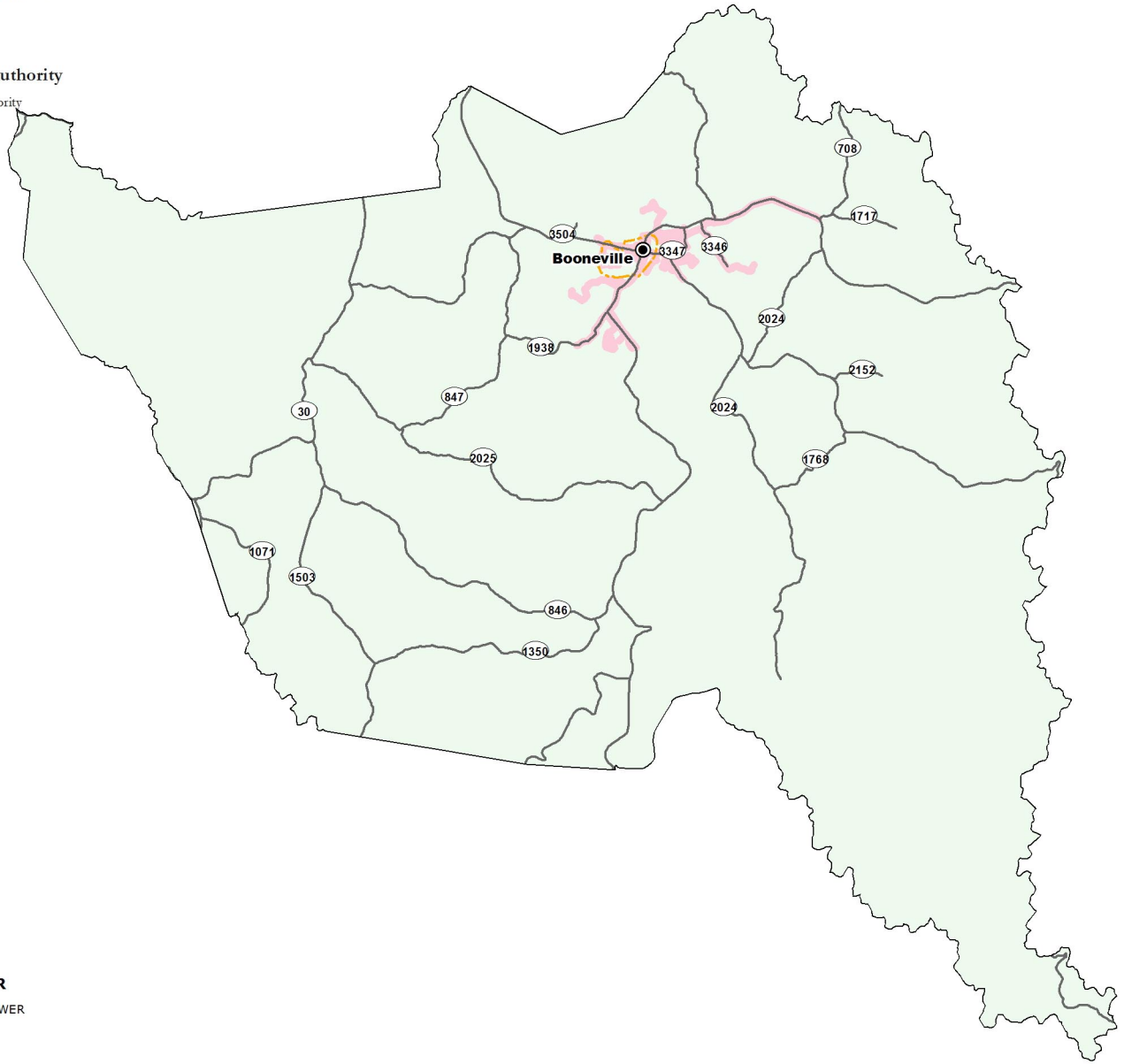
SEWER SERVICE AREAS
OWSLEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	282
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$28.80	Total KISOP Treated (MG)	-
Residential Customers	282	Total Treated (MG)	80.400
Commercial Customers	-	Number of Manholes	200
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 = 22.80 miles (Collection: 19.73 miles, Interceptors: 3.06 miles).			

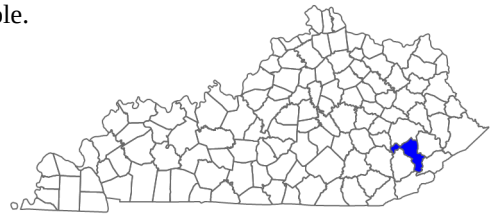
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21189005	Booneville I/I Replacement Project	3-5 Years	Not Funded	$1,526,000	Owsley	4	1
SX21189002	Booneville Pump Station Rehab	3-5 Years	Not Funded	$291,864	Owsley	12	2
SX21189600	Booneville Hwy 1411 Sewer Extension	3-5 Years	Not Funded	$602,600	Owsley		4
SX21189430	Booneville - Chestnut Gap Sewer Extension	3-5 Years	Not Funded	$611,000	Owsley		5
SX21189003	Booneville - Highway 11 Sewer Extensions	3-5 Years	Not Funded	$2,239,900	Owsley		6

Perry County

- 2010 census population of 28,712 (12,791 households) with 30% serviceable.
- Projected 2020 population of 28,137 (change of -575).
- Perry County has 73.41 miles of existing sewer lines.
- 36.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $25,845,452.
- 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 30 percent of the county's households based on 2010 census counts. Over the next ten years approximately 907 serviceable households will be added through the construction of 36.00 miles of sewer line extensions and approximately 8,626 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 Hazard	4	$9,091,920	241	8,489	8.00	2.00	-
City of Vicco	1	$2,683,265	-	137	-	-	-
Perry County Sanitation District	6	$6,787,027	351	-	15.00	-	-
Troublesome Creek Environmental Authority	2	$7,283,240	315	-	13.00	-	-
Totals:	**13**	**$25,845,452**	**907**	**8,626**	**36.00**	**2.00**	**-**

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	6,840	3,180
KYP000034	Perry County Sanitation District #1	Perry	961	440
KY0060259	Perry County Water & Sewer	Perry	345	155
KY0107786	Perry County Sanitation District #1	Breathitt	155	70
		Totals:	8,301	3,845

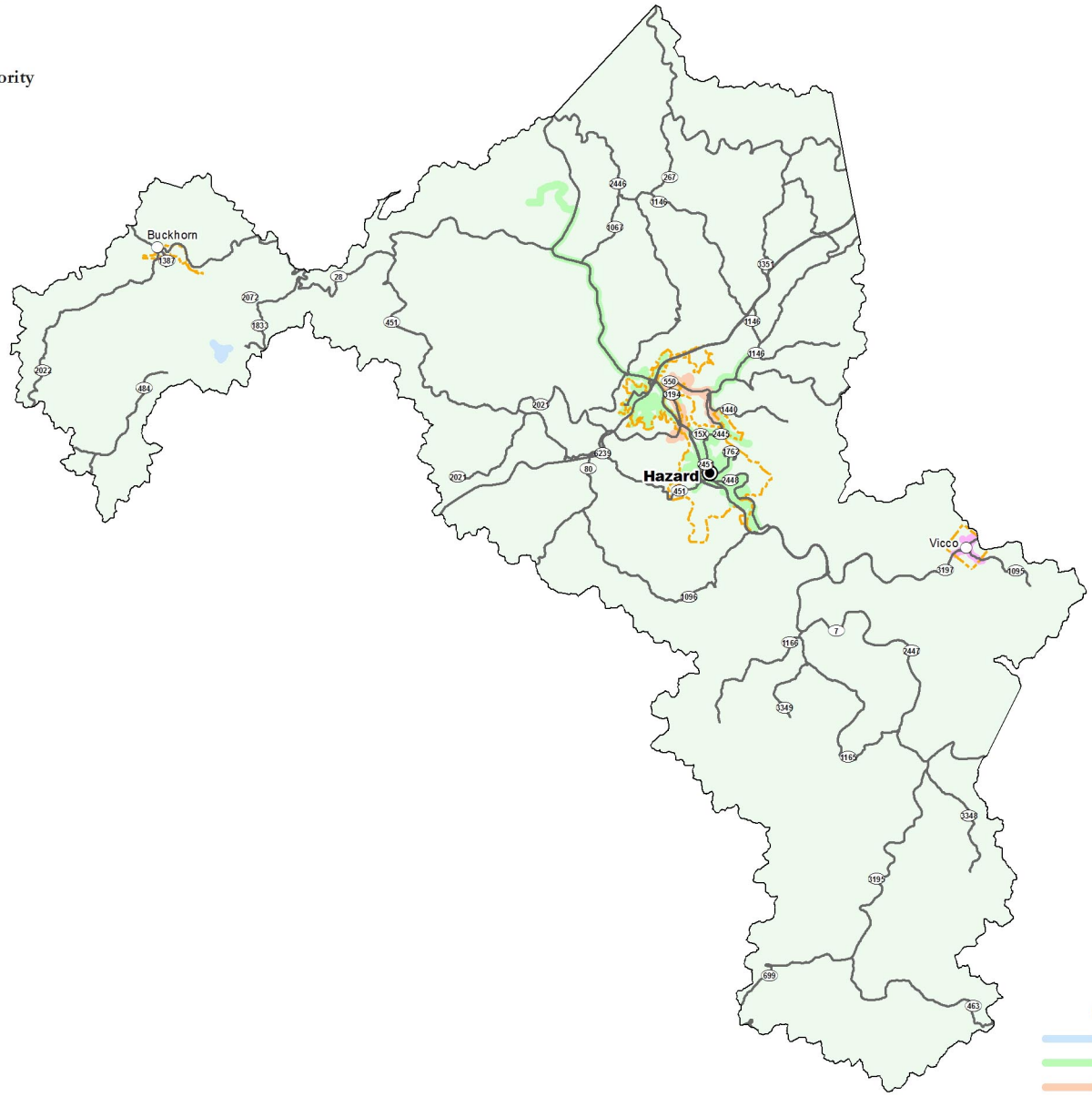
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
PERRY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	$14.24	Total KISOP Treated (MG)	25.520
Residential Customers	2,367	Total Treated (MG)	632.420
Commercial Customers	125	Number of Manholes	450
Institutional Customers	7	Number of Lift Stations	24
Industrial Customers	1	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 56.49 miles (Collection: 55.65 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
SX21193003	Hazard Sanitary Trunk Rehabilitation	0-2 Years	Partially Funded	$1,300,000	Perry		5
SX21193013	Wendell H. Ford Airport Subdivisions Sewer System	3-5 Years	Not Funded	$2,620,000	Perry		9
SX21193015	Hazard Wastewater Treatment Plant Phase II	3-5 Years	Not Funded	$773,460	Perry		10
SX21193004	Hazard WWTP Renovations	0-2 Years	Not Funded	$50,000	Perry		11
SX21193016	Upper Second Creek Sanitary Sewer	3-5 Years	Not Funded	$6,968,460	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)	25.520
Cost Per 4000 Gallons	$39.00	Total KISOP Treated (MG)	-
Residential Customers	485	Total Treated (MG)	-
Commercial Customers	58	Number of Manholes	130
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 = 9.12 miles (Collection: 8.40 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		10

System Summary for Perry County Water & Sewer

Permit ID	KY0060259	Treats Wastewater	Yes, 0.1 MGD with 0.076 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	132
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	122	Total Treated (MG)	5.340
Commercial Customers	10	Number of Manholes	31
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 = 3.12 miles (Collection: 3.12 miles, Interceptors: 0.00 miles).			

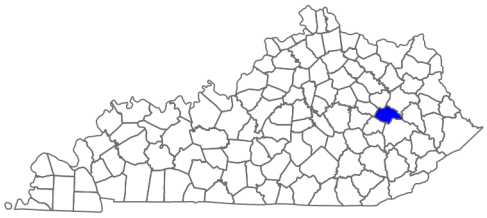
MG = Million Gallons.
MGD = Million Gallons per Day.

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		3

Wolfe County

- 2010 census population of 7,355 (3,660 households) with 10% serviceable.
- Projected 2020 population of 7,636 (change of 281).
- Wolfe County has 10.93 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.



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 10 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 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	712	365
		Totals:	712	365

Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
WOLFE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System

SEWER SERVICE BY OWNER

CAMPTON WASTEWATER DEPARTMENT

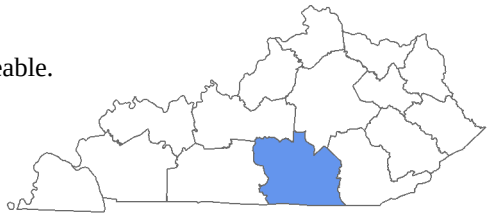
System Summary for Campton Wastewater Department

Permit ID	KY0104728	Treats Wastewater	Yes, 0.32 MGD with 0.213 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	255
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	157	Total Treated (MG)	77.769
Commercial Customers	72	Number of Manholes	180
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 10.88 miles (Collection: 10.08 miles, Interceptors: 0.80 miles).			

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

There are no immediate projects for Campton Wastewater Department

Lake Cumberland Area Development District (LCADD)

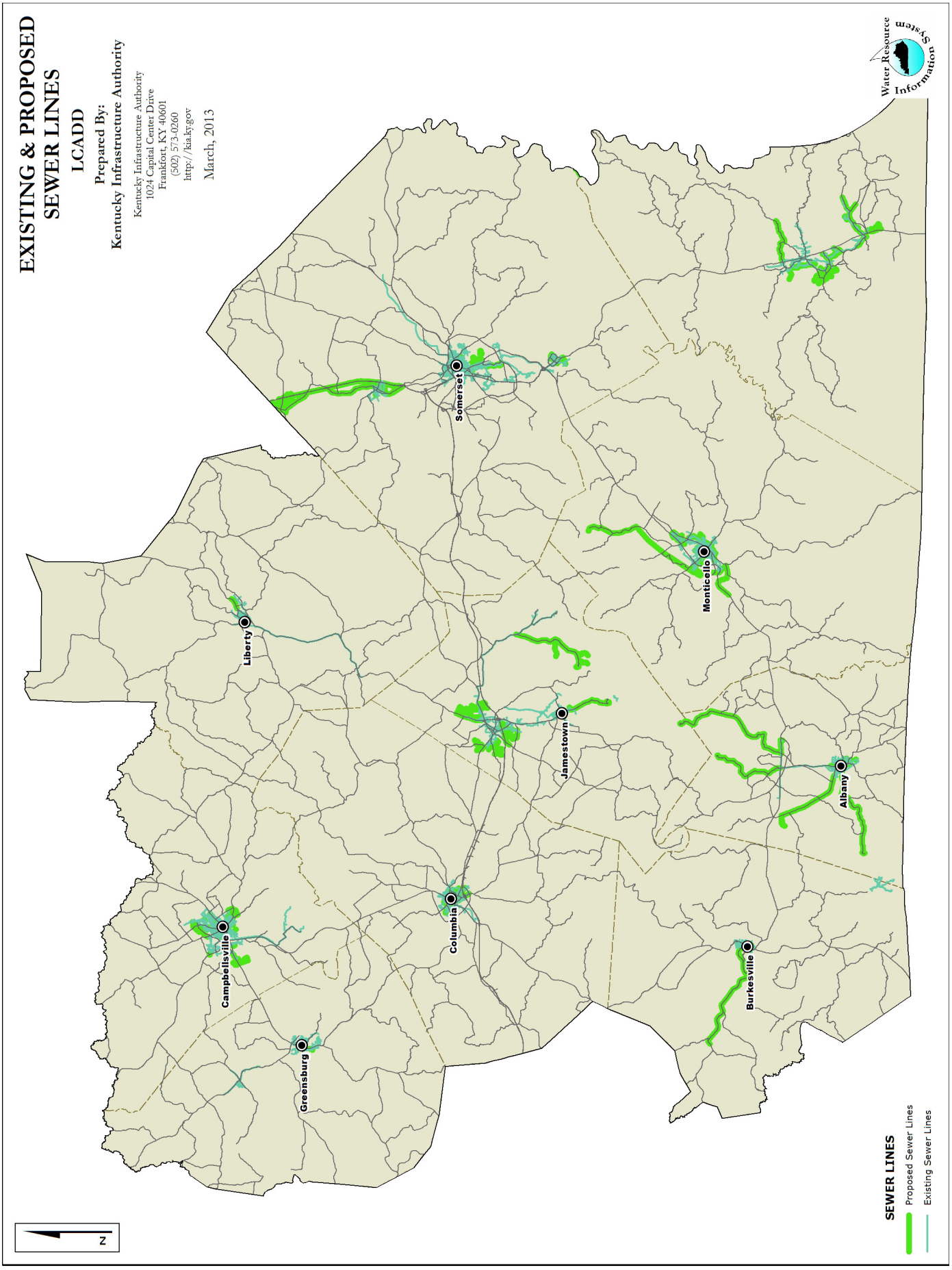


- 2010 census population of 207,256 (101,129 households) with 27% serviceable.
- Projected 2020 population of 221,481 (change of 14,225).
- 551.53 miles of existing sewer lines.
- 159.00 miles of line extensions proposed in the next 10 years.
- 27.00 miles of line rehabilitation proposed in the next 10 years.
- 27.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $85,631,471.
- Estimated funding needs for projects from 6 to 10 years: $7,691,680.
- Average age of wastewater treatment plants is 24 years.
- Total number of interconnected systems is 3.
- 132 miles of sewer lines less than 15 years old.
- 119 miles of sewer lines between 15 and 30 years old.
- 182 miles of sewer lines between 31 and 50 years old.
- 37 miles of sewer lines between 51 and 70 years old.
- 81 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 27 percent of the district's households based on 2010 census counts. Over the next ten years approximately 4,122 serviceable households will be added through the construction of 159.00 miles of sewer line extensions and approximately 1,396 instances of improved service through the rehabilitation of 27.00 miles of existing sewer lines and other appurtenances. 27.00 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%	$ 9,287,500
Casey	15,955	7,487	16,433	6,791	1,055	14%	$ 553,000
Clinton	10,272	5,311	10,896	4,755	1,297	24%	$ 10,096,000
Cumberland	6,856	3,690	6,649	2,840	825	22%	$ 2,000,000
Green	11,258	5,324	11,112	4,660	1,460	27%	$ 1,290,000
McCreary	18,306	7,507	18,314	6,819	1,927	26%	$ 9,193,985
Pulaski	63,063	31,443	71,036	29,901	7,477	24%	$ 15,411,000
Russell	17,565	9,993	18,782	8,112	3,020	30%	$ 7,146,566
Taylor	24,512	10,864	26,079	10,663	5,189	48%	$ 7,476,100
Wayne	20,813	10,942	22,128	9,686	2,924	27%	$ 30,869,000
Totals	**207,256**	**101,129**	**221,481**	**92,378**	**27,145**	**27%**	**$ 93,323,151**


EXISTING & PROPOSED
SEWER LINES
LCADD
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
Somerset
Monticello
Liberty
Jamestown
Albany
Columbia
Campbellsville
Burkesville
Greensburg
N
SEWER LINES
Proposed Sewer Lines
Existing Sewer Lines

Public Sewer Systems in the Lake Cumberland Area Development District

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

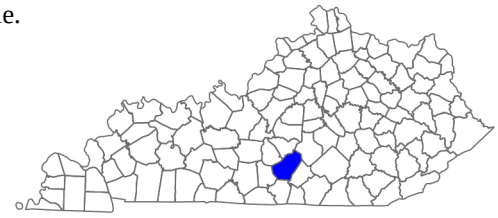
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024317	Columbia/Adair Utilities District	Adair	4,652	1,971
KY0026352	Liberty Water & Gas	Casey	2,050	1,055
KY0024295	Albany Municipal Water & Sewer	Clinton	2,499	1,297
KY0036854	Burkesville Wastewater	Cumberland	1,499	780
KY0023841	Greensburg Sewer Department	Green	2,359	1,179
KY0096881	Sanitation District #1 of Green County	Green	622	281
KY0097837	McCreary County Water District	McCreary	4,276	1,927
KYP000069	Burnside Municipal Water Works	Pulaski	615	344
KY0094447	Science Hill Sewer	Pulaski	1,140	496
KY0026611	Somerset Utilities	Pulaski	12,914	6,236
02006100	Villas At Woodson Bend	Pulaski	172	401
KY0062995	Jamestown Utilities	Russell	1,905	921
KYP000057	Russell Springs Sewer & Water Works	Russell	3,790	2,097
KY0054437	Campbellsville Municipal Water & Sewer System	Taylor	11,561	5,189
KY0033847	Monticello Utility Commission	Wayne	6,252	2,924
		Totals:	56,306	27,098

Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21217005	Trace Fork Interceptor Sewer System Improvements - Phase I	3-5 Years	Not Funded	$1,250,000	Taylor	1	1
SX21231017	Sanitary Sewer Improvements - Phase 1 and Carter Road	3-5 Years	Not Funded	$3,575,000	Wayne	2	1
SX21207012	Russell Springs-KY 1611 Pressure Sewer Extension	3-5 Years	Not Funded	$1,475,000	Russell	3	1
SX21231009	Sanitary Sewer Extensions - KY 90 East/Eastview Subdivision/Fran	3-5 Years	Not Funded	$5,708,000	Wayne	4	2
SX21231008	Sanitary Sewer Extension - Bell Subdivision	3-5 Years	Not Funded	$2,690,000	Wayne	5	3
			Total Cost:	**$14,698,000**			

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.
- 3.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $9,287,500.
- 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 31 serviceable households will be added through the construction of 3.00 miles of sewer line extensions and approximately 841 instances of improved service through the rehabilitation of 13.00 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 Fiscal Court	1	$321,000	-	-	1.00	-	-
Adair County Water District	8	$8,966,500	31	841	2.00	13.00	-
Totals:	**9**	**$9,287,500**	**31**	**841**	**3.00**	**13.00**	**-**

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	Adair	4,652	1,971
		Totals:	4,652	1,971

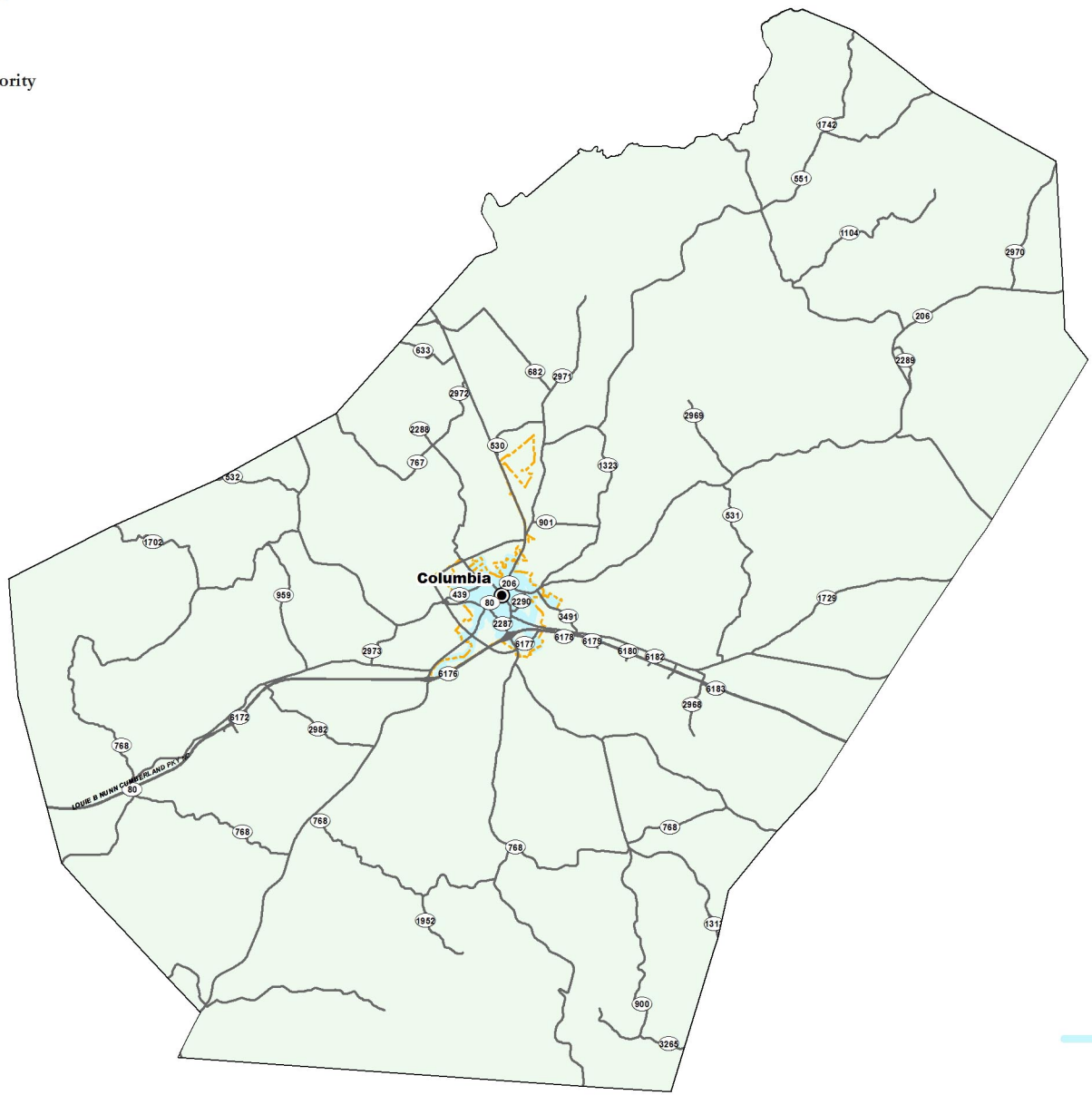
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
ADAIR COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

COLUMBIA/ADAIR UTILITIES DISTRICT

System Summary for Columbia/Adair Utilities District

Permit ID	KY0024317	Treats Wastewater	Yes, 1.9 MGD with 1.4 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,688
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$20.80	Total KISOP Treated (MG)	-
Residential Customers	1,303	Total Treated (MG)	360.000
Commercial Customers	385	Number of Manholes	547
Institutional Customers	-	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).			

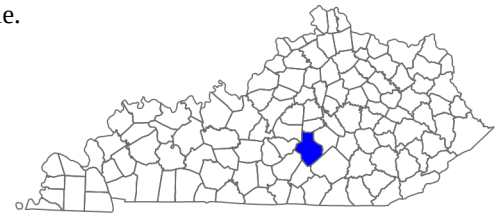
MG = Million Gallons.
MGD = Million Gallons per Day.

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
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		
SX21001001	Columbia Adair WWTP Sludge Conditioning System	3-5 Years	Partially Funded	$1,432,000	Adair		
SX21001015	Downtown Sewer System Improvements - Phase 4	3-5 Years	Not Funded	$841,000	Adair		
SX21001002	Columbia Lift Station Development and Renovation	3-5 Years	Partially Funded	$553,000	Adair		
SX21001016	HWY 55/Cane Valley Area Sewer System Extension	3-5 Years	Not Funded	$343,000	Adair		
SX21001018	Green River Commercel Park Sewer Project	0-2 Years	Not Funded	$321,000	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

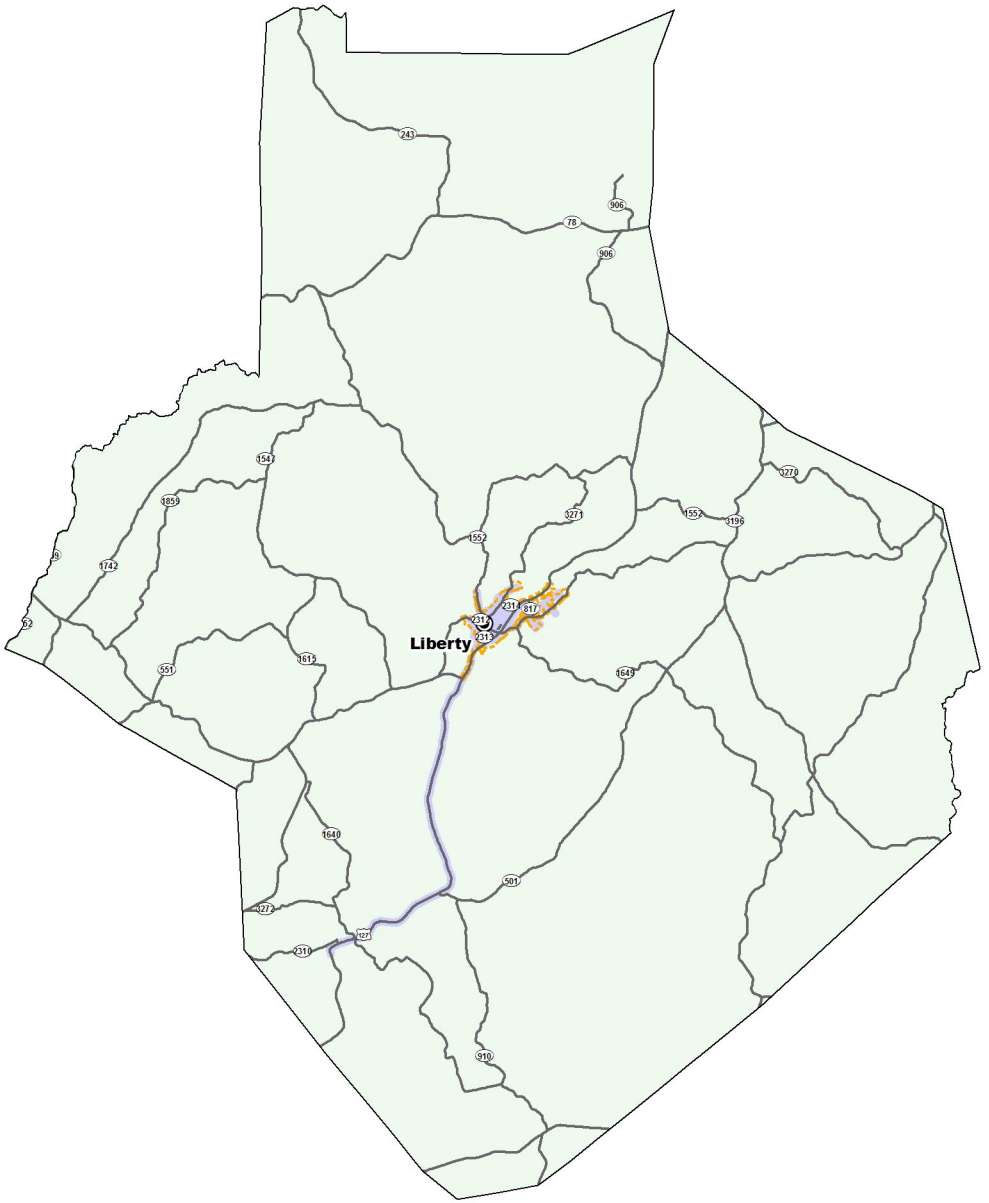
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CASEY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

LIBERTY WATER & GAS

System Summary for Liberty Water & Gas

Permit ID	KY0026352	Treats Wastewater	Yes, 0.64 MGD with 0.58 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	810
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$27.47	Total KISOP Treated (MG)	-
Residential Customers	616	Total Treated (MG)	212.430
Commercial Customers	193	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).			

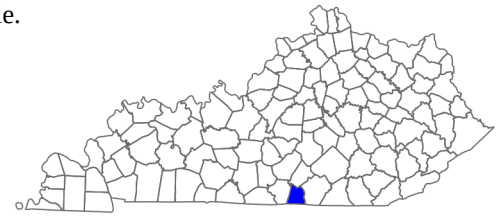
MG = Million Gallons.
MGD = Million Gallons per Day.

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 24% serviceable.
- Projected 2020 population of 10,896 (change of 624).
- Clinton County has 32.54 miles of existing sewer lines.
- 31.00 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: $6,939,000.
- Estimated funding needs for projects from 6 to 10 years: $3,157,000.



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 24 percent of the county's households based on 2010 census counts. Over the next ten years approximately 655 serviceable households will be added through the construction of 31.00 miles of sewer line extensions and approximately 52 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	9	$10,096,000	655	52	31.00	1.00	1.00
Totals:	**9**	**$10,096,000**	**655**	**52**	**31.00**	**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	2,499	1,297
		Totals:	2,499	1,297

Kentucky Infrastructure Authority
February 19, 2016

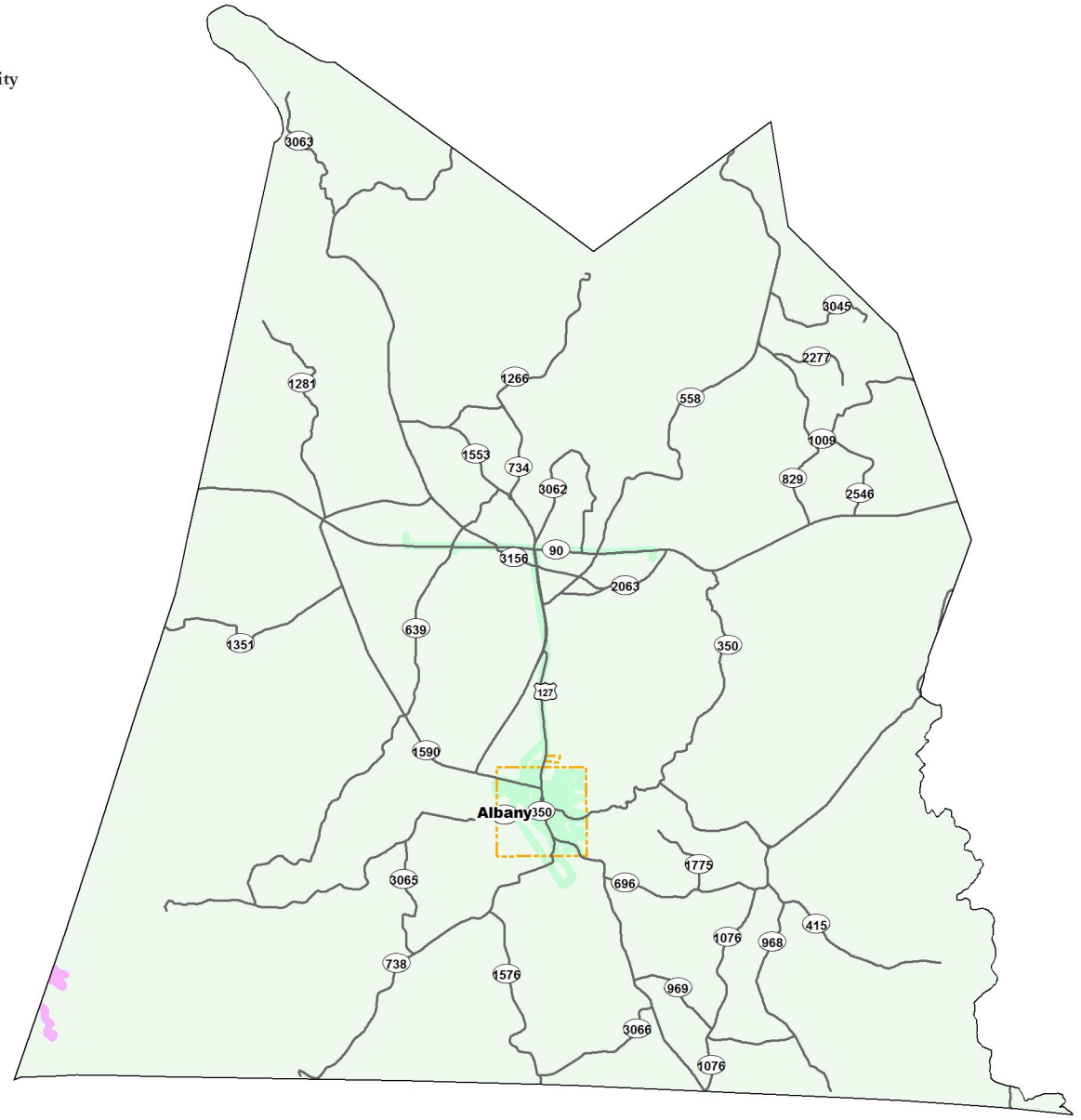
SEWER SERVICE AREAS
CLINTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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	1,292
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	174	Number of Manholes	425
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 = 30.82 miles (Collection: 30.82 miles, Interceptors: 0.00 miles).			

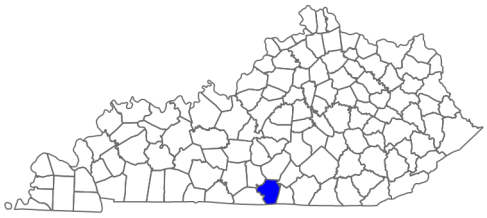
MG = Million Gallons.
MGD = Million Gallons per Day.

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		
SX21053011	Albany – Dale Hollow Lake Sewage Transport System	6-10 Years	Not Funded	$1,050,000	Clinton		
SX21053009	Albany/Clear Fork Sewer System Renovation	6-10 Years	Not Funded	$782,000	Clinton		
SX21053010	Albany/Grider Hill Facility/Lake Cumberland Sewage Transport System	6-10 Years	Not Funded	$736,000	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		
SX21053013	Highway 1590 Sewer Extension	3-5 Years	Not Funded	$150,000	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 20.74 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: $2,000,000.
- 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.

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	$2,000,000	-	-	-	-	-
Totals:	**1**	**$2,000,000**	**-**	**-**	**-**	**-**	**-**

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	1,499	780
		Totals:	1,499	780

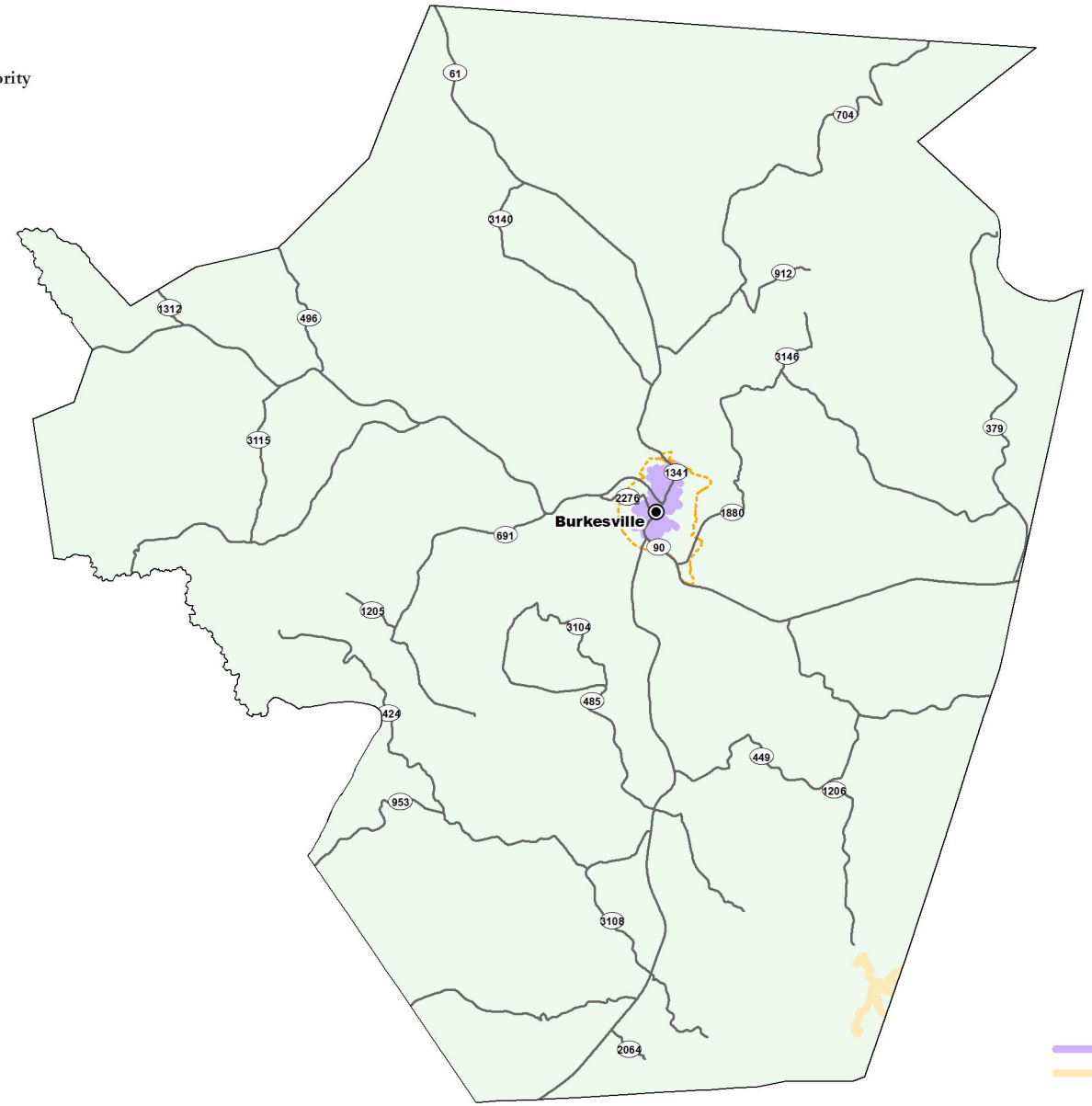
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CUMBERLAND COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Burkesville Wastewater

Permit ID	KY0036854	Treats Wastewater	Yes, 0.5 MGD with 0.325 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	760
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$31.42	Total KISOP Treated (MG)	-
Residential Customers	634	Total Treated (MG)	118.750
Commercial Customers	84	Number of Manholes	138
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	5	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 15.15 miles (Collection: 15.15 miles, Interceptors: 0.00 miles).			

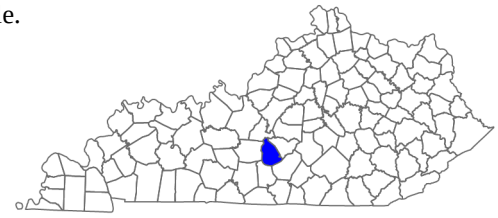
MG = Million Gallons.
MGD = Million Gallons per Day.

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	$2,000,000	Cumberland		

Green County

- 2010 census population of 11,258 (5,324 households) with 27% serviceable.
- Projected 2020 population of 11,112 (change of -146).
- Green County has 32.65 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: $1,290,000.
- 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 27 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	2	$940,000	-	-	-	-	-
Totals:	**3**	**$1,290,000**	-	-	-	-	-

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	2,359	1,179
KY0096881	Sanitation District #1 of Green County	Green	622	281
		Totals:	2,981	1,460

Kentucky Infrastructure Authority
February 19, 2016

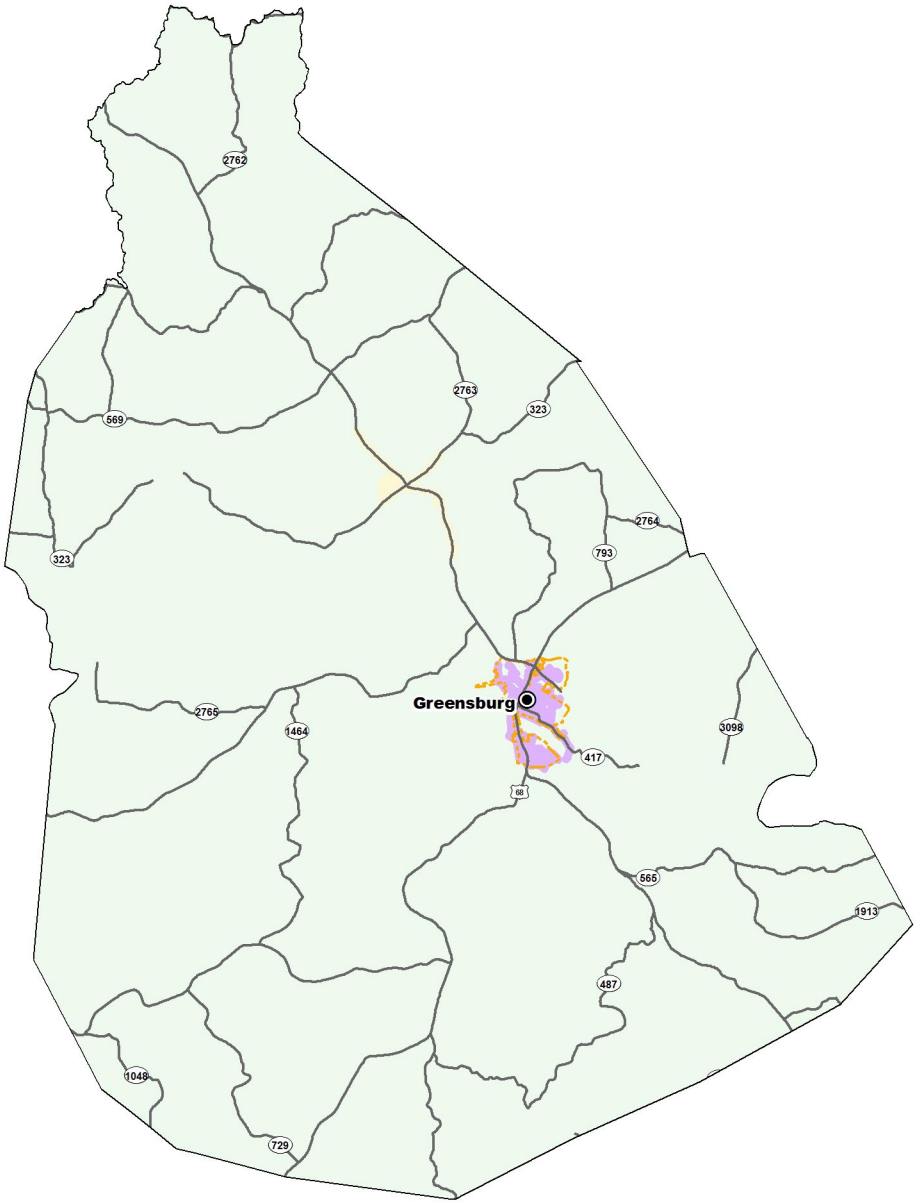
SEWER SERVICE AREAS
GREEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



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 0.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	950
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$24.55	Total KISOP Treated (MG)	-
Residential Customers	830	Total Treated (MG)	197.300
Commercial Customers	111	Number of Manholes	400
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 = 23.50 miles (Collection: 23.50 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		

System Summary for Sanitation District #1 of Green County

Permit ID	KY0096881	Treats Wastewater	Yes, 0.1 MGD with 0.03 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	272
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	263	Total Treated (MG)	20.546
Commercial Customers	7	Number of Manholes	28
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 = 9.16 miles (Collection: 9.16 miles, Interceptors: 0.00 miles).			

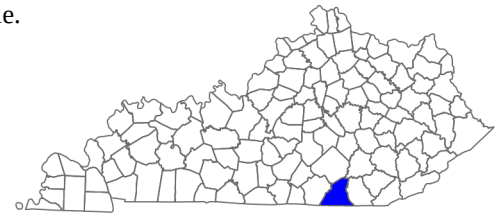
MG = Million Gallons.
MGD = Million Gallons per Day.

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		
SX21087010	GCSD#1 – Pump Station Rehabilitation Project	3-5 Years	Not Funded	$200,000	Green		

McCreary County

- 2010 census population of 18,306 (7,507 households) with 26% serviceable.
- Projected 2020 population of 18,314 (change of 8).
- McCreary County has 40.51 miles of existing sewer lines.
- 26.00 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: $8,049,405.
- 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 26 percent of the county's households based on 2010 census counts. Over the next ten years approximately 824 serviceable households will be added through the construction of 26.00 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	12	$9,193,985	824	-	26.00	-	-
Totals:	**12**	**$9,193,985**	**824**	**-**	**26.00**	**-**	**-**

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	4,276	1,927
		Totals:	4,276	1,927

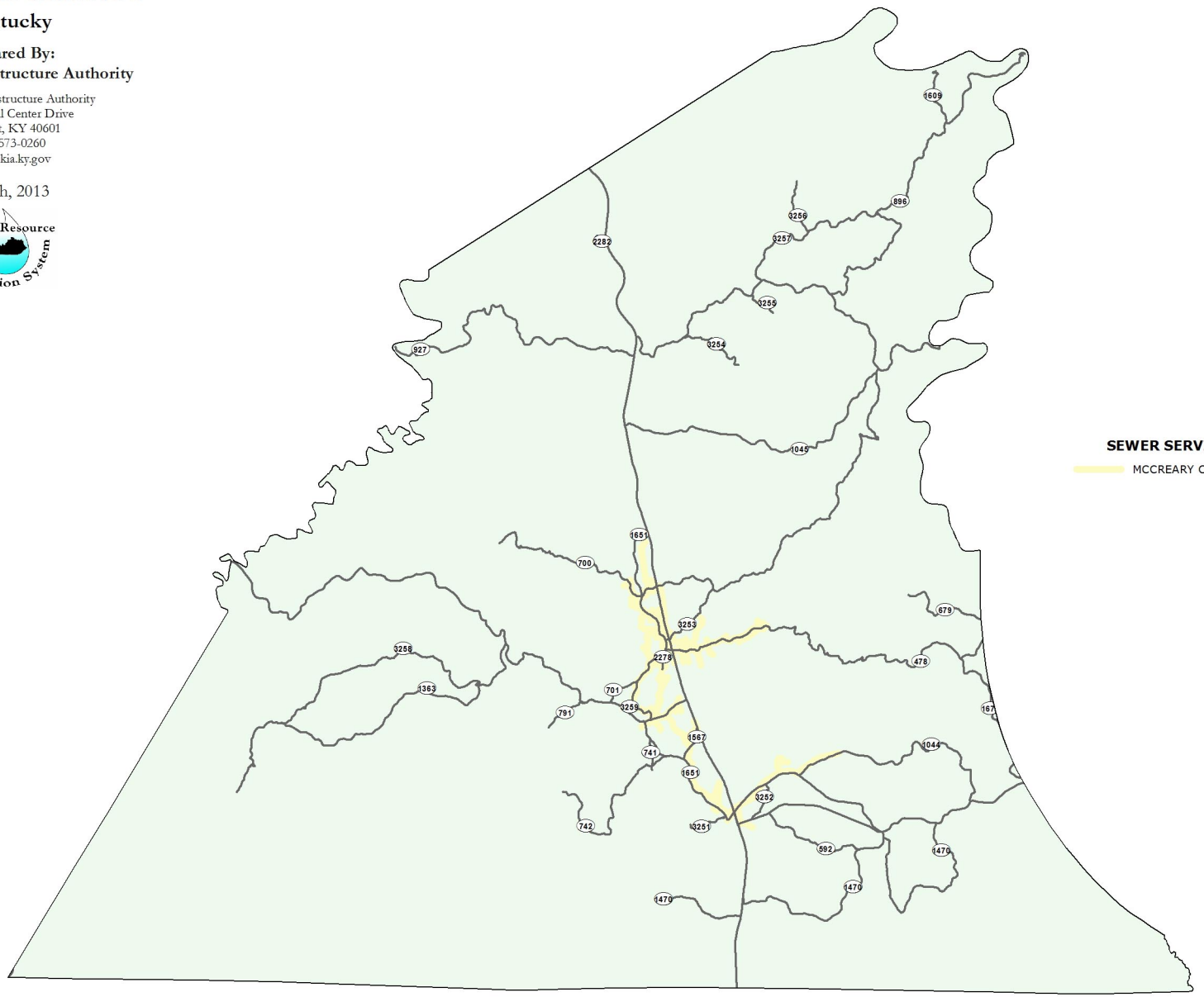
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MCCREARY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for McCreary County Water District

Permit ID	KY0097837	Treats Wastewater	Yes, 0.9 MGD with 0.456 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,078
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	804	Total Treated (MG)	130.906
Commercial Customers	145	Number of Manholes	39
Institutional Customers	1	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 = 40.50 miles (Collection: 40.50 miles, Interceptors: 0.00 miles).			

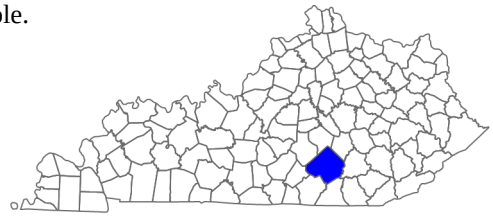
MG = Million Gallons.
MGD = Million Gallons per Day.

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		
SX21147010	McCreary Co/Big Creek Sewer System Extension-Phase II	3-5 Years	Partially Funded	$1,416,000	McCreary		
SX21147012	McCreary Co WD-Pine Knot (KY 1651 & US 92) Area Sanitary Sewer Project	3-5 Years	Not Funded	$888,500	McCreary		
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		
SX21147006	McCreary Co./KY 1651/East Appletree Rd. Area Sewer System Extensions	3-5 Years	Not Funded	$713,000	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		
SX21147001	MCWD - Sewer System Improvements	3-5 Years	Not Funded	$300,000	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 137.19 miles of existing sewer lines.
- 29.00 miles of line extensions proposed in the next 10 years.
- 3.00 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: $15,411,000.
- 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 970 serviceable households will be added through the construction of 29.00 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. 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 Burnside	1	$916,000	-	56	-	1.00	-
City of Eubank	2	$6,450,000	637	-	17.00	-	10.00
City of Science Hill	3	$5,105,000	180	36	8.00	2.00	3.00
City of Somerset	1	$2,940,000	153	-	4.00	-	-
Totals:	**7**	**$15,411,000**	**970**	**92**	**29.00**	**3.00**	**13.00**

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	1,140	496
KY0026611	Somerset Utilities	Pulaski	12,914	6,236
02006100	Villas At Woodson Bend	Pulaski	172	401
		Totals:	14,841	7,477

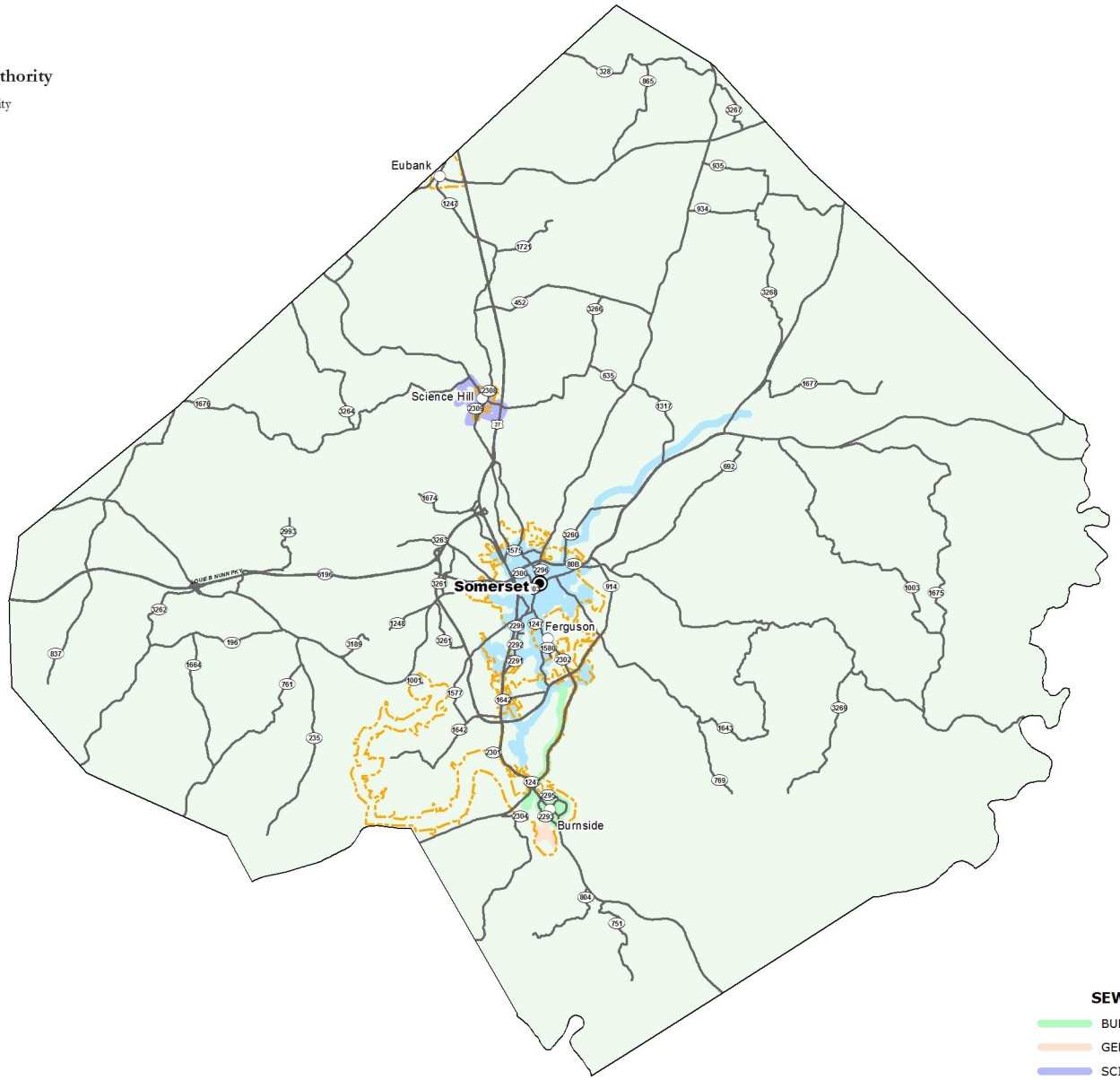
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
PULASKI COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Burnside Municipal Water Works

Permit ID	KYP000069	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	338
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	11.995
Cost Per 4000 Gallons	$39.06	Total KISOP Treated (MG)	-
Residential Customers	302	Total Treated (MG)	-
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 = 14.01 miles (Collection: 9.81 miles, Interceptors: 4.20 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 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	402	Total Treated (MG)	31.810
Commercial Customers	22	Number of Manholes	165
Institutional Customers	1	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 = 12.46 miles (Collection: 12.46 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	6,249
Owner Type	Incorporated City	KISOP Sender	No
Employees	19	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$10.31	Total KISOP Treated (MG)	12.410
Residential Customers	4,299	Total Treated (MG)	912.500
Commercial Customers	1,865	Number of Manholes	5100
Institutional Customers	-	Number of Lift Stations	27
Industrial Customers	27	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 Villas At Woodson Bend

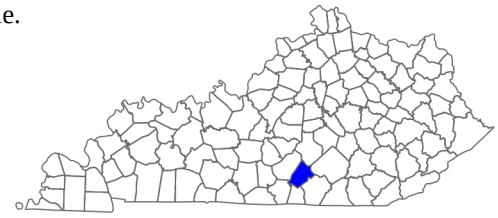
Permit ID	02006100	Treats Wastewater	No
System Type	DOW Non-Discharge (KNDOP)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	488	Total Treated (MG)	-
Commercial Customers	3	Number of Manholes	60
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 = 4.08 miles (Collection: 4.08 miles, Interceptors: 0.00 miles).			

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

There are no immediate projects for Villas At Woodson Bend

Russell County

- 2010 census population of 17,565 (9,993 households) with 30% serviceable.
- Projected 2020 population of 18,782 (change of 1,217).
- Russell County has 80.61 miles of existing sewer lines.
- 35.00 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: $5,352,466.
- Estimated funding needs for projects from 6 to 10 years: $1,794,100.



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 30 percent of the county's households based on 2010 census counts. Over the next ten years approximately 801 serviceable households will be added through the construction of 35.00 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	2	$2,122,100	142	-	4.00	-	-
City of Russell Springs	4	$3,327,466	659	-	30.00	-	-
Totals:	**7**	**$7,146,566**	**801**	-	**35.00**	-	-

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	3,790	2,097
		Totals:	5,695	3,018

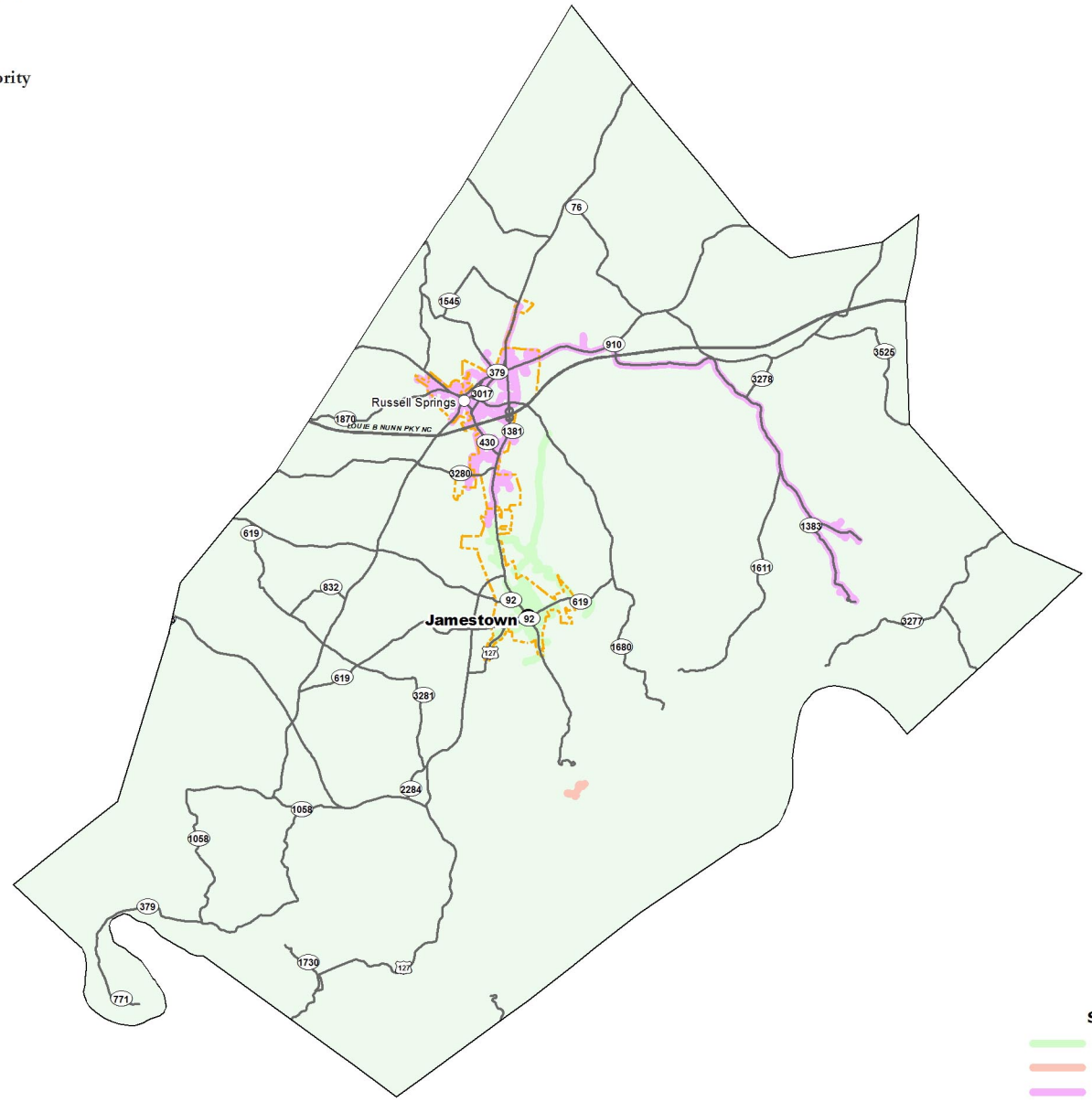
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
RUSSELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Jamestown Utilities

Permit ID	KY0062995	Treats Wastewater	Yes, 3.6 MGD with 1.86 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	510
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$26.45	Total KISOP Treated (MG)	71.661
Residential Customers	438	Total Treated (MG)	813.593
Commercial Customers	51	Number of Manholes	215
Institutional Customers	17	Number of Lift Stations	12
Industrial Customers	2	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		
SX21207016	Lift Stations and Conveyance System Improvements	3-5 Years	Not Funded	$553,000	Russell		

System Summary for Russell Springs Sewer & Water Works

Permit ID	KYP000057	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,343
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	71.661
Cost Per 4000 Gallons	$16.00	Total KISOP Treated (MG)	-
Residential Customers	1,095	Total Treated (MG)	-
Commercial Customers	248	Number of Manholes	413
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 = 53.70 miles (Collection: 53.70 miles, Interceptors: 0.00 miles).

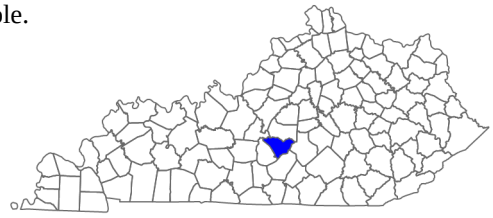
MG = Million Gallons.
MGD = Million Gallons per Day.

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	3	1
SX21207011	Russell Springs-Outer City Limits Pressure Sewer Extensions	3-5 Years	Not Funded	$830,000	Russell		
SX21207002	Russell Springs Sewer Extension - No. 2	3-5 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.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,476,100.
- 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. 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 Campbellsville	7	$7,476,100	266	243	6.00	4.00	1.00
Totals:	**7**	**$7,476,100**	**266**	**243**	**6.00**	**4.00**	**1.00**

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

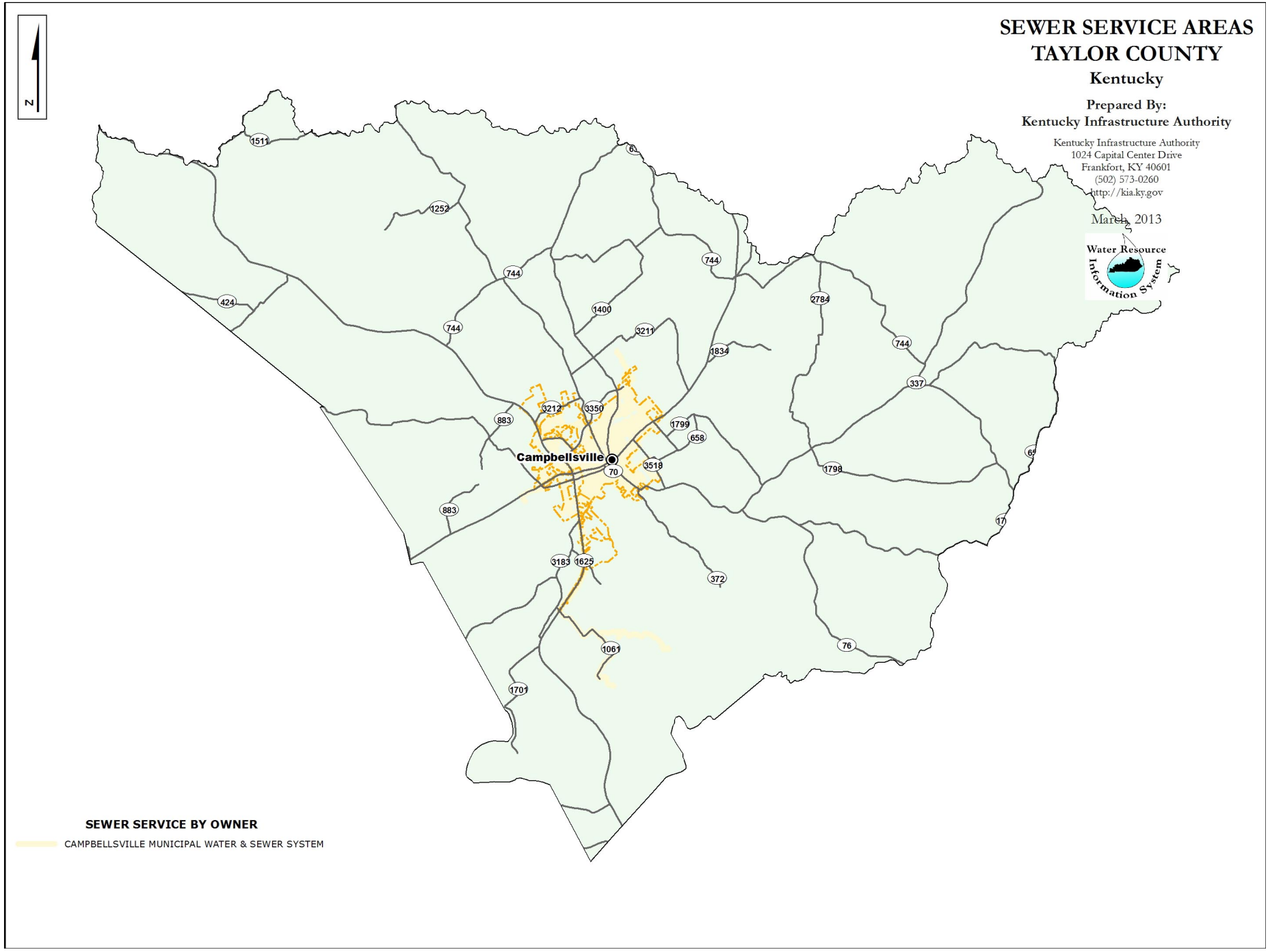
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
TAYLOR COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,705
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$17.46	Total KISOP Treated (MG)	-
Residential Customers	3,643	Total Treated (MG)	764.060
Commercial Customers	1,039	Number of Manholes	1520
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	17	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).			

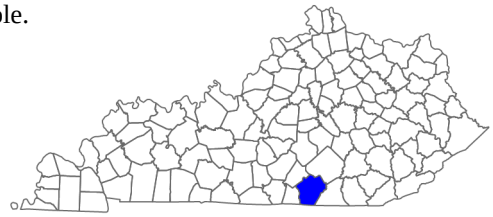
MG = Million Gallons.
MGD = Million Gallons per Day.

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
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		
SX21217009	CMWS – Snow Lane and Steeple Chase Sewer System Extension	3-5 Years	Not Funded	$941,000	Taylor		
SX21217008	Campbellsville Sewer System Renovation	3-5 Years	Not Funded	$788,000	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 27% serviceable.
- Projected 2020 population of 22,128 (change of 1,315).
- Wayne County has 45.60 miles of existing sewer lines.
- 28.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 12.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $29,826,000.
- 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 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 552 serviceable households will be added through the construction of 28.00 miles of sewer line extensions and approximately 168 instances of improved service through the rehabilitation of 6.00 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	14	$30,869,000	552	168	28.00	6.00	12.00
Totals:	**14**	**$30,869,000**	**552**	**168**	**28.00**	**6.00**	**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	6,252	2,924
		Totals:	6,252	2,924

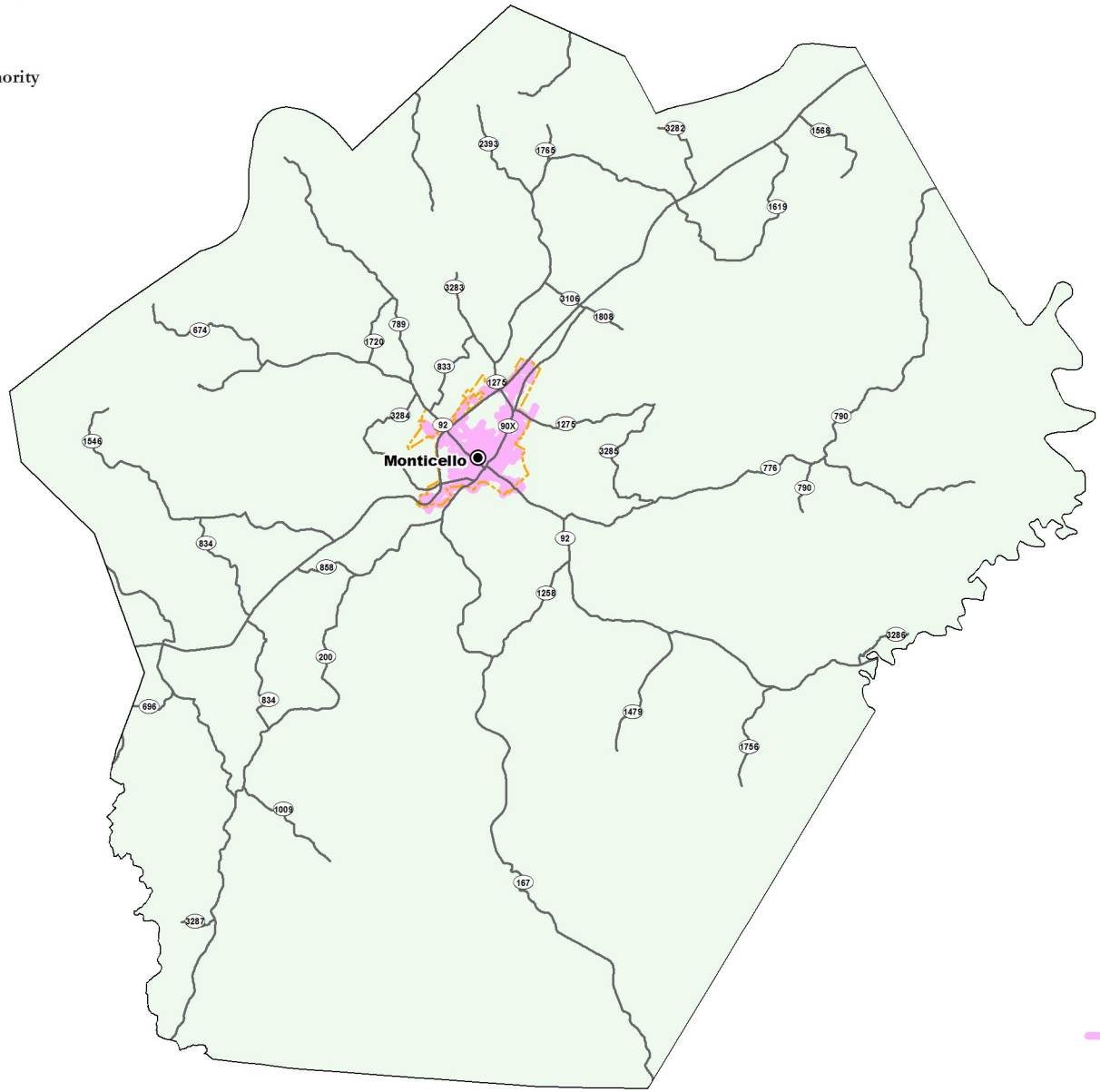
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
WAYNE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



System Summary for Monticello Utility Commission

Permit ID	KY0033847	Treats Wastewater	Yes, 2.1 MGD with 0.64 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,289
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$18.02	Total KISOP Treated (MG)	-
Residential Customers	2,067	Total Treated (MG)	170.882
Commercial Customers	319	Number of Manholes	1003
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 1% Constructed

Total Collection System Line Length = 44.62 miles (Collection: 44.62 miles, Interceptors: 0.00 miles).

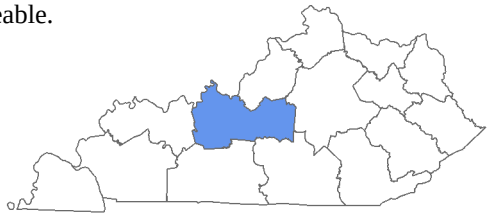
MG = Million Gallons.
MGD = Million Gallons per Day.

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	2	1
SX21231009	Sanitary Sewer Extensions - KY 90 East/Eastview Subdivision/Fran	3-5 Years	Not Funded	$5,708,000	Wayne	4	2
SX21231016	MUC – Wastewater Treatment Plant Upgrades	3-5 Years	Not Funded	$8,620,000	Wayne		
SX21231006	Monticello/Elk Creek Interceptor Sewer Line	3-5 Years	Not Funded	$2,070,000	Wayne		
SX21231011	Monticello Downtown Sewer Renovation	3-5 Years	Partially Funded	$1,860,000	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		
SX21231012	Monticello – Hiland View Sanitary Sewer Extensions	3-5 Years	Not Funded	$880,000	Wayne		
SX21231015	MUC-West KY 90 Industrial Park Sewer Extension	3-5 Years	Not Funded	$794,000	Wayne		
SX21231001	Monticello-Lincoln/Highland Street Sewer Extension Project	6-10 Years	Not Funded	$581,000	Wayne		
SX21231004	Monticello/Colonial Estates Sewer Line Extension	3-5 Years	Not Funded	$543,000	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).
- 958.72 miles of existing sewer lines.
- 64.00 miles of line extensions proposed in the next 10 years.
- 9.00 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: $92,251,613.
- Estimated funding needs for projects from 6 to 10 years: $258,970.
- Average age of wastewater treatment plants is 32 years.
- Total number of interconnected systems is 3.
- 159 miles of sewer lines less than 15 years old.
- 152 miles of sewer lines between 15 and 30 years old.
- 93 miles of sewer lines between 31 and 50 years old.
- 341 miles of sewer lines between 51 and 70 years old.
- 6 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 1,912 serviceable households will be added through the construction of 64.00 miles of sewer line extensions and approximately 8,177 instances of improved service through the rehabilitation of 9.00 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	1,555	15%	$ 10,707,480
Grayson	25,746	13,561	27,048	11,007	3,338	25%	$ 2,065,750
Hardin	105,543	43,261	116,612	46,055	25,722	60%	$ 54,252,643
Larue	14,193	6,172	14,961	6,069	1,577	26%	$ 6,426,465
Marion	19,820	8,182	21,424	8,332	3,240	40%	$ 5,024,300
Meade	28,602	11,762	30,901	11,964	2,562	22%	$ 240,000
Nelson	43,437	18,075	50,119	20,219	8,293	46%	$ 7,323,000
Washington	11,717	5,044	12,486	4,958	1,308	26%	$ 6,470,945
Totals	**269,117**	**116,687**	**295,040**	**117,392**	**47,595**	**41%**	**$ 92,510,583**

Kentucky Infrastructure Authority
February 19, 2016

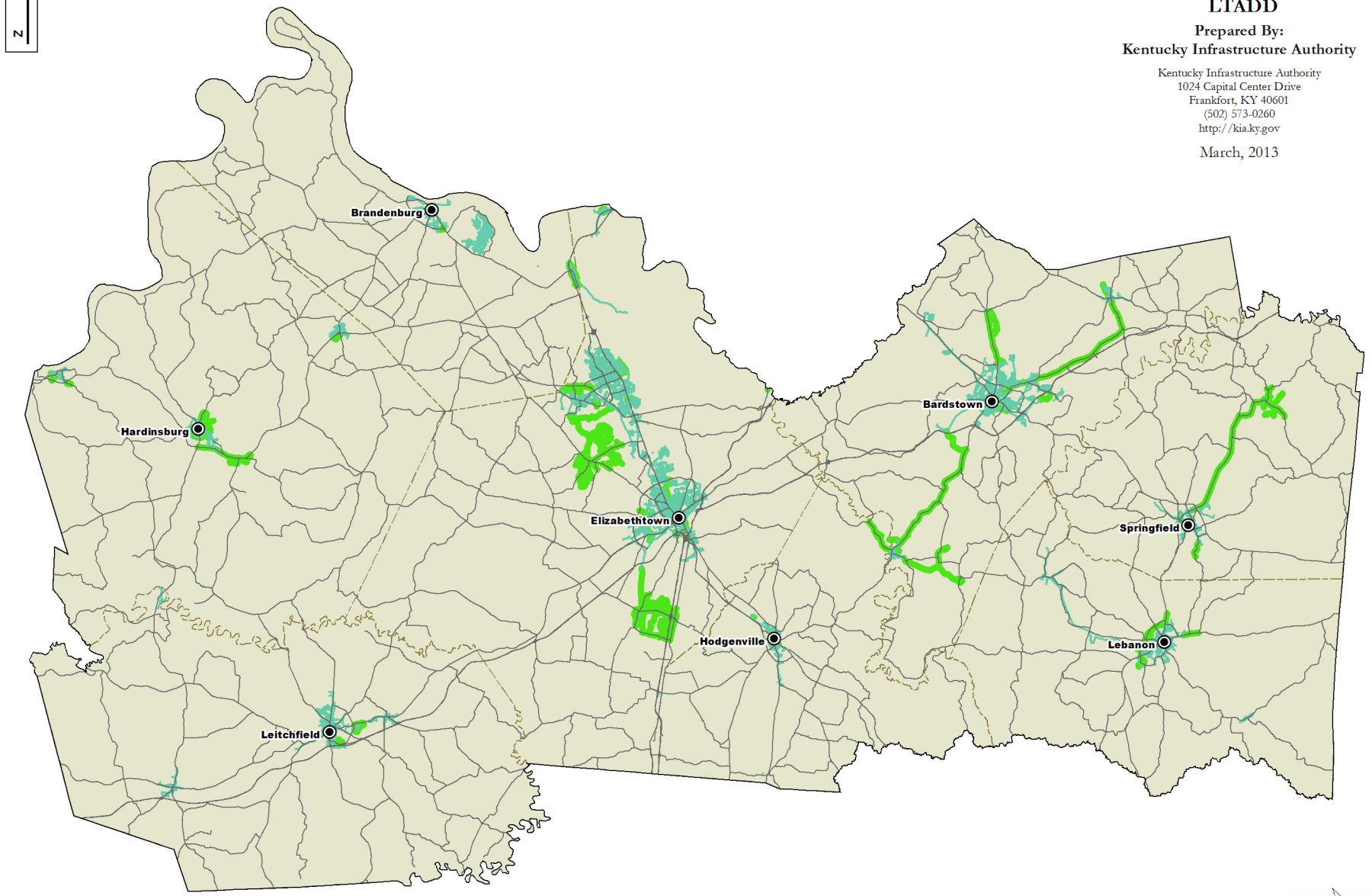
EXISTING & PROPOSED SEWER LINES

LTADD

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



Public Sewer Systems in the Lincoln Trail Area Development District

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

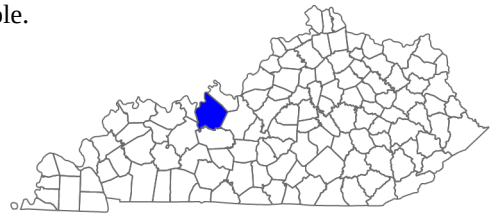
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026701	Cloverport Sewer System	Breckinridge	1,071	527
KY0028363	Hardinsburg Sewer System	Breckinridge	2,164	1,023
KY0072044	Caneyville Sewer System	Grayson	609	301
KY0090590	Clarkson Sewer System	Grayson	899	448
KY0022934	Leitchfield Utilities Commission	Grayson	5,666	2,583
KY0022039	Elizabethtown Wastewater System	Hardin	29,554	13,152
KY0022390	Hardin Co. Water District No. 1 Radcliff Sewer System	Hardin	23,239	10,070
KY0024988	Vine Grove Sewer System	Hardin	4,936	2,055
KY0022152	West Point Sewer System	Hardin	839	445
KY0026379	Hodgenville Sewer System	Larue	3,647	1,576
KY0090719	Bradfordsville Sewer System	Marion	305	150
KY0026549	Lebanon Sewer System	Marion	6,011	2,768
KYP000073	Loretto Wastewater System	Marion	803	322
KY0021474	Brandenburg Sewer System	Meade	2,782	1,210
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	2,705	1,308
		Totals:	107,167	47,584

Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21093019	HCWD#2 Northern Hardin Co. Wastewater Project	3-5 Years	Not Funded	$24,000,000	Hardin	1	1
SX21179020	New Haven Phase I Sewer Extension to Gethsemani Monastery	3-5 Years	Not Funded	$791,000	Nelson	2	2
SX21123007	Hodgenville WWTP Upgrade & Wet Weather Storage	0-2 Years	Not Funded	$3,570,000	Larue	4	1
SX21085009	Clarkson Sewer / Lift Station Rehabilitation	3-5 Years	Not Funded	$192,500	Grayson	5	1
SX21179013	New Haven - WWTP Improvements Projects	3-5 Years	Not Funded	$1,136,000	Nelson	6	1
SX21093022	HCWD#1 Boone Trace Sewer Improvements	0-2 Years	Not Funded	$2,000,000	Hardin	7	2
SX21229003	Springfield Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	$1,920,945	Washington	8	1
SX21155009	Lebanon Wastewater System Rehabilitation and Improvements	0-2 Years	Not Funded	$995,000	Marion	9	1
SX21027013	Hardinsburg Sewer System Rehabilitation Phase 2	0-2 Years	Not Funded	$1,000,000	Breckinridge	10	1
SX21163007	Brandenburg Wastewater Treatment Plant Upgrade & Expansion	3-5 Years	Not Funded	$745,000	Meade	11	1
SX21179025	New Haven Outfall to Rolling Fork	3-5 Years	Not Funded	$240,000	Nelson	12	5
SX21085008	Leitchfield Fountain View Sewer Extensions Phase II	3-5 Years	Not Funded	$535,000	Grayson	13	2
SX21027015	Cloverport Trailer Park Sewer Rehab	0-2 Years	Not Funded	$146,040	Breckinridge	14	4
SX21163005	Muldraugh Sewer Improvements Phase 3	3-5 Years	Not Funded	$240,000	Meade	15	2
SX21027020	Irvington Manhole Rehabilitation Project	0-2 Years	Not Funded	$91,390	Breckinridge	16	2
SX21229006	Springfield - Washington County Regional Sewer Study	3-5 Years	Not Funded	$150,000	Washington	17	2
SX21155005	Crossroads Industrial Park Sewer Extension	3-5 Years	Not Funded	$390,000	Marion	19	2
SX21229005	Willisburg Wastewater Project	3-5 Years	Not Funded	$3,400,000	Washington	20	3
SX21229004	Springfield, Jim Town Project	3-5 Years	Not Funded	$1,000,000	Washington	21	4
SX21027010	Irvington Sanitary Sewer Improvements	3-5 Years	Not Funded	$3,000,000	Breckinridge	22	5
SX21027018	Cloverport Sewer System Lift Station Rehabilitation	0-2 Years	Not Funded	$122,100	Breckinridge	23	3
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	$600,000	Nelson	24	4
SX21093013	Vine Grove Wastewater Treatment Upgrade & Expansion	3-5 Years	Not Funded	$3,080,000	Hardin	25	4
SX21093021	West Point Lift Station Upgrad	3-5 Years	Not Funded	$343,350	Hardin	26	5
SX21093023	HCWD#1 Radcliff Lift Station & Sewer Line Upgrades	0-2 Years	Not Funded	$2,570,000	Hardin	27	3
SX21155001	Lebanon Wastewater System Improvements	3-5 Years	Not Funded	$293,000	Marion	28	3
SX21179018	Nelson County Industrial Park Wastewater Project	3-5 Years	Not Funded	$300,000	Nelson	29	3
SX21155007	Lebanon / Marion Industrial Pre-Treatment Facility	3-5 Years	Not Funded	$2,700,000	Marion	30	4
			Total Cost:	**$55,551,325**			

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 41.78 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: $10,448,510.
- 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 257 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	$1,592,795	21	285	1.00	-	-
City of Hardinsburg	8	$5,768,685	214	305	10.00	2.00	1.00
City of Irvington	3	$3,346,000	22	200	1.00	-	-
Totals:	**15**	**$10,707,480**	**257**	**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	2,164	1,023
		Totals:	3,235	1,550

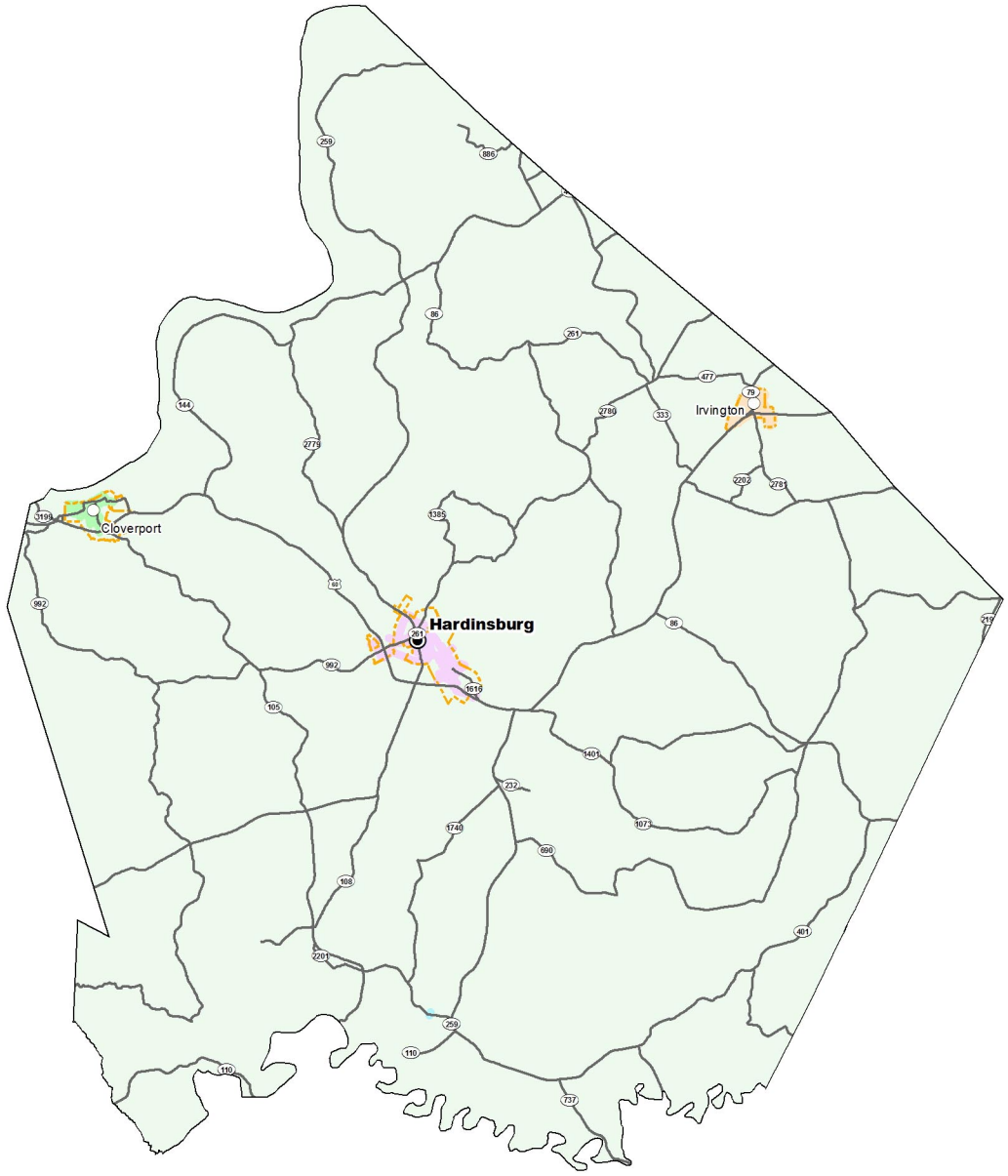
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BRECKINRIDGE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	185
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 = 9.54 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
SX21027015	Cloverport Trailer Park Sewer Rehab	0-2 Years	Not Funded	$146,040	Breckinridge	14	4
SX21027018	Cloverport Sewer System Lift Station Rehabilitation	0-2 Years	Not Funded	$122,100	Breckinridge	23	3
SX21027005	Cloverport Wastewater Improvements	3-5 Years	Not Funded	$936,000	Breckinridge		
SX21027011	Cloverport Hwy 105 Sewer Extension	3-5 Years	Partially Funded	$388,655	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	1,095	Total Treated (MG)	204.470
Commercial Customers	141	Number of Manholes	250
Institutional Customers	6	Number of Lift Stations	5
Industrial Customers	3	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 20.29 miles (Collection: 18.39 miles, Interceptors: 1.90 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	10	1
SX21027017	Hardinsburg Hwy 60 East Sewer Extensions	3-5 Years	Not Funded	$2,411,175	Breckinridge		
SX21027006	City of Hardinsburg: Blancett Lake-Airport Road Wastewater System Extension	3-5 Years	Not Funded	$707,670	Breckinridge		
SX21027016	Hardinsburg Sewer Rehabilitation Phase III	3-5 Years	Not Funded	$500,000	Breckinridge		
SX21027007	City of Hardinsburg: Breckwood Wastewater System Extension	3-5 Years	Not Funded	$476,300	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	452	Total Treated (MG)	28.410
Commercial Customers	30	Number of Manholes	46
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 = 11.93 miles (Collection: 0.21 miles, Interceptors: 11.72 miles).			

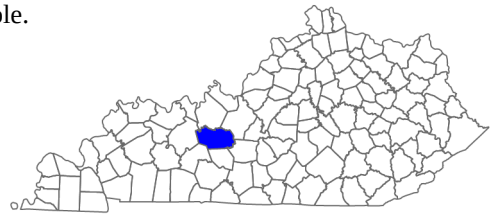
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21027020	Irvington Manhole Rehabilitation Project	0-2 Years	Not Funded	$91,390	Breckinridge	16	2
SX21027010	Irvington Sanitary Sewer Improvements	3-5 Years	Not Funded	$3,000,000	Breckinridge	22	5
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 80.15 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: $2,065,750.
- 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. 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	$520,750	-	-	-	-	1.00
City of Leitchfield	1	$535,000	20	-	2.00	-	-
Leitchfield Utility Commission	1	$1,010,000	-	-	-	-	-
Totals:	**4**	**$2,065,750**	**20**	**-**	**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	899	448
KY0022934	Leitchfield Utilities Commission	Grayson	5,666	2,583
		Totals:	7,174	3,332

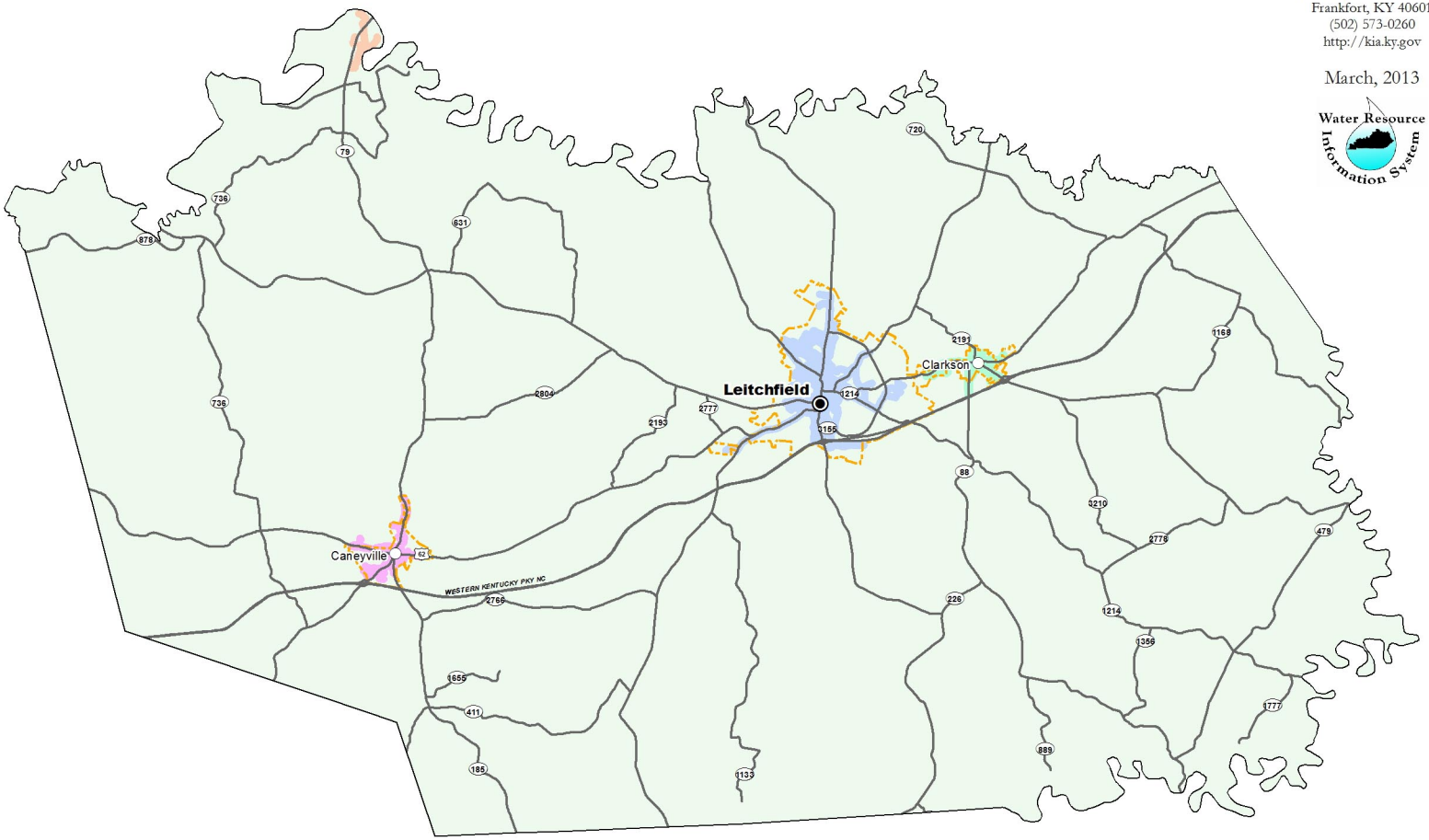
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
GRAYSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	206	Total Treated (MG)	31.680
Commercial Customers	36	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, 45% Constructed
Total Collection System Line Length = 10.99 miles (Collection: 9.96 miles, Interceptors: 1.04 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)	14.550
Commercial Customers	75	Number of Manholes	120
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 / Lift Station Rehabilitation	3-5 Years	Not Funded	$192,500	Grayson	5	1
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	1,930	Total Treated (MG)	461.760
Commercial Customers	405	Number of Manholes	886
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	21	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 54.73 miles (Collection: 42.38 miles, Interceptors: 12.35 miles).			

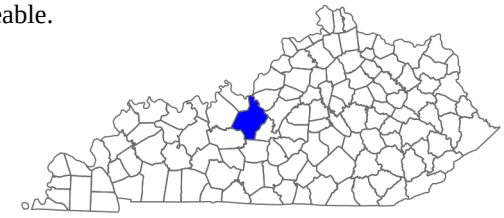
MG = Million Gallons.
MGD = Million Gallons per Day.

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	13	2
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 443.24 miles of existing sewer lines.
- 32.00 miles of line extensions proposed in the next 10 years.
- 5.00 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: $54,252,643.
- 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 2,771 instances of improved service through the rehabilitation of 5.00 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 Elizabethtown	3	$15,377,773	1	2,621	1.00	5.00	3.00
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:	**14**	**$54,252,643**	**1,243**	**2,771**	**32.00**	**5.00**	**4.00**

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	23,239	10,070
KY0024988	Vine Grove Sewer System	Hardin	4,936	2,055
KY0022152	West Point Sewer System	Hardin	839	445
		Totals:	58,568	25,722

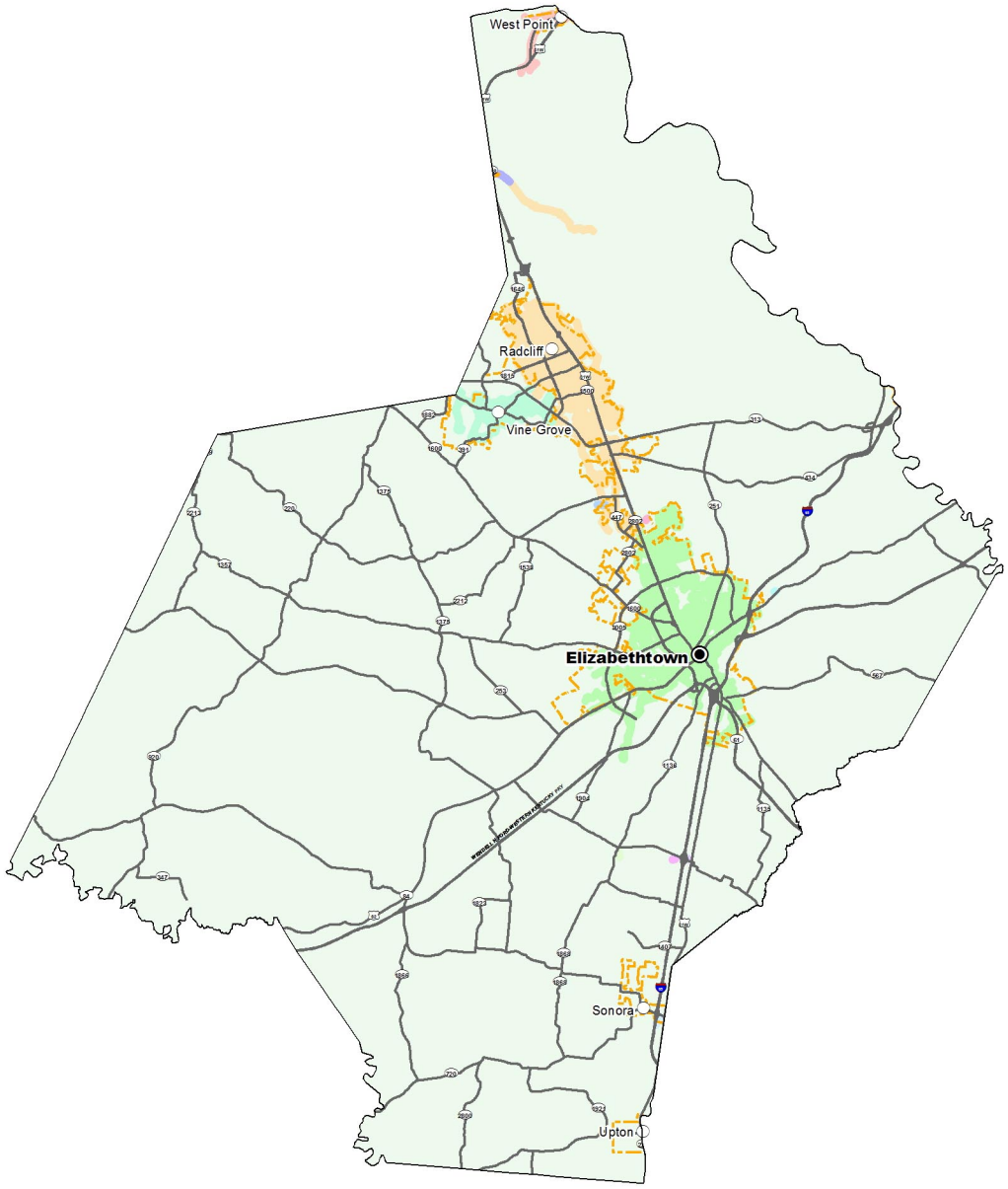
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HARDIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



N

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)	2,169.440
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
SX21093029	Village / Poplar Drive Sewer Improvements	0-2 Years	Not Funded	$11,005,500	Hardin		
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
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
SX21093019	HCWD#2 Northern Hardin Co. Wastewater Project	3-5 Years	Not Funded	$24,000,000	Hardin	1	1
SX21093022	HCWD#1 Boone Trace Sewer Improvements	0-2 Years	Not Funded	$2,000,000	Hardin	7	2
SX21093021	West Point Lift Station Upgrad	3-5 Years	Not Funded	$343,350	Hardin	26	5
SX21093023	HCWD#1 Radcliff Lift Station & Sewer Line Upgrades	0-2 Years	Not Funded	$2,570,000	Hardin	27	3
SX21093025	West Point WWTP Expansion & Upgrade	3-5 Years	Not Funded	$3,257,000	Hardin		
SX21093011	HCWD #1 Racliff Standby Generator Project	0-2 Years	Not Funded	$1,597,200	Hardin		
SX21093020	HCWD#1 Radcliff WWTP Improvements	0-2 Years	Not Funded	$385,000	Hardin		

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	1,506
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	1,440	Total Treated (MG)	134.640
Commercial Customers	47	Number of Manholes	470
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 = 41.57 miles (Collection: 38.36 miles, Interceptors: 3.21 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	25	4
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 0.78 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: 6.02 miles, Interceptors: 2.38 miles).			

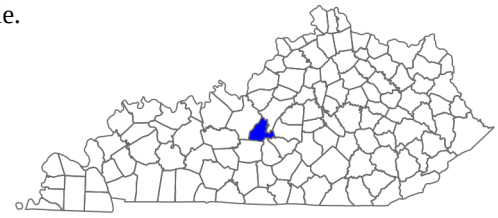
MG = Million Gallons.
MGD = Million Gallons per Day.

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.
- 2.00 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: $6,426,465.
- 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 and approximately 166 instances of improved service through the rehabilitation of 2.00 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 Hodgenville	2	$4,540,000	-	166	-	2.00	-
City of New Haven	2	$1,804,000	-	-	-	-	3.00
Larue County Fiscal Court	1	$82,465	1	-	-	-	-
Totals:	**5**	**$6,426,465**	**1**	**166**	**-**	**2.00**	**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

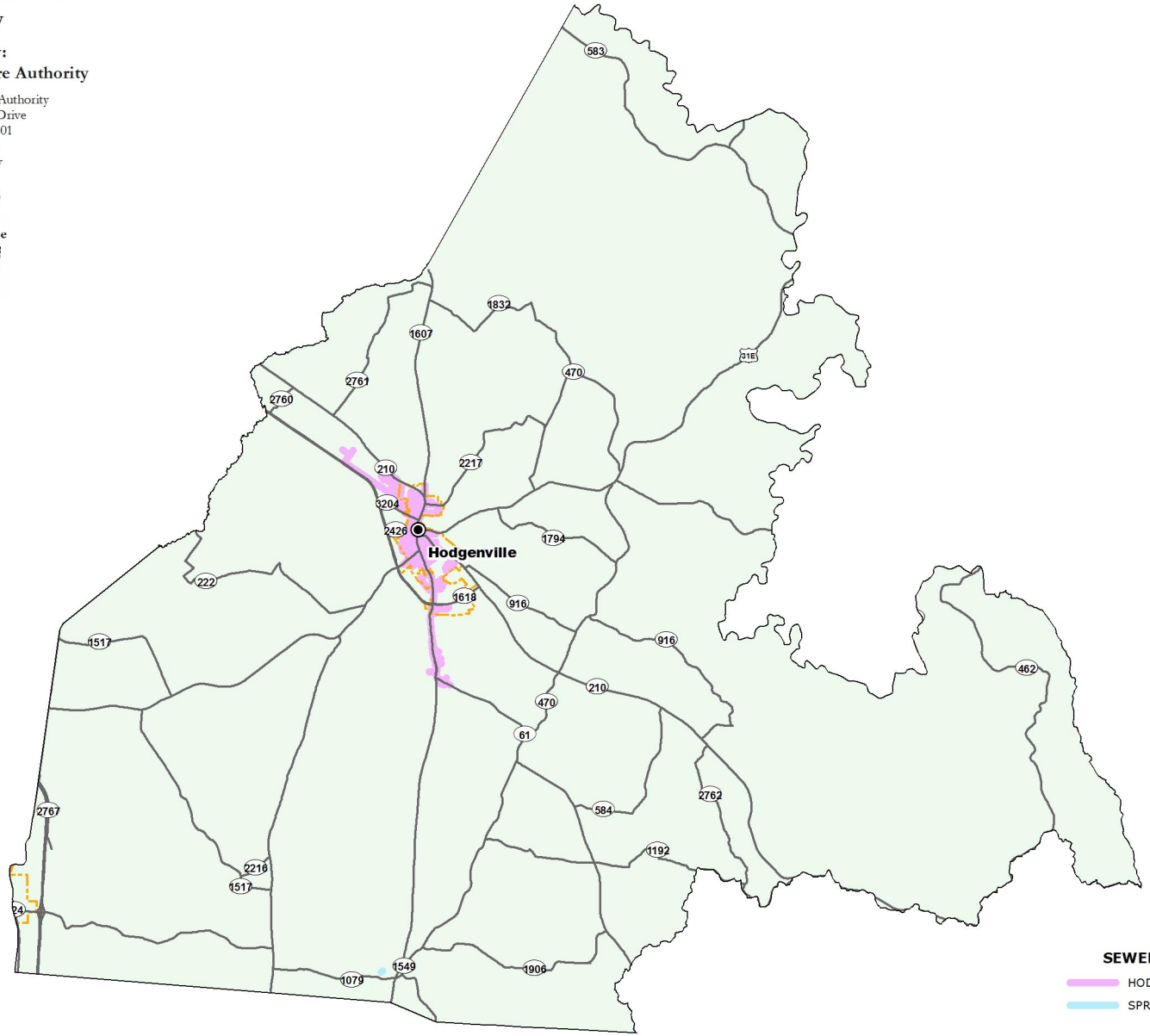
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LARUE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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)	223.920
Commercial Customers	153	Number of Manholes	454
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
SX21123005	Hodgenville Sanitary and Storm Water Improvements Phase II	3-5 Years	Not Funded	$970,000	Larue		
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 74.84 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 95 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	94	-	5.00	-	1.00
Marion County Industrial Foundation	1	$390,000	1	-	1.00	-	-
Totals:	**5**	**$5,024,300**	**95**	-	**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	305	150
KY0026549	Lebanon Sewer System	Marion	6,011	2,768
KYP000073	Loretto Wastewater System	Marion	803	322
		Totals:	7,119	3,240

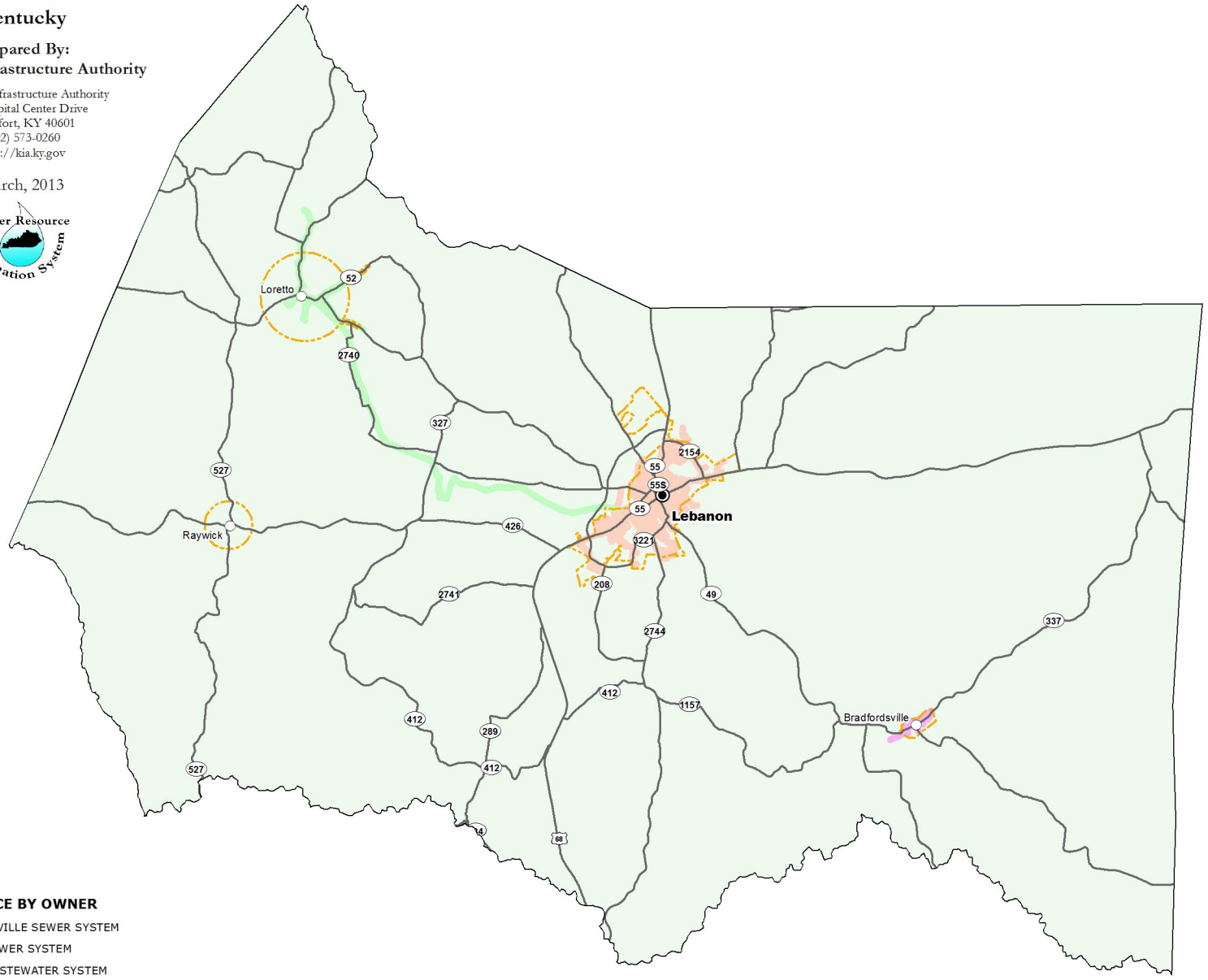
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MARION COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	134	Total Treated (MG)	8.900
Commercial Customers	10	Number of Manholes	70
Institutional Customers	3	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)	140.040
Residential Customers	2,541	Total Treated (MG)	647.300
Commercial Customers	13	Number of Manholes	940
Institutional Customers	30	Number of Lift Stations	5
Industrial Customers	37	Percent Lines 20 yrs or Older	75%
KISOP Customers	1	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 49.09 miles (Collection: 46.92 miles, Interceptors: 2.17 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	9	1
SX21155005	Crossroads Industrial Park Sewer Extension	3-5 Years	Not Funded	$390,000	Marion	19	2
SX21155001	Lebanon Wastewater System Improvements	3-5 Years	Not Funded	$293,000	Marion	28	3
SX21155007	Lebanon / Marion Industrial Pre-Treatment Facility	3-5 Years	Not Funded	$2,700,000	Marion	30	4
SX21155008	Lebanon Nally & Haydon Sanitary Sewer Project	3-5 Years	Not Funded	$646,300	Marion		

System Summary for Loretto Wastewater System

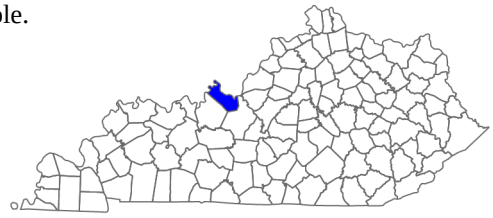
Permit ID	KYP000073	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	306
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	140.040
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	252	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
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 = 22.92 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 79.53 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: $240,000.
- 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 Muldraugh	1	$240,000	-	-	-	-	-
Totals:	**1**	**$240,000**	**-**	**-**	**-**	**-**	**-**

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	2,782	1,210
KY0043478	Doe Valley Association Inc	Meade	1,878	820
KYP000051	Muldraugh Sewer System	Meade	936	532
		Totals:	5,596	2,562

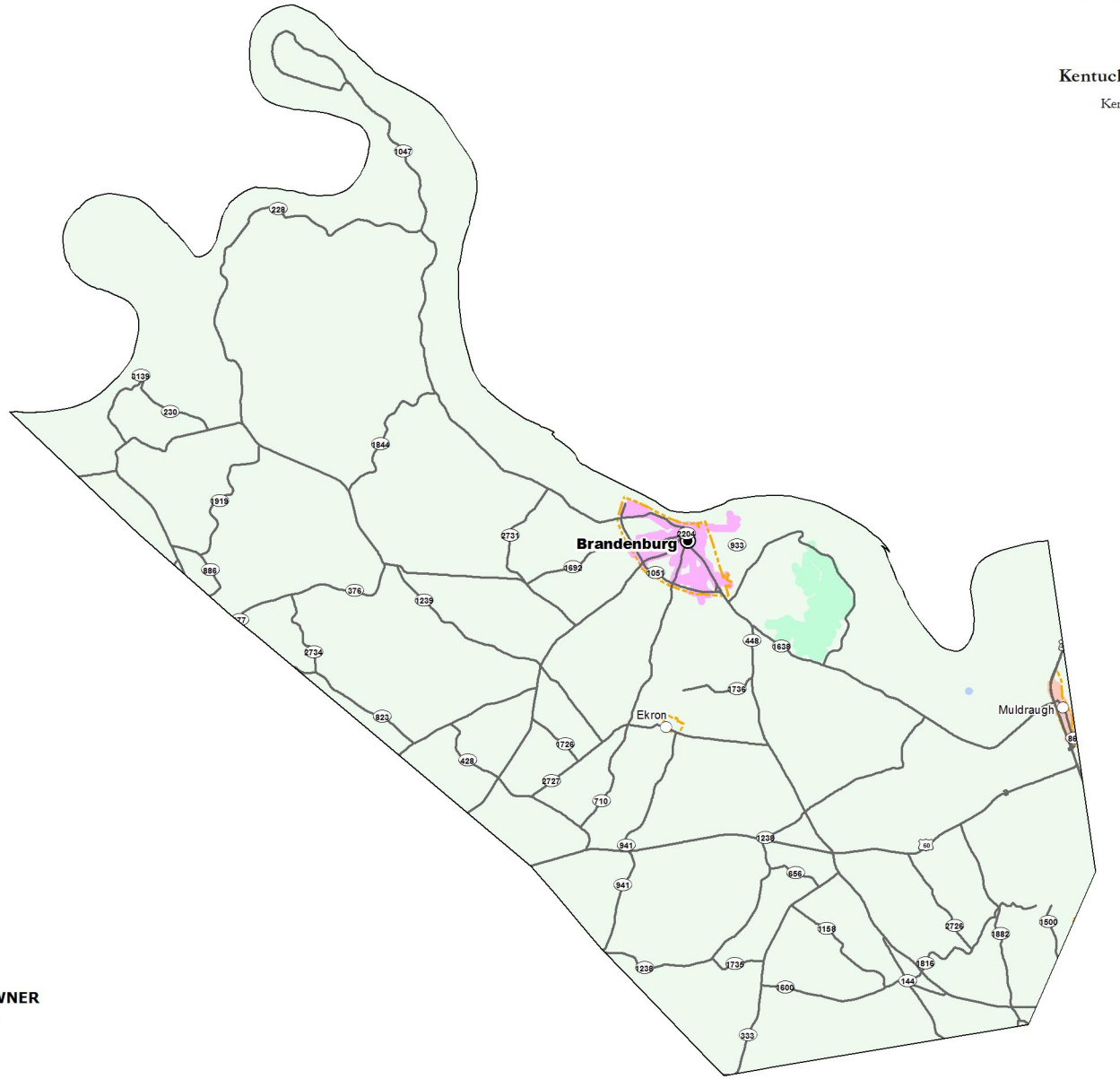
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MEADE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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	1,243
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	989	Total Treated (MG)	102.800
Commercial Customers	256	Number of Manholes	400
Institutional Customers	5	Number of Lift Stations	20
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 29.31 miles (Collection: 24.45 miles, Interceptors: 4.87 miles).			

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

There are no immediate projects for Brandenburg Sewer System

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)	-
Cost Per 4000 Gallons	$22.22	Total KISOP Treated (MG)	-
Residential Customers	248	Total Treated (MG)	-
Commercial Customers	52	Number of Manholes	96
Institutional Customers	1	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 = 6.43 miles (Collection: 4.72 miles, Interceptors: 1.71 miles).			

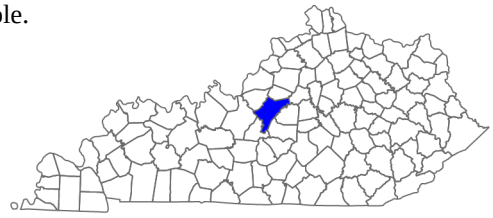
MG = Million Gallons.
MGD = Million Gallons per Day.

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	$240,000	Meade	15	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.
- There are no line upgrades 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: $7,323,000.
- 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 4,450 instances of improved service through system wide upgrades. 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 Bardstown	3	$2,710,000	125	4,000	4.00	-	4.00
City of New Haven	5	$4,313,000	-	450	-	-	8.00
Nelson County Fiscal Court	1	$300,000	1	-	1.00	-	-
Totals:	**9**	**$7,323,000**	**126**	**4,450**	**5.00**	**-**	**12.00**

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 19, 2016

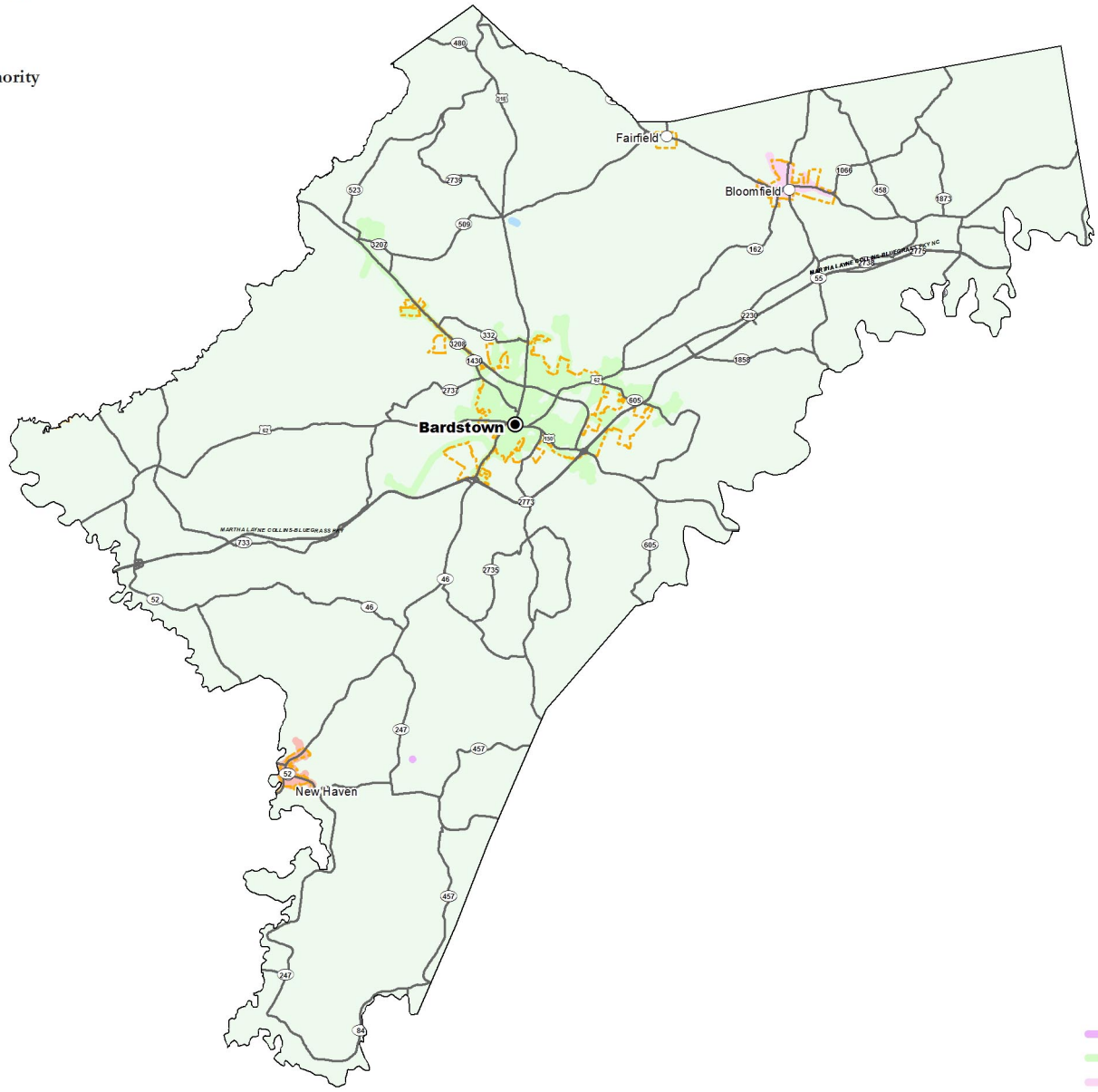
SEWER SERVICE AREAS
NELSON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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)	50.000
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
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	$600,000	Nelson	24	4
SX21179018	Nelson County Industrial Park Wastewater Project	3-5 Years	Not Funded	$300,000	Nelson	29	3
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
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	$600,000	Nelson	24	4

System Summary for Bloomfield Wastewater Collection System

Permit ID	KYP000086	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	457
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	50.000
Cost Per 4000 Gallons	$26.66	Total KISOP Treated (MG)	-
Residential Customers	422	Total Treated (MG)	-
Commercial Customers	34	Number of Manholes	216
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: 11.28 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).			

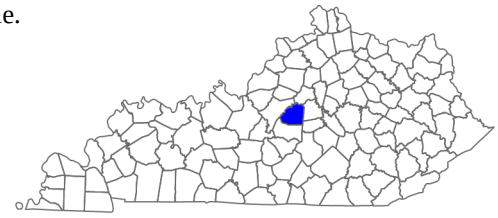
MG = Million Gallons.
MGD = Million Gallons per Day.

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	2	2
SX21179013	New Haven - WWTP Improvements Projects	3-5 Years	Not Funded	$1,136,000	Nelson	6	1
SX21179025	New Haven Outfall to Rolling Fork	3-5 Years	Not Funded	$240,000	Nelson	12	5
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 33.47 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: $6,470,945.
- 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 170 serviceable households will be added through the construction of 7.00 miles of sewer line extensions. 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	170	-	7.00	-	11.00
Totals:	**4**	**$6,470,945**	**170**	**-**	**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	2,705	1,308
		Totals:	2,705	1,308

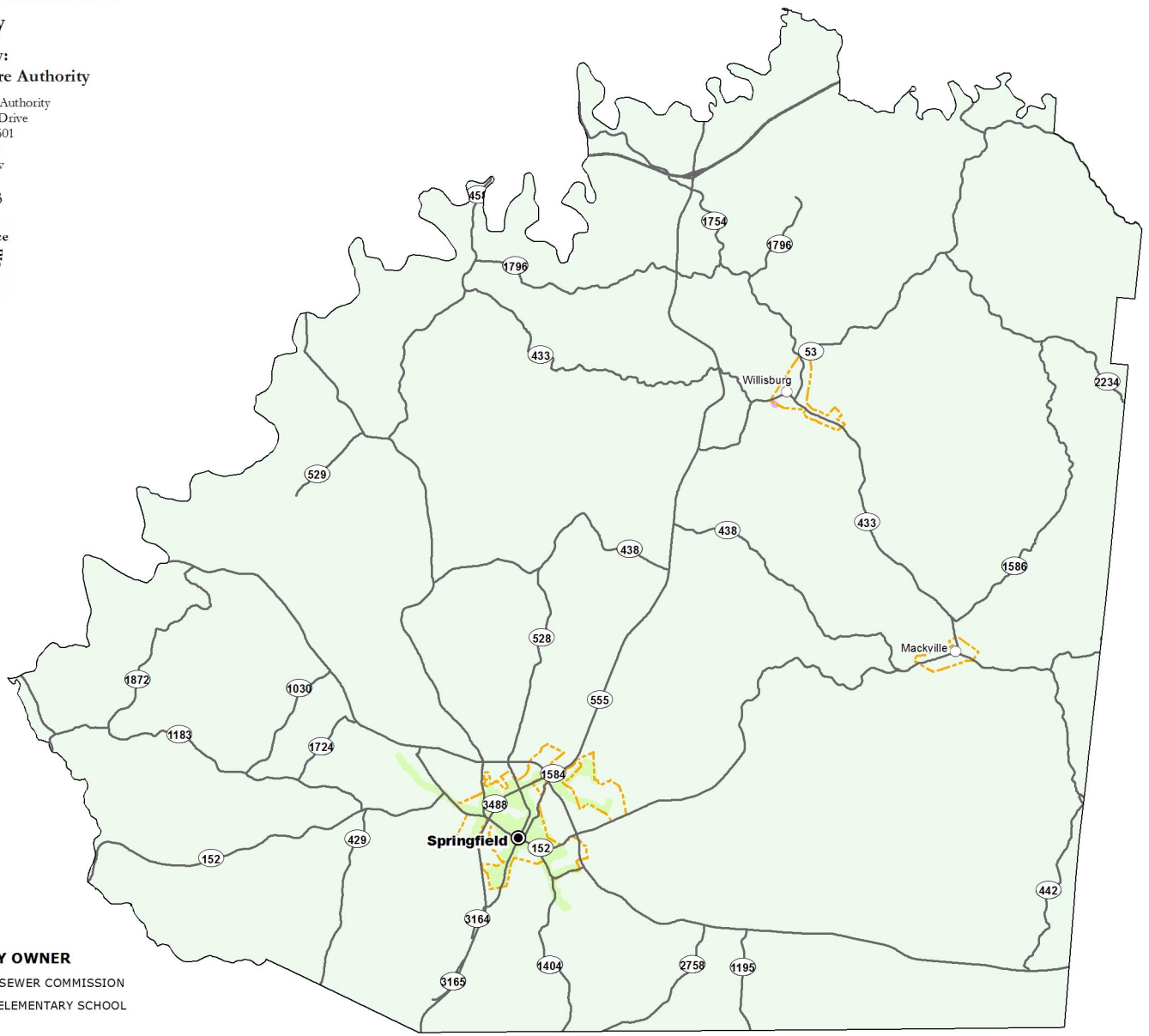
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
WASHINGTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	1,080	Total Treated (MG)	224.200
Commercial Customers	181	Number of Manholes	624
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	12	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed

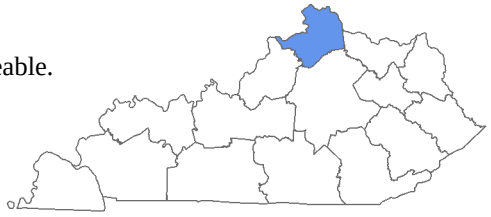
Total Collection System Line Length = 33.45 miles (Collection: 27.03 miles, Interceptors: 6.42 miles).

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
SX21229003	Springfield Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	$1,920,945	Washington	8	1
SX21229006	Springfield - Washington County Regional Sewer Study	3-5 Years	Not Funded	$150,000	Washington	17	2
SX21229005	Willisburg Wastewater Project	3-5 Years	Not Funded	$3,400,000	Washington	20	3
SX21229004	Springfield, Jim Town Project	3-5 Years	Not Funded	$1,000,000	Washington	21	4

Northern Kentucky Area Development District (NKADD)



- 2010 census population of 438,647 (185,049 households) with 81% serviceable.
- Projected 2020 population of 488,377 (change of 49,730).
- 2,093.90 miles of existing sewer lines.
- 42.00 miles of line extensions proposed in the next 10 years.
- 14.00 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: $47,607,511.
- There are no projects planned from 6 to 10 years.
- Average age of wastewater treatment plants is 22 years.
- Total number of interconnected systems is 3.
- 108 miles of sewer lines less than 15 years old.
- 676 miles of sewer lines between 15 and 30 years old.
- 683 miles of sewer lines between 31 and 50 years old.
- 411 miles of sewer lines between 51 and 70 years old.
- 219 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 81 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,482 serviceable households will be added through the construction of 42.00 miles of sewer line extensions and approximately 5,119 instances of improved service through the rehabilitation of 14.00 miles of existing sewer lines and other appurtenances. 10.00 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	39,806	86%	$ 7,229,050
Campbell	90,336	39,523	91,642	37,713	34,598	88%	-
Carroll	10,811	4,696	11,440	4,408	3,037	65%	$ 8,651,295
Gallatin	8,589	3,786	9,264	3,592	1,204	32%	$ 5,591,673
Grant	24,662	9,942	26,917	9,870	4,168	42%	$ 9,903,770
Kenton	159,720	68,975	168,458	68,111	64,499	94%	$ 4,757,456
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%	$ 8,657,262
Totals	**438,647**	**185,049**	**488,377**	**194,345**	**149,821**	**81%**	**$ 47,607,511**

Kentucky Infrastructure Authority
February 19, 2016

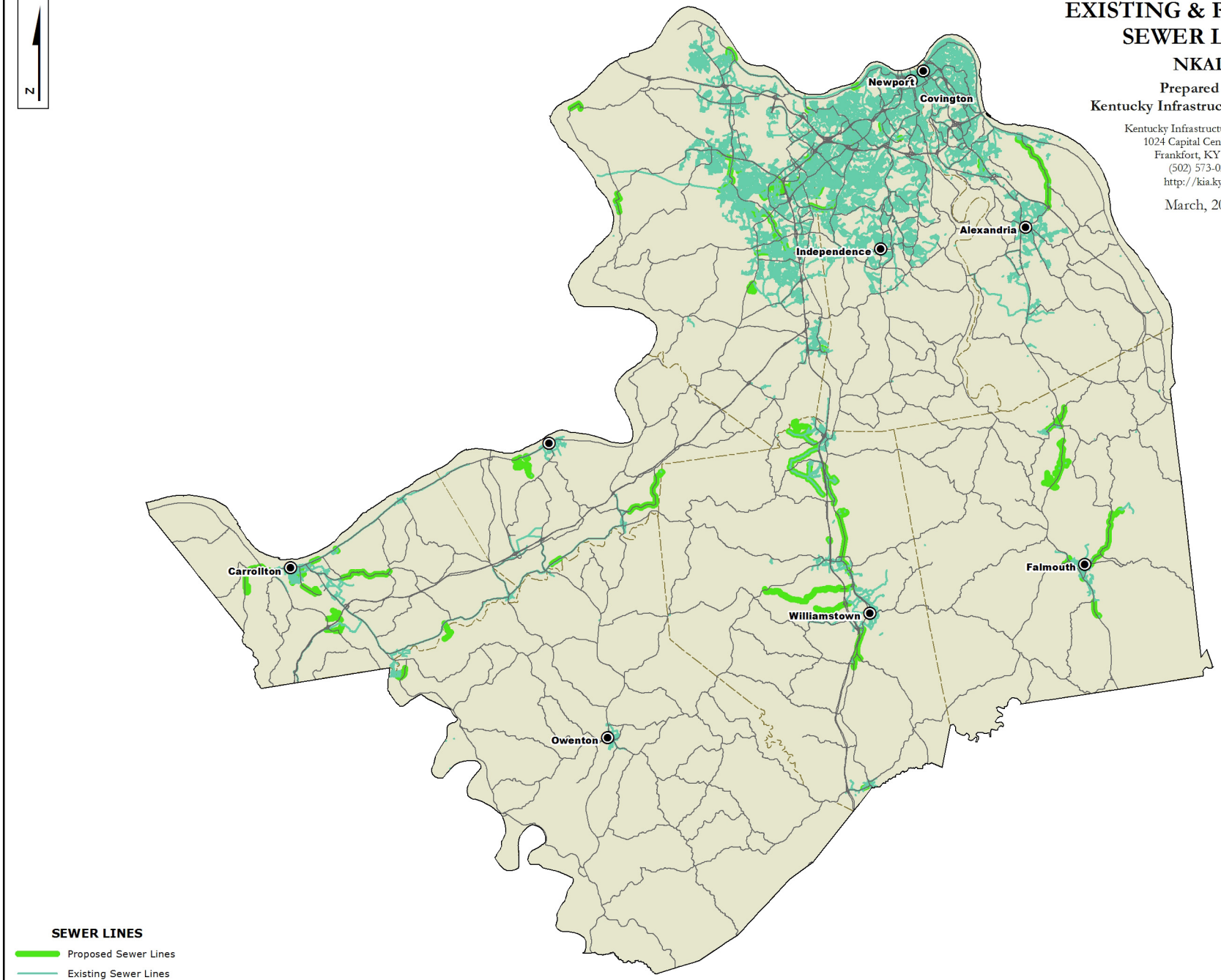
EXISTING & PROPOSED SEWER LINES

NKADD

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



Public Sewer Systems in the Northern Kentucky Area Development District

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

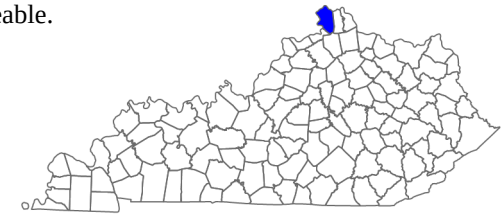
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000015	Florence Water & Sewer Commission	Boone	27,934	12,251
KY0094072	SD1 - Rivershore Farms Subdivision	Boone	660	222
KY0093025	SD1 - Verona Commons Subdivision	Boone	87	27
KY0107239	SD1 - Western Reg Water Reclam Fac	Boone	55,422	20,684
KY0039756	Walton Wastewater System	Boone	3,898	1,540
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	5,266	1,988
KY0109991	Williamstown Regional WRF	Grant	3,233	1,207
KY0075833	Bel Aire Subdivision	Kenton	102	36
KY0021466	SD1 - Dry Creek	Kenton	228,583	99,565
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:	355,099	150,138

Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21191007	City of Butler Sewer System Rehabilitation Project	0-2 Years	Not Funded	$560,000	Pendleton	1	1
SX21081001	City of Dry Ridge - US-25 Sewer System Expansion	0-2 Years	Not Funded	$1,640,000	Grant	2	1
SX21041105	Carrollton Utilities - Carrollton Sewer Extensions	3-5 Years	Not Funded	$286,618	Carroll	3	1
SX21015005	Sand Run Rehab Project	0-2 Years	Unknown	$0	Boone	4	1
SX21081503	City of Dry Ridge - 2008 Sewer Line Extension	3-5 Years	Not Funded	$874,000	Grant	5	3
SX21015301	Boone County - Twin Lakes Sanitary Sewer Project	0-2 Years	Not Funded	$2,093,280	Boone	6	2
SX21081305	GCSSD - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	$913,300	Grant	7	2
SX21015007	Northern Boone County Sanitary Sewer Expansion	0-2 Years	Unknown	$0	Boone	8	3
			Total Cost:	**$6,367,198**			

Boone County

- 2010 census population of 118,811 (46,154 households) with 86% serviceable.
- Projected 2020 population of 153,933 (change of 35,122).
- Boone County has 590.81 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $7,229,050.
- 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 86 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 1.00 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	2	$4,182,280	145	76	-	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:	**6**	**$7,229,050**	**247**	**2,485**	**1.00**	**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	26,984	11,850
KY0094072	SD1 - Rivershore Farms Subdivision	Boone	660	222
KY0093025	SD1 - Verona Commons Subdivision	Boone	87	27
KY0107239	SD1 - Western Reg Water Reclam Fac	Boone	55,422	20,684
KY0039756	Walton Wastewater System	Boone	3,774	1,489
KY0021466	SD1 - Dry Creek	Kenton	15,887	5,519
		Totals:	102,814	39,791

Kentucky Infrastructure Authority
February 19, 2016

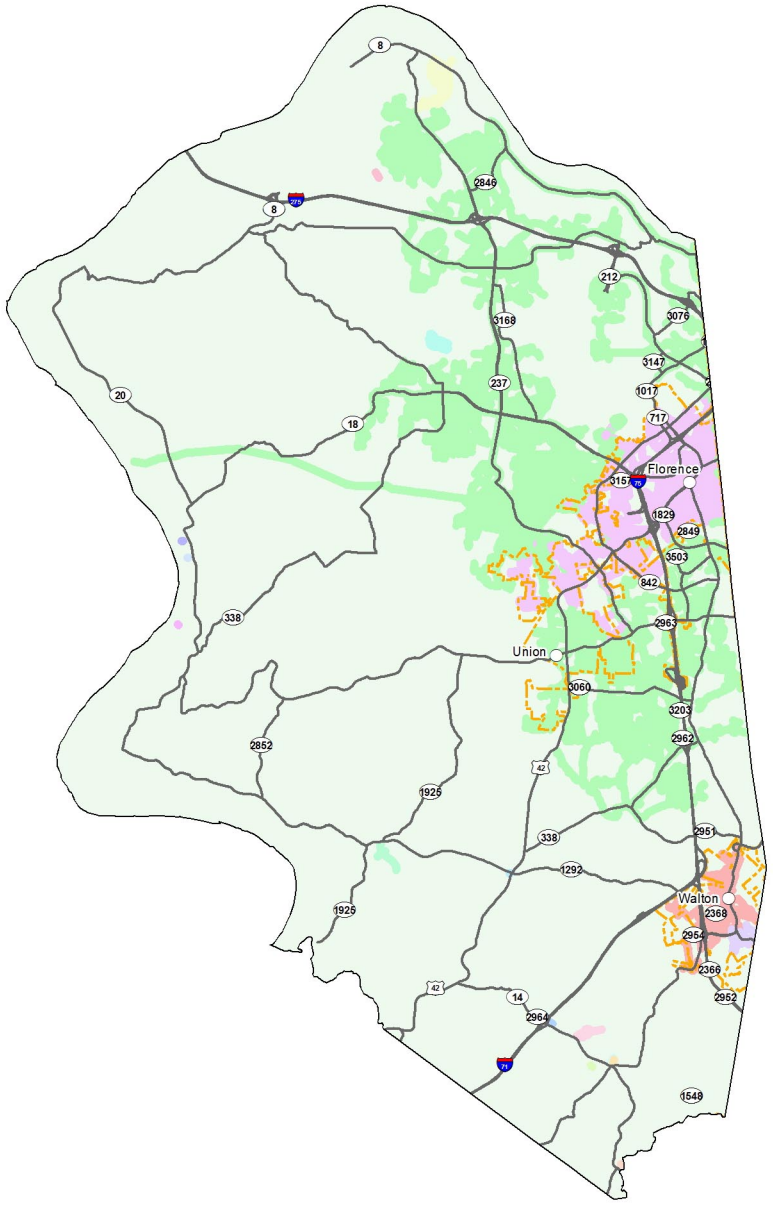
SEWER SERVICE AREAS
BOONE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 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 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	350
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

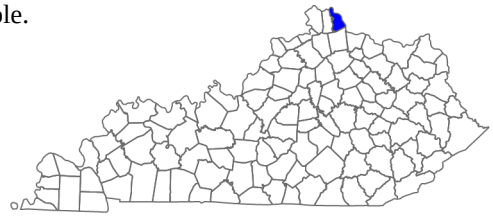
Permit ID	KY0039756	Treats Wastewater	Yes, 0.85 MGD with 0.22 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,176
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.54	Total KISOP Treated (MG)	-
Residential Customers	1,080	Total 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 430.45 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.



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. There are no projects proposed for this county over the next 10 years.

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
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:	77,610	34,576

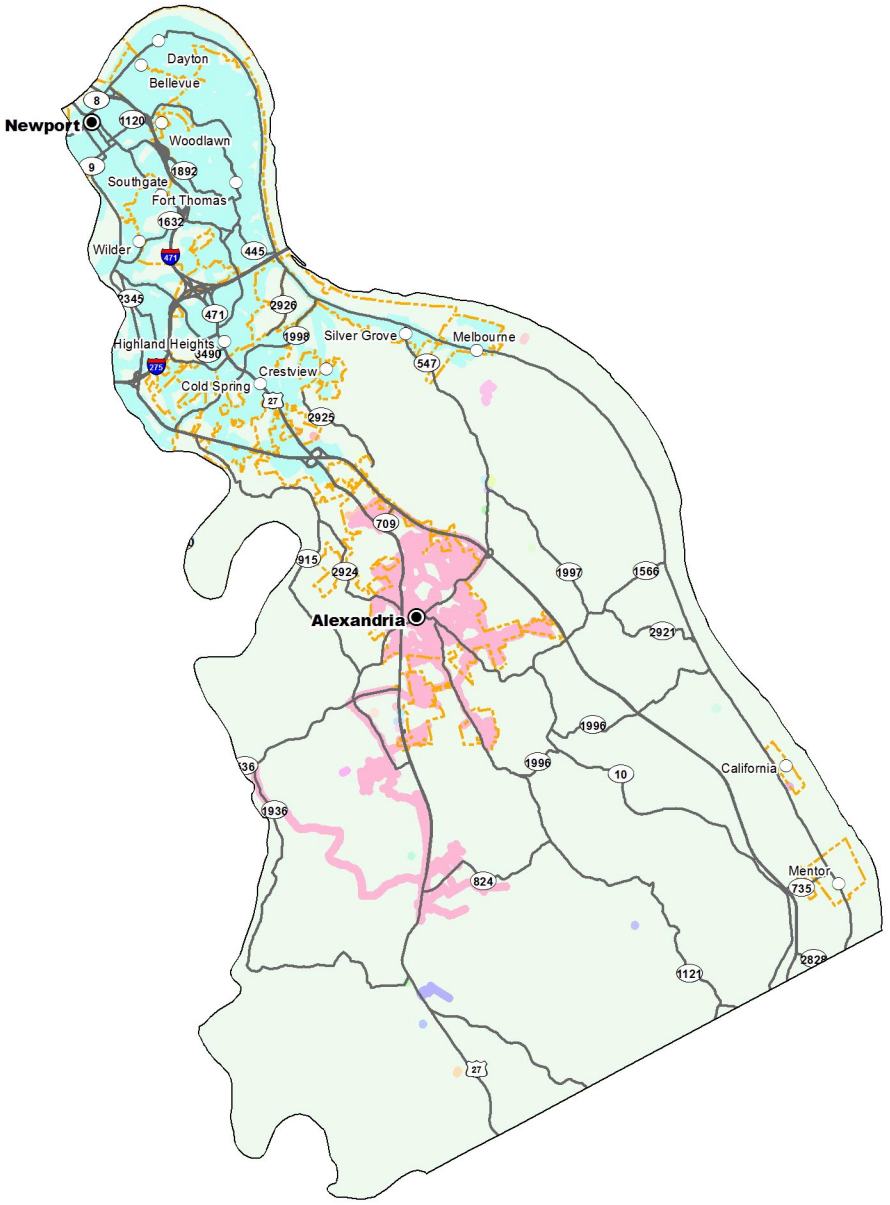
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CAMPBELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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 = 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 Beacon Hill Estates

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 = 0.01 miles (Collection: 0.01 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 = 0.01 miles (Collection: 0.01 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 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 Royal Oak Subdivision

Permit ID	KY0094439	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 = 0.03 miles (Collection: 0.03 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 SD1 - Eastern Regional STP

Permit ID	KY0105031	Treats Wastewater	Yes, 4 MGD with 3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	12,000
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 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.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $8,651,295.
- 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. 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			
Carroll County Fiscal Court	3	$5,905,947	329	116	8.00	6.00	2.00
City of Carrollton	2	$2,407,544	3	8	2.00	-	-
Owen County Fiscal Court	1	$337,804	1	-	-	-	-
Totals:	**6**	**$8,651,295**	**333**	**124**	**10.00**	**6.00**	**2.00**

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

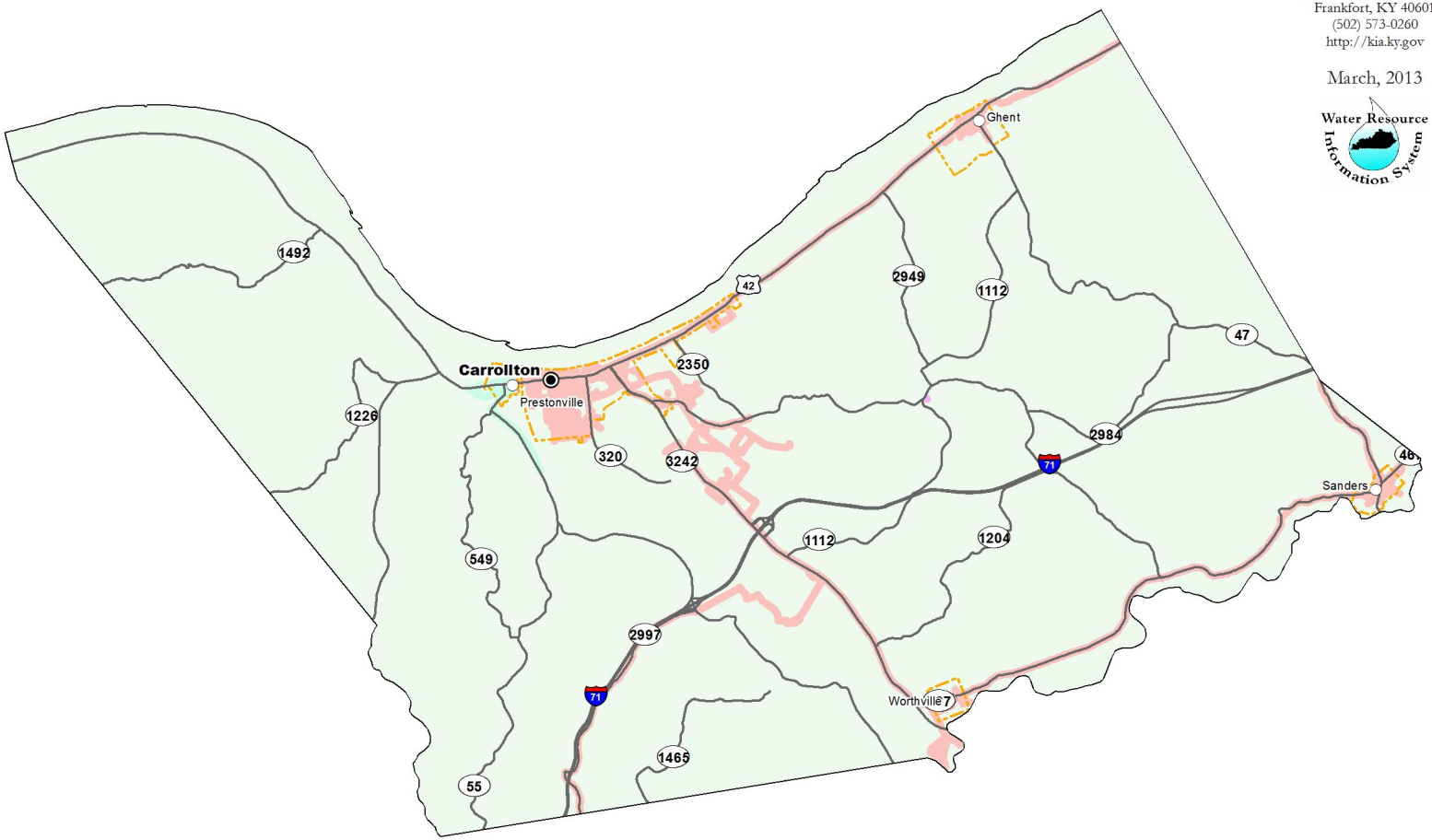
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CARROLL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 = 139.83 miles (Collection: 66.67 miles, Interceptors: 73.15 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
SX21103014	I-71 Exit 34 Sewer Extension	0-2 Years	Not Funded	$303,479	Henry	11	2
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

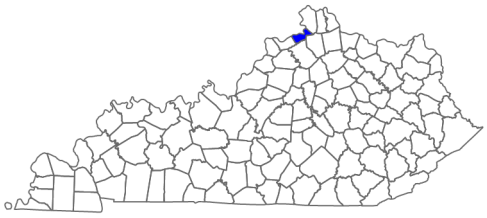
Permit ID	KYP000056	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$40.17	Total KISOP Treated (MG)	-
Residential Customers	66	Total Treated (MG)	-
Commercial 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

Gallatin County

- 2010 census population of 8,589 (3,786 households) with 32% serviceable.
- Projected 2020 population of 9,264 (change of 675).
- Gallatin County has 42.66 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.
- 6.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $5,591,673.
- 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 32 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. 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 Carrollton	1	$2,120,926	-	-	-	-	-
Gallatin County Fiscal Court	3	$3,470,747	92	40	2.00	-	6.00
Totals:	**4**	**$5,591,673**	**92**	**40**	**2.00**	**-**	**6.00**

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

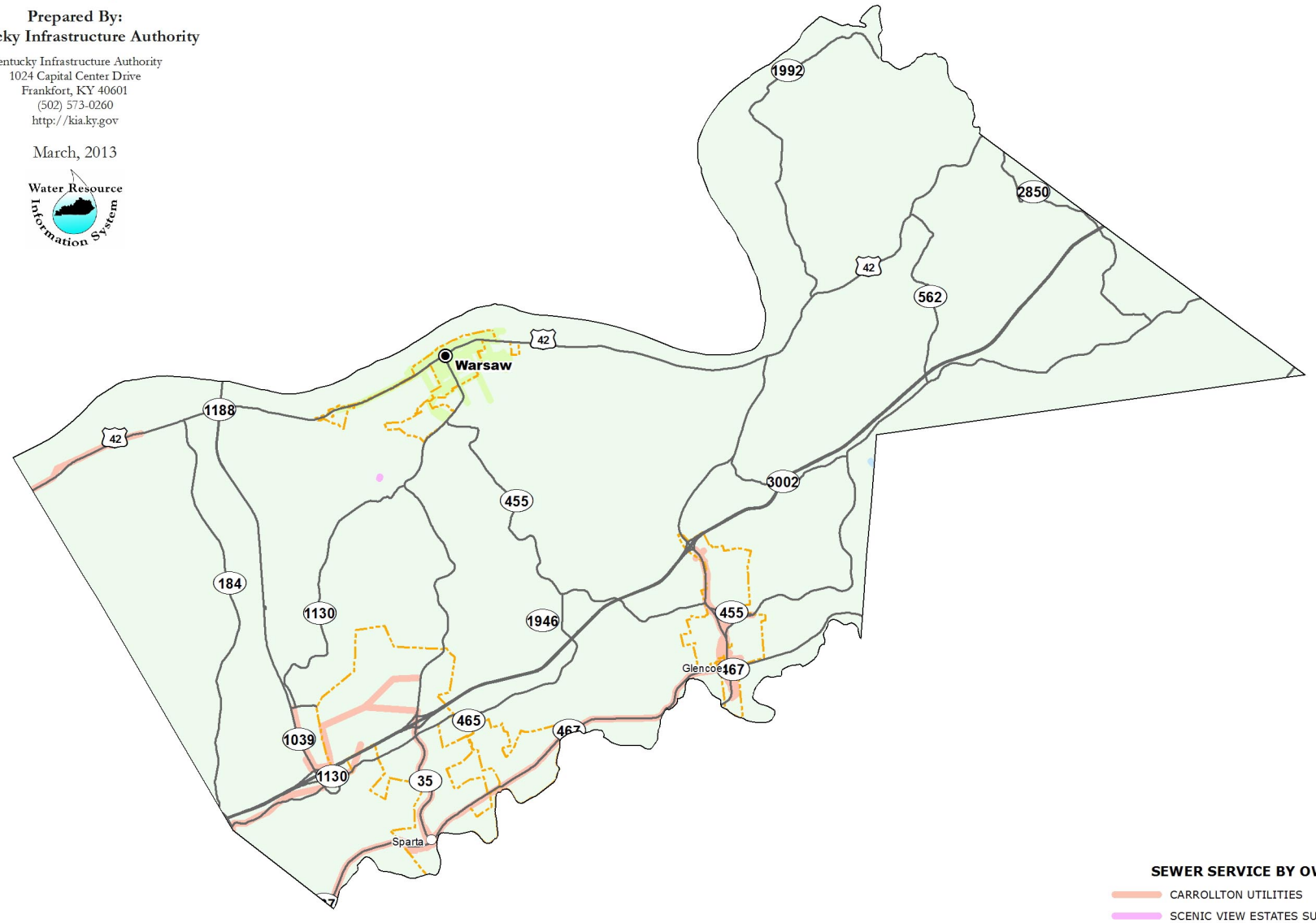
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
GALLATIN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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).			

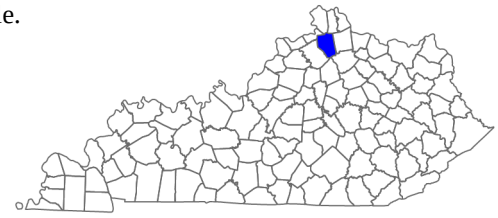
MG = Million Gallons.
MGD = Million Gallons per Day.

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 42% serviceable.
- Projected 2020 population of 26,917 (change of 2,255).
- Grant County has 102.27 miles of existing sewer lines.
- 11.00 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: $9,903,770.
- 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 42 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 1,200 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 Corinth	1	$98,670	-	-	-	-	-
City of Dry Ridge	3	$1,447,000	1	-	-	-	-
City of Williamstown	1	$6,144,800	157	-	11.00	-	-
Gallatin County Fiscal Court	1	$1,300,000	-	-	-	-	-
Grant County Sanitary Sewer District	1	$913,300	-	1,200	-	-	-
Totals:	**7**	**$9,903,770**	**158**	**1,200**	**11.00**	**-**	**-**

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	5,182	1,960
KY0109991	Williamstown Regional WRF	Grant	3,233	1,207
		Totals:	10,884	4,168

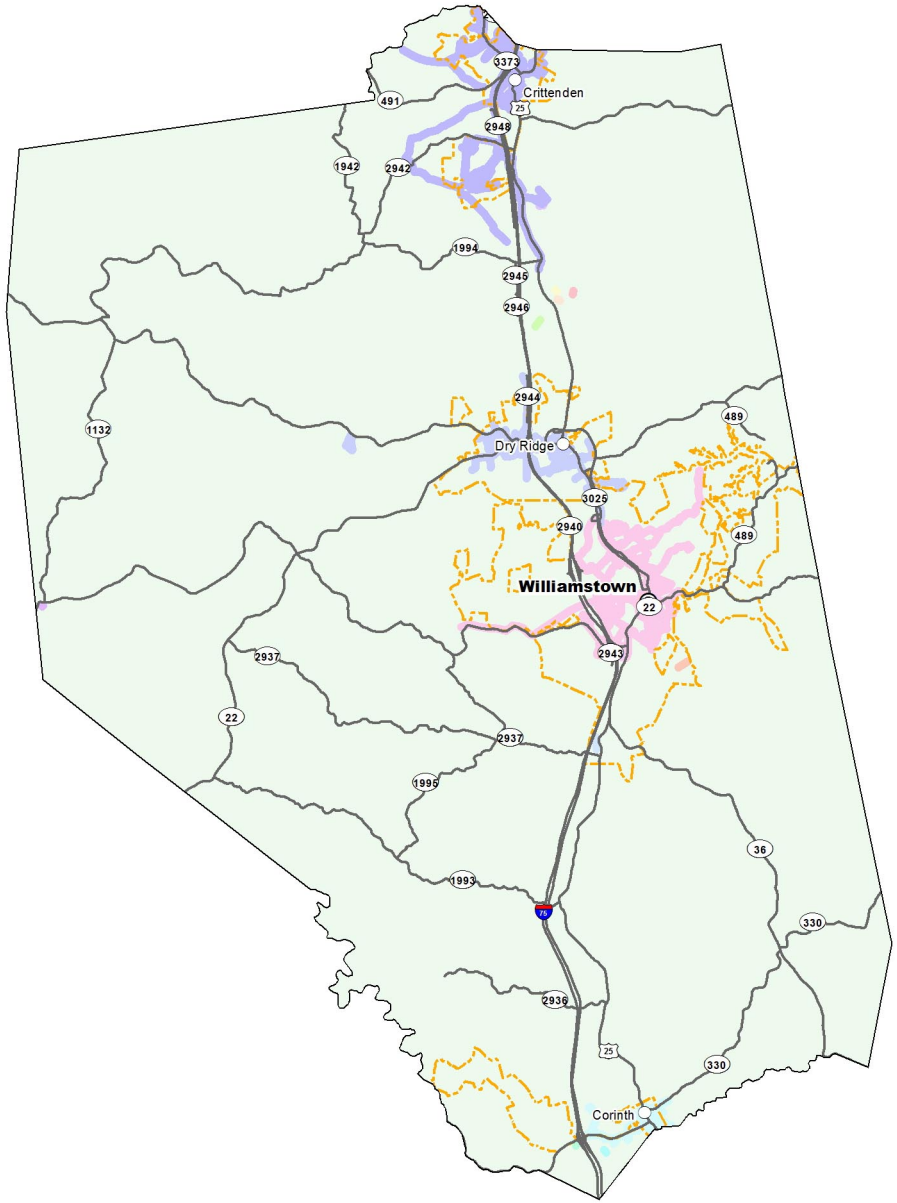
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
GRANT COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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 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 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: 0.82 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
SX21081503	City of Dry Ridge - 2008 Sewer Line Extension	3-5 Years	Not Funded	$874,000	Grant	5	3
SX21081502	City of Dry Ridge - 2008 Sewer System Improvements	3-5 Years	Not Funded	$423,000	Grant		
SX21081302	Dry Ridge Sewer Pump Stations C & D Upgrades	3-5 Years	Not Funded	$150,000	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 = 42.30 miles (Collection: 42.30 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	7	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 = 0.02 miles (Collection: 0.02 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 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 = 35.33 miles (Collection: 32.47 miles, Interceptors: 2.86 miles).			

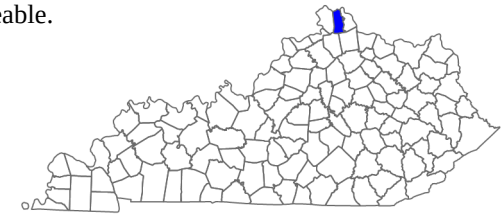
MG = Million Gallons.
MGD = Million Gallons per Day.

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		

Kenton County

- 2010 census population of 159,720 (68,975 households) with 94% 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: $4,757,456.
- 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 94 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 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	1	$3,240,000	-	-	-	-	-
Totals:	**3**	**$4,757,456**	**35**	**1**	**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	102	36
KY0021466	SD1 - Dry Creek	Kenton	147,034	63,985
KYP000015	Florence Water & Sewer Commission	Boone	950	401
KY0039756	Walton Wastewater System	Boone	124	51
KY0091634	Grant County Sanitary Sewer District	Grant	78	26
		Totals:	148,288	64,499

Kentucky Infrastructure Authority
February 19, 2016

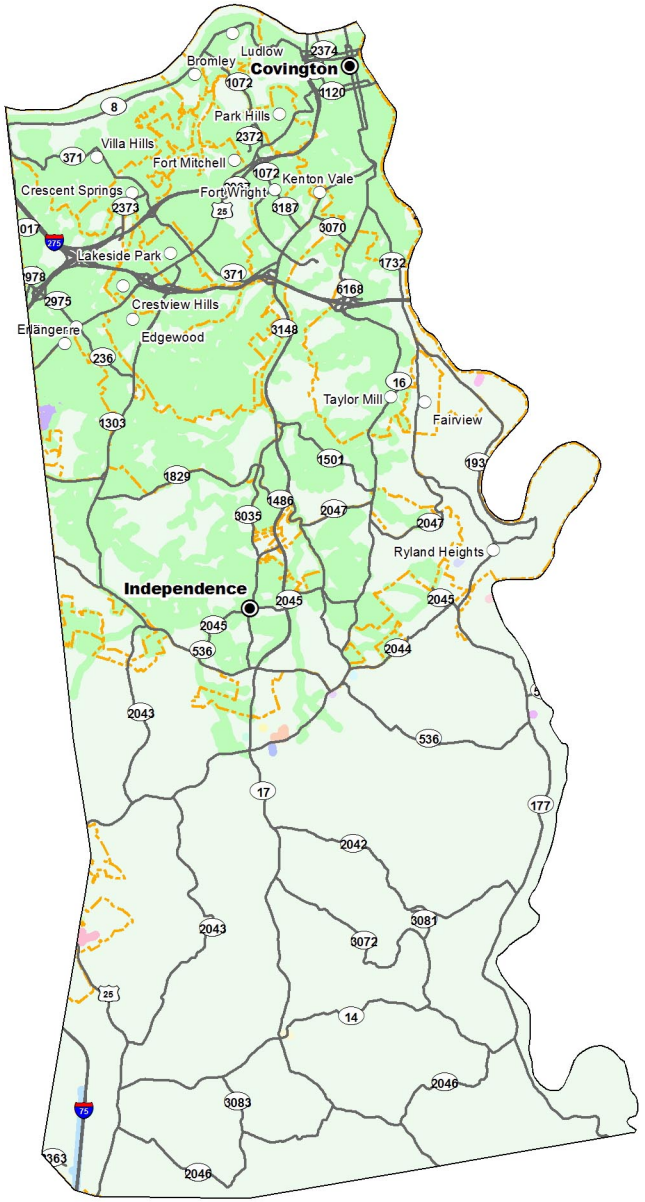
SEWER SERVICE AREAS
KENTON COUNTY
Kentucky

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



N

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 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 = 0.61 miles (Collection: 0.61 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 SD1 - Dry Creek

Permit ID	KY0021466	Treats Wastewater	Yes, 46.5 MGD with 34.91 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	231,743
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
SX21015301	Boone County - Twin Lakes Sanitary Sewer Project	0-2 Years	Not Funded	$2,093,280	Boone	6	2
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		
SX21015003	SD1 - Sand Run PS Influent Sewer Improvements	0-2 Years	Partially Funded	$1,137,020	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

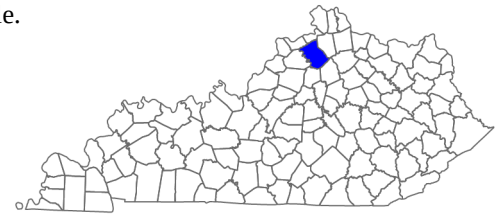
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles).

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

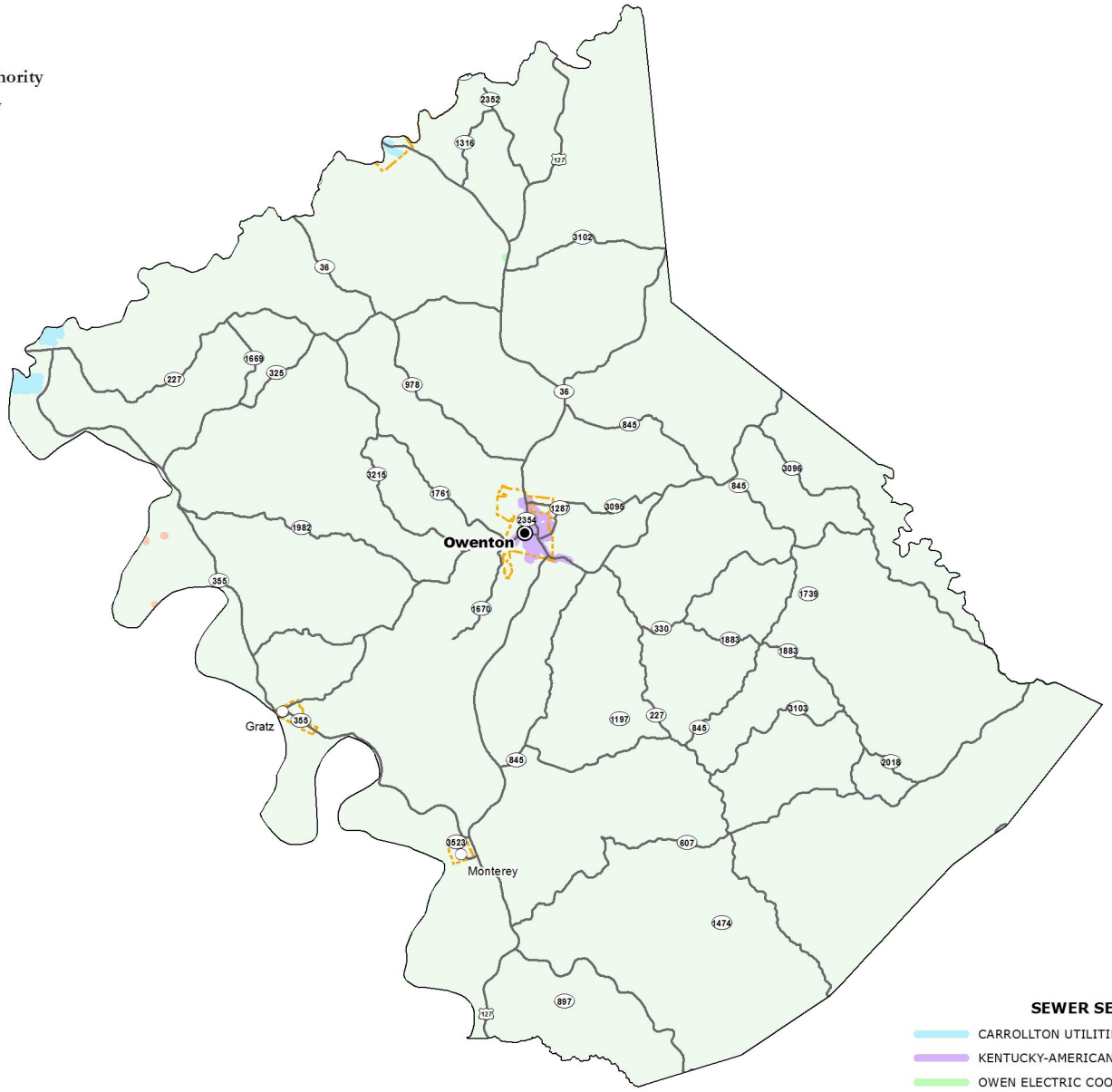
Kentucky Infrastructure Authority
February 19, 2016

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



System Summary for Kentucky-American Water Company - Northern Division

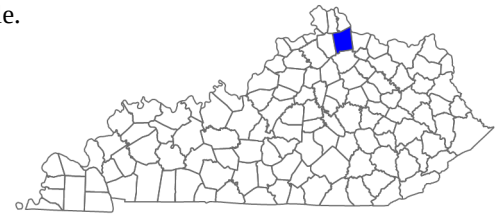
Permit ID	KY0028312	Treats Wastewater	Yes, 0.34 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	594
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	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

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 28.21 miles of existing sewer lines.
- 14.00 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: $8,657,262.
- 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 1,269 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 Butler	2	$1,108,709	260	35	-	3.00	-
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:	**8**	**$8,657,262**	**579**	**1,269**	**14.00**	**4.00**	**-**

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

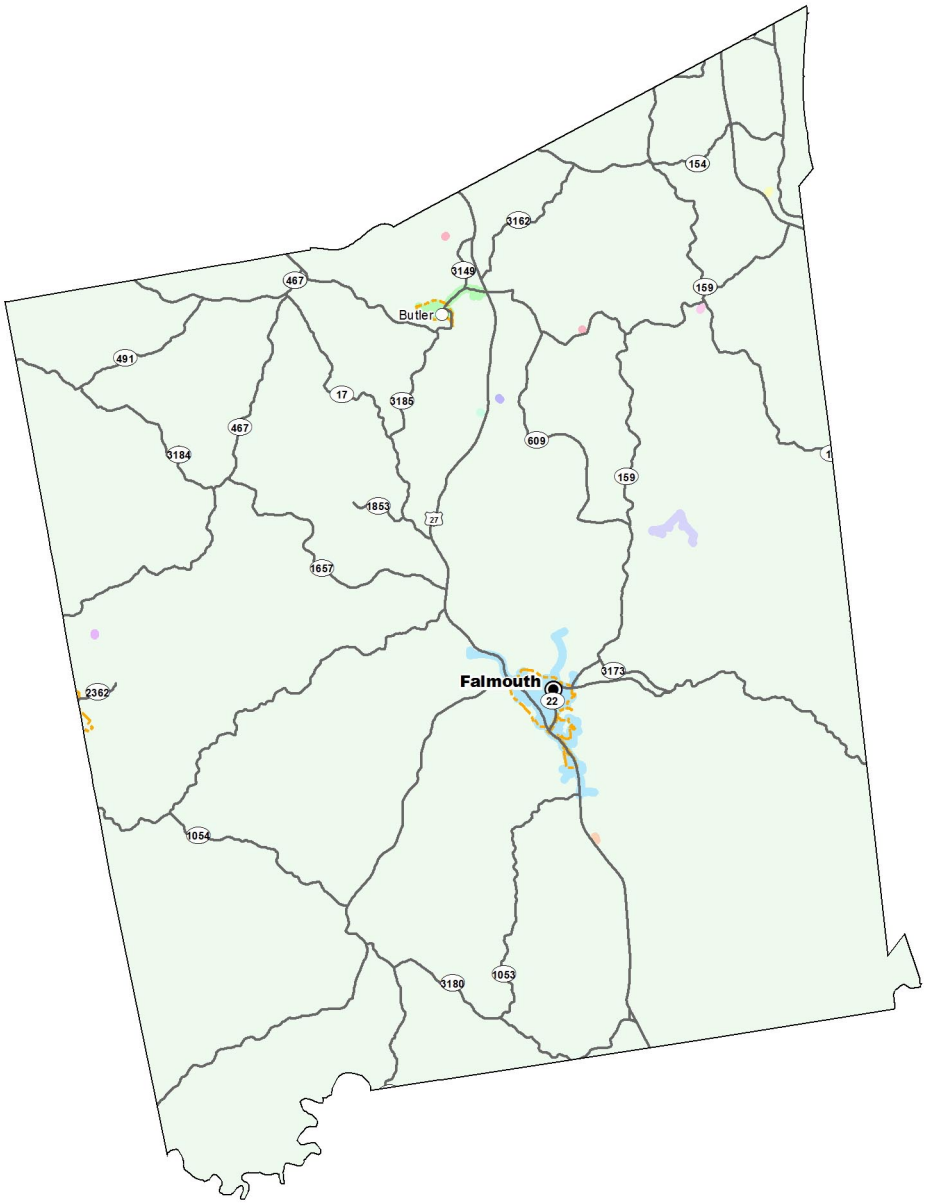
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
PENDLETON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



N

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 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	$26.08	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
SX21191007	City of Butler Sewer System Rehabilitation Project	0-2 Years	Not Funded	$560,000	Pendleton	1	1
SX21191002	Sewer U.S. 27 to Sharp Middle School	0-2 Years	Not Funded	$3,241,024	Pendleton		
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).			

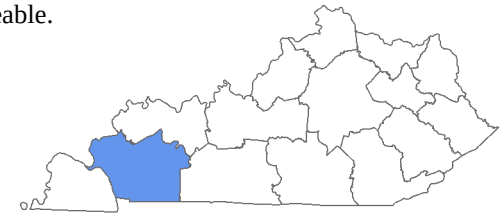
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21191312	Kincaid State Park Lodge Sewer Main Construction Project	3-5 Years	Not Funded	$1,560,000	Pendleton		
SX21191005	Sanitary Sewer and Stormwater Improvements	0-2 Years	Not Funded	$1,151,449	Pendleton		
SX21191004	WWTP Lagoon Aerator Augmentation	0-2 Years	Not Funded	$504,715	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		

Pennyrile Area Development District (PEADD)

- 2010 census population of 219,305 (97,910 households) with 51% serviceable.
- Projected 2020 population of 226,580 (change of 7,275).
- 1,025.41 miles of existing sewer lines.
- 33.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 38.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $111,896,940.
- Estimated funding needs for projects from 6 to 10 years: $26,116,902.
- Average age of wastewater treatment plants is 38 years.
- Total number of interconnected systems is 7.
- 132 miles of sewer lines less than 15 years old.
- 131 miles of sewer lines between 15 and 30 years old.
- 160 miles of sewer lines between 31 and 50 years old.
- 200 miles of sewer lines between 51 and 70 years old.
- 402 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 51 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,150 serviceable households will be added through the construction of 33.00 miles of sewer line extensions and approximately 30,269 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 38.00 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	3,236	51%	$ 2,495,000
Christian	73,955	29,459	77,840	28,340	19,450	66%	$ 66,897,202
Crittenden	9,315	4,569	9,156	3,775	1,565	34%	$ 12,084,960
Hopkins	46,920	21,180	48,007	19,684	13,777	65%	$ 13,054,380
Livingston	9,519	4,824	9,438	4,074	2,020	42%	$ 7,518,000
Lyon	8,314	4,791	8,523	3,430	1,602	33%	$ 500,000
Muhlenberg	31,499	13,699	31,466	12,337	5,315	39%	$ 24,100,000
Todd	12,460	5,286	12,958	4,989	1,723	33%	$ 11,364,300
Trigg	14,339	7,810	16,244	6,986	1,444	19%	-
Totals	**219,305**	**97,910**	**226,580**	**89,133**	**50,132**	**51%**	**$ 138,013,842**

Kentucky Infrastructure Authority
February 19, 2016

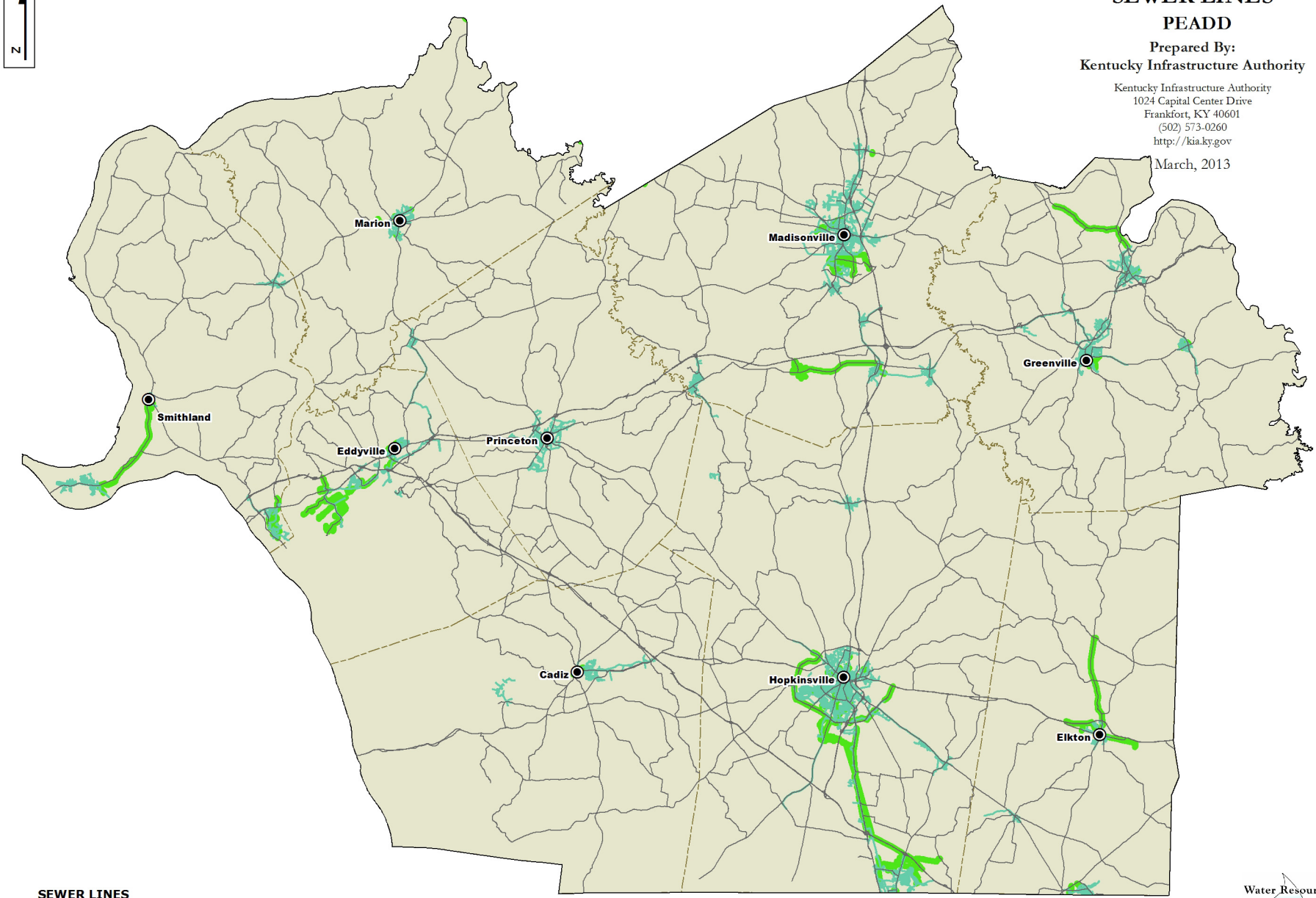
EXISTING & PROPOSED SEWER LINES

PEADD

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	417	204
KY0028401	Princeton Water & Wastewater Commission	Caldwell	6,147	3,032
KY0066591	Hopkinsville Water Environment Authority - Crofton	Christian	974	476
KY0066532	Hopkinsville Water Environment Authority - Hammond Wood	Christian	34,626	15,695
KY0094056	Hopkinsville Water Environment Authority - Oak Grove	Christian	7,317	3,273
KY0020061	Marion Water Department	Crittenden	3,175	1,565
KY0023868	Dawson Springs Water & Sewer System	Hopkins	2,674	1,274
KYP000043	Earlington Water & Sewer Department	Hopkins	1,387	705
KYP000047	Hanson Water System	Hopkins	877	359
KY0098043	Madisonville Municipal Utilities	Hopkins	21,419	9,943
KYP000050	Mortons Gap Water Department	Hopkins	915	422
KY0066583	Nortonville Sewer Department	Hopkins	1,628	731
KYP000062	White Plains Sewer Department	Hopkins	796	347
KY0027227	Grand Rivers Water System	Livingston	867	603
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	2,193	897
KY0020419	Kuttawa Water Department	Lyon	897	591
KYP000079	Lyon County Water District	Lyon	123	114
KY0023540	Central City Municipal Water & Sewer System	Muhlenberg	5,871	2,285
KY0066575	Drakesboro Water & Sewer	Muhlenberg	885	406
KY0020010	Greenville Utilities Commission	Muhlenberg	5,494	2,280
KYP000064	Powderly Sewer System	Muhlenberg	716	344
KY0023442	Elkton Utilities	Todd	2,104	933
KY0063649	Guthrie Water Works	Todd	1,334	603
KY0020982	Trenton Water Works	Todd	386	187
KY0026891	Cadiz Water & Sewer Commission	Trigg	2,979	1,423
		Totals:	109,197	50,109

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	Not Funded	$11,276,960	Crittenden	1	1
SX21107025	Sanitary Sewer System Rehabilitation and WWTP Improvements	0-2 Years	Not Funded	$1,901,000	Hopkins	2	1
SX21143008	City of Kuttawa - Wastewater System Rehabilitation	3-5 Years	Partially Funded	$200,000	Lyon	3	2
SX21107022	Madisonville - Hanson Relief Interceptor	3-5 Years	Not Funded	$5,433,001	Hopkins	4	3
SX21047028	HWEA SRF Phase VIII - Expand Hammond-Wood WWTP & Interceptor	0-2 Years	Not Funded	$39,324,000	Christian	5	1
SX21139012	City of Smithland - Ledbetter Interceptor	6-10 Years	Not Funded	$3,551,000	Livingston	6	2
SX21033006	Fredonia - Lift Station Improvements	3-5 Years	Not Funded	$175,000	Caldwell	7	1
SX21047011	HWEA - Oak Grove Wastewater Treatment Plant Expansion - Construction	6-10 Years	Not Funded	$3,500,000	Christian	8	2
SX21033009	Princeton-Wastewater Treatment Plant Phosphorus Upgrade	3-5 Years	Not Funded	$870,000	Caldwell	9	2
SX21219021	Elkton - Sewer Plant Improvement Project	3-5 Years	Not Funded	$1,620,000	Todd	10	2
SX21047023	HWEA Oak Grove Village Sewer Project	0-2 Years	Not Funded	$7,500,000	Christian	11	3
SX21143009	City of Kuttawa - Old Kuttawa Pump Station and System Rehab.	3-5 Years	Not Funded	$300,000	Lyon	12	1
SX21139010	Smithland Sewer Rehabilitation	3-5 Years	Not Funded	$1,517,000	Livingston	13	3
SX21219014	Elkton - Sewer Collection System Rehabilitation	3-5 Years	Not Funded	$500,000	Todd	14	3
SX21139011	Grand Rivers - Wastewater System Rehabilitation	0-2 Years	Not Funded	$1,000,000	Livingston	15	4
SX21107009	Madisonville South Main Sewer Interceptor Phase 2	3-5 Years	Not Funded	$1,443,200	Hopkins	16	4
SX21219011	Trenton - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	$1,500,000	Todd	17	4
SX21219012	Elkton - Hwy 181 North Sewer Main Extension	6-10 Years	Not Funded	$750,000	Todd	18	5
SX21047029	HWEA SRF Phase VIII - Rockbridge Interceptor	6-10 Years	Not Funded	$12,328,550	Christian	19	4
SX21139009	Grand Rivers - Sewer Line Extension	3-5 Years	Not Funded	$1,450,000	Livingston	20	5
SX21107010	Madisonville South Main Sewer Interceptor Phase 3	6-10 Years	Not Funded	$1,742,700	Hopkins	21	6
SX21047009	HWEA - Oak Grove Spring Meadows Sewer	6-10 Years	Not Funded	$4,244,652	Christian	22	5
SX21219018	Elkton - Winding Oaks Sewer Project	3-5 Years	Not Funded	$360,000	Todd	23	7
SX21219009	Guthrie - WWTP Expansion	3-5 Years	Not Funded	$7,000,000	Todd	24	8
SX21219019	Elkton - WWTP energy efficiency upgrade	0-2 Years	Not Funded	$82,800	Todd	25	9
SX21219010	Guthrie - WWTP Debt Reduction	3-5 Years	Not Funded	$487,000	Todd	26	10
SX21219013	Todd County Fiscal Court - Lake Malone Sewer Study	3-5 Years	Not Funded	$100,000	Todd	27	11
SX21219015	Guthrie West Industrial Park Sewer Extension	0-2 Years	Not Funded	$500,000	Todd	28	12
			Total Cost:	**$110,656,863**			

Caldwell County

- 2010 census population of 12,984 (6,292 households) with 51% serviceable.
- Projected 2020 population of 12,948 (change of -36).
- Caldwell County has 66.49 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: $2,495,000.
- 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 51 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,540 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 Fredonia	1	$175,000	-	190	-	-	-
Princeton Water & Wastewater Commission	2	$2,320,000	-	3,350	-	-	-
Totals:	**3**	**$2,495,000**	-	**3,540**	-	-	-

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	417	204
KY0028401	Princeton Water & Wastewater Commission	Caldwell	6,147	3,032
		Totals:	6,564	3,236

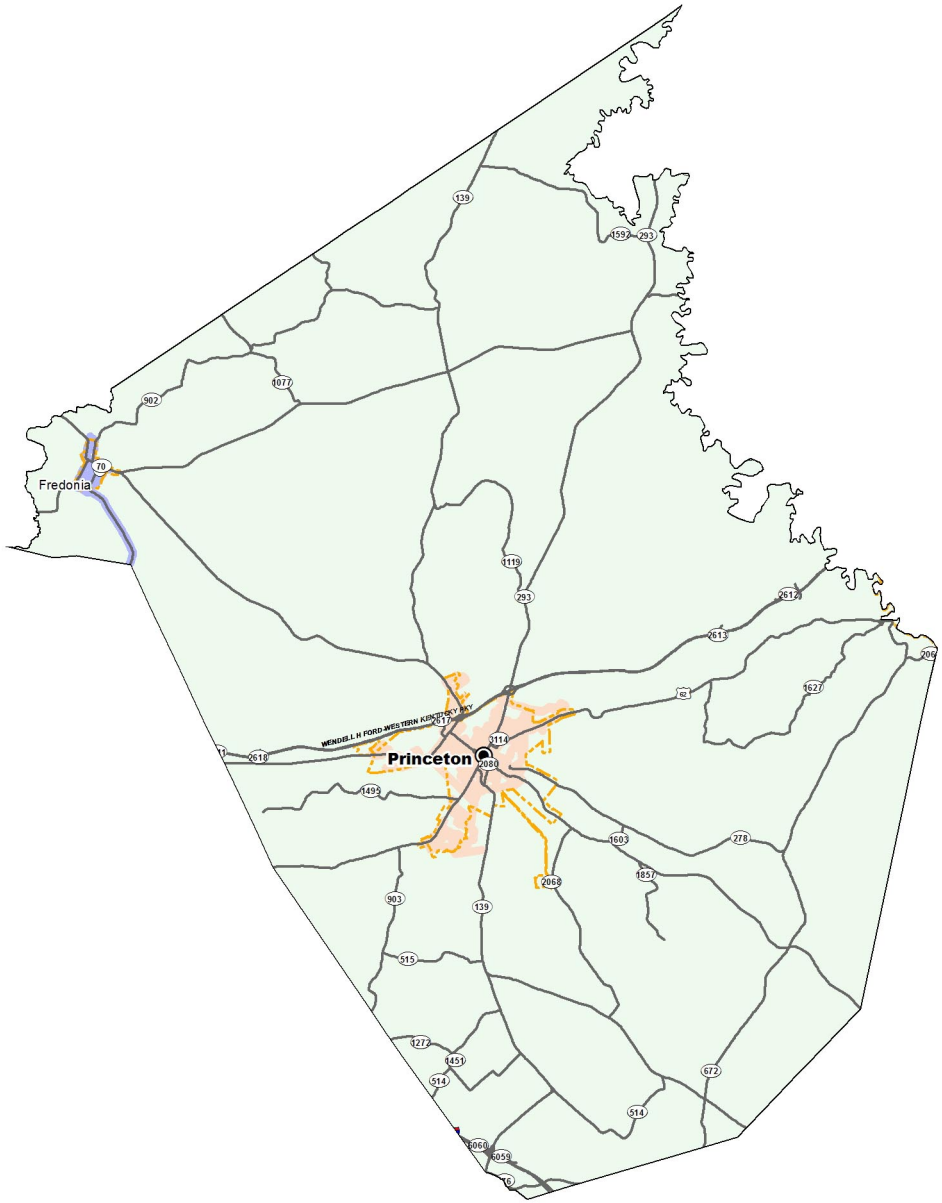
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CALDWELL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	167
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 = 13.24 miles (Collection: 6.84 miles, Interceptors: 6.41 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	$175,000	Caldwell	7	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)	431.339
Commercial Customers	217	Number of Manholes	853
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 = 57.16 miles (Collection: 57.08 miles, Interceptors: 0.08 miles).

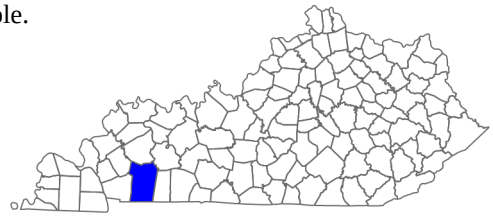
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21033009	Princeton-Wastewater Treatment Plant Phosphorus Upgrade	3-5 Years	Not Funded	$870,000	Caldwell	9	2
SX21033007	Princeton Sewer Rehabilitation Phase II Basins 7 & 8	3-5 Years	Partially Funded	$1,450,000	Caldwell		

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 316.58 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.
- 22.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $46,824,000.
- Estimated funding needs for projects from 6 to 10 years: $20,073,202.



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 13,100 instances of improved service through system wide upgrades. 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	5	$66,897,202	396	13,100	4.00	-	22.00
Totals:	**5**	**$66,897,202**	**396**	**13,100**	**4.00**	**-**	**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	974	476
KY0066532	Hopkinsville Water Environment Authority - Hammond Wood	Christian	34,626	15,695
KY0094056	Hopkinsville Water Environment Authority - Oak Grove	Christian	7,317	3,273
		Totals:	42,917	19,444

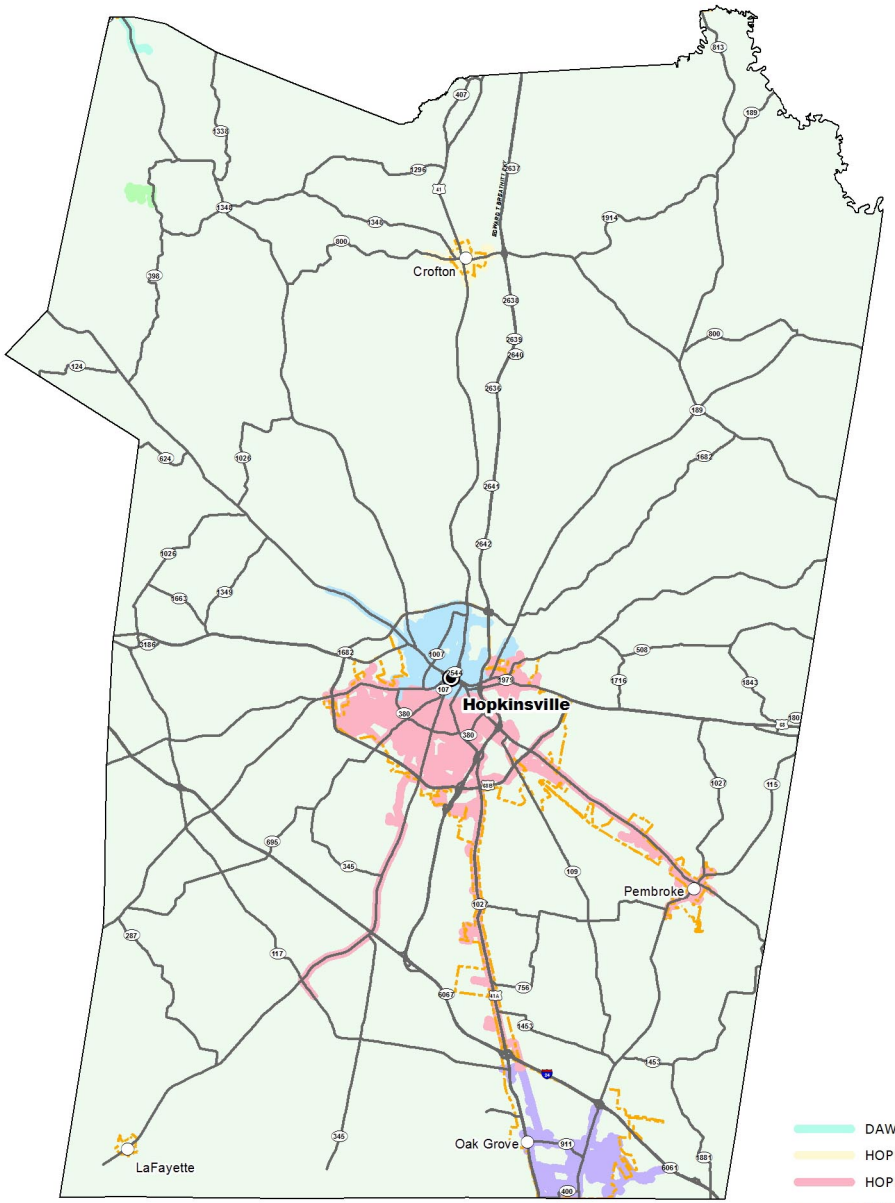
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CHRISTIAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



N

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	309	Total Treated (MG)	29.100
Commercial Customers	43	Number of Manholes	203
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 = 10.94 miles (Collection: 10.78 miles, Interceptors: 0.17 miles).

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

There are no immediate projects for Hopkinsville Water Environment Authority - Crofton

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)	1,351.440
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 = 251.74 miles (Collection: 250.68 miles, Interceptors: 1.06 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	Not Funded	$39,324,000	Christian	5	1
SX21047029	HWEA SRF Phase VIII - Rockbridge Interceptor	6-10 Years	Not Funded	$12,328,550	Christian	19	4

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)	140.300
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 = 49.86 miles (Collection: 49.01 miles, Interceptors: 0.85 miles).

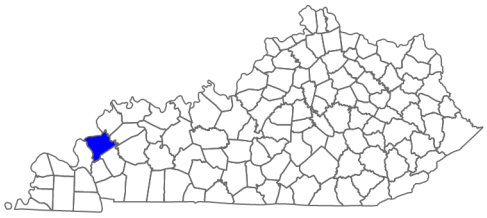
MG = Million Gallons.
MGD = Million Gallons per Day.

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	6-10 Years	Not Funded	$3,500,000	Christian	8	2
SX21047023	HWEA Oak Grove Village Sewer Project	0-2 Years	Not Funded	$7,500,000	Christian	11	3
SX21047009	HWEA - Oak Grove Spring Meadows Sewer	6-10 Years	Not Funded	$4,244,652	Christian	22	5

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 32.53 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: $12,084,960.
- 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 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	$12,084,960	-	3,065	-	-	-
Totals:	**2**	**$12,084,960**	**-**	**3,065**	**-**	**-**	**-**

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	1,565
		Totals:	3,175	1,565

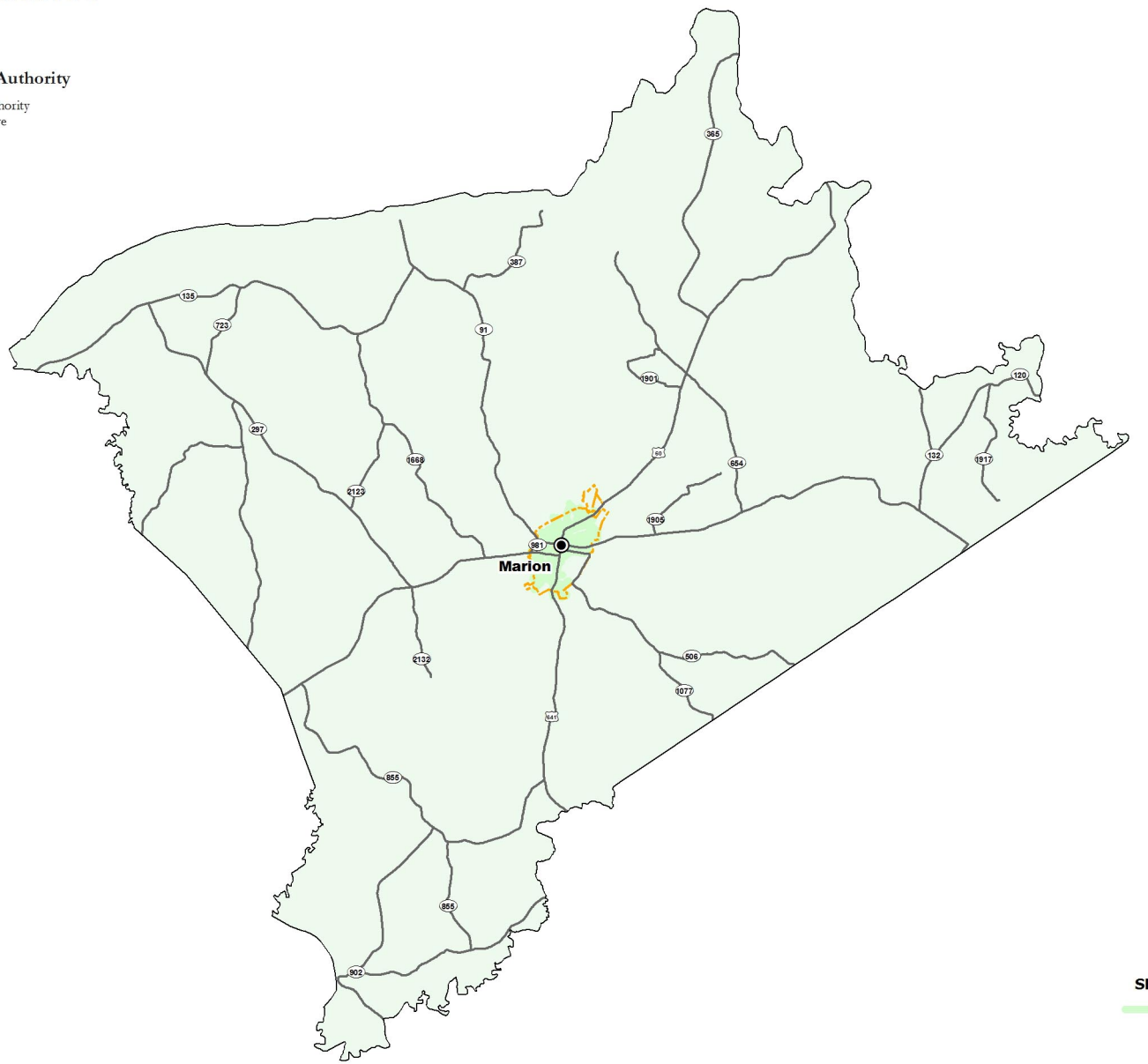
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CRITTENDEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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)	195.550
Commercial Customers	171	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	3	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 32.53 miles (Collection: 32.46 miles, Interceptors: 0.07 miles).			

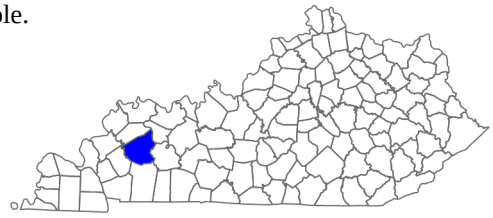
MG = Million Gallons.
MGD = Million Gallons per Day.

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	Not Funded	$11,276,960	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 271.13 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades 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: $11,311,680.
- 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 973 instances of improved service through system wide upgrades. 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 Hanson	2	$348,356	-	301	-	-	-
City of Madisonville	4	$9,086,024	635	279	7.00	-	2.00
City of Mortons Gap	1	$220,000	-	393	-	-	-
City of St Charles	1	$3,400,000	150	-	5.00	-	7.00
Totals:	**8**	**$13,054,380**	**785**	**973**	**12.00**	**-**	**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	1,387	705
KYP000047	Hanson Water System	Hopkins	877	359
KY0098043	Madisonville Municipal Utilities	Hopkins	21,419	9,943
KYP000050	Mortons Gap Water Department	Hopkins	915	422
KY0066583	Nortonville Sewer Department	Hopkins	1,628	731
KYP000062	White Plains Sewer Department	Hopkins	796	347
		Totals:	29,692	13,777

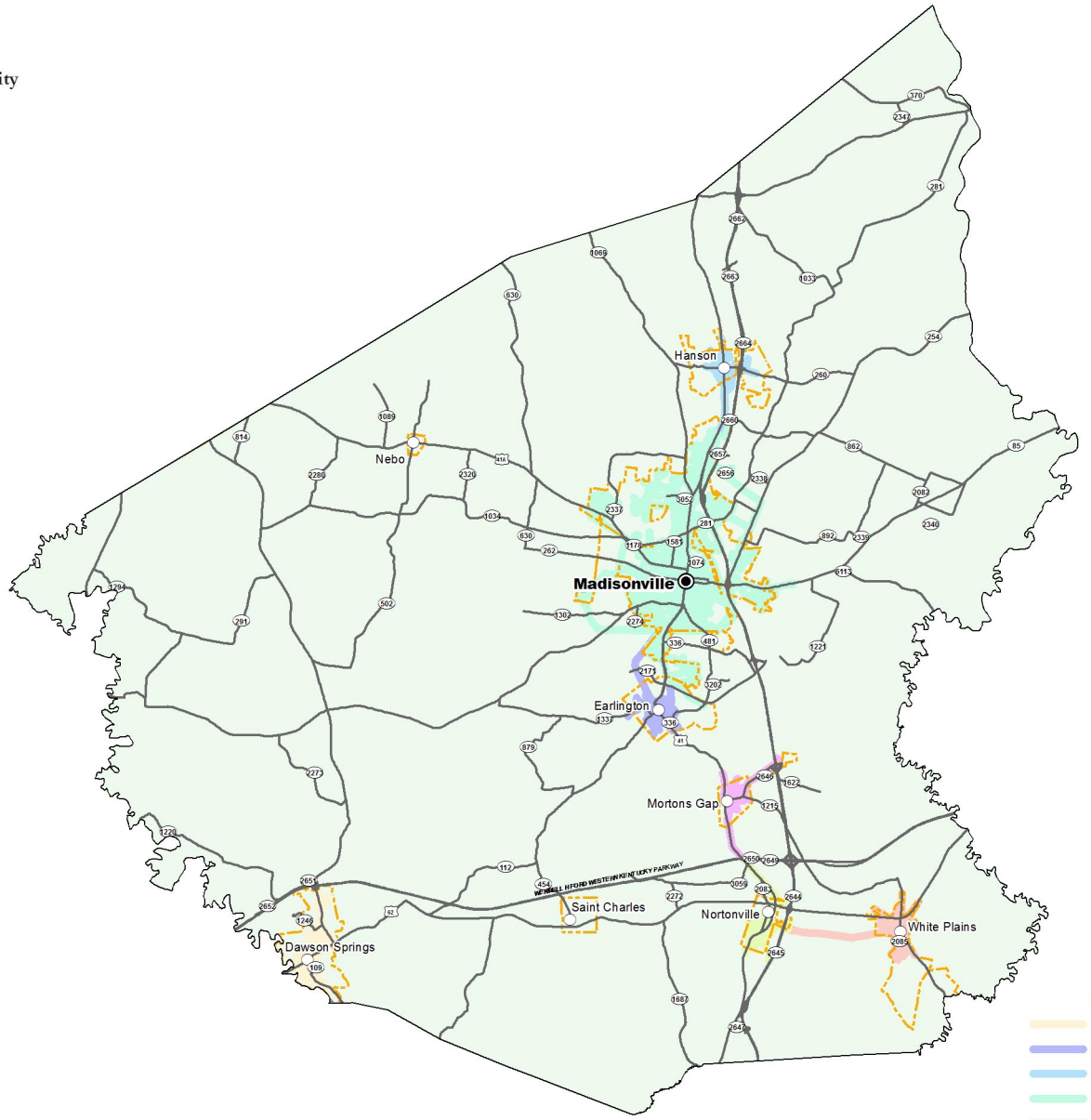
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
HOPKINS COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	843
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$30.00	Total KISOP Treated (MG)	-
Residential Customers	705	Total Treated (MG)	112.900
Commercial Customers	138	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, 10% 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.

There are no immediate projects for Dawson Springs Water & Sewer System

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	485	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 = 15.04 miles (Collection: 12.62 miles, Interceptors: 2.42 miles).			

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

There are no immediate projects for Earlington Water & Sewer Department

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	266	Total Treated (MG)	-
Commercial Customers	7	Number of Manholes	100
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 11.06 miles (Collection: 9.83 miles, Interceptors: 1.23 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	7,966	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 = 183.22 miles (Collection: 182.80 miles, Interceptors: 0.42 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	4	3
SX21107009	Madisonville South Main Sewer Interceptor Phase 2	3-5 Years	Not Funded	$1,443,200	Hopkins	16	4
SX21107010	Madisonville South Main Sewer Interceptor Phase 3	6-10 Years	Not Funded	$1,742,700	Hopkins	21	6
SX21107023	Madisonville - Sewer Extension to Hopkins County Sports Complex	3-5 Years	Partially Funded	$467,123	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	345	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	496	Total Treated (MG)	57.099
Commercial Customers	30	Number of Manholes	235
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 White Plains Sewer Department

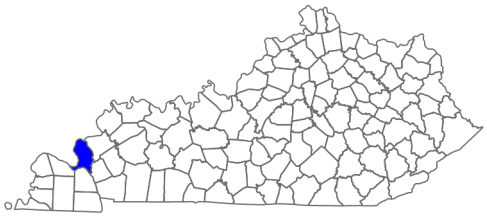
Permit ID	KYP000062	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	303
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	16.354
Cost Per 4000 Gallons	$46.95	Total KISOP Treated (MG)	-
Residential Customers	398	Total Treated (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 = 14.86 miles (Collection: 11.87 miles, Interceptors: 2.99 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 65.54 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: $3,967,000.
- 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 231 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	61	200	4.00	1.00	-
City of Smithland	2	$5,068,000	170	350	3.00	-	6.00
Totals:	**4**	**$7,518,000**	**231**	**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
KY0027227	Grand Rivers Water System	Livingston	867	603
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:	3,863	2,020

Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LIVINGSTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

System Summary for Grand Rivers Water System

Permit ID	KY0027227	Treats Wastewater	Yes, 0.3 MGD with 0.28 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	737
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$54.00	Total KISOP Treated (MG)	-
Residential Customers	644	Total Treated (MG)	63.275
Commercial Customers	93	Number of Manholes	140
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 = 20.16 miles (Collection: 20.14 miles, Interceptors: 0.02 miles).			

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

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

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21139011	Grand Rivers - Wastewater System Rehabilitation	0-2 Years	Not Funded	$1,000,000	Livingston	15	4
SX21139009	Grand Rivers - Sewer Line Extension	3-5 Years	Not Funded	$1,450,000	Livingston	20	5

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 = 27.91 miles (Collection: 27.35 miles, Interceptors: 0.55 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	6	2

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)	23.219
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: 10.84 miles, Interceptors: 0.37 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	$30.00	Total KISOP Treated (MG)	-
Residential Customers	132	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: 5.49 miles, Interceptors: 0.82 miles).			

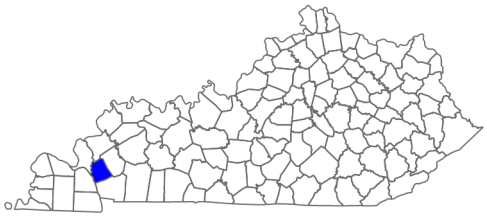
MG = Million Gallons.
MGD = Million Gallons per Day.

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
SX21139012	City of Smithland - Ledbetter Interceptor	6-10 Years	Not Funded	$3,551,000	Livingston	6	2
SX21139010	Smithland Sewer Rehabilitation	3-5 Years	Not Funded	$1,517,000	Livingston	13	3

Lyon County

- 2010 census population of 8,314 (4,791 households) with 33% serviceable.
- Projected 2020 population of 8,523 (change of 209).
- Lyon County has 60.55 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: $500,000.
- There are no projects planned from 6 to 10 years.



Lyon County has a 2010 census population count of 8,314 (4,791 households) with a projected 2020 population count of 8,523 (3,430 households). Public sewer is currently available to approximately 33 percent of the county's households based on 2010 census counts. Over the next ten years approximately 808 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 Kuttawa	2	$500,000	-	808	-	1.00	1.00
Totals:	**2**	**$500,000**	**-**	**808**	**-**	**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	2,193	897
KY0020419	Kuttawa Water Department	Lyon	897	591
KYP000079	Lyon County Water District	Lyon	123	114
		Totals:	3,213	1,602

Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
LYON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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, 1 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	801	Total Treated (MG)	136.569
Commercial Customers	169	Number of Manholes	0
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 = 31.80 miles (Collection: 27.52 miles, Interceptors: 4.28 miles).			

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

There are no immediate projects for Eddyville Water Department

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)	1.710
Residential Customers	415	Total Treated (MG)	40.150
Commercial Customers	35	Number of Manholes	241
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 = 22.77 miles (Collection: 19.59 miles, Interceptors: 3.18 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
SX21143008	City of Kuttawa - Wastewater System Rehabilitation	3-5 Years	Partially Funded	$200,000	Lyon	3	2
SX21143009	City of Kuttawa - Old Kuttawa Pump Station and System Rehab.	3-5 Years	Not Funded	$300,000	Lyon	12	1

System Summary for Lyon County Water District

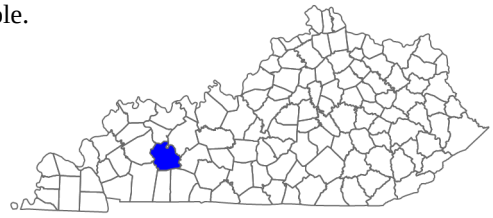
Permit ID	KYP000079	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	45
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	1.710
Cost Per 4000 Gallons	$15.00	Total KISOP Treated (MG)	-
Residential Customers	40	Total Treated (MG)	-
Commercial Customers	5	Number of Manholes	25
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 = 2.02 miles (Collection: 2.02 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 130.27 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: $24,100,000.
- 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 5,624 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			
Central City Municipal Water & Sewer System	3	$24,100,000	-	5,624	-	2.00	-
Totals:	**3**	**$24,100,000**	**-**	**5,624**	**-**	**2.00**	**-**

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	5,494	2,280
KYP000064	Powderly Sewer System	Muhlenberg	716	344
		Totals:	12,966	5,315

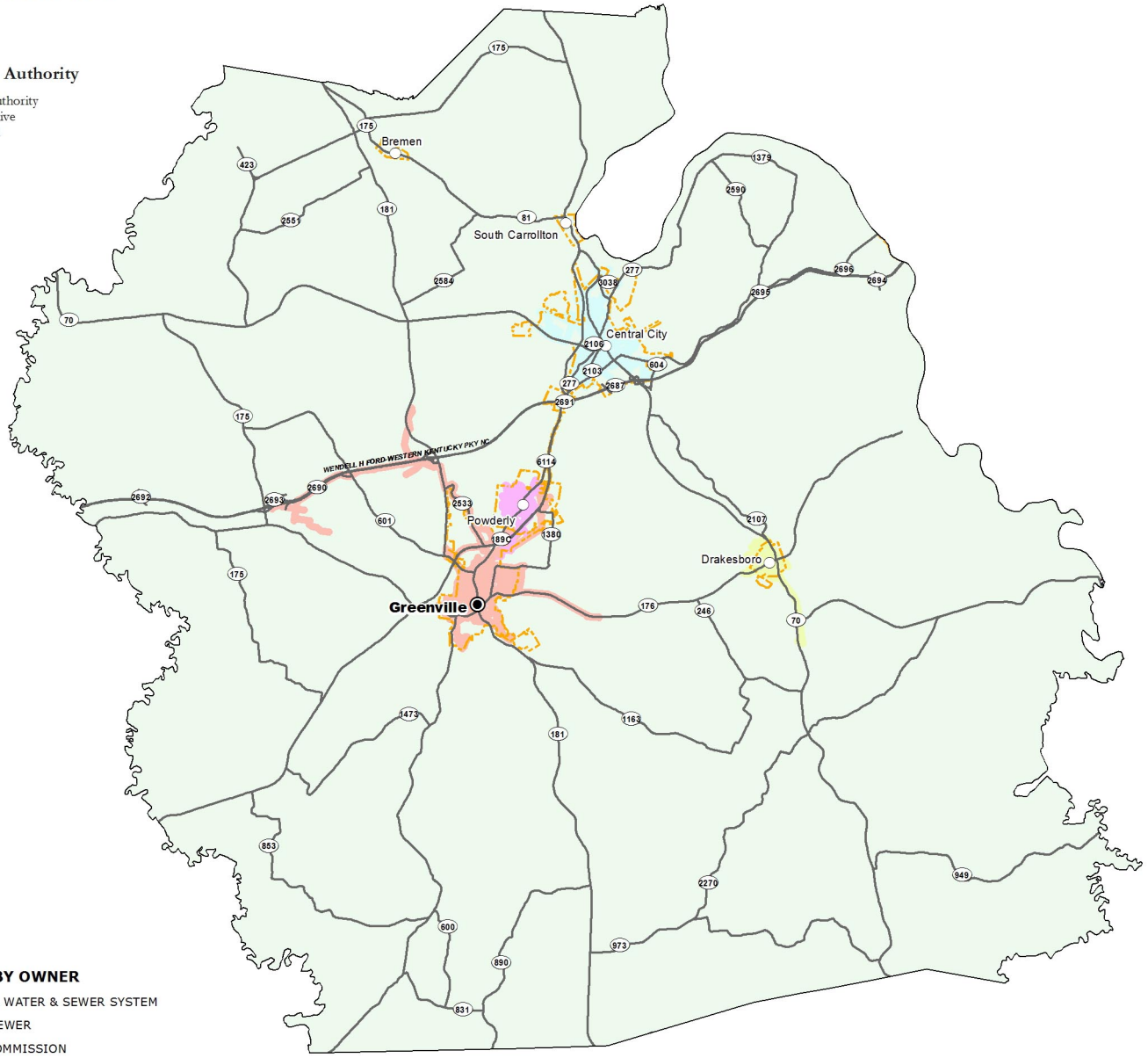
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MUHLENBERG COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	$18.44	Total KISOP Treated (MG)	-
Residential Customers	1,649	Total Treated (MG)	343.189
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: 37.67 miles, Interceptors: 9.99 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)	16.800
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: 11.37 miles, Interceptors: 0.13 miles).			

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

There are no immediate projects for Drakesboro Water & Sewer

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)	327.040
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 = 58.97 miles (Collection: 51.40 miles, Interceptors: 7.56 miles).			

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

There are no immediate projects for Greenville Utilities Commission

System Summary for Powderly Sewer System

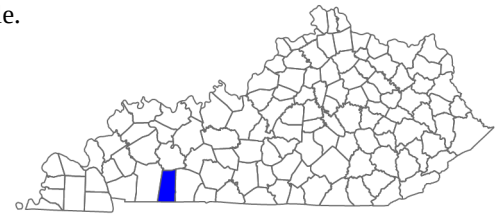
Permit ID	KYP000064	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	369
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	12.819
Cost Per 4000 Gallons	$30.76	Total KISOP Treated (MG)	-
Residential Customers	322	Total Treated (MG)	-
Commercial Customers	42	Number of Manholes	260
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 = 11.89 miles (Collection: 10.74 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 33% serviceable.
- Projected 2020 population of 12,958 (change of 498).
- Todd County has 39.50 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: $10,614,300.
- Estimated funding needs for projects from 6 to 10 years: $750,000.



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 33 percent of the county's households based on 2010 census counts. Over the next ten years approximately 738 serviceable households will be added through the construction of 10.00 miles of sewer line extensions and approximately 2,609 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 Elkton	4	$1,692,800	136	1,795	9.00	-	-
City of Guthrie	3	$7,987,000	1	631	1.00	-	-
City of Trenton	2	$1,584,500	1	183	-	-	-
Todd County Fiscal Court	1	$100,000	600	-	-	-	-
Totals:	**10**	**$11,364,300**	**738**	**2,609**	**10.00**	**-**	**-**

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	2,104	933
KY0063649	Guthrie Water Works	Todd	1,334	603
KY0020982	Trenton Water Works	Todd	386	187
		Totals:	3,824	1,723

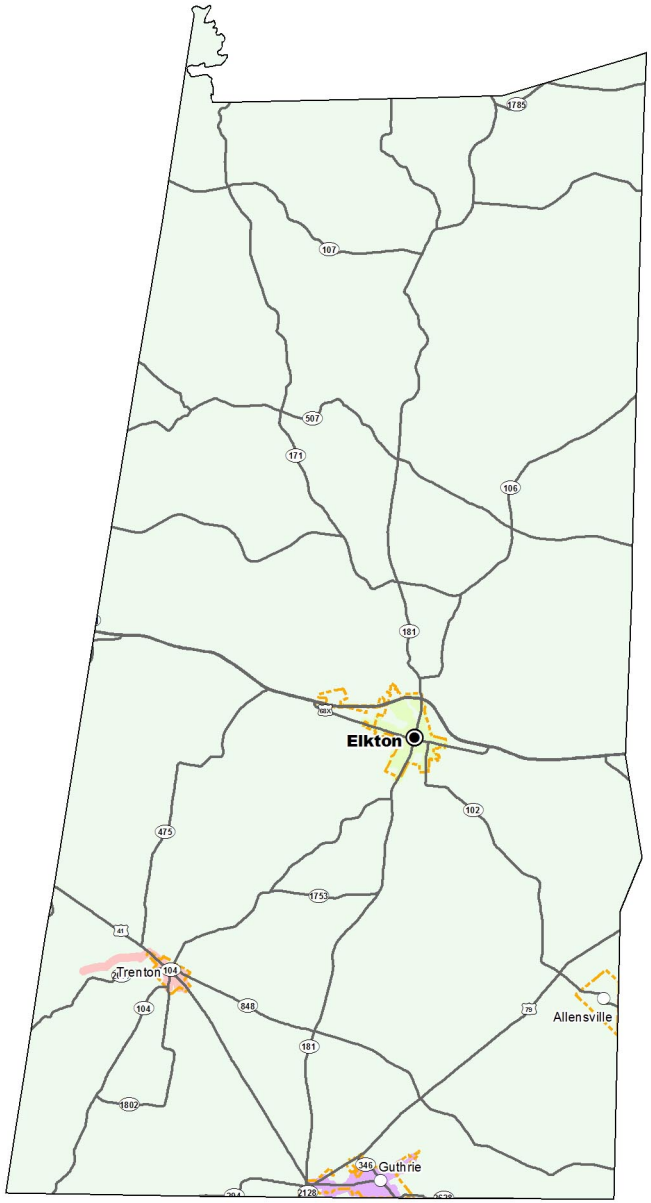
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
TODD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	$37.61	Total KISOP Treated (MG)	-
Residential Customers	718	Total Treated (MG)	72.270
Commercial Customers	154	Number of Manholes	150
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 = 18.20 miles (Collection: 18.14 miles, Interceptors: 0.06 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 - Sewer Collection System Rehabilitation	3-5 Years	Not Funded	$500,000	Todd	14	3
SX21219012	Elkton - Hwy 181 North Sewer Main Extension	6-10 Years	Not Funded	$750,000	Todd	18	5
SX21219018	Elkton - Winding Oaks Sewer Project	3-5 Years	Not Funded	$360,000	Todd	23	7
SX21219019	Elkton - WWTP energy efficiency upgrade	0-2 Years	Not Funded	$82,800	Todd	25	9

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	$28.38	Total KISOP Treated (MG)	-
Residential Customers	683	Total Treated (MG)	58.400
Commercial Customers	42	Number of Manholes	860
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 = 14.31 miles (Collection: 14.24 miles, Interceptors: 0.07 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
SX21219009	Guthrie - WWTP Expansion	3-5 Years	Not Funded	$7,000,000	Todd	24	8
SX21219010	Guthrie - WWTP Debt Reduction	3-5 Years	Not Funded	$487,000	Todd	26	10
SX21219015	Guthrie West Industrial Park Sewer Extension	0-2 Years	Not Funded	$500,000	Todd	28	12

System Summary for Trenton Water Works

Permit ID	KY0020982	Treats Wastewater	Yes, 0.12 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	$37.92	Total KISOP Treated (MG)	-
Residential Customers	185	Total Treated (MG)	12.775
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 = 6.99 miles (Collection: 5.45 miles, Interceptors: 1.53 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 Expansion	3-5 Years	Not Funded	$1,500,000	Todd	17	4
SX21219020	Trenton - W.F. Ware Property Sewer Extensions	0-2 Years	Not Funded	$84,500	Todd		

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 42.82 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	2,979	1,423
		Totals:	2,979	1,423

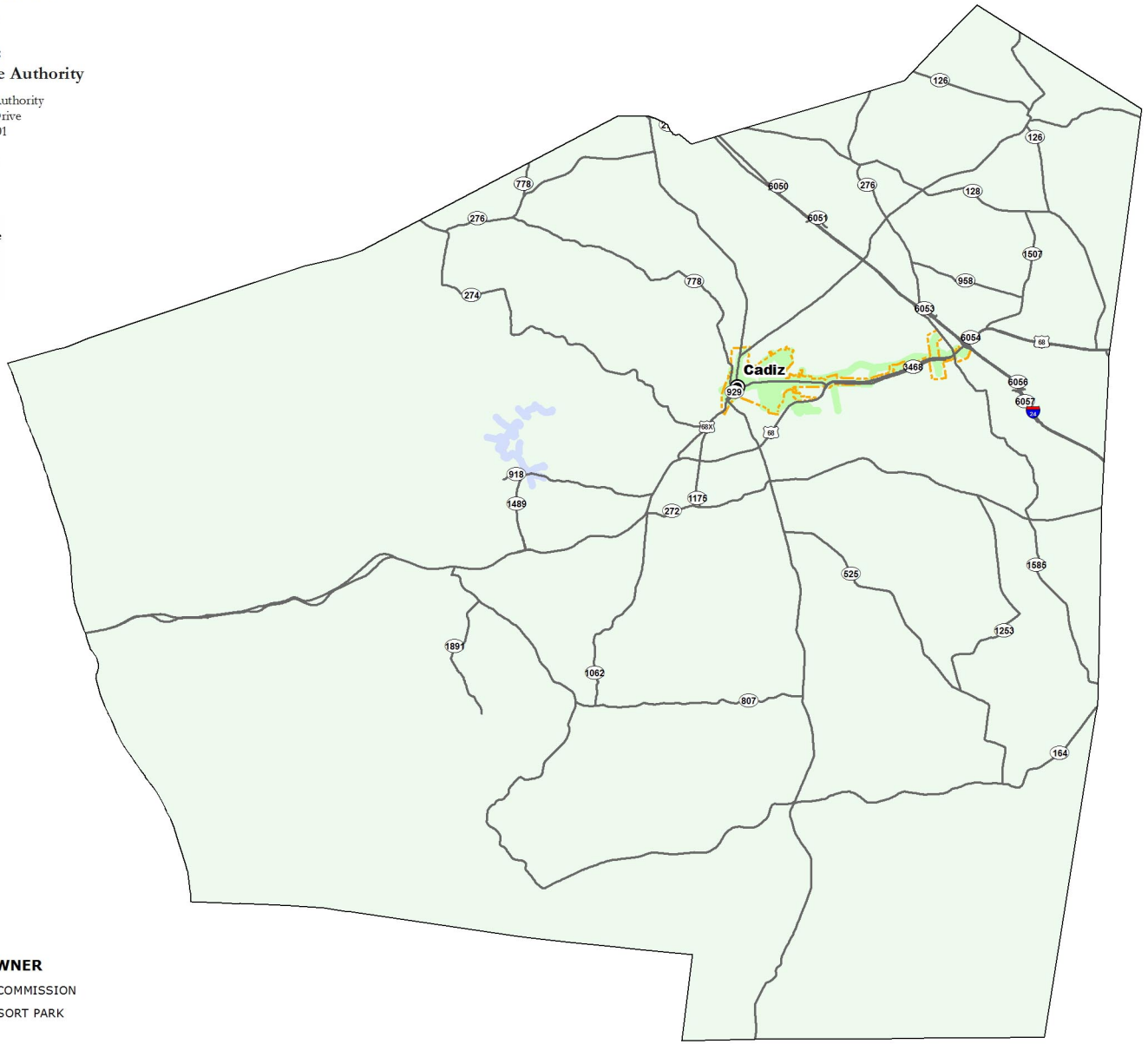
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
TRIGG COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- CADIZ WATER & SEWER COMMISSION
- LAKE BARKLEY STATE RESORT PARK

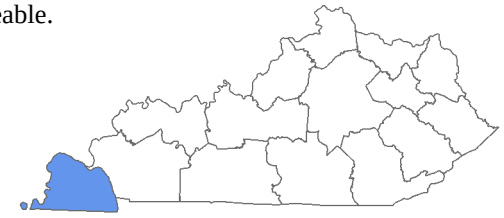
System Summary for Cadiz Water & Sewer Commission

Permit ID	KY0026891	Treats Wastewater	Yes, 0.59 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	$26.23	Total KISOP Treated (MG)	-
Residential Customers	988	Total Treated (MG)	81.486
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 = 35.33 miles (Collection: 35.19 miles, Interceptors: 0.14 miles).			

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

There are no immediate projects for Cadiz Water & Sewer Commission

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).
- 942.27 miles of existing sewer lines.
- 127.00 miles of line extensions proposed in the next 10 years.
- 120.00 miles of line rehabilitation proposed in the next 10 years.
- 32.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $102,701,067.
- Estimated funding needs for projects from 6 to 10 years: $26,093,690.
- Average age of wastewater treatment plants is 31 years.
- Total number of interconnected systems is 2.
- 103 miles of sewer lines less than 15 years old.
- 37 miles of sewer lines between 15 and 30 years old.
- 132 miles of sewer lines between 31 and 50 years old.
- 419 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 38,630 serviceable households will be added through the construction of 127.00 miles of sewer line extensions and approximately 15,007 instances of improved service through the rehabilitation of 120.00 miles of existing sewer lines and other appurtenances. 32.00 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%	$ 15,126,257
Calloway	37,191	18,065	40,411	17,019	9,212	51%	$ 3,655,000
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%	$ 7,737,635
Graves	37,121	16,777	37,630	15,459	5,884	35%	$ 36,489,806
Hickman	4,902	2,342	4,625	1,938	666	28%	-
McCracken	65,565	31,079	66,621	29,278	21,647	70%	$ 42,801,489
Marshall	31,448	15,748	33,023	14,122	3,866	25%	$ 13,197,475
Totals	**196,393**	**93,709**	**201,697**	**86,121**	**45,839**	**49%**	**$ 128,794,757**

Kentucky Infrastructure Authority
February 19, 2016

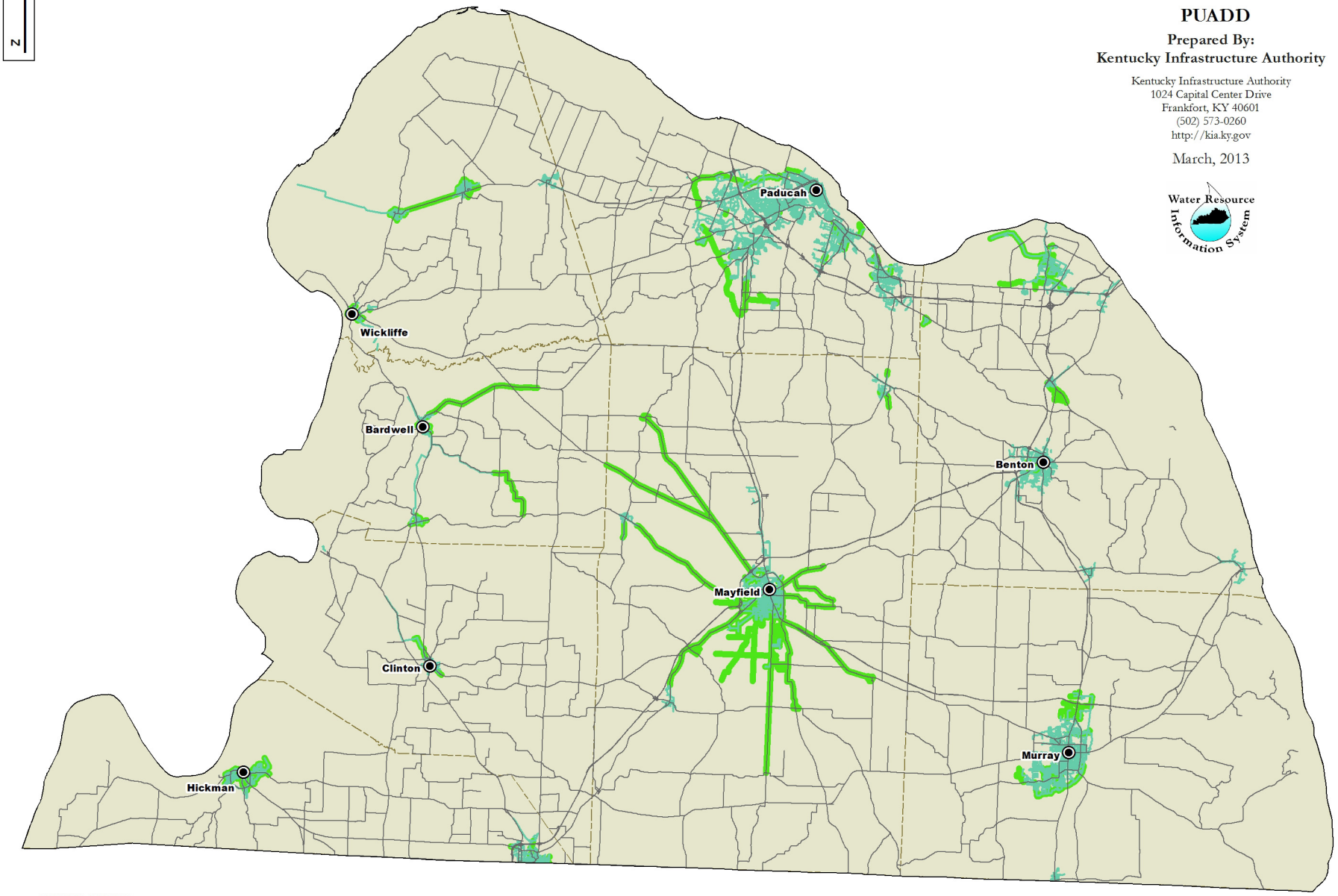
EXISTING & PROPOSED SEWER LINES

PUADD

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



Public Sewer Systems in the Purchase Area Development District

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

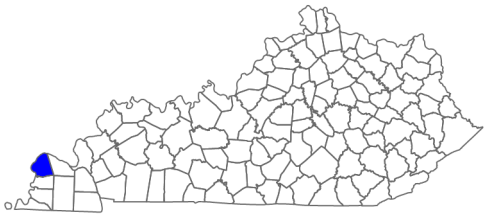
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025747	Barlow Sewer System	Ballard	703	370
KY0033791	Kevil Water & Sewer System	Ballard	709	347
KY0020893	LaCenter Water System	Ballard	1,063	500
KY0025933	Wickliffe Sewer System	Ballard	770	363
KY0072761	Murray Water & 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	573	259
KY0021211	Mayfield Electric & Water System	Graves	10,472	4,909
KY0055221	Mayfield Electric & Water Systems (Highland Club)	Graves	27	12
KY0053520	Mayfield Electric & Water Systems (Thomas Country)	Graves	328	132
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	652	302
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	2,048
KY0025828	Paducah McCracken County Joint Sewer Agency (Woodlawn)	McCracken	4,467	2,091
		Totals:	95,367	45,816

Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21083009	Gravity Sewer Extension from the intersection of I69 and Hwy45	0-2 Years	Not Funded	$116,499	Graves	1	1
SX21157036	City of Calvert City-Phase IV Sewer Rehab	3-5 Years	Not Funded	$450,000	Marshall	2	1
SX21145023	10MG Combined Sewer Storage Tank PWWTP	0-2 Years	Not Funded	$6,342,750	McCracken	3	1
SX21075010	Aeration Basin	0-2 Years	Not Funded	$2,000,000	Fulton	4	1
SX21083029	Gravity line extension from Hwy 45 North	0-2 Years	Not Funded	$213,732	Graves	5	2
SX21145017	Massac Creek Phase III	0-2 Years	Not Funded	$2,020,000	McCracken	6	2
SX21083056	Wildwood Subdivision Sewer Line Extension from HWY 121	0-2 Years	Not Funded	$186,266	Graves	7	3
SX21145024	Parallel 16 and 20 inch force mains serving renovated Harrison S	3-5 Years	Not Funded	$1,368,650	McCracken	8	3
SX21145025	Renovate Harrison Street CSO Pumping Station to 10.0 MGD	0-2 Years	Not Funded	$2,781,430	McCracken	9	4
SX21075005	City of Hickman- CSO Removal Project	3-5 Years	Not Funded	$1,000,000	Fulton	10	2
			Total Cost:	**$16,479,327**			

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: $13,172,537.
- 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 1,792 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	$6,654,675	-	739	-	8.00	6.00
City of Wickliffe	5	$6,571,582	-	449	-	3.00	-
Totals:	**11**	**$15,126,257**	**-**	**1,792**	**-**	**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

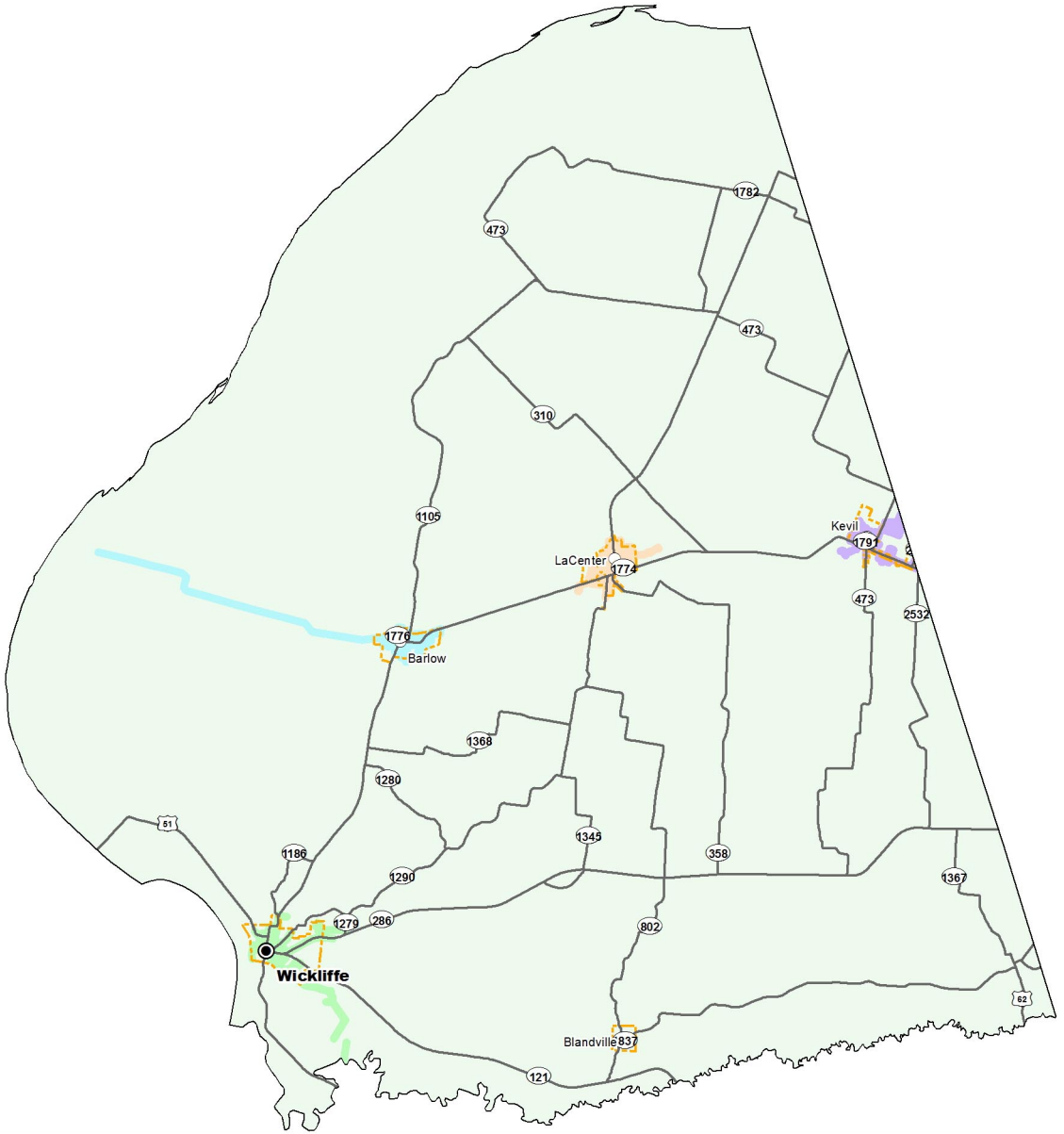
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
BALLARD COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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	74
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	132
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 = 11.83 miles (Collection: 9.59 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
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).			

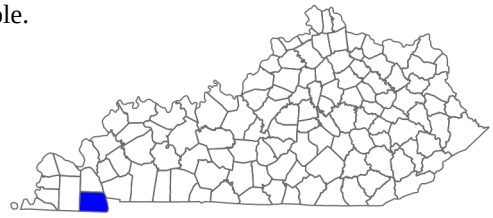
MG = Million Gallons.
MGD = Million Gallons per Day.

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 148.37 miles of existing sewer lines.
- 3.00 miles of line extensions proposed in the next 10 years.
- 6.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $3,655,000.
- 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 1,112 instances of improved service through the rehabilitation of 6.00 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	7	$3,655,000	23	1,112	3.00	6.00	4.00
Totals:	**7**	**$3,655,000**	**23**	**1,112**	**3.00**	**6.00**	**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

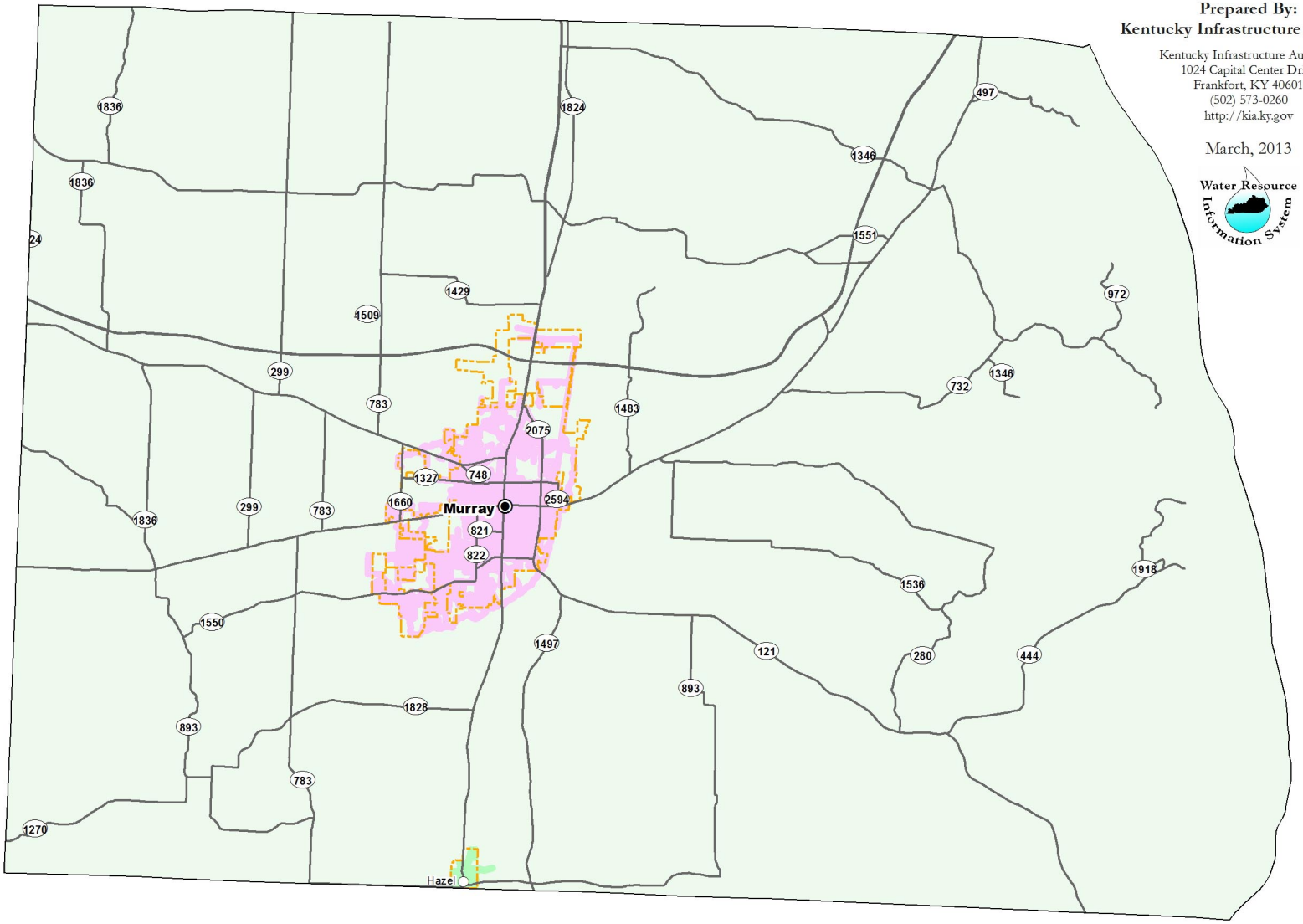
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CALLOWAY COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- MURRAY WATER & WASTEWATER SYSTEM
- SOUTH 641 WATER DISTRICT

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	8,441
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$16.94	Total KISOP Treated (MG)	-
Residential Customers	6,671	Total Treated (MG)	1,423.500
Commercial Customers	-	Number of Manholes	2652
Institutional Customers	1,761	Number of Lift Stations	7
Industrial Customers	9	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	Yes, 80% 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
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		
SX21035004	City of Murray- Sewer Extension to North Elementary	3-5 Years	Not Funded	$350,000	Calloway		
SX21035021	Murray - Clarks River Lift Station Upgrade	3-5 Years	Not Funded	$275,000	Calloway		
SX21035013	Murray-Phase VI Rehab Project South of Murray	3-5 Years	Partially Funded	$270,000	Calloway		
SX21035003	City of Murray- Melvin Henley Dr. Extension	3-5 Years	Not Funded	$160,000	Calloway		

System Summary for South 641 Water District

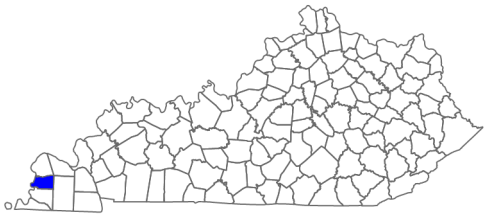
Permit ID	KY0028371	Treats Wastewater	Yes, 0.03 MGD with 0.02 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	208
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$15.41	Total KISOP Treated (MG)	-
Residential Customers	159	Total 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 = 5.02 miles (Collection: 4.32 miles, Interceptors: 0.70 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

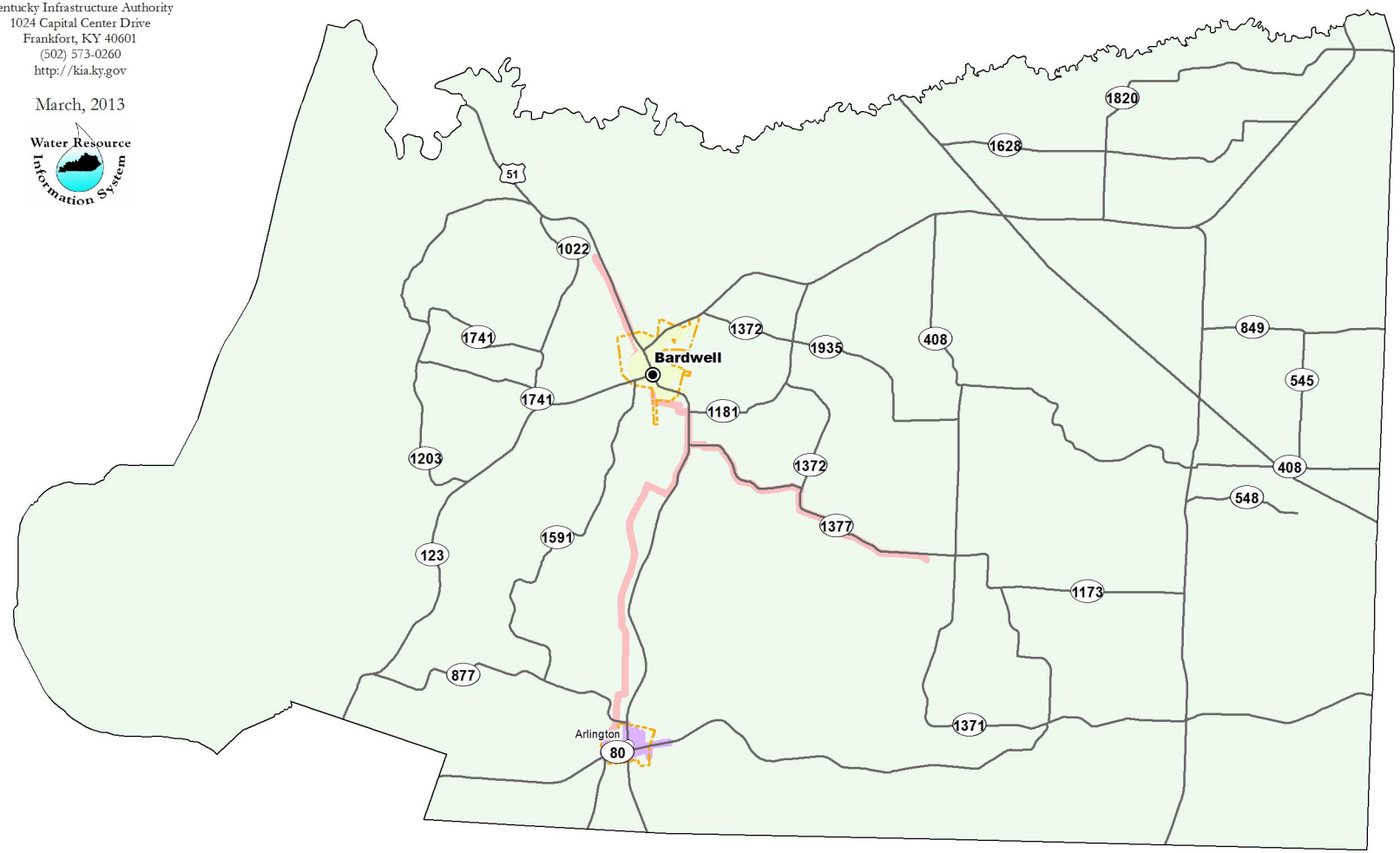
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
CARLISLE COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- ARLINGTON WATER AND SEWER DEPARTMENT
- BARDWELL CITY UTILITIES
- CARLISLE COUNTY SANITATION DISTRICT #1

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).

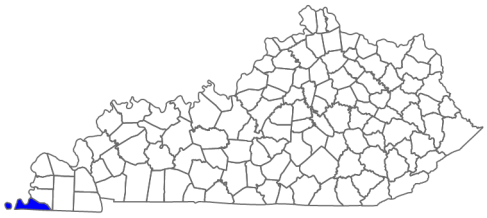
MG = Million Gallons.
MGD = Million Gallons per Day.

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.
- 24.00 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: $7,737,635.
- 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 24.00 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	$6,714,000	-	985	-	23.00	2.00
Totals:	**5**	**$7,737,635**	**-**	**2,334**	**-**	**24.00**	**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

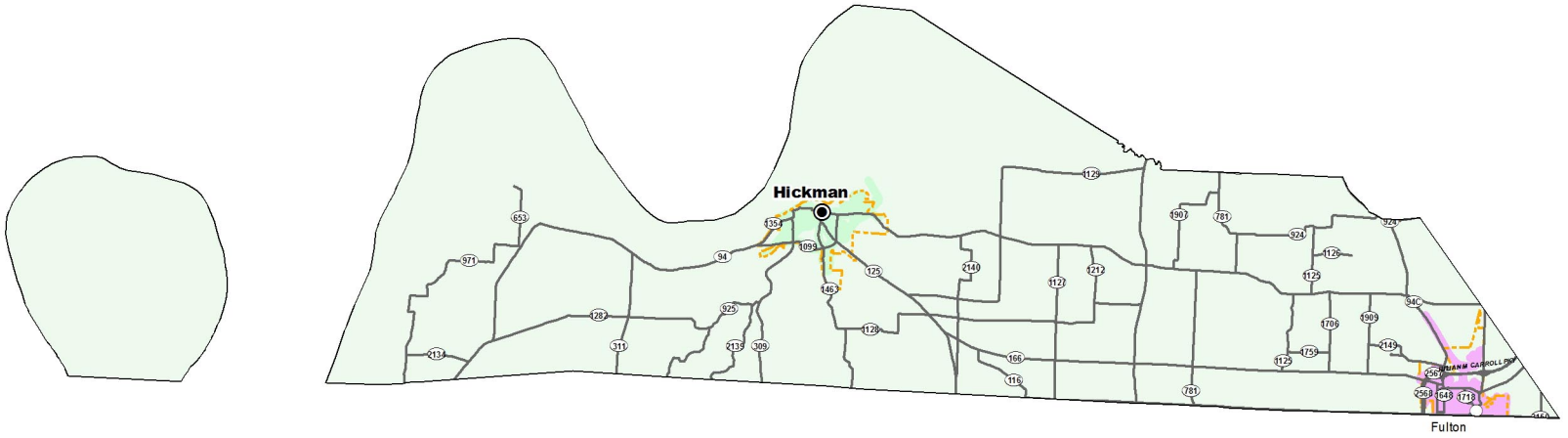
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
FULTON COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



SEWER SERVICE BY OWNER

- FULTON MUNICIPAL WATER SYSTEM
- HICKMAN MUNICIPAL SEWER SYSTEM

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	Aeration Basin	0-2 Years	Not Funded	$2,000,000	Fulton	4	1
SX21075005	City of Hickman- CSO Removal Project	3-5 Years	Not Funded	$1,000,000	Fulton	10	2
SX21075004	Hickman Mun Sewer System - Sewer Rehab	3-5 Years	Not Funded	$3,714,000	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 110.99 miles of existing sewer lines.
- 100.00 miles of line extensions proposed in the next 10 years.
- 54.00 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: $22,151,866.
- Estimated funding needs for projects from 6 to 10 years: $14,337,940.

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 3,320 serviceable households will be added through the construction of 100.00 miles of sewer line extensions and approximately 8,445 instances of improved service through the rehabilitation of 54.00 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	1,132	-	51.00	-	6.00
Mayfield Electric & Water Systems	32	$26,005,697	2,171	8,443	48.00	54.00	5.00
Symsonia Water District	2	$335,000	17	2	1.00	-	-
Totals:	**40**	**$36,489,806**	**3,320**	**8,445**	**100.00**	**54.00**	**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	573	259
KY0021211	Mayfield Electric & Water System	Graves	10,472	4,909
KY0055221	Mayfield Electric & Water Systems (Highland Club)	Graves	27	12
KY0053520	Mayfield Electric & Water Systems (Thomas Country)	Graves	328	132
KY0055271	Symsonia Water District	Graves	583	307
KY0025852	Wingo Water & Sewer System	Graves	595	265
		Totals:	12,578	5,884

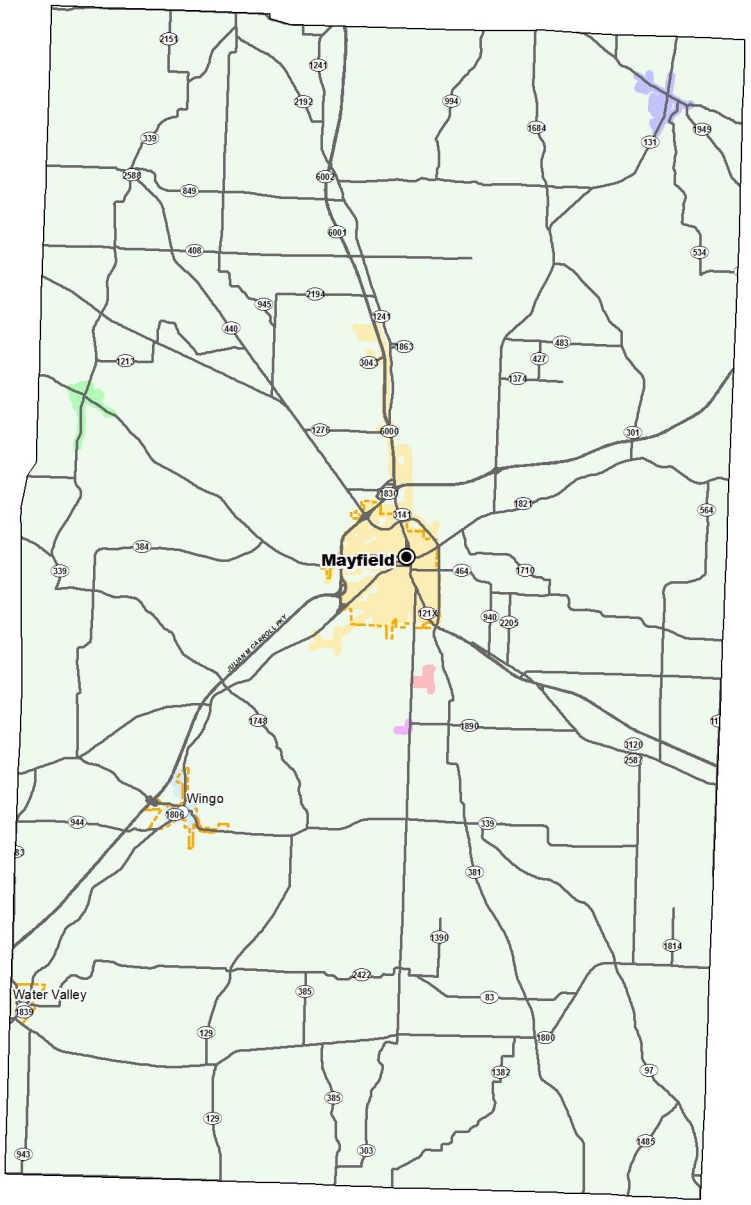
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
GRAVES COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



N

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 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 = 6.87 miles (Collection: 5.11 miles, Interceptors: 1.76 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
SX21083008	Graves County Water District-KY 121 N and KY 440, Lowes	6-10 Years	Not Funded	$3,354,640	Graves		
SX21083007	Graves County-KY 80 North, Fancy Farm	3-5 Years	Not Funded	$2,100,800	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 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
SX21083009	Gravity Sewer Extension from the intersection of I69 and Hwy45	0-2 Years	Not Funded	$116,499	Graves	1	1
SX21083029	Gravity line extension from Hwy 45 North	0-2 Years	Not Funded	$213,732	Graves	5	2
SX21083056	Wildwood Subdivision Sewer Line Extension from HWY 121	0-2 Years	Not Funded	$186,266	Graves	7	3
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		
SX21083015	Mayfield Electric & Water-Southern Mayfield/Graves County Wastewater Collection System Extension	3-5 Years	Not Funded	$1,593,000	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		
SX21083016	Mayfield-10th Street Lift Station and Sewer Line Rehab	3-5 Years	Not Funded	$515,000	Graves		
SX21083053	Mayfield Electric & Water- Cuba Road Sewer Rehabilitation	6-10 Years	Not Funded	$499,000	Graves		
SX21083048	Mayfield Electric & Water - 15th Street Lift Station Removal and Interceptor	6-10 Years	Not Funded	$462,000	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		
SX21083041	Mayfield Electric & Water-Mayfield WWTP Oxidation Ditch	3-5 Years	Not Funded	$292,000	Graves		
SX21083042	Mayfield Electric & Water- Mayfield WWTP Clarifier Refurbishment	3-5 Years	Not Funded	$290,000	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
SX21083015	Mayfield Electric & Water-Southern Mayfield/Graves County Wastewater Collection System Extension	3-5 Years	Not Funded	$1,593,000	Graves		

System Summary for Mayfield Electric & Water Systems (Thomas Country)

Permit ID	KY0053520	Treats Wastewater	Yes, 0.04 MGD with 0 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 = 1.89 miles (Collection: 1.89 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		

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 = 5.98 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 19, 2016

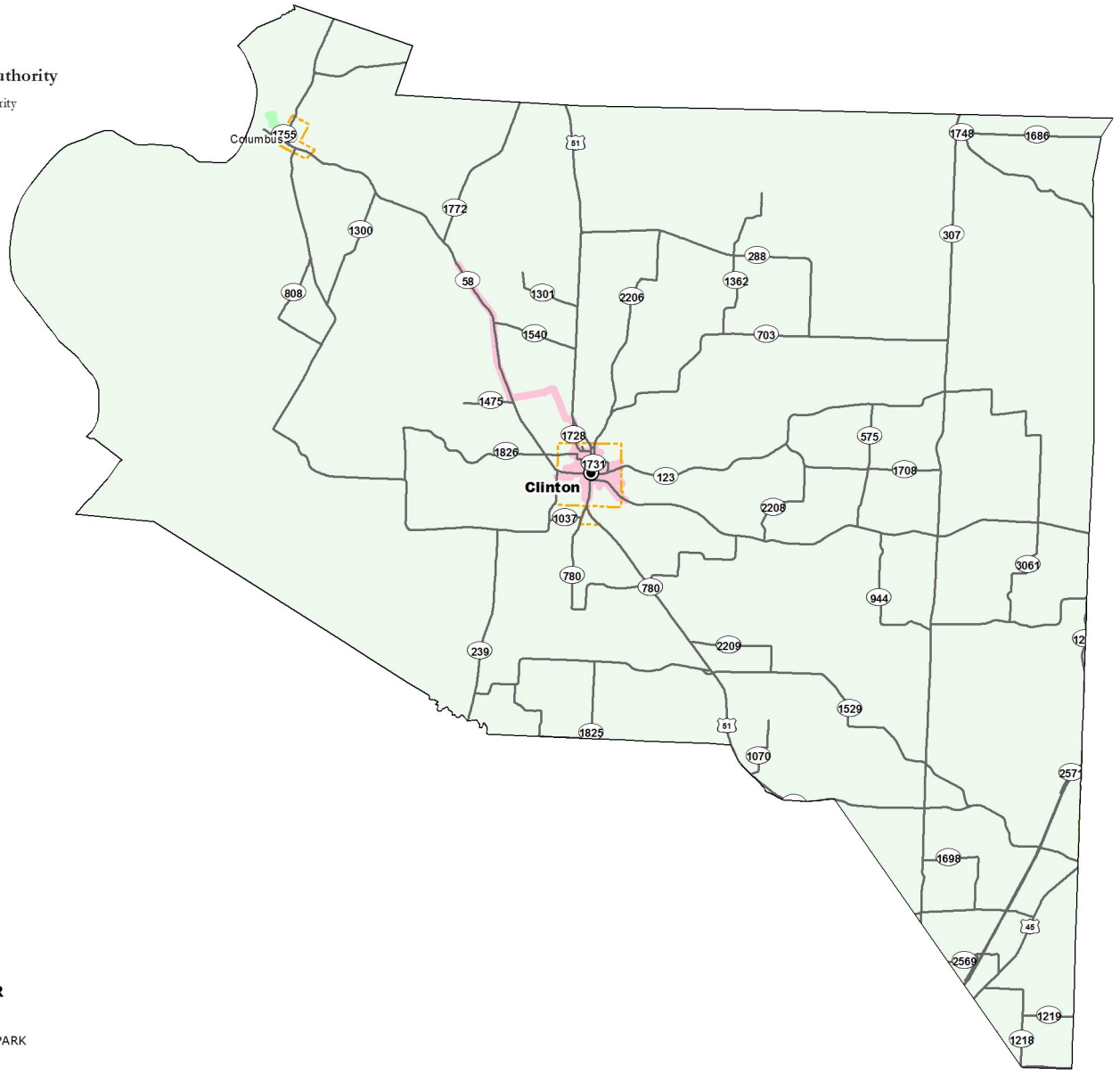
SEWER SERVICE AREAS
HICKMAN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013

Water Resource Information System



N

SEWER SERVICE BY OWNER

- CLINTON SEWER
- COLUMBUS-BELMONT STATE PARK

System Summary for Clinton Sewer

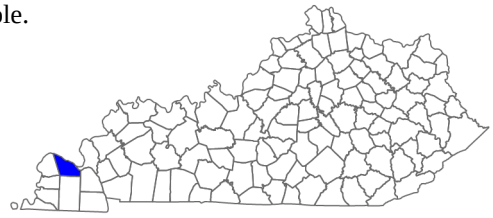
Permit ID	KY0025275	Treats Wastewater	Yes, 0.35 MGD with 0.73 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	639
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	$29.80	Total KISOP Treated (MG)	-
Residential Customers	527	Total Treated (MG)	45.000
Commercial Customers	81	Number of Manholes	124
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 397.23 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 8.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $36,713,489.
- 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 34,604 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 166 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 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			
Joann Estates Utilities Inc	1	$400,000	-	-	-	-	-
Paducah McCracken County Joint Sewer Agency	29	$39,701,489	34,594	166	1.00	2.00	4.00
Purchase Public Service Corporation	2	$2,700,000	10	-	-	-	4.00
Totals:	**32**	**$42,801,489**	**34,604**	**166**	**1.00**	**2.00**	**8.00**

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	2,048
KY0025828	Paducah McCracken County Joint Sewer Agency (Woodlawn)	McCracken	4,467	2,091
		Totals:	44,075	21,643

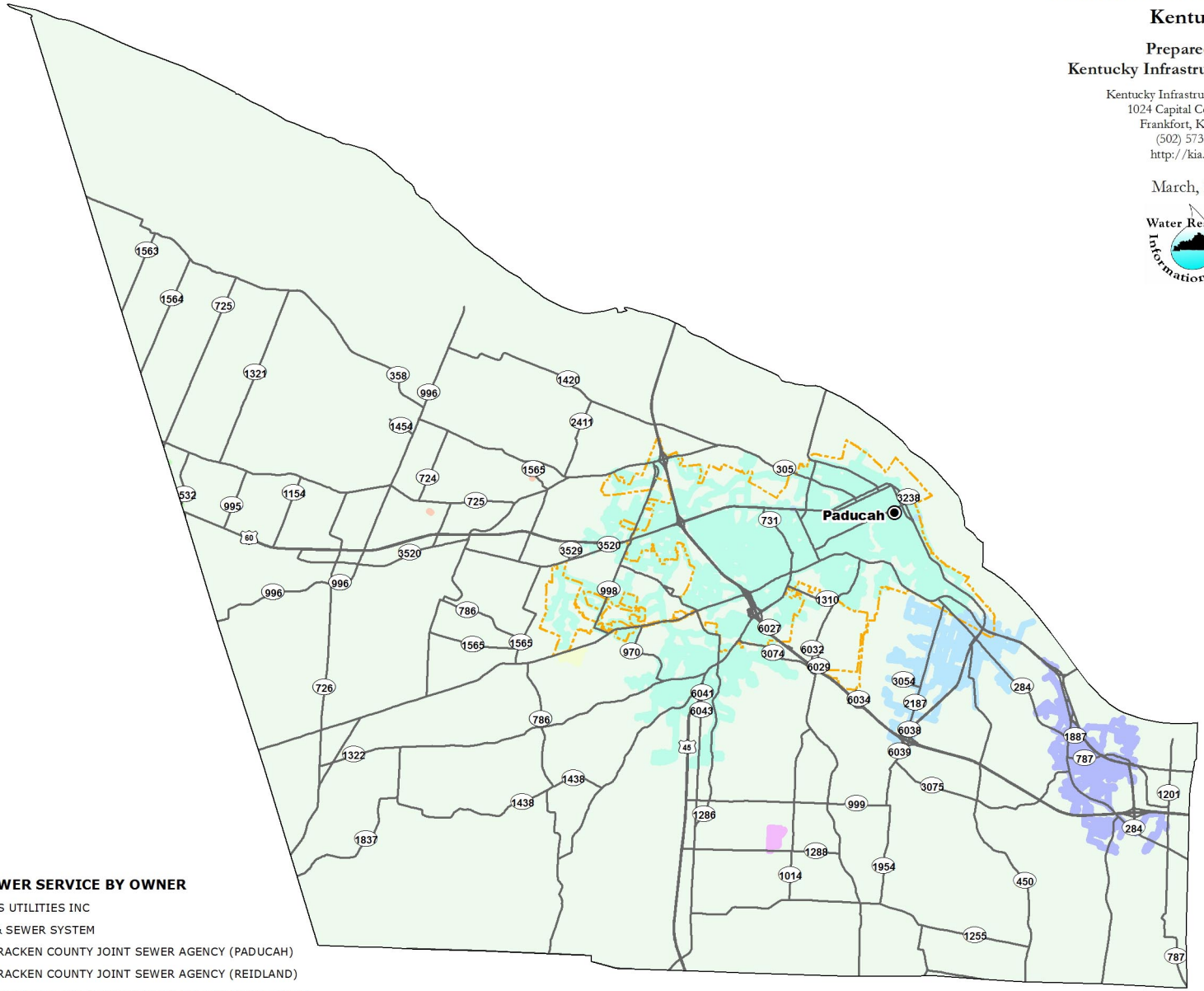
Kentucky Infrastructure Authority
February 19, 2016

SEWER SERVICE AREAS
MCCRACKEN COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

March, 2013



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
SX21145174	Joann Estates Utilities Inc - System Rehab	3-5 Years	Not Funded	$400,000	McCracken		

System Summary for Joann Estates Utilities Inc

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 Joann Estates Utilities Inc

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21145174	Joann Estates Utilities Inc - System Rehab	3-5 Years	Not Funded	$400,000	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.

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
SX21145174	Joann Estates Utilities Inc - System Rehab	3-5 Years	Not Funded	$400,000	McCracken		

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	$17.72	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
SX21145023	10MG Combined Sewer Storage Tank PWWTP	0-2 Years	Not Funded	$6,342,750	McCracken	3	1
SX21145017	Massac Creek Phase III	0-2 Years	Not Funded	$2,020,000	McCracken	6	2
SX21145024	Parallel 16 and 20 inch force mains serving renovated Harrison S	3-5 Years	Not Funded	$1,368,650	McCracken	8	3
SX21145037	Paducah-Mccracken JSA-Terrell St. Phase I CSO Abatement Project	3-5 Years	Not Funded	$3,705,000	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		
SX21145032	Paducah-Mccracken JSA-Phase I Paxton Park CSO Abatement Project	3-5 Years	Not Funded	$600,000	McCracken		
SX21145006	Paducah McCracken JSA- Extension to James Marine	0-2 Years	Not Funded	$532,100	McCracken		
SX21145154	Paducah-Mccracken JSA-CSO 004 Discharge Abatement	6-10 Years	Not Funded	$500,000	McCracken		
SX21145152	Paducah-Mccracken JSA-CSO Plan Ph. IV	6-10 Years	Not Funded	$395,000	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	500
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 = 39.04 miles (Collection: 34.06 miles, Interceptors: 4.98 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 = 46.69 miles (Collection: 30.89 miles, Interceptors: 15.80 miles).			

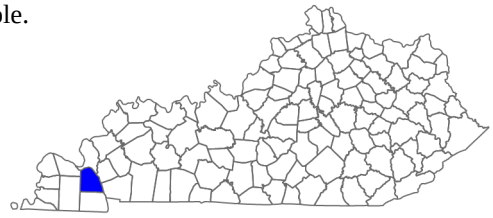
MG = Million Gallons.
MGD = Million Gallons per Day.

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		

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 127.18 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 14.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: $12,447,475.
- 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 243 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 977 instances of improved service through the rehabilitation of 14.00 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	2	$2,065,300	-	442	-	6.00	-
City of Calvert City	13	$5,862,875	100	467	8.00	7.00	-
City of Hardin	1	$1,001,000	-	-	-	-	-
Marshall County Sanitation District #1	1	$550,000	-	38	-	-	-
Marshall County Sanitation District #2	1	$3,312,000	143	-	4.00	-	1.00
Purchase Public Service Corporation	1	$406,300	-	30	-	1.00	-
Totals:	**19**	**$13,197,475**	**243**	**977**	**12.00**	**14.00**	**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	652	302
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:	8,292	3,848

Kentucky Infrastructure Authority
February 19, 2016

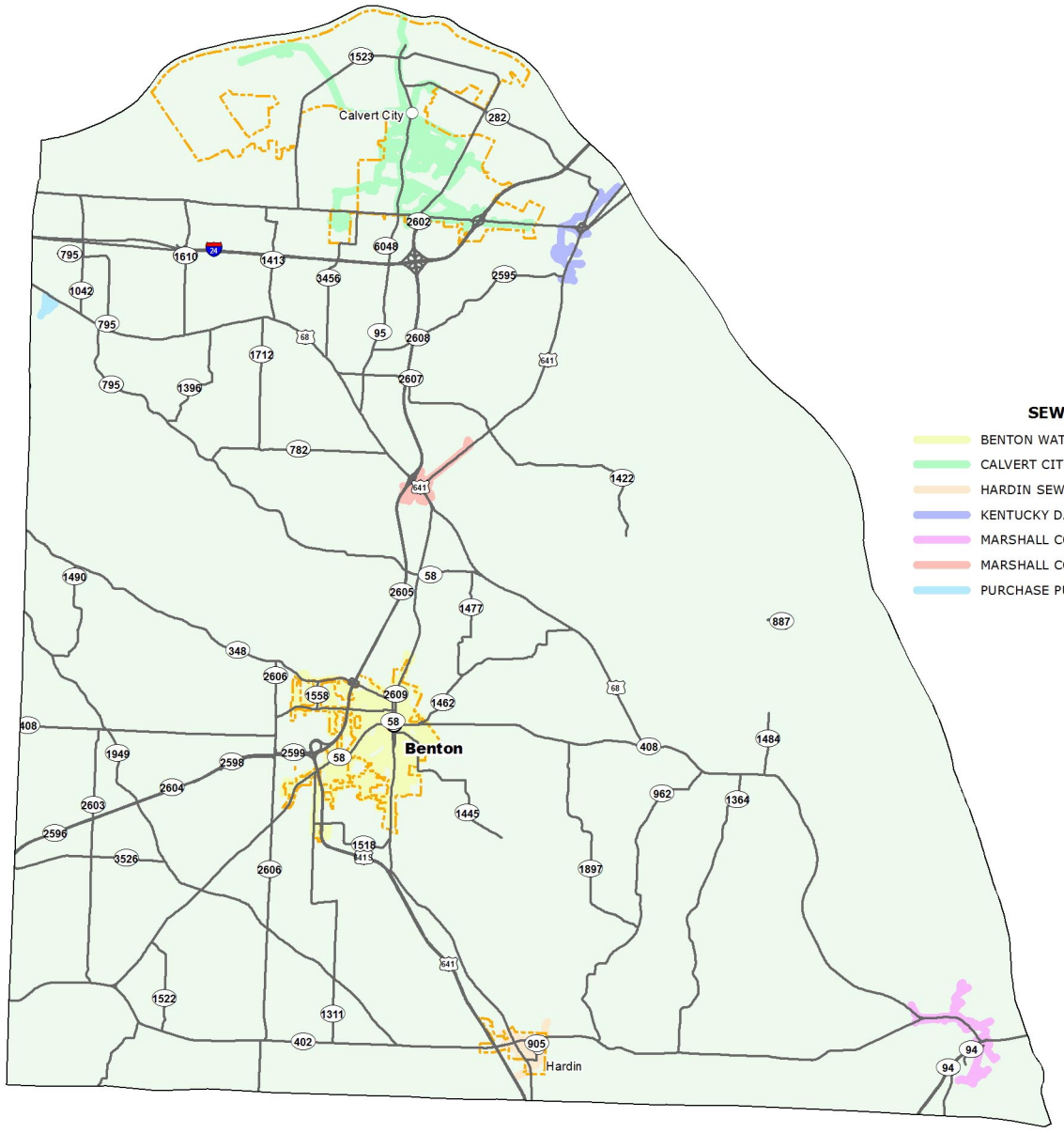
SEWER SERVICE AREAS
MARSHALL COUNTY
Kentucky

Prepared By:
Kentucky Infrastructure Authority

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

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)

N

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	$30.50	Total KISOP Treated (MG)	-
Residential Customers	1,750	Total Treated (MG)	379.500
Commercial Customers	283	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
SX21157020	Sewer Collection System SSES & Rehabilitation - Phase III	0-2 Years	Not Funded	$1,780,000	Marshall		
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
SX21157036	City of Calvert City-Phase IV Sewer Rehab	3-5 Years	Not Funded	$450,000	Marshall	2	1
SX21157017	Calvert City Wastewater Plant Upgrade	3-5 Years	Not Funded	$2,000,000	Marshall		
SX21157031	Calvert City Sewer - Riverport Sewer Line Extension	0-2 Years	Partially Funded	$900,000	Marshall		
SX21157025	City of Calvert City-Phase III Sewer Rehab	6-10 Years	Not Funded	$750,000	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 = 4.50 miles (Collection: 4.50 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	38
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
SX21157035	Marshall Co. Sanitation District #2 - Ext. to Marshall Co. High	3-5 Years	Not Funded	$3,312,000	Marshall		

Appendix A - Counties by Area Development District

County	ADD
Adair	LCADD
Allen	BRADD
Anderson	BGADD
Ballard	PUADD
Barren	BRADD
Bath	GWADD
Bell	CVADD
Boone	NKADD
Bourbon	BGADD
Boyd	FIVCO
Boyle	BGADD
Bracken	BTADD
Breathitt	KRADD
Breckinridge	LTADD
Bullitt	KIPDA
Butler	BRADD
Caldwell	PEADD
Calloway	PUADD
Campbell	NKADD
Carlisle	PUADD
Carroll	NKADD
Carter	FIVCO
Casey	LCADD
Christian	PEADD
Clark	BGADD
Clay	CVADD
Clinton	LCADD
Crittenden	PEADD
Cumberland	LCADD
Daviess	GRADD
Edmonson	BRADD
Elliott	FIVCO
Estill	BGADD
Fayette	BGADD
Fleming	BTADD
Floyd	BSADD
Franklin	BGADD
Fulton	PUADD
Gallatin	NKADD
Garrard	BGADD

County	ADD
Grant	NKADD
Graves	PUADD
Grayson	LTADD
Green	LCADD
Greenup	FIVCO
Hancock	GRADD
Hardin	LTADD
Harlan	CVADD
Harrison	BGADD
Hart	BRADD
Henderson	GRADD
Henry	KIPDA
Hickman	PUADD
Hopkins	PEADD
Jackson	CVADD
Jefferson	KIPDA
Jessamine	BGADD
Johnson	BSADD
Kenton	NKADD
Knott	KRADD
Knox	CVADD
Larue	LTADD
Laurel	CVADD
Lawrence	FIVCO
Lee	KRADD
Leslie	KRADD
Letcher	KRADD
Lewis	BTADD
Lincoln	BGADD
Livingston	PEADD
Logan	BRADD
Lyon	PEADD
McCracken	PUADD
McCreary	LCADD
McLean	GRADD
Madison	BGADD
Magoffin	BSADD
Marion	LTADD
Marshall	PUADD
Martin	BSADD

County	ADD
Mason	BTADD
Meade	LTADD
Menifee	GWADD
Mercer	BGADD
Metcalfe	BRADD
Monroe	BRADD
Montgomery	GWADD
Morgan	GWADD
Muhlenberg	PEADD
Nelson	LTADD
Nicholas	BGADD
Ohio	GRADD
Oldham	KIPDA
Owen	NKADD
Owsley	KRADD
Pendleton	NKADD
Perry	KRADD
Pike	BSADD
Powell	BGADD
Pulaski	LCADD
Robertson	BTADD
Rockcastle	CVADD
Rowan	GWADD
Russell	LCADD
Scott	BGADD
Shelby	KIPDA
Simpson	BRADD
Spencer	KIPDA
Taylor	LCADD
Todd	PEADD
Trigg	PEADD
Trimble	KIPDA
Union	GRADD
Warren	BRADD
Washington	LTADD
Wayne	LCADD
Webster	GRADD
Whitley	CVADD
Wolfe	KRADD
Woodford	BGADD