

Kentucky

- 2010 census population of 4,339,367 (1,927,164 households) with 62% serviceable.
- Projected 2020 population of 4,672,754 (change of 333,387).
- 17,992 miles of existing sewer lines.
- 15 new sewage treatment plants proposed in the next 10 years.
- 1,725 miles of line extensions proposed in the next 10 years.
- 438 miles of line rehabilitation proposed in the next 10 years.
- 371 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,877,416,547.
- Estimated funding needs for projects from 6 to 10 years: \$361,668,833.
- Average age of wastewater treatment plants is 33 years.
- Total number of interconnected systems is 48.
- 2,154 miles of sewer lines less than 15 years old.
- 4,758 miles of sewer lines between 15 and 30 years old.
- 4,959 miles of sewer lines between 31 and 50 years old.
- 3,718 miles of sewer lines between 51 and 70 years old.
- 2,308 miles of sewer lines greater than 70 years old.



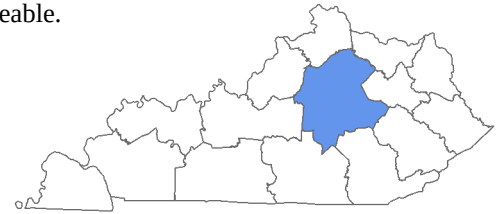
Area Development District Demographic and Asset Condition Summary

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	567,685	75%	\$ 408,739,323		
Barren River Area Development District	284,195	316,297	127,144	45%	\$ 130,921,793		
Big Sandy Area Development District	154,093	148,051	42,485	28%	\$ 75,476,687		
Buffalo Trace Area Development District	56,478	58,306	19,669	37%	\$ 15,448,198		
Cumberland Valley Area Development District	236,618	237,501	77,945	34%	\$ 221,708,026		
Five County Area Development District	137,884	139,098	71,362	53%	\$ 110,562,360		
Green River Area Development District	213,472	220,544	134,361	64%	\$ 89,236,710		
Gateway Area Development District	81,652	87,651	36,255	42%	\$ 48,210,067		
Kentuckiana Regional Planning and Development Agency	959,091	1,058,343	837,505	89%	\$ 387,369,747		
Kentucky River Area Development District	114,762	111,267	29,398	25%	\$ 109,121,895		
Lake Cumberland Area Development District	207,256	221,481	58,496	28%	\$ 81,649,746		
Lincoln Trail Area Development District	269,117	295,040	108,069	41%	\$ 92,432,963		
Northern Kentucky Area Development District	438,647	488,377	362,338	83%	\$ 68,266,997		
Pennyrile Area Development District	219,305	226,580	109,833	52%	\$ 164,487,952		
Purchase Area Development District	196,393	201,697	95,384	49%	\$ 235,452,916		
Demographic Totals	4,339,367	4,672,754	2,677,929	62%	\$ 2,239,085,380		
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	29	6	349	742	1,149	740	393
Barren River Area Development District	40	2	159	299	497	66	9
Big Sandy Area Development District	26	1	114	226	19	58	2
Buffalo Trace Area Development District	34	1	97	39	68	58	0
Cumberland Valley Area Development District	36	2	120	155	211	88	126
FIVCO	37	9	51	250	196	88	6
Green River Area Development District	42	7	115	243	258	187	221
Gateway Area Development District	27	0	81	210	76	27	1
Kentuckiana Regional Planning & Development Agency	33	1	400	1,267	1,187	740	530
Kentucky River Area Development District	26	1	112	78	103	37	0
Lake Cumberland Area Development District	27	3	113	136	207	21	98
Lincoln Tral Area Development District	35	3	176	252	127	404	23
Northern Kentucky Area Development District	25	3	99	623	677	456	248
Pennyrile Area Development District	38	7	99	168	146	235	400
Purchase Area Development District	34	2	69	70	38	513	251
Asset Condition Averages and Totals:	33	48	2,154	4,758	4,959	3,718	2,308



Bluegrass Area Development District (BGADD)

- 2010 census population of 770,404 (340,939 households) with 75% serviceable.
- Projected 2020 population of 862,521 (change of 92,117).
- 3,372.91 miles of existing sewer lines.
- 256.00 miles of line extensions proposed in the next 10 years.
- 43.00 miles of line rehabilitation proposed in the next 10 years.
- 86.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$285,668,273.
- Estimated funding needs for projects from 6 to 10 years: \$123,071,050.
- Average age of wastewater treatment plants is 29 years.
- Total number of interconnected systems is 6.
- 349 miles of sewer lines less than 15 years old.
- 742 miles of sewer lines between 15 and 30 years old.
- 1,149 miles of sewer lines between 31 and 50 years old.
- 740 miles of sewer lines between 51 and 70 years old.
- 393 miles of sewer lines greater than 70 years old.



Bluegrass Area Development District has a 2010 census population count of 770,404 (340,939 households) with a projected 2020 population count of 862,521 (355,488 households). Public sewer is currently available to approximately 75 percent of the district's households based on 2010 census counts. Over the next ten years approximately 7,244 serviceable households will be added through the construction of 256.00 miles of sewer line extensions and approximately 85,022 instances of improved service through the rehabilitation of 43.00 miles of existing sewer lines and other appurtenances. 86.00 miles of interceptor lines are also proposed within this district.

County Summary for Bluegrass Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Anderson	21,421	9,127	23,555	9,582	5,749	63%	\$ 2,000,000
Bourbon	19,985	8,927	20,530	8,478	5,490	62%	\$ 9,145,000
Boyle	28,432	12,312	29,048	11,782	8,693	71%	\$ 15,931,077
Clark	35,613	15,706	37,985	15,800	11,106	71%	\$ 43,254,705
Estill	14,672	6,865	14,359	6,115	2,280	33%	\$ 44,073,000
Fayette	295,803	135,160	334,733	141,152	131,252	97%	\$ 19,851,640
Franklin	49,285	23,164	50,777	21,761	17,488	76%	\$ 65,059,853
Garrard	16,912	7,463	19,122	7,917	1,855	25%	\$ 10,416,220
Harrison	18,846	8,208	19,640	8,006	3,210	39%	\$ 432,000
Jessamine	48,586	19,331	58,928	22,184	14,487	75%	\$ 34,521,700
Lincoln	24,742	10,819	26,170	10,762	3,373	31%	\$ 17,435,420
Madison	82,916	35,043	95,333	38,093	22,107	63%	\$ 82,820,842
Mercer	21,331	9,941	21,810	9,299	4,395	44%	\$ 2,024,727
Nicholas	7,135	3,261	7,411	3,012	1,292	40%	\$ 2,330,000
Powell	12,613	5,598	12,319	4,860	1,924	34%	\$ 9,612,139
Scott	47,173	19,303	63,984	25,538	12,781	66%	\$ 43,245,000
Woodford	24,939	10,711	26,817	11,147	7,308	68%	\$ 6,586,000
Totals	770,404	340,939	862,521	355,488	254,790	75%	\$ 408,739,323

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	10,477	4,788
KY0028355	Danville - Perryville WWTP	Boyle	881	412
KY0057193	Danville Municipal Sewer System	Boyle	18,948	8,247
KY0037991	Winchester Municipal Utilities	Clark	25,141	11,106
KY0025909	Irvine Municipal Utilities	Estill	4,656	2,280
KY0021491	LFUCG - Town Branch	Fayette	121,836	54,556
KY0044351	Coolbrook Subdivision	Franklin	660	256
KY0074977	Edgewood Subdivision	Franklin	188	81
KY0022861	Frankfort Sewer Department	Franklin	34,505	17,094
KY0074802	Ridgewood Sewer District LLC	Franklin	176	67
KY0020974	Lancaster Wastewater Treatment Plant and Sewer Department	Garrard	3,992	1,855
05011006	Berry Sewer System	Harrison	288	118
KY0105856	Cynthiana Sewer Department	Harrison	6,581	3,044
KY0076635	Harrison County Sanitation District - Cedarbrook Subdivision	Harrison	131	45
KYP000072	Jessamine South Elkhorn Water District	Jessamine	1,667	741
KY0021504	LFUCG - West Hickman	Jessamine	164,940	76,737
KY0100404	Nicholasville Sewer Department	Jessamine	29,116	11,862
KY0028428	Wilmore Sewer Department	Jessamine	5,243	1,843
KY0065897	Crab Orchard Sewer Department	Lincoln	894	447
KYP000094	Lincoln County Sanitary Sewer	Lincoln	1,726	765
KY0024619	Stanford Sewer Department	Lincoln	4,851	2,142
KY0079898	Berea Sewer Department	Madison	14,194	5,882
KY0102971	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,313	563
KY0056561	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	193	88
KY0111449	Northern Madison County Sanitation District - Muddy Creek WWTP	Madison	790	362
KY0105376	Northern Madison County Sanitation District - Regional Plant	Madison	2,662	1,028
KY0107107	Richmond Utilities - Otter Creek	Madison	31,846	13,956
KY0103357	Richmond Utilities - Silver Creek	Madison	396	228
KY0027421	Harrodsburg Sewer Department	Mercer	8,700	4,087
KYP000080	Mercer County Sanitation District	Mercer	808	347
KY0020923	Carlisle Sewer Department	Nicholas	2,311	1,178
KIA181001	Nicholas County Sanitation District #2	Nicholas	183	107
KYP000084	Clay City Wastewater	Powell	1,213	585
KY0104078	Powells Valley Water District Sewer Division	Powell	71	59
KY0034428	Red River Wastewater Authority	Powell	32	17
KYP000085	Stanton, City of	Powell	2,890	1,263
KY0020150	GMWSS STP #1	Scott	28,325	11,730
KY0082007	GMWSS STP #2	Scott	1,500	566
KY0050512	GMWSS STP #3 - Stamping Ground	Scott	808	360
KY0081591	Longview Land Company LLC	Scott	346	123
KY0028410	Midway Sewer Department	Woodford	1,722	751
KY0020621	Versailles Municipal Wastewater	Woodford	15,614	6,547
		Totals:	567,653	254,771



Project Rankings For Bluegrass Area Development District

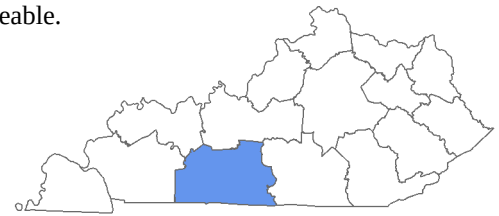
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21209012	Georgetown/Scott County South Sewer Extension	0-2 Years	Partially Funded	\$6,495,000	Scott	1	1
SX21151057	BMU - Madison County Airport - Sewer Line Extension Project	0-2 Years	Not Funded	\$620,350	Madison	2	3
SX21021004	Danville Major Sewer System Rehabilitation	0-2 Years	Not Funded	\$1,740,000	Boyle	3	2
SX21113026	Wilmore Wastewater Collection System Rehabilitation - Phase 2	0-2 Years	Not Funded	\$530,000	Jessamine	4	1
SX21065008	Kelly Pump Station 6-Inch Force Main Replacement - Imu	3-5 Years	Not Funded	\$250,000	Estill	5	2
SX21137023	LCSD - US 127 Corridor Sanitary Sewer Project, Phase 2	0-2 Years	Not Funded	\$4,956,500	Lincoln	6	1
SX21073029	Farmdale SD - Phase I Collection System & 0.75 MGD WWTP	0-2 Years	Partially Funded	\$12,500,000	Franklin	7	2
SX21049044	WMU - Strodes Creek WWTP Solids Processing Facility Improvements	0-2 Years	Not Funded	\$3,000,000	Clark	8	4
SX21197014	Clay City Business Park Sewer Extension Project	0-2 Years	Not Funded	\$205,631	Powell	9	3
SX21079019	Lancaster Sanitary Sewer Improvements Project	0-2 Years	Partially Funded	\$5,564,800	Garrard	10	3
SX21197004	Clay City - Phase II Sewer System Rehab	0-2 Years	Partially Funded	\$332,308	Powell	11	1
SX21017010	City of Paris-Southern Hills Sanitary Sewer Collection Project	3-5 Years	Not Funded	\$1,820,000	Bourbon	12	4
SX21167019	M C S D - Gwinn Island Road Sanitary Sewer Extension	0-2 Years	Not Funded	\$1,521,477	Boyle	13	1
SX21073069	Frankfort Sewer Department WWTP Headworks Replacement	0-2 Years	Not Funded	\$5,900,000	Franklin	14	4
SX21151054	Richmond - Silver Creek Outfall Sewer, Phase I	0-2 Years	Not Funded	\$10,142,000	Madison	15	6
SX21021006	Danville - Wastewater Treatment Plant Improvements	0-2 Years	Partially Funded	\$9,750,600	Boyle	16	5
SX21017004	City of Paris - Claysville Trunk Sewer Replacement Project, Phase II	0-2 Years	Not Funded	\$1,825,000	Bourbon	17	3
SX21137022	Stanford Sewer Rehabilitation - Phase I	0-2 Years	Not Funded	\$2,020,000	Lincoln	18	4
SX21073070	Frankfort Sewer Department Capital Avenue River Interceptor	0-2 Years	Not Funded	\$1,750,000	Franklin	19	3
SX21049026	WMU - Flanagan and Madison Outfall Sewers	0-2 Years	Not Funded	\$6,430,000	Clark	20	5
SX21151022	Boone Village Wastewater Collection System	3-5 Years	Not Funded	\$928,000	Madison	21	1
SX21017013	BCFC - Bedford Acres Sanitary Sewer Project Phase 2	0-2 Years	Not Funded	\$1,850,000	Bourbon	22	2
SX21239014	Versailles - WWTP Improvements - Belt Filter Press Replacement	0-2 Years	Not Funded	\$1,000,000	Woodford	24	9
SX21151052	BMU - Walnut Meadow Pump Station & South Middletown Trunk Sewer Improvements	0-2 Years	Over Funded	\$2,050,336	Madison	25	7
SX21073047	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	0-2 Years	Not Funded	\$1,500,000	Franklin	26	6
SX21049038	WMU - Strodes Creek WWTP Improvements	3-5 Years	Not Funded	\$4,000,000	Clark	27	10
SX21137019	Lincoln County Fiscal Court - Rowland Sanitary Sewer Extension	0-2 Years	Not Funded	\$130,000	Lincoln	28	6
SX21113018	Windhaven Drive Sewer Collection System	0-2 Years	Not Funded	\$450,000	Jessamine	29	3
SX21017005	City of Paris-Mill Run Road & Cathy Drive Sanitary Sewer Project	3-5 Years	Not Funded	\$900,000	Bourbon	30	6
SX21239006	Southeast Sewer System Expansion	6-10 Years	Not Funded	\$3,996,000	Woodford	31	10
SX21197011	Powells Valley - Cabin Country Sanitary Sewer Extensions Project	3-5 Years	Not Funded	\$385,000	Powell	32	7
SX21017009	Bourbon County Fiscal Court - Centerville Sewer Project	0-2 Years	Partially Funded	\$2,500,000	Bourbon	33	7

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21073079	Frankfort Sewer Department Mero Street Pump Station Replacement	0-2 Years	Not Funded	\$2,050,000	Franklin	34	7
SX21197015	Stanton - Sewer Service Area Expansion, Phase 2	3-5 Years	Not Funded	\$1,419,400	Powell	35	4
SX21067017	Expansion Area 1 - LFUCG	0-2 Years	Not Funded	\$8,600,000	Fayette	36	4
SX21065007	Covey Road Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	\$201,000	Estill	37	6
SX21151039	NMCSD - Madison Village Collection System Rehab	0-2 Years	Not Funded	\$2,168,500	Madison	38	9
SX21065006	Wall Street Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	\$309,000	Estill	39	5
SX21017018	Bourbon County Fiscal Court - Bedford Acres Storm Water Control	0-2 Years	Fully Funded	\$1,425,004	Bourbon	40	1
SX21137015	Stanford - US 27 South Sewer Expansion Project	3-5 Years	Not Funded	\$5,326,420	Lincoln	41	8
SX21073072	Frankfort Sewer Department Buffalo Alley Pump Station Replacement	0-2 Years	Not Funded	\$1,300,000	Franklin	42	5
SX21079015	Lancaster Sewer Line Extension to Industrial Park	3-5 Years	Not Funded	\$403,550	Garrard	43	7
SX21049025	East Washington Street and Flanagan Street Sanitary Sewer System Improvements	3-5 Years	Not Funded	\$2,507,000	Clark	44	8
SX21073076	Frankfort - Thornhill Sanitary Sewer Replacement	3-5 Years	Not Funded	\$4,026,000	Franklin	45	8
SX21049033	Winchester - Lincoln Street Redevelopment Project - Sewer	0-2 Years	Not Funded	\$151,455	Clark	46	2
SX21113022	Nicholasville I - Vincewood Drive Sewer Main Extension	3-5 Years	Not Funded	\$450,000	Jessamine	47	2
Total Cost:				\$127,380,331			

Barren River Area Development District (BRADD)

- 2010 census population of 284,195 (126,280 households) with 45% serviceable.
- Projected 2020 population of 316,297 (change of 32,102).
- 1,030.94 miles of existing sewer lines.
- 101.00 miles of line extensions proposed in the next 10 years.
- 35.00 miles of line rehabilitation proposed in the next 10 years.
- 18.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$118,743,793.
- Estimated funding needs for projects from 6 to 10 years: \$12,178,000.
- Average age of wastewater treatment plants is 40 years.
- Total number of interconnected systems is 2.
- 159 miles of sewer lines less than 15 years old.
- 299 miles of sewer lines between 15 and 30 years old.
- 497 miles of sewer lines between 31 and 50 years old.
- 66 miles of sewer lines between 51 and 70 years old.
- 9 miles of sewer lines greater than 70 years old.



Barren River Area Development District has a 2010 census population count of 284,195 (126,280 households) with a projected 2020 population count of 316,297 (128,239 households). Public sewer is currently available to approximately 45 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,309 serviceable households will be added through the construction of 101.00 miles of sewer line extensions and approximately 13,394 instances of improved service through the rehabilitation of 35.00 miles of existing sewer lines and other appurtenances. 18.00 miles of interceptor lines are also proposed within this district.

County Summary for Barren River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Allen	19,956	9,307	22,366	9,171	2,104	23%	\$ 11,136,024
Barren	42,173	19,188	46,361	19,245	8,948	47%	\$ 15,536,500
Butler	12,690	5,877	12,544	5,178	1,106	19%	\$ 989,840
Edmonson	12,161	6,467	12,628	5,283	1,060	16%	\$ 11,158,771
Hart	18,199	8,559	18,690	7,604	2,404	28%	\$ 8,439,967
Logan	26,835	12,339	27,382	11,301	4,890	40%	\$ 35,664,000
Metcalfe	10,099	4,681	10,329	4,306	824	18%	\$ 2,665,000
Monroe	10,963	5,204	10,405	4,423	1,589	31%	\$ 3,729,323
Simpson	17,327	7,435	18,342	7,429	4,503	61%	\$ 26,123,368
Warren	113,792	47,223	137,250	54,299	29,330	62%	\$ 15,479,000
Totals	284,195	126,280	316,297	128,239	56,758	45%	\$ 130,921,793

Public Sewer Systems in the Barren River Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024783	Scottsville Municipal Water & Sewer Department	Allen	4,313	2,104
KY0095443	Bon Ayr Estates MH Park	Barren	31	13
KY0021164	Glasgow Water Company	Barren	15,071	7,238
KY0021024	Morgantown Utilities	Butler	2,416	1,106
KY0023396	Brownsville Municipal Water & Sewer	Edmonson	805	404
KYP000087	Edmonson Co Water District	Edmonson	104	57
KY0091561	Caveland Environmental Authority	Hart	8,241	3,902
KY0031755	Munfordville Municipal Water/Sewer Commission	Hart	1,584	780
KY0020885	Adairville Sewer Department	Logan	890	432
KY0021202	Auburn Sewer Department	Logan	1,459	680
KY0024881	Lewisburg Municipal Water & Sewer Department	Logan	856	461
KY0020877	Russellville Municipal Sewer Department	Logan	6,840	3,317
KY0028100	Edmonton Water Works	Metcalfe	1,625	824
KIA171001	Fountain Run Water District #1	Monroe	228	134
KY0095257	Gamaliel Municipal Water & Wastewater Department	Monroe	488	229
KY0020702	Tompkinsville Sewer Department	Monroe	2,458	1,228
KY0027456	Franklin Sewer Department	Simpson	10,201	4,503
KY0022403	Bowling Green Municipal Utilities	Warren	54,421	23,172
KYP000032	Warren County Water District	Warren	15,078	6,156
		Totals:	127,109	56,740



Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21009044	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	\$1,000,000	Barren	1	1
SX21031009	Morgantown - Sewer Main Infrastructure Replacement/Repair to Sewer Main	3-5 Years	Not Funded	\$500,000	Butler	2	1
SX21003024	City of Scottsville - US 231 Sewer Extension	0-2 Years	Not Funded	\$4,341,000	Allen	3	1
SX21099022	Munfordville Sewer Extensions and Pump Station Rehabilitations	0-2 Years	Not Funded	\$1,430,525	Hart	4	1
SX21171020	Tompkinsville WWTP Expansion & Sanitary Sewer Collection Improve	0-2 Years	Not Funded	\$2,386,448	Monroe	5	1
SX21141014	Lewisburg Sewer System Upgrade	0-2 Years	Partially Funded	\$1,500,000	Logan	6	1
SX21227074	BGMU - Veterans Memorial FM	0-2 Years	Not Funded	\$7,300,000	Warren	7	1
SX21169007	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	\$400,000	Metcalfe	8	1
SX21061007	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	\$3,315,000	Edmonson	9	1
SX21213027	City of Franklin - Manhole Rehabilitation Project	3-5 Years	Not Funded	\$258,750	Simpson	10	1
SX21099023	Horse Cave Regional Water Replacement Facility Expansion Project	0-2 Years	Not Funded	\$2,806,000	Hart	11	2
SX21141048	City of Auburn - Upgrade of Existing Wastewater Treatment Plant	0-2 Years	Partially Funded	\$6,600,000	Logan	12	2
SX21171003	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	\$1,000,000	Monroe	13	2
SX21213036	City of Franklin - Lamb Drive Sewer Line Replacement	0-2 Years	Not Funded	\$100,000	Simpson	14	2
SX21227036	WCWD - Pioneer Drive/Twn Lift Station Upgrade	6-10 Years	Not Funded	\$200,000	Warren	15	2
SX21031010	Morgantown - Sanitary Sewer Infiltration Project-Phase I	3-5 Years	Not Funded	\$300,000	Butler	16	2
SX21009045	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	\$900,000	Barren	17	2
SX21003036	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	\$1,912,850	Allen	18	2
SX21169011	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	\$350,000	Metcalfe	19	2
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	\$7,843,771	Edmonson	20	2
SX21009049	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	\$505,000	Barren	21	3
SX21227048	BGMU - Emergency Generator for Jennings Creek Lift Station	0-2 Years	Not Funded	\$130,000	Warren	22	3
SX21141042	City of Lewisburg - Line C Collection System Replacement	3-5 Years	Not Funded	\$62,000	Logan	23	3
SX21003022	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	\$1,250,000	Allen	24	3
SX21169001	WWTP SCADA Upgrade	0-2 Years	Not Funded	\$550,000	Metcalfe	25	3
SX21099021	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	\$1,450,000	Hart	26	3
SX21213017	City of Franklin - North Franklin Sewer Line Extensions	0-2 Years	Not Funded	\$6,074,462	Simpson	27	3
SX21171018	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	\$193,000	Monroe	28	3
SX21031011	City of Morgantown - Sanitary Sewer Extension - Hwy 231	3-5 Years	Not Funded	\$37,840	Butler	29	3
SX21009039	CEA - 90 East	0-2 Years	Fully Funded	\$460,000	Barren	30	4
SX21171019	Sewer Collections and I/I Project Phase I	0-2 Years	Not Funded	\$149,875	Monroe	31	4
SX21099006	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	\$400,000	Hart	32	4
SX21003011	City of Scottsville - South Court Street Sewer Rehab	3-5 Years	Not Funded	\$750,000	Allen	33	4

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21227059	WCWD - Memphis Junction Lift Station Upgrade	3-5 Years	Not Funded	\$1,243,000	Warren	34	4
SX21141024	City of Auburn - Wastewater Project #2 - Replace Lift Stations	3-5 Years	Not Funded	\$750,000	Logan	35	4
SX21169008	Edmonton - River Road Project Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	36	4
SX21213019	City of Franklin - Highlands Subdivision Sewer Line Replacement	3-5 Years	Not Funded	\$630,000	Simpson	37	4
SX21031006	Morgantown - Sawmill Road Sewer Extension	3-5 Years	Not Funded	\$80,000	Butler	38	4
SX21171013	City of Tompkinsville - East Industrial Park Sewer Improvements	3-5 Years	Fully Funded	\$100,000	Monroe	39	5
SX21141035	Russellville - Hwy 431 South Sewer Project	3-5 Years	Not Funded	\$4,150,000	Logan	40	5
SX21227069	BGMU - Sewer Line Rehabilitation	3-5 Years	Not Funded	\$500,000	Warren	41	5
SX21003012	Holt Drive Sewer	0-2 Years	Not Funded	\$282,174	Allen	42	5
SX21099026	Progress Park Industrial Park Pretreatment Expansion	0-2 Years	Not Funded	\$2,353,442	Hart	43	5
SX21169005	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	\$25,000	Metcalfe	44	5
SX21213013	City of Franklin - Patton Rd Sub 8" Sewer	0-2 Years	Not Funded	\$2,312,000	Simpson	45	5
SX21031005	Morgantown - North Taylor Street Sewer Extension	3-5 Years	Not Funded	\$72,000	Butler	46	5
Total Cost:				\$69,254,137			

Big Sandy Area Development District (BSADD)

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- A map of South Africa with its provincial boundaries. The Eastern Cape province, located in the southeast, is highlighted in blue. The rest of the country is shown in white with black outlines for the provinces.

Big Sandy Area Development District has a 2010 census population count of 154,093 (70,217 households) with a projected 2020 population count of 148,051 (61,704 households). Public sewer is currently available to approximately 28 percent of the district's households based on 2010 census counts. Over the next ten years approximately 5,723 serviceable households will be added through the construction of 92.00 miles of sewer line extensions and approximately 2,307 instances of improved service through the rehabilitation of 13.00 miles of existing sewer lines and other appurtenances. 2.00 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	5,972	33%	\$ 20,683,818
Johnson	23,356	10,624	23,265	9,647	3,409	32%	\$ 11,516,500
Magoffin	13,333	5,950	13,587	5,696	1,385	23%	\$ 5,163,985
Martin	12,929	5,164	12,055	4,410	1,112	22%	\$ 4,357,738
Pike	65,024	30,304	61,991	26,357	8,079	27%	\$ 33,754,646
Totals	154,093	70,217	148,051	61,704	19,957	28%	\$ 75,476,687

Public Sewer Systems in the Big Sandy Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026921	Martin Water Works	Floyd	916	501
KY0027413	Prestonsburg City's Utilities Commission	Floyd	8,666	4,020
KY0107051	Prestonsburg City's Utilities Commission - Eastern Sewer Plant	Floyd	125	54
KY0109258	Prestonsburg City's Utilities Commission - Harold	Floyd	771	366
KY0105228	Prestonsburg City's Utilities Commission - Wayland	Floyd	479	238
KY0028789	Wheelwright Utilities Commission	Floyd	933	379
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	2,790	1,161
KY0020630	Paintsville Utilities Commission - Paintsville STP	Johnson	5,258	2,532
KY0083208	Paintsville Utilities Commission - Thelma Waste Control Inc #1	Johnson	154	109
KY0083895	Paintsville Utilities Commission - Thelma Waste Control Inc #2	Johnson	56	22
KY0104540	Salyersville Water Works	Magoffin	3,093	1,385
KY0079316	Martin County Sanitation District	Martin	1,289	601
KY0107905	Martin County Sanitation District - Tug Valley Sewer Authority	Martin	975	510
KY0025291	City of Pikeville	Pike	9,726	4,506
KY0020958	Elkhorn City Water Department	Pike	1,041	516
KYP000067	Mountain Water District	Pike	2,069	989
KY0042811	Mountain Water District - Douglas	Pike	2,216	1,100
KY0104442	Mountain Water District - Phelps Freeburn	Pike	1,928	968
		Totals:	42,485	19,957

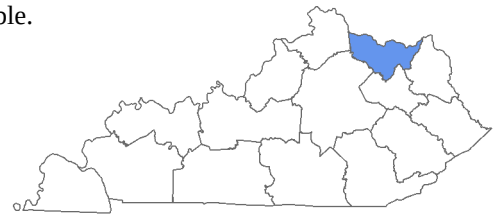


Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21159006	Martin County Sanitation District - KY 645 Development Area Sewer Extensions	3-5 Years	Not Funded	\$404,905	Martin	1	4
SX21115009	KY Hwy 23 Sewer Extension	0-2 Years	Not Funded	\$3,026,500	Johnson	2	1
SX21195102	Pikeville Yorkwood Forest Subdivision Sewerline Extension South Along US 23	3-5 Years	Not Funded	\$391,800	Pike	3	1
SX21071015	Wastewater Treatment Plant Agreed Order Project	0-2 Years	Not Funded	\$787,719	Floyd	4	1
SX21153004	Magoffin County Garage Lift Station and Line Replacement Project	3-5 Years	Not Funded	\$735,000	Magoffin	5	1
SX21115015	Paintsville Utility Commission - Southside	11-20 Years	Not Funded	\$730,900	Johnson	6	2
SX21071902	Wheelwright - Replacement of Sewer System	3-5 Years	Not Funded	\$587,000	Floyd	7	2
SX21159009	Martin County Sewerline Extension Davellia to New Route 3	0-2 Years	Not Funded	\$942,103	Martin	8	3
SX21195032	Elkhorn City - Wastewater Collection Improvements Project	0-2 Years	Not Funded	\$1,539,500	Pike	9	2
SX21153005	Allen Drive Lift Station	0-2 Years	Not Funded	\$168,285	Magoffin	10	2
SX21195696	MWD - Forest Hills Phase III	3-5 Years	Not Funded	\$1,050,000	Pike	11	3
SX21159008	Martin County Sewerline Extension Deboard to Davellia	3-5 Years	Not Funded	\$1,010,730	Martin	12	2
SX21153509	Phase IV Burning Fork Birch to Bradley	6-10 Years	Not Funded	\$2,215,700	Magoffin	13	3
SX21071014	Prestonsburg City's Utilities Commission (PCUC) Allen and Dwale	0-2 Years	Partially Funded	\$600,036	Floyd	14	3
SX21159007	Martin County Sanitation District - Belt Press and Sludge Handling	0-2 Years	Not Funded	\$2,000,000	Martin	15	1
SX21071234	PCUC - Lakeview Village Sewer System	0-2 Years	Not Funded	\$212,000	Floyd	16	4
SX21153510	Phase V - Burning Fork Bradley to Ivyington	11-20 Years	Not Funded	\$1,100,000	Magoffin	17	4
SX21153523	Mash Fork Sewer Extension	6-10 Years	Not Funded	\$2,045,000	Magoffin	18	5
SX21195105	Pikeville Cedar Creek Sewer Extension	0-2 Years	Not Funded	\$550,000	Pike	19	5
SX21071001	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	3-5 Years	Not Funded	\$150,000	Floyd	20	5
SX21195139	Buckleys Creek Sewer	6-10 Years	Not Funded	\$355,000	Pike	21	6
SX21071006	City of Martin New Sewerline Extention to Eliminate Package Treatment Plants	3-5 Years	Not Funded	\$1,882,000	Floyd	22	6
SX21195131	Hurricane Creek	3-5 Years	Not Funded	\$6,108,250	Pike	23	7
SX21195120	Pikeville Sewer Telemetry Project	0-2 Years	Partially Funded	\$375,000	Pike	24	8
SX21195027	John Moore's Branch Industrial Park Sewerline Extension	3-5 Years	Not Funded	\$2,050,000	Pike	25	9
SX21195029	Stonecoal Sanitary Sewer Project	0-2 Years	Not Funded	\$1,050,348	Pike	26	10
SX21195030	Pike County Airport Sewer Line Extension	3-5 Years	Not Funded	\$2,460,150	Pike	27	11
Total Cost:				\$34,527,926			

Buffalo Trace Area Development District (BTADD)

- 2010 census population of 56,478 (26,144 households) with 37% serviceable.
- Projected 2020 population of 58,306 (change of 1,828).
- 264.66 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.
- 22.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,095,198.
- Estimated funding needs for projects from 6 to 10 years: \$7,353,000.
- Average age of wastewater treatment plants is 34 years.
- Total number of interconnected systems is 1.
- 97 miles of sewer lines less than 15 years old.
- 39 miles of sewer lines between 15 and 30 years old.
- 68 miles of sewer lines between 31 and 50 years old.
- 58 miles of sewer lines between 51 and 70 years old.
- 0 miles of sewer lines greater than 70 years old.



Buffalo Trace Area Development District has a 2010 census population count of 56,478 (26,144 households) with a projected 2020 population count of 58,306 (24,059 households). Public sewer is currently available to approximately 37 percent of the district's households based on 2010 census counts. Over the next ten years approximately 639 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 3,149 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 22.00 miles of interceptor lines are also proposed within this district.

County Summary for Buffalo Trace Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bracken	8,488	3,840	8,744	3,538	954	25%	\$ 1,126,550
Fleming	14,348	6,623	14,880	6,231	1,820	28%	\$ 525,000
Lewis	13,870	6,481	13,899	5,717	1,704	26%	\$ 8,175,000
Mason	17,490	8,105	18,419	7,608	4,789	59%	\$ 3,662,648
Robertson	2,282	1,095	2,364	965	291	27%	\$ 1,959,000
Totals	56,478	26,144	58,306	24,059	9,558	37%	\$ 15,448,198

Public Sewer Systems in the Buffalo Trace Area Development District

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

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



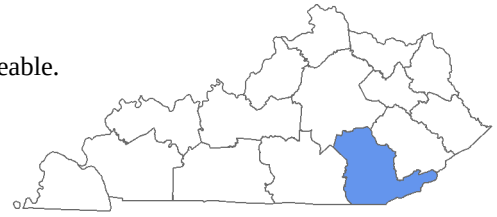
Project Rankings For Buffalo Trace Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21161026	Maysville Flood Water Control Pump	0-2 Years	Partially Funded	\$472,148	Mason	1	1
SX21023007	Augusta-2nd Street and Hamilton Avenue Sewer Relinement	3-5 Years	Not Funded	\$286,550	Bracken	2	1
SX21135010	Vanceburg - Meadowbrook & Black Oak Sewer Consolidation	0-2 Years	Not Funded	\$3,031,000	Lewis	3	1
SX21069017	Fox Valley Recreation Area PTP replacement	3-5 Years	Not Funded	\$900,000	Fleming	4	1
SX21161027	East Kentucky Lift Station Rehabilitation	0-2 Years	Not Funded	\$50,000	Mason	5	4
SX21201008	Mt. Olivet -Wastewater Treatment Plant Upgrade	3-5 Years	Partially Funded	\$1,300,000	Robertson	6	1
SX21069020	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Partially Funded	\$525,000	Fleming	7	2
SX21135020	LCSD Sewer Extension to Burtonville	3-5 Years	Not Funded	\$1,080,000	Lewis	8	2
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	\$840,000	Bracken	9	2
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	\$950,000	Mason	10	2
SX21201005	Mt. Olivet Phase III Sewer Line Extension	6-10 Years	Not Funded	\$659,000	Robertson	11	2
SX21201004	Mt. Olivet-Extend Service to Sardis From KY 616	11-20 Years	Not Funded	\$2,353,000	Robertson	12	3
SX21161021	Western Mason Lift Station Upgrade	3-5 Years	Not Funded	\$500,500	Mason	13	3
SX21135002	Garrison Sewer Phase II	6-10 Years	Not Funded	\$2,000,000	Lewis	14	3
SX21135013	3037 Collection	6-10 Years	Not Funded	\$1,000,000	Lewis	15	4
SX21161028	Wall Street Combined Sewer Elimination	3-5 Years	Not Funded	\$850,000	Mason	16	5
SX21135022	Tollesboro Industrial Park (Sewer)	6-10 Years	Not Funded	\$270,000	Lewis	17	5
SX21135003	Garrison Sewer Phase III	11-20 Years	Not Funded	\$1,500,000	Lewis	18	6
SX21135007	LCSD-Ribolt Area	6-10 Years	Not Funded	\$794,000	Lewis	19	7
Total Cost:				\$19,361,198			



Cumberland Valley Area Development District (CVADD)

- 2010 census population of 236,618 (104,865 households) with 34% serviceable.
- Projected 2020 population of 237,501 (change of 883).
- 701.92 miles of existing sewer lines.
- 584.00 miles of line extensions proposed in the next 10 years.
- 34.00 miles of line rehabilitation proposed in the next 10 years.
- 47.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$130,165,169.
- Estimated funding needs for projects from 6 to 10 years: \$91,542,857.
- Average age of wastewater treatment plants is 36 years.
- Total number of interconnected systems is 2.
- 120 miles of sewer lines less than 15 years old.
- 155 miles of sewer lines between 15 and 30 years old.
- 211 miles of sewer lines between 31 and 50 years old.
- 88 miles of sewer lines between 51 and 70 years old.
- 126 miles of sewer lines greater than 70 years old.



Cumberland Valley Area Development District has a 2010 census population count of 236,618 (104,865 households) with a projected 2020 population count of 237,501 (97,085 households). Public sewer is currently available to approximately 34 percent of the district's households based on 2010 census counts. Over the next ten years approximately 19,939 serviceable households will be added through the construction of 584.00 miles of sewer line extensions and approximately 22,614 instances of improved service through the rehabilitation of 34.00 miles of existing sewer lines and other appurtenances. 47.00 miles of interceptor lines are also proposed within this district.

County Summary for Cumberland Valley Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bell	28,691	13,154	27,648	11,714	6,302	48%	\$ 27,530,553
Clay	21,730	8,875	20,289	7,421	1,871	21%	\$ 17,149,343
Harlan	29,278	13,513	26,099	10,856	5,901	44%	\$ 32,344,403
Jackson	13,494	6,523	13,771	5,961	498	8%	\$ 1,400,000
Knox	31,883	14,485	32,132	13,362	4,632	32%	\$ 7,582,676
Laurel	58,849	25,446	64,713	26,415	9,261	36%	\$ 88,403,450
Rockcastle	17,056	7,703	17,593	7,308	2,067	27%	\$ 26,484,110
Whitley	35,637	15,166	35,256	14,048	4,918	32%	\$ 20,813,491
Totals	236,618	104,865	237,501	97,085	35,450	34%	\$ 221,708,026

Public Sewer Systems in the Cumberland Valley Area Development District

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

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



Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21013003	Virginia Avenue/Courthouse Square Utility Replacements & Revitalization	0-2 Years	Partially Funded	\$5,668,153	Bell	1	1
SX21095013	City of Loyall - CSO Elimination	0-2 Years	Not Funded	\$271,498	Harlan	2	1
SX21109001	Phase 1 - Wastewater System Rehabilitation	3-5 Years	Partially Funded	\$1,400,000	Jackson	3	1
SX21203317	City of Brodhead - WWTP Upgrade and Improvement	0-2 Years	Not Funded	\$5,000,000	Rockcastle	4	1
SX21095050	Harlan: Sanitary Sewer - Combined Sewer Rehabilitation	0-2 Years	Partially Funded	\$1,368,490	Harlan	5	2
SX21235005	Ball Park Pump Station/ Force Main - Phase II	0-2 Years	Not Funded	\$1,599,411	Whitley	6	2
SX21013005	Middlesboro WWTP UV Disinfection Addition	0-2 Years	Not Funded	\$950,000	Bell	7	2
SX21121003	Sewer Extension to Project Blossom Facility	0-2 Years	Not Funded	\$371,000	Knox	8	1
SX21235006	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	\$4,732,000	Whitley	9	1
SX21125322	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	\$10,150,000	Laurel	10	1
SX21203002	City of Mt. Vernon Sewer Lift Station Rehab Project	0-2 Years	Not Funded	\$835,000	Rockcastle	11	3
SX21203001	Wastewater Collection System Improvement Project	0-2 Years	Not Funded	\$293,110	Rockcastle	13	2
SX21203190	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	\$1,640,000	Rockcastle	14	4
SX21095055	Evarts Pride Wastewater Sewer Extension	3-5 Years	Not Funded	\$600,000	Harlan	15	3
SX21125318	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	\$1,199,266	Laurel	16	3
SX21253111	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greendale Street	3-5 Years	Not Funded	\$248,020	Laurel	17	2
SX21013006	Pineville WWTP Expansion	0-2 Years	Not Funded	\$9,500,000	Bell	18	3
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	\$3,085,000	Harlan	19	5
SX21051006	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	\$1,180,000	Clay	20	2
SX21125115	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	\$231,475	Laurel	22	4
SX21051007	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	\$425,000	Clay	23	1
SX21125006	Elza Road and Binder Subdivision Pressure Sewer Extension	0-2 Years	Not Funded	\$1,279,410	Laurel	24	7
SX21203191	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	\$5,500,000	Rockcastle	25	5
SX21095509	City of Benham Rehabilitation	3-5 Years	Not Funded	\$450,000	Harlan	26	4
SX21125151	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	\$4,000,000	Laurel	27	5
SX21125114	Corbin: Sanitary Sewer Service Along London Avenue, Haskew Avenue	6-10 Years	Not Funded	\$163,337	Knox	28	2
SX21095009	City of Cumberland Waste Water Treatment Plant Rehabilitation	0-2 Years	Not Funded	\$710,000	Harlan	29	6
SX21125519	London - Phase I to Serve The Area Between Parker Road (KY 3432) and I-75	0-2 Years	Not Funded	\$918,450	Laurel	30	6
Total Cost:				\$63,768,620			



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).
- 595.50 miles of existing sewer lines.
- 79.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- 7.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$92,791,060.
- Estimated funding needs for projects from 6 to 10 years: \$17,771,300.
- Average age of wastewater treatment plants is 37 years.
- Total number of interconnected systems is 9.
- 51 miles of sewer lines less than 15 years old.
- 250 miles of sewer lines between 15 and 30 years old.
- 196 miles of sewer lines between 31 and 50 years old.
- 88 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 2,095 serviceable households will be added through the construction of 79.00 miles of sewer line extensions and approximately 32,139 instances of improved service through the rehabilitation of 17.00 miles of existing sewer lines and other appurtenances. 7.00 miles of interceptor lines are also proposed within this district.

County Summary for Five County Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boyd	49,542	21,803	49,446	20,040	17,663	81%	\$ 44,545,000
Carter	27,720	12,311	28,459	11,508	2,897	24%	\$ 12,762,000
Elliott	7,852	3,371	8,078	3,011	381	11%	-
Greenup	36,910	16,330	36,923	15,046	9,281	57%	\$ 26,980,470
Lawrence	15,860	7,286	16,192	6,647	1,945	27%	\$ 26,274,890
Totals	137,884	61,101	139,098	56,252	32,167	53%	\$ 110,562,360

Public Sewer Systems in the Five County Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000035	Boyd County Sanitation District #2	Boyd	4,144	1,849
KYP000044	Boyd County Sanitation District #4	Boyd	10,732	4,124
KY0022373	City of Ashland	Boyd	21,626	10,513
KY0035467	City of Catlettsburg	Boyd	2,417	1,133
KY0025925	City of Olive Hill	Carter	1,821	890
KY0020931	Grayson Utility Commission	Carter	4,723	1,994
KY0052264	City of Sandy Hook	Elliott	721	381
KYP000040	Boyd & Greenup County Sanitation District #1	Greenup	3,377	1,415
KYP000039	City of Flatwoods	Greenup	7,722	3,445
KYP000091	City of Greenup	Greenup	1,129	479
KY0077194	City of Greenup - Alpine Village Subdivision	Greenup	51	20
KYP000038	City of Raceland	Greenup	2,390	1,109
KYP000037	City of Russell	Greenup	853	420
KY0026131	City of South Shore	Greenup	2,277	1,100
KY0022926	City of Worthington	Greenup	1,611	682
KYP000090	City of Wurtland	Greenup	1,165	519
KY0033553	Greenup Joint Sewer Agency	Greenup	192	80
KY0027961	City of Louisa	Lawrence	3,434	1,590
KYP000061	Lawrence County Fiscal Court	Lawrence	822	353
		Totals:	71,207	32,096



Project Rankings For Five County Area Development District

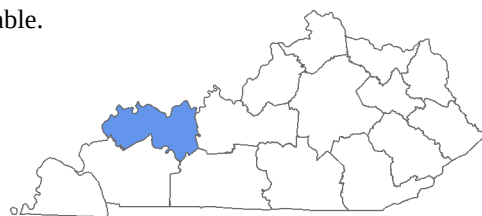
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21127030	City of Louisa I & I Rehab Project	3-5 Years	Partially Funded	\$3,339,890	Lawrence	1	1
SX21019065	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	0-2 Years	Not Funded	\$25,000,000	Boyd	2	4
SX21127029	Louisa: Wastewater Treatment Plant	3-5 Years	Not Funded	\$21,000,000	Lawrence	3	2
SX21089110	City of Russell I & I Study and Sewer Rehab Project	0-2 Years	Not Funded	\$500,500	Greenup	4	2
SX21043040	Tygart Creek Crossing Project	0-2 Years	Not Funded	\$135,000	Carter	5	2
SX21089122	East Park Site B Wastewater Improvements to GJSA Wastewater Trea	0-2 Years	Not Funded	\$5,000,000	Greenup	6	1
SX21019077	SD4: Rehab Ray Drive Sewer Line	0-2 Years	Not Funded	\$312,000	Boyd	7	1
SX21019062	Sd2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	\$2,173,000	Boyd	8	5
SX21089121	Rehab of sewer lines on Gregory and Diedrich	0-2 Years	Not Funded	\$173,000	Greenup	9	3
SX21089063	Worthington: CSO Phase 4 Project	3-5 Years	Not Funded	\$270,270	Greenup	10	
SX21043043	Clark Hill sewer line replacement	0-2 Years	Not Funded	\$150,000	Carter	11	1
SX21089111	Phase 2 Sewer Line Extension Project (Lloyd)	0-2 Years	Not Funded	\$4,215,000	Greenup	12	
SX21019079	Boyd County Sanitation District #4 - Hatchery Road Lift Station	0-2 Years	Not Funded	\$1,500,000	Boyd	13	2
SX21043017	Olive Hill: Rehab of City Lines to Replace Clay Pipe	0-2 Years	Not Funded	\$1,400,000	Carter	14	3
SX21089096	South Shore: Upgrade Forest Heights Collection Lines	3-5 Years	Not Funded	\$1,035,000	Greenup	15	4
SX21089056	City of Flatwoods I & I Study and Rehab Project	0-2 Years	Not Funded	\$650,000	Greenup	16	
SX21019053	SD4: Systemwide Pump Station Maintenance	0-2 Years	Not Funded	\$950,000	Boyd	17	3
SX21089093	Raceland: Update Systemwide SSES & I&I Study	3-5 Years	Not Funded	\$85,000	Greenup	18	
SX21043030	Grayson: Rolling Hills Subdivision Sewer Extension	3-5 Years	Not Funded	\$1,200,000	Carter	19	4
SX21089031	City of Raceland: Lynnwood Street Sewer Replacement	0-2 Years	Not Funded	\$38,000	Greenup	20	5
SX21089095	South Shore: Upgrade McKell Lift Station	0-2 Years	Not Funded	\$425,000	Greenup	21	
SX21043035	Grayson: Plantation Subdivision Sewer Extension Project	3-5 Years	Not Funded	\$1,900,000	Carter	22	5
SX21089083	Flatwoods: Jones Street Sewer Project	0-2 Years	Not Funded	\$650,000	Greenup	23	
SX21089016	Raceland: Pond Run Interceptor Force Main	6-10 Years	Not Funded	\$65,300	Greenup	24	
SX21089043	Worthington: Calumet Causeway Sewer Project	3-5 Years	Not Funded	\$55,000	Greenup	25	
SX21089064	Worthington: CSO Phase 5 Project	3-5 Years	Not Funded	\$185,900	Greenup	26	
SX21089080	Flatwoods: Federal Way Sewer Line Upgrade and Replacement	0-2 Years	Not Funded	\$400,000	Greenup	27	
SX21089042	Greenup: Alpine Village PTP and Outfall	3-5 Years	Not Funded	\$350,000	Greenup	28	
SX21089068	Raceland: Rogers Avenue Upgrade	0-2 Years	Not Funded	\$30,000	Greenup	29	
SX21089047	City of Wurtland Lift Station Rehab Project.	0-2 Years	Not Funded	\$21,500	Greenup	31	
SX21089036	Greenup: Rehab Or Replacement of Collection System	3-5 Years	Not Funded	\$2,000,000	Greenup	32	
SX21089108	Raceland: Rehab the Williams Avenue Lift Station	0-2 Years	Not Funded	\$250,000	Greenup	33	
SX21089116	City of Raceland: Greenup Avenue and Chinn Street Sewer Line Rep	0-2 Years	Not Funded	\$50,000	Greenup	34	
SX21089119	Rogers Avenue Upgrade	0-2 Years	Not Funded	\$30,000	Greenup	35	
SX21089003	Worthington Dry Beds Rehab Project	0-2 Years	Not Funded	\$80,000	Greenup	36	

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21089005	Worthington: Rehab Project to Replace Clay Pipe	0-2 Years	Not Funded	\$300,000	Greenup	37	
SX21089118	Worthington: Newman Drive sewer line replacement	0-2 Years	Not Funded	\$52,000	Greenup	38	
SX21089117	City of Wurtland: Literal Street Lift Station Rehab Project	0-2 Years	Not Funded	\$5,500	Greenup	39	
SX21043036	Olive Hill: Oxidation Ditch Upgrade and Electrical Repairs	0-2 Years	Not Funded	\$300,000	Carter	40	
SX21043037	Wastewater Treatment Plant Upgrade Project	6-10 Years	Not Funded	\$3,500,000	Carter	41	
SX21089113	GCEC: Raceland Lift Station Upgrade Project	3-5 Years	Not Funded	\$321,000	Greenup	42	
SX21089018	Raceland: Lost Canyon and Caroline Road Sewer Extension	6-10 Years	Partially Funded	\$71,000	Greenup	43	
SX21089017	Raceland: Cherokee Road Sewer Extension	3-5 Years	Not Funded	\$102,000	Greenup	44	
SX21089069	Raceland: Caroline Road Line Extension	3-5 Years	Not Funded	\$220,000	Greenup	45	
SX21089115	City of Raceland: County Road Sewer Line Extension	0-2 Years	Not Funded	\$31,000	Greenup	46	
SX21089102	Greenup: City Park Force Main	3-5 Years	Not Funded	\$70,000	Greenup	47	
SX21089019	Raceland: US 23 & Caroline Road Sewer Extension	3-5 Years	Not Funded	\$215,000	Greenup	48	
SX21089105	GCEC: Weather Protection Project	3-5 Years	Not Funded	\$90,000	Greenup	49	
SX21089104	Raceland: Caroline Road Sewer Extension	3-5 Years	Not Funded	\$125,000	Greenup	50	
SX21089028	Wurtland: Conley Subdivision Sewer Project	0-2 Years	Not Funded	\$650,000	Greenup	51	
SX21089060	Wurtland: Uhlen Branch Sewer Line Extension	0-2 Years	Not Funded	\$1,000,000	Greenup	52	
SX21089090	Wurtland: Riverside Drive Line Extension	3-5 Years	Not Funded	\$50,000	Greenup	53	
SX21089094	Wurtland: Industrial Parkway Sewer Service	0-2 Years	Not Funded	\$100,000	Greenup	54	
SX21043018	Olive Hill: Woodland Subdivision Sewer Project	3-5 Years	Not Funded	\$315,000	Carter	55	
SX21043004	Grayson: US 60 West to Sunset Hills	6-10 Years	Not Funded	\$765,000	Carter	56	
Total Cost:				\$83,901,860			

Green River Area Development District (GRADD)

- 2010 census population of 213,472 (92,066 households) with 64% serviceable.
- Projected 2020 population of 220,544 (change of 7,072).
- 1,022.57 miles of existing sewer lines.
- 35.00 miles of line extensions proposed in the next 10 years.
- 45.00 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: \$74,765,710.
- Estimated funding needs for projects from 6 to 10 years: \$14,471,000.
- Average age of wastewater treatment plants is 42 years.
- Total number of interconnected systems is 7.
- 115 miles of sewer lines less than 15 years old.
- 243 miles of sewer lines between 15 and 30 years old.
- 258 miles of sewer lines between 31 and 50 years old.
- 187 miles of sewer lines between 51 and 70 years old.
- 221 miles of sewer lines greater than 70 years old.



Green River Area Development District has a 2010 census population count of 213,472 (92,066 households) with a projected 2020 population count of 220,544 (89,593 households). Public sewer is currently available to approximately 64 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,507 serviceable households will be added through the construction of 35.00 miles of sewer line extensions and approximately 21,384 instances of improved service through the rehabilitation of 45.00 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%	\$ 10,901,008
Hancock	8,565	3,734	8,843	3,502	1,420	38%	\$ 1,344,000
Henderson	46,250	20,320	47,600	19,851	13,886	68%	\$ 10,340,085
McLean	9,531	4,264	9,271	3,821	1,832	43%	\$ 15,077,352
Ohio	23,842	10,219	24,781	9,786	3,221	32%	\$ 4,556,570
Union	15,007	6,141	14,436	5,463	3,684	60%	\$ 40,263,290
Webster	13,621	5,936	13,399	5,292	2,800	47%	\$ 6,754,405
Totals	213,472	92,066	220,544	89,593	59,221	64%	\$ 89,236,710

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	758	307
KY0020711	Henderson Water Utility - North	Henderson	29,780	13,578
KY0020125	Calhoun Water Works	McLean	1,176	561
KY0066605	Island Water Department	McLean	508	227
KY0020613	Livermore Water Works	McLean	1,453	689
KY0091731	Sacramento Water Works	McLean	760	355
KYP000076	Beaver Dam Municipal Water/Sewer	Ohio	3,893	1,636
KYP000078	Centertown Water System	Ohio	530	216
KY0054801	Fordsville Water District	Ohio	554	242
KYP000077	Hartford Municipal Water Works	Ohio	2,551	1,127
KY0021440	Morganfield Water Works	Union	5,754	2,002
KY0025895	Sturgis Water Works	Union	2,088	1,025
KY0025844	Uniontown Water/Sewer Department	Union	1,088	498
KYP000060	Waverly Wastewater Collection	Union	349	159
KY0028096	Clay Water Works	Webster	1,181	514
KY0021296	Providence Water Works	Webster	2,876	1,449
KYP000054	Sebree Collection System	Webster	1,471	556
KYP000055	Webster County Sanitation District	Webster	835	281
		Totals:	134,358	59,220



Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21233027	Sebree Sanitary Sewer Replacement	0-2 Years	Partially Funded	\$1,821,655	Webster	1	1
SX21233026	Providence Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	\$1,959,000	Webster	2	2
SX21225033	Morganfield WWTP Upgrade	0-2 Years	Not Funded	\$19,952,000	Union	3	1
SX21059055	Max Rhoads WWTP Sludge Process Improvements	0-2 Years	Not Funded	\$1,450,246	Daviess	4	1
SX21149023	Sacramento Gravity Sewer Project, Phase II	0-2 Years	Not Funded	\$940,000	McLean	5	1
SX21183016	Centertown Liftstation Rebuild Project	0-2 Years	Not Funded	\$150,000	Ohio	6	1
SX21233025	Providence Sanitary Sewer Upgrades	0-2 Years	Not Funded	\$1,693,750	Webster	7	3
SX21059056	RWRA Tunnel Lings & Repair Project	0-2 Years	Not Funded	\$3,800,000	Daviess	8	2
SX21101014	Holloway Hills Sewer Extension	6-10 Years	Not Funded	\$600,000	Henderson	9	3
SX21101015	Happy Acres Sewer Service Extension	11-20 Years	Not Funded	\$2,000,000	Henderson	10	1
SX21101016	Grantwood Sewer Service Extension	6-10 Years	Not Funded	\$1,000,000	Henderson	11	4
SX21101018	Graham Hill Sewer Extensions	3-5 Years	Not Funded	\$3,150,000	Henderson	12	5
SX21101023	Henderson Water Utility Manhole Renovation	3-5 Years	Not Funded	\$1,100,000	Henderson	13	2
SX21183015	Fordsville Wastewater System Improvement/Rehabilitation Project	0-2 Years	Not Funded	\$753,450	Ohio	14	2
SX21225012	Sturgis Wastewater Treatment Plant Upgrade	6-10 Years	Partially Funded	\$2,710,000	Union	15	2
SX21149031	Calhoun Wastewater Plant Replacement Project	0-2 Years	Partially Funded	\$4,925,000	McLean	16	2
SX21183012	Valley View Sewer Line Replacement	3-5 Years	Not Funded	\$321,120	Ohio	17	3
SX21183002	North 231 Sewer Extension Project	0-2 Years	Not Funded	\$700,000	Ohio	18	4
SX21149028	Sacramento Phase III Gravity Sewer Project	6-10 Years	Not Funded	\$375,000	McLean	19	3
SX21149029	Sacramento Phase IV Gravity Sewer Project	11-20 Years	Not Funded	\$1,147,500	McLean	20	4
SX21059043	Whitesville Sewer Rehabilitation Project	3-5 Years	Not Funded	\$58,000	Daviess	21	3
SX21149002	Livermore Sewer Line Extensions	6-10 Years	Not Funded	\$1,500,000	McLean	22	5
SX21091013	Highway 60 East Economic Development	3-5 Years	Not Funded	\$500,000	Hancock	23	2
SX21091014	Hawesville Lift Station Rehabilitation	3-5 Years	Not Funded	\$100,000	Hancock	24	1
SX21225015	Uniontown Lift Station Rebuilds	6-10 Years	Not Funded	\$1,000,000	Union	25	5
SX21225030	Morganfield Combined Sewer Separation Project Phase 3	0-2 Years	Not Funded	\$3,004,090	Union	26	3
SX21225031	Job Corps Sewer Rehabilitation and Replacement Project	0-2 Years	Partially Funded	\$5,005,000	Union	27	4
SX21233001	Webster County Sanitation Expansion Project	11-20 Years	Not Funded	\$4,615,000	Webster	28	4
SX21233023	New Providence Area Sewer Project	6-10 Years	Not Funded	\$1,200,000	Webster	29	5
SX21183007	Centertown Sewer Clean Out Machine Purchase Project	0-2 Years	Not Funded	\$50,000	Ohio	30	5
SX21091009	Lewisport Slip Lining	6-10 Years	Not Funded	\$445,000	Hancock	31	3
SX21091016	Lift station Elimination Project	6-10 Years	Not Funded	\$164,000	Hancock	32	4
SX21091017	Lewisport Manhole Inspection and Relining Project	3-5 Years	Not Funded	\$135,000	Hancock	33	5
Total Cost:				\$68,324,811			



Gateway Area Development District (GWADD)

- 2010 census population of 81,652 (36,780 households) with 42% serviceable.
- Projected 2020 population of 87,651 (change of 5,999).
- 391.31 miles of existing sewer lines.
- 35.00 miles of line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$45,634,978.
- Estimated funding needs for projects from 6 to 10 years: \$2,575,089.
- Average age of wastewater treatment plants is 27 years.
- Total number of interconnected systems is 0.
- 81 miles of sewer lines less than 15 years old.
- 210 miles of sewer lines between 15 and 30 years old.
- 76 miles of sewer lines between 31 and 50 years old.
- 27 miles of sewer lines between 51 and 70 years old.
- 1 miles of sewer lines greater than 70 years old.



Gateway Area Development District has a 2010 census population count of 81,652 (36,780 households) with a projected 2020 population count of 87,651 (34,583 households). Public sewer is currently available to approximately 42 percent of the district's households based on 2010 census counts. Over the next ten years approximately 720 serviceable households will be added through the construction of 35.00 miles of sewer line extensions and approximately 39,035 instances of improved service through the rehabilitation of 11.00 miles of existing sewer lines and other appurtenances. 16.00 miles of interceptor lines are also proposed within this district.

County Summary for Gateway Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bath	11,591	5,405	12,132	5,006	1,818	34%	\$ 8,535,000
Menifee	6,306	3,744	6,038	2,422	588	16%	\$ 8,087,788
Montgomery	26,499	11,699	30,750	12,483	6,320	54%	\$ 17,960,339
Morgan	13,923	5,830	14,023	5,126	899	15%	\$ 6,577,940
Rowan	23,333	10,102	24,708	9,546	5,973	59%	\$ 7,049,000
Totals	81,652	36,780	87,651	34,583	15,598	42%	\$ 48,210,067

Public Sewer Systems in the Gateway Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KIA011001	Bath County Sanitation District	Bath	247	115
KY0024287	City of Owingsville	Bath	1,996	992
KY0088421	City of Sharpsburg	Bath	393	230
KY0040584	City of Frenchburg	Menifee	749	400
KY0100901	Menifee County Sanitation District # 1	Menifee	429	180
KY0069736	Montgomery County Sanitation Dist #2	Montgomery	1,844	822
KY0104400	Mount Sterling Water and Sewer	Montgomery	11,920	5,498
KY0089567	City of West Liberty	Morgan	3,679	899
KY0052752	Morehead Utility Plant Board	Rowan	15,128	6,519
		Totals:	36,385	15,655



Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21205037	US 60 West and KY 801 SSO Correction Project	0-2 Years	Not Funded	\$3,650,000	Rowan	1	1
SX21165010	System Improvements Project	0-2 Years	Partially Funded	\$1,459,000	Menifee	2	1
SX21011018	Bath County Sanitation District Preston Sewer Project Phase II	6-10 Years	Not Funded	\$470,000	Bath	3	1
SX21011020	City of Owingsville Sewer Extension to Remaining Unserved In City Limits	3-5 Years	Not Funded	\$200,000	Bath	4	2
SX21165019	US 460 Sewer Line Extension	0-2 Years	Not Funded	\$361,688	Menifee	5	2
SX21173075	Wastewater Capacity Upgrade Project	0-2 Years	Not Funded	\$12,500,000	Montgomery	6	1
SX21011016	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	\$590,000	Bath	7	3
SX21165018	City of Frenchburg Wastewater Collection System Rehab	3-5 Years	Not Funded	\$1,061,850	Menifee	8	3
SX21165007	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	\$4,000,000	Menifee	9	4
SX21205033	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sewer	3-5 Years	Not Funded	\$500,000	Rowan	10	2
SX21173024	Montgomery County Sanitation District No. 2 Pump Station No. 5 Project	3-5 Years	Not Funded	\$267,000	Montgomery	11	2
SX21175023	Control Panel Replacement and Upgrade Project	3-5 Years	Not Funded	\$273,000	Morgan	12	1
SX21173034	Montgomery County Sanitation District No. 2 Pump Station Upgrade 11 and 15	3-5 Years	Not Funded	\$510,000	Montgomery	13	3
SX21175022	City of West Liberty Equipment Upgrade and Replacement Project	3-5 Years	Not Funded	\$550,000	Morgan	14	2
SX21173076	Wykagyl/South Queen Street Project	0-2 Years	Not Funded	\$218,000	Montgomery	15	4
SX21205035	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	\$200,000	Rowan	16	3
SX21165020	City of Frenchburg Miscellaneous Sewer Extension Project	3-5 Years	Not Funded	\$455,000	Menifee	17	5
SX21165015	City of Frenchburg Bryant Lane/Shotgun Hollow Sewer Line Extension Project	3-5 Years	Not Funded	\$650,250	Menifee	18	6
SX21173055	Mt. Sterling Water & Sewer I&I Study and Repair Project	11-20 Years	Not Funded	\$625,000	Montgomery	19	5
SX21205041	Morehead Utility Plant Board US 60 Sewer Line Rehab	6-10 Years	Not Funded	\$1,500,000	Rowan	20	4
SX21173078	Sewer Jetting Machine Replacement Project	3-5 Years	Not Funded	\$77,000	Montgomery	21	6
SX21173010	Montgomery Co. Sanitation Dist.#2 Lift Station and Line Upgrade	3-5 Years	Not Funded	\$464,000	Montgomery	22	7
SX21173015	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	6-10 Years	Not Funded	\$10,000	Montgomery	23	8
SX21173074	Spring Street Sanitary Sewer Replacement	0-2 Years	Not Funded	\$74,250	Montgomery	24	9
SX21175010	City of West Liberty Sewer Line Replacement Project	3-5 Years	Not Funded	\$655,000	Morgan	25	3
SX21173023	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	\$275,000	Montgomery	26	10
SX21173081	Richmond/Caulk Sewer Line Spot Repair Project	3-5 Years	Not Funded	\$85,000	Montgomery	27	11
SX21173053	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	\$50,000	Montgomery	28	12
SX21173051	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	\$50,000	Montgomery	29	13
SX21173027	Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	30	14
SX21173080	Levee Road Sewer Replacement/Spot Repair Project	0-2 Years	Not Funded	\$180,000	Montgomery	31	15
SX21173054	Mt. Sterling Water & Sewer LMS Lift Station Elimination	3-5 Years	Not Funded	\$100,000	Montgomery	32	16
SX21173049	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade	6-10 Years	Not Funded	\$50,000	Montgomery	33	17

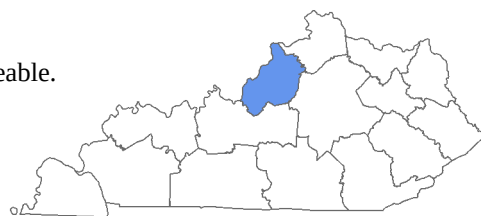


Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21173050	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	6-10 Years	Not Funded	\$175,000	Montgomery	34	18
SX21173084	Bridgett Hill Drive Phase II Project	3-5 Years	Not Funded	\$218,000	Montgomery	35	19
SX21205031	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	\$250,000	Rowan	36	5
SX21173082	South Maysville Sewer Line Replacement Project	0-2 Years	Not Funded	\$72,500	Montgomery	37	20
SX21205042	Derrickson Lift Station Upgrade Project	3-5 Years	Not Funded	\$949,000	Rowan	38	6
SX21173079	Onsite Fuel Storage Project	3-5 Years	Not Funded	\$50,000	Montgomery	39	21
SX21173017	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	\$75,000	Montgomery	40	22
SX21173077	Sewer Camera Replacement Project	3-5 Years	Not Funded	\$151,000	Montgomery	41	23
SX21173062	Montgomery County Sanitation District No. 2 Combo Vac Truck Project	6-10 Years	Not Funded	\$100,000	Montgomery	42	24
Total Cost:				\$34,236,538			

Kentuckiana Regional Planning and Development Agency (KIPDA)

- 2010 census population of 959,091 (421,502 households) with 89% serviceable.
- Projected 2020 population of 1,058,343 (change of 99,252).
- 4,147.84 miles of existing sewer lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 24.00 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: \$367,194,146.
- Estimated funding needs for projects from 6 to 10 years: \$20,175,601.
- Average age of wastewater treatment plants is 33 years.
- Total number of interconnected systems is 1.
- 400 miles of sewer lines less than 15 years old.
- 1,267 miles of sewer lines between 15 and 30 years old.
- 1,187 miles of sewer lines between 31 and 50 years old.
- 740 miles of sewer lines between 51 and 70 years old.
- 530 miles of sewer lines greater than 70 years old.



Kentuckiana Regional Planning and Development Agency has a 2010 census population count of 959,091 (421,502 households) with a projected 2020 population count of 1,058,343 (437,016 households). Public sewer is currently available to approximately 89 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,388 serviceable households will be added through the construction of 22.00 miles of sewer line extensions and approximately 3,676 instances of improved service through the rehabilitation of 24.00 miles of existing sewer lines and other appurtenances. 15.00 miles of interceptor lines are also proposed within this district.

County Summary for Kentuckiana Regional Planning and Development Agency

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bullitt	74,319	29,318	88,508	34,970	17,055	58%	\$ 10,051,390
Henry	15,416	6,640	15,915	6,405	2,362	36%	\$ 4,955,926
Jefferson	741,096	337,616	793,817	336,744	332,114	98%	\$ 316,105,500
Oldham	60,316	20,688	74,990	26,354	11,776	57%	\$ 45,915,168
Shelby	42,074	16,606	51,944	19,663	9,212	56%	\$ 5,349,263
Spencer	17,061	6,704	23,655	9,025	737	11%	\$ 1,650,000
Trimble	8,809	3,930	9,514	3,855	935	24%	\$ 3,342,500
Totals	959,091	421,502	1,058,343	437,016	374,191	89%	\$ 387,369,747

Public Sewer Systems in the Kentuckiana Regional Planning and Development Agency

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0034151	Bullitt County Sanitation District - BCSD Hillview #1	Bullitt	1,555	603
KY0034169	Bullitt County Sanitation District - BCSD Hillview #2	Bullitt	2,325	858
KY0034177	Bullitt County Sanitation District - BCSD Hillview #3	Bullitt	1,082	400
KY0034801	Bullitt County Sanitation District - Bullitt Hills Subdivision	Bullitt	3,807	1,566
KY0034185	Bullitt County Sanitation District - Pioneer Village Sewer Plt #1	Bullitt	2,526	1,002
KY0094307	Bullitt County Sanitation District - Willabrook Sanitation	Bullitt	477	198
KYP000092	Hunters Hollow Subd	Bullitt	2,195	793
KY0104043	Lebanon Junction Wastewater	Bullitt	1,620	705
KY0033804	Mount Washington Water & Sewer Company	Bullitt	14,760	5,904
KY0027359	Shepherdsville Sewer	Bullitt	13,915	5,470
KY0026883	Eminence Wastewater	Henry	2,531	1,094
KY0031828	New Castle Wastewater	Henry	1,102	505
KYP000036	Pleasureville	Henry	998	441
KY0098540	Louisville & Jefferson County MSD - Cedar Creek	Jefferson	43,916	17,525
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	208,351	88,487
KY0102784	Louisville & Jefferson County MSD - Floyds Fork	Jefferson	24,448	9,914
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	34,642	14,566
KY0022411	Louisville & Jefferson County MSD - Morris Forman	Jefferson	420,958	202,890
KY0020001	Lagrange Utilities Commission	Oldham	8,513	3,352
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	3,344	1,182
KY0060577	Oldham County Environmental Authority - Country Village	Oldham	543	207
KY0039870	Oldham County Environmental Authority - Lakewood Valley STP	Oldham	765	271
KY0054674	Oldham County Environmental Authority - Lockwood Estates Subdivision	Oldham	289	109
KY0076813	Oldham County Environmental Authority - Mockingbird Valley	Oldham	140	43
KY0106143	Oldham County Environmental Authority - Ohio River	Oldham	8,040	2,727
KY0033821	Oldham County Environmental Authority - Orchard Grass	Oldham	2,894	977
KY0046264	Oldham County Environmental Authority - Willow Creek	Oldham	853	342
KY0078026	Oldham Woods Subdivision	Oldham	143	52
KY0090107	Paramont Estates Homeowners Association	Oldham	322	108
KY0020427	Shelbyville Municipal Water & Sewer Commission	Shelby	20,147	8,108
KY0065889	Simpsonville Wastewater	Shelby	2,645	1,057
KY0028142	Taylorsville Wastewater	Spencer	1,542	717
KY0069825	Bedford Wastewater	Trimble	957	418
KY0088625	Milton Wastewater	Trimble	1,055	517
		Totals:	833,400	373,108



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21029029	Shepherdsville-Blue Lick Stormwater Project	3-5 Years	Not Funded	\$1,996,250	Bullitt	1	1
SX21185051	OCEA Lift Station Rehab, Renovation, and Replacement	0-2 Years	Not Funded	\$2,944,345	Oldham	2	1
SX21111006	Upper Middle Fork Pump Station Improvements and Diversion	0-2 Years	Not Funded	\$67,720,000	Jefferson	3	1
SX21211017	Shelby County Cooperative Extension Office	0-2 Years	Not Funded	\$469,263	Shelby	4	1
SX21223013	Wastewater System Improvements	0-2 Years	Not Funded	\$1,872,500	Trimble	5	1
SX21103011	Pleasureville Wastewater Capacity Upgrade	3-5 Years	Not Funded	\$150,000	Henry	6	1
SX21111008	Biosolids Processing Solution	0-2 Years	Not Funded	\$180,500,000	Jefferson	7	2
SX21185049	Ashbrooke Subdivision At Confederate Place Drive	3-5 Years	Not Funded	\$633,334	Oldham	8	2
SX21029014	Bullitt Hills Subdivision and Hillview Wastewater Treatment System	0-2 Years	Partially Funded	\$1,119,000	Bullitt	9	2
SX21223012	City of Milton Main Trunk Sewers Cleaning, Televising and Repair	6-10 Years	Not Funded	\$625,000	Trimble	10	2
SX21211008	Eminence Pike Gravity Sewers	3-5 Years	Not Funded	\$2,380,000	Shelby	11	2
SX21103014	I-71 Exit 34 Sewer Extension	0-2 Years	Not Funded	\$303,479	Henry	12	2
SX21111009	Yorktown and Pond Creek I & I Project	0-2 Years	Not Funded	\$2,120,000	Jefferson	13	3
SX21223011	City of Milton - I/I Mitigation	3-5 Years	Not Funded	\$350,000	Trimble	14	3
SX21029015	Pioneer Village Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	\$3,000,000	Bullitt	15	3
SX21223010	Collection System Improvements & I/I Mitigation	6-10 Years	Not Funded	\$370,000	Trimble	16	4
SX21223008	Pump Station Rehabilitation	3-5 Years	Not Funded	\$125,000	Trimble	18	6
SX21215004	KY Highway 155 Sanitary Sewer Force Main	3-5 Years	Not Funded	\$1,650,000	Spencer	19	1
SX21111007	Nightingale I & I Elimination Project	0-2 Years	Partially Funded	\$4,445,000	Jefferson	20	4
SX21111101	Hite Creek Water Quality Treatment Center	0-2 Years	Partially Funded	\$27,829,000	Jefferson	21	5
SX21211009	US 60 East Gravity Sewers	3-5 Years	Not Funded	\$2,500,000	Shelby	22	3
SX21029002	Shepherdsville Sewer Rehab	3-5 Years	Not Funded	\$500,000	Bullitt	23	4
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	\$60,000	Bullitt	24	5
SX21185032	Kentucky State Reformatory - Rehab Phase I	0-2 Years	Not Funded	\$2,751,300	Oldham	25	3
SX21111001	Middletown Recapture	3-5 Years	Not Funded	\$1,900,000	Jefferson	26	6
SX21103016	Lagrange - Pendleton Road, Exit 28 Sewer Expansion	3-5 Years	Not Funded	\$2,685,000	Henry	27	3
SX21029003	Cedar Grove - 480 Project	6-10 Years	Not Funded	\$500,000	Bullitt	28	6
SX21185009	Zale Smith Extensions	3-5 Years	Not Funded	\$343,600	Oldham	29	4
SX21185033	Kentucky State Reformatory - Rehab Phase II	3-5 Years	Not Funded	\$1,500,000	Oldham	30	5
SX21029013	Hwy 434 From Sweats Home to River Bridge	3-5 Years	Not Funded	\$265,820	Bullitt	31	7
SX21185054	Orchard Grass Regional WWTP Phase 4	11-20 Years	Not Funded	\$7,580,000	Oldham	32	6
SX21111123	Park Hill Green Infrastructure Focus Area	3-5 Years	Not Funded	\$4,400,000	Jefferson	33	7
SX21029021	Overdale Drive Sanitary Sewer Extension	6-10 Years	Not Funded	\$950,000	Bullitt	34	8
SX21185044	Ohio River WWTP Expansion	11-20 Years	Not Funded	\$10,000,000	Oldham	35	7
SX21029012	W. Airport Road Thru Denice Road Tie Into Main Street and Pick Up Newton Road	3-5 Years	Not Funded	\$572,500	Bullitt	36	9

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185021	Goshen Area Sewer Expansion	11-20 Years	Not Funded	\$6,850,478	Oldham	37	8
SX21111117	Southwest Greenway & Parkway Green Infrastructure Focus Area	3-5 Years	Not Funded	\$3,600,000	Jefferson	38	8
SX21029010	Hwy 61 From Elementary School to Massey Road Area	3-5 Years	Not Funded	\$516,400	Bullitt	39	10
SX21185046	KY 362 North	3-5 Years	Not Funded	\$477,778	Oldham	40	9
SX21111105	Transylvania Beach Sewer Installation	3-5 Years	Not Funded	\$1,010,000	Jefferson	41	9
SX21029011	S. Sanders Lane to Old Boston Road Picks Up Maraman Road	3-5 Years	Not Funded	\$571,420	Bullitt	42	11
SX21185048	KY 362 South	3-5 Years	Not Funded	\$2,389,550	Oldham	43	10
SX21111119	Green Infrastructure Flood Control Basins Retrofit for Water Qua	3-5 Years	Not Funded	\$2,400,000	Jefferson	44	10
SX21185047	KY 362 Culvert	3-5 Years	Not Funded	\$410,000	Oldham	45	11
SX21111118	Central Business District Green Infra Focus Area – Phase II	3-5 Years	Not Funded	\$3,800,000	Jefferson	46	11
SX21185057	Covered Bridge Road Liftstation Wetwell Improvement	3-5 Years	Not Funded	\$150,000	Oldham	47	12
SX21185024	Crestwood Area Wastewater Expansion	3-5 Years	Not Funded	\$6,285,960	Oldham	48	25
SX21111121	Northeast Green Infrastructure Focus Area	0-2 Years	Not Funded	\$4,400,000	Jefferson	49	13
SX21185043	Lockwood WWTP Decommissioning	3-5 Years	Not Funded	\$352,000	Oldham	50	13
SX21111122	Northwest Green Infrastructure Focus Area	0-2 Years	Not Funded	\$2,400,000	Jefferson	51	14
SX21185034	Kentucky State Reformatory - Rehab Phase III	11-20 Years	Not Funded	\$2,500,000	Oldham	52	14
SX21111124	South Central East Green Infrastructure Focus Area	3-5 Years	Not Funded	\$3,600,000	Jefferson	53	15
SX21185035	Kentucky State Reformatory - Rehab Phase IV	6-10 Years	Not Funded	\$1,500,000	Oldham	54	15
SX21111125	South Central West Green Infrastructure Focus Area	3-5 Years	Not Funded	\$3,000,000	Jefferson	55	16
SX21185040	Country Village WWTP Decommissioning	6-10 Years	Not Funded	\$750,000	Oldham	56	16
SX21111120	Maple Street Green Infrastructure Focus Area	3-5 Years	Not Funded	\$2,200,000	Jefferson	57	17
SX21185012	Dawkins Road Extension	3-5 Years	Not Funded	\$45,000	Oldham	58	17
SX21185020	Paramont WWTP Decommissioning	11-20 Years	Not Funded	\$1,949,350	Oldham	59	18
SX21185018	Lakewood Valley Decommissioning and Septic Tank Removal	6-10 Years	Not Funded	\$10,680,601	Oldham	60	19
SX21185042	Lockwood Sewer Collection System Expansion	6-10 Years	Not Funded	\$4,800,000	Oldham	61	20
SX21185002	Crystal Lake Gravity System	3-5 Years	Not Funded	\$3,200,000	Oldham	62	21
SX21185039	Meadow Stream Pump Station and Force Main Expansion	3-5 Years	Partially Funded	\$3,691,500	Oldham	63	22
SX21185008	FT. Pickens/Quail Run Extension	3-5 Years	Not Funded	\$475,200	Oldham	64	23
SX21185041	Ksr – Phase 5	11-20 Years	Not Funded	\$12,500,000	Oldham	65	24
Total Cost:				\$423,615,628			



Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 25% serviceable.
- Projected 2020 population of 111,267 (change of -3,495).
- 348.00 miles of existing sewer lines.
- 151.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$85,295,925.
- Estimated funding needs for projects from 6 to 10 years: \$23,825,970.
- Average age of wastewater treatment plants is 26 years.
- Total number of interconnected systems is 1.
- 112 miles of sewer lines less than 15 years old.
- 78 miles of sewer lines between 15 and 30 years old.
- 103 miles of sewer lines between 31 and 50 years old.
- 37 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 25 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,969 serviceable households will be added through the construction of 151.00 miles of sewer line extensions and approximately 17,269 instances of improved service through the rehabilitation of 15.00 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	1,483	24%	\$ 6,930,500
Knott	16,346	7,461	15,635	6,332	972	13%	\$ 15,607,894
Lee	7,887	3,436	7,820	3,014	1,078	31%	\$ 9,000,000
Leslie	11,310	5,278	10,603	4,377	861	16%	\$ 6,735,633
Letcher	24,519	11,601	24,237	10,161	3,484	30%	\$ 34,296,960
Owsley	4,755	2,328	4,704	1,971	429	18%	\$ 5,271,364
Perry	28,712	12,791	28,137	11,637	4,246	33%	\$ 27,589,544
Wolfe	7,355	3,660	7,636	3,285	604	17%	\$ 3,690,000
Totals	114,762	52,786	111,267	45,823	13,157	25%	\$ 109,121,895

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	3,083	1,459
KY0107786	Perry County Sanitation District #1	Breathitt	219	97
KY0027685	Hindman Wastewater	Knott	1,381	656
KY0107956	Knott County Water and Sewer District (Ball Creek)	Knott	329	153
KY0042854	Knott County Water and Sewer District (Pippa Passes)	Knott	564	111
KY0027201	USCOE Carr Creek Lake Littcarr	Knott	23	11
KY0021121	Beattyville Wastewater	Lee	3,177	1,078
KY0021245	Hyden Wastewater Department	Leslie	1,890	861
KY0027405	Fleming-Neon Wastewater	Letcher	2,696	1,337
KY0038571	Jenkins Wastewater	Letcher	2,056	973
KY0103217	Letcher County Water & Sewer District - Millstone	Letcher	94	41
KY0106283	Whitesburg Wastewater	Letcher	2,430	1,133
KY0033774	Booneville Water and Sewer	Owsley	904	429
KY0020079	Hazard Wastewater	Perry	7,557	3,437
KYP000034	Perry County Sanitation District #1	Perry	1,384	576
KY0060259	Perry County Water & Sewer	Perry	431	195
KY0104728	Campton Wastewater Department	Wolfe	1,166	604
		Totals:	29,384	13,151



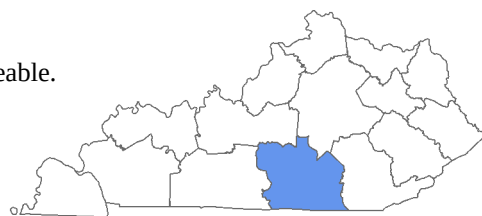
Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21237007	Hazel Green Wastewater Collection System Phase 1	3-5 Years	Not Funded	\$1,840,000	Wolfe	1	1
SX21025011	Jackson Wastewater Plant Upgrade	3-5 Years	Not Funded	\$4,922,000	Breathitt	2	1
SX21189005	Booneville I/I Replacement Project	3-5 Years	Not Funded	\$1,526,000	Owsley	3	1
SX21193020	HWY 80 Sewer Collection Project Phase III	3-5 Years	Not Funded	\$2,170,302	Perry	4	1
SX21237006	Hazel Green Wastewater Collection System PH 2	3-5 Years	Not Funded	\$1,850,000	Wolfe	5	2
SX21131003	Hyden - Town Rehab Phase III	0-2 Years	Partially Funded	\$565,633	Leslie	6	1
SX21129004	Beattyville Sewer Rehabilitation Project	3-5 Years	Not Funded	\$1,000,000	Lee	7	1
SX21131002	Hyden - Wastewater Expansion Phase II	3-5 Years	Partially Funded	\$700,000	Leslie	8	2
SX21119009	Ball Creek Phase III Wastewater Line Extension	6-10 Years	Not Funded	\$2,640,010	Knott	9	1
SX21133018	WWTP for Federal Prison at Roxanna	0-2 Years	Partially Funded	\$5,806,400	Letcher	10	1
SX21025009	Jackson Sewer Rehabilitation Project	0-2 Years	Not Funded	\$1,017,000	Breathitt	11	2
SX21129005	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	\$2,000,000	Lee	12	2
SX21133017	Roxana Prison Pressure Sewer Project	0-2 Years	Not Funded	\$6,600,000	Letcher	13	2
SX21131211	Hyden - Wooton Sewer Plant Project	6-10 Years	Not Funded	\$4,200,000	Leslie	14	3
SX21189003	Booneville - Highway 11 Sewer Extensions	3-5 Years	Not Funded	\$2,239,900	Owsley	15	2
SX21025012	KY 15 Sewer Extension	3-5 Years	Not Funded	\$439,000	Breathitt	16	3
SX21133015	Fleming-Neon Sewer Rehabilitation Project	0-2 Years	Not Funded	\$1,558,120	Letcher	17	3
SX21189002	Booneville Pump Station Rehab	3-5 Years	Not Funded	\$291,864	Owsley	18	3
SX21119007	HWY 1087 Wastewater Line Extension	6-10 Years	Not Funded	\$3,937,260	Knott	19	2
SX21193011	PCSD#1 - Chavies Wastewater Collection System - Phase 4	3-5 Years	Not Funded	\$324,000	Perry	20	2
SX21193013	Wendell H. Ford Airport Subdivisions Sewer System	3-5 Years	Not Funded	\$4,100,000	Perry	21	3
SX21133644	Jenkins Dairy Hollow Sewer Extension	3-5 Years	Not Funded	\$250,000	Letcher	22	4
SX21133020	Jenkins - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	\$1,200,000	Letcher	23	5
SX21193051	TEA - Perry County WWTP and Collection Lines Project Phase I	6-10 Years	Partially Funded	\$4,689,780	Perry	24	4
SX21129007	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	\$6,000,000	Lee	25	3
SX21133021	Sewer Lift Station Rehab	3-5 Years	Not Funded	\$1,800,000	Letcher	26	6
SX21133022	Whitesburg Wastewater Treatment Plant Upgrade Project	3-5 Years	Not Funded	\$2,000,000	Letcher	27	7
SX21133016	Fleming-Neon WWTP Upgrade	3-5 Years	Not Funded	\$4,936,000	Letcher	28	8
SX21131004	Hyden - Sanitary Sewer Extensions Phase III	3-5 Years	Not Funded	\$1,270,000	Leslie	29	4
Total Cost:				\$71,873,269			



Lake Cumberland Area Development District (LCADD)

- 2010 census population of 207,256 (101,129 households) with 28% serviceable.
- Projected 2020 population of 221,481 (change of 14,225).
- 609.69 miles of existing sewer lines.
- 129.00 miles of line extensions proposed in the next 10 years.
- 25.00 miles of line rehabilitation proposed in the next 10 years.
- 28.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$75,685,700.
- Estimated funding needs for projects from 6 to 10 years: \$5,964,046.
- Average age of wastewater treatment plants is 27 years.
- Total number of interconnected systems is 3.
- 113 miles of sewer lines less than 15 years old.
- 136 miles of sewer lines between 15 and 30 years old.
- 207 miles of sewer lines between 31 and 50 years old.
- 21 miles of sewer lines between 51 and 70 years old.
- 98 miles of sewer lines greater than 70 years old.



Lake Cumberland Area Development District has a 2010 census population count of 207,256 (101,129 households) with a projected 2020 population count of 221,481 (92,378 households). Public sewer is currently available to approximately 28 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,953 serviceable households will be added through the construction of 129.00 miles of sewer line extensions and approximately 2,362 instances of improved service through the rehabilitation of 25.00 miles of existing sewer lines and other appurtenances. 28.00 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%	\$ 11,119,025
Casey	15,955	7,487	16,433	6,791	1,056	14%	\$ 553,000
Clinton	10,272	5,311	10,896	4,755	1,338	25%	\$ 9,169,000
Cumberland	6,856	3,690	6,649	2,840	821	22%	\$ 3,831,370
Green	11,258	5,324	11,112	4,660	1,463	28%	\$ 350,000
McCreary	18,306	7,507	18,314	6,819	2,420	32%	\$ 7,350,785
Pulaski	63,063	31,443	71,036	29,901	7,476	24%	\$ 15,584,000
Russell	17,565	9,993	18,782	8,112	3,249	33%	\$ 5,024,466
Taylor	24,512	10,864	26,079	10,663	5,189	48%	\$ 8,726,100
Wayne	20,813	10,942	22,128	9,686	3,137	29%	\$ 19,942,000
Totals	207,256	101,129	221,481	92,378	28,120	28%	\$ 81,649,746

Public Sewer Systems in the Lake Cumberland Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0024317	Columbia/Adair Utilities District Sewer System	Adair	4,652	1,971
KY0026352	Liberty Water & Gas	Casey	2,064	1,056
KY0024295	Albany Municipal Water & Sewer	Clinton	2,591	1,333
KY0036854	Burkesville Wastewater	Cumberland	1,491	776
KY0023841	Greensburg Sewer Department	Green	2,300	1,142
KY0096881	Sanitation District #1 of Green County	Green	717	321
KY0097837	McCreary County Water District	McCreary	5,274	2,420
KYP000069	Burnside Municipal Water Works	Pulaski	615	344
KY0094447	Science Hill Sewer	Pulaski	1,151	500
KY0026611	Somerset Utilities	Pulaski	12,914	6,236
199003845	Woodson Bend Resort	Pulaski	172	401
KY0062995	Jamestown Utilities	Russell	1,905	921
KYP000057	Russell Springs Sewer & Water Works	Russell	4,218	2,326
KY0054437	Campbellsville Municipal Water & Sewer System	Taylor	11,561	5,189
KY0033847	Monticello Utility Commission	Wayne	6,803	3,137
		Totals:	58,428	28,073

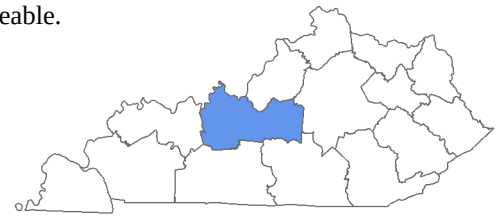


Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21057002	Burkesville WWTP Improvements	0-2 Years	Partially Funded	\$3,831,370	Cumberland	1	1
SX21217002	Wastewater Treatment Plant Flood Mitigation Project	3-5 Years	Not Funded	\$2,855,000	Taylor	2	1
SX21087016	Greensburg-Clover Lick Creek Interceptor Sewer Project	3-5 Years	Not Funded	\$350,000	Green	3	1
SX21217005	Trace Fork Interceptor Sewer System Improvements - Phase I	3-5 Years	Not Funded	\$1,250,000	Taylor	4	2
SX21199009	New Sludge Dewatering Facility and Grit Removal Rehab at Pitman Creek WWTP	0-2 Years	Not Funded	\$2,952,000	Pulaski	5	1
SX21001019	Burkesville Street Lift Station Replacement and Sanitary Sewer Expansion	0-2 Years	Not Funded	\$1,488,455	Adair	6	2
SX21001020	WWTP Improvements - New Influent Pumps	0-2 Years	Not Funded	\$341,250	Adair	7	1
SX21217003	South Campbellsville/KY 70 Area Sewer Extension Project	3-5 Years	Not Funded	\$1,820,000	Taylor	8	4
SX21217009	CMWS – Snow Lane and Steeple Chase Sewer System Extension	3-5 Years	Not Funded	\$941,000	Taylor	9	3
SX21001004	Downtown Sewer System Improvements - Phase 1	0-2 Years	Not Funded	\$2,104,870	Adair	10	3
SX21147006	McCreary Co./KY 1651/East Appletree Rd. Area Sewer System Extensions	3-5 Years	Not Funded	\$713,000	McCreary	11	2
SX21147019	MCWD-Stearns to Smithtown Sewer System	3-5 Years	Not Funded	\$2,043,000	McCreary	12	1
SX21207013	Jamestown Utilities-Jamestown Dock Sewer Extension	6-10 Years	Not Funded	\$1,569,100	Russell	13	1
SX21147012	McCreary Co WD-Pine Knot (KY 1651 & US 92) Area Sanitary Sewer Project	3-5 Years	Not Funded	\$888,500	McCreary	14	3
Total Cost:				\$23,147,545			

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).
- 981.19 miles of existing sewer lines.
- 38.00 miles of line extensions proposed in the next 10 years.
- 11.00 miles of line rehabilitation proposed in the next 10 years.
- 34.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$92,173,993.
- Estimated funding needs for projects from 6 to 10 years: \$258,970.
- Average age of wastewater treatment plants is 35 years.
- Total number of interconnected systems is 3.
- 176 miles of sewer lines less than 15 years old.
- 252 miles of sewer lines between 15 and 30 years old.
- 127 miles of sewer lines between 31 and 50 years old.
- 404 miles of sewer lines between 51 and 70 years old.
- 23 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 647 serviceable households will be added through the construction of 38.00 miles of sewer line extensions and approximately 10,764 instances of improved service through the rehabilitation of 11.00 miles of existing sewer lines and other appurtenances. 34.00 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	1,629	15%	\$ 12,094,740
Grayson	25,746	13,561	27,048	11,007	3,376	25%	\$ 1,873,250
Hardin	105,543	43,261	116,612	46,055	25,746	60%	\$ 30,252,643
Larue	14,193	6,172	14,961	6,069	1,569	25%	\$ 5,456,465
Marion	19,820	8,182	21,424	8,332	3,290	40%	\$ 5,713,200
Meade	28,602	11,762	30,901	11,964	2,560	22%	\$ 4,345,000
Nelson	43,437	18,075	50,119	20,219	8,293	46%	\$ 14,323,000
Washington	11,717	5,044	12,486	4,958	1,311	26%	\$ 18,374,665
Totals	269,117	116,687	295,040	117,392	47,774	41%	\$ 92,432,963

Public Sewer Systems in the Lincoln Trail Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0026701	Cloverport Sewer System	Breckinridge	1,071	527
KY0028363	Hardinsburg Sewer System	Breckinridge	2,242	1,054
KY0092436	Irvington Sewer System	Breckinridge	99	48
KY0072044	Caneyville Sewer System	Grayson	609	301
KY0090590	Clarkson Sewer System	Grayson	898	448
KY0022934	Leitchfield Utilities Commission	Grayson	6,230	2,621
KY0022039	Elizabethtown Wastewater System	Hardin	29,554	13,152
KY0022390	Hardin Co. Water District No. 1 Radcliff Sewer System	Hardin	23,218	10,061
KY0024988	Vine Grove Sewer System	Hardin	5,017	2,090
KY0022152	West Point Sewer System	Hardin	839	445
KY0026379	Hodgenville Sewer System	Larue	3,629	1,568
KY0090719	Bradfordsville Sewer System	Marion	304	150
KY0026549	Lebanon Sewer System	Marion	6,123	2,819
KYP000073	Loretto Wastewater System	Marion	803	321
KY0021474	Brandenburg Sewer System	Meade	2,797	1,213
KY0043478	Doe Valley Association Inc	Meade	1,860	813
KYP000051	Muldraugh Sewer System	Meade	936	532
KY0021237	Bardstown Sewer System	Nelson	17,207	7,447
KYP000086	Bloomfield Wastewater Collection System	Nelson	978	441
KY0034126	New Haven Sewer System	Nelson	938	406
KY0020907	Springfield Water & Sewer Commission	Washington	2,714	1,311
		Totals:	108,066	47,768



Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21179020	New Haven Phase I Sewer Extension to Gethsemani Monastery	3-5 Years	Not Funded	\$791,000	Nelson	1	5
SX21027005	Cloverport Wastewater Plant Improvements	3-5 Years	Not Funded	\$1,070,000	Breckinridge	2	1
SX21093025	West Point WWTP Renovation	3-5 Years	Not Funded	\$3,257,000	Hardin	3	1
SX21123007	Hodgenville WWTP Upgrade & Wet Weather Storage	0-2 Years	Not Funded	\$3,570,000	Larue	4	1
SX21179013	New Haven - WWTP Improvements Projects	3-5 Years	Not Funded	\$1,136,000	Nelson	5	1
SX21085008	Leitchfield Fountain View Sewer Extensions Phase II	3-5 Years	Not Funded	\$535,000	Grayson	6	1
SX21179029	Rowan Creek Sewer Upgrade	3-5 Years	Partially Funded	\$7,000,000	Nelson	7	2
SX21093031	Airview Estates Sewer	0-2 Years	Not Funded	\$1,656,500	Hardin	8	4
SX21179025	New Haven Outfall to Rolling Fork	3-5 Years	Not Funded	\$240,000	Nelson	9	4
SX21155011	Bradfordsville Wastewater Treatment Upgrades	0-2 Years	Not Funded	\$688,900	Marion	10	1
SX21163007	Brandenburg Wastewater Treatment Plant Upgrade & Expansion	3-5 Years	Not Funded	\$3,315,000	Meade	11	1
SX21229010	Springfield Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	\$11,903,720	Washington	12	1
SX21027013	Hardinsburg Sewer System Rehabilitation Phase 2	0-2 Years	Not Funded	\$825,230	Breckinridge	13	2
SX21093011	HCWD #1 Racliff Standby Generator Project	0-2 Years	Not Funded	\$1,597,200	Hardin	14	2
SX21155009	Lebanon Wastewater System Rehabilitation and Improvements	0-2 Years	Not Funded	\$995,000	Marion	15	2
SX21163005	Muldraugh Sewer Improvements Phase 3	3-5 Years	Not Funded	\$1,030,000	Meade	16	2
SX21229006	Springfield - Washington County Regional Sewer Study	3-5 Years	Not Funded	\$150,000	Washington	17	2
SX21027010	Irvington Sanitary Sewer Improvements	3-5 Years	Not Funded	\$3,000,000	Breckinridge	18	4
SX21027015	Cloverport Trailer Park Sewer Rehab	0-2 Years	Not Funded	\$146,040	Breckinridge	19	5
SX21027020	Irvington Manhole Rehabilitation Project	0-2 Years	Not Funded	\$91,390	Breckinridge	20	3
SX21093013	Vine Grove Wastewater Treatment Upgrade & Expansion	3-5 Years	Not Funded	\$3,080,000	Hardin	21	3
SX21155005	Crossroads Industrial Park Sewer Extension	3-5 Years	Not Funded	\$390,000	Marion	22	3
SX21229004	Springfield, Jim Town Project	3-5 Years	Not Funded	\$1,000,000	Washington	23	4
SX21093021	West Point Lift Station Upgrad	3-5 Years	Not Funded	\$343,350	Hardin	24	5
SX21179018	Nelson County Industrial Park Wastewater Project	3-5 Years	Not Funded	\$300,000	Nelson	25	3
SX21179022	New Haven Lyons Community Sewer Extension	3-5 Years	Not Funded	\$1,221,000	Nelson	28	
SX21179021	New Haven Phase II Sewer Extension to New Hope	3-5 Years	Not Funded	\$925,000	Nelson	29	
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	\$600,000	Nelson	30	
SX21179023	New Haven Lyons / Rolling Fork Church Sewer Extension	3-5 Years	Not Funded	\$583,000	Nelson	31	
SX21155001	Lebanon Wastewater System Improvements	3-5 Years	Not Funded	\$293,000	Marion	32	4
SX21027006	City of Hardinsburg: Blancett Lake-Airport Road Wastewater System Extension	3-5 Years	Not Funded	\$707,670	Breckinridge	33	
SX21027019	Irvington Ater Heights Sewer Extension	0-2 Years	Not Funded	\$254,610	Breckinridge	34	
SX21027022	Hardinsburg WWTP Improvements II	0-2 Years	Not Funded	\$406,430	Breckinridge	35	
SX21027007	City of Hardinsburg: Breckwood Wastewater System Extension	3-5 Years	Not Funded	\$476,300	Breckinridge	36	
SX21027008	City of Hardinsburg: Gilbert Heights Wastewater System Extension	3-5 Years	Not Funded	\$314,570	Breckinridge	37	

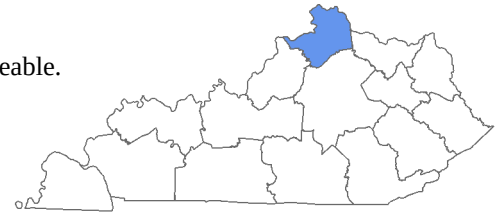


Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21027017	Hardinsburg Hwy 60 East Sewer Extensions	3-5 Years	Not Funded	\$2,411,175	Breckinridge	38	
SX21229005	Willisburg Wastewater Project	3-5 Years	Not Funded	\$3,400,000	Washington	39	3
SX21027014	Forest View Subdivision Sewer Extension	6-10 Years	Not Funded	\$258,970	Breckinridge	40	
SX21179024	Bardstown SSES	0-2 Years	Not Funded	\$150,000	Nelson	41	
SX21027016	Hardinsburg Sewer Rehabilitation Phase III	3-5 Years	Not Funded	\$500,000	Breckinridge	43	
SX21155007	Lebanon / Marion Industrial Pre-Treatment Facility	3-5 Years	Not Funded	\$2,700,000	Marion	44	5
Total Cost:				\$63,313,055			

Northern Kentucky Area Development District (NKADD)

- 2010 census population of 438,647 (185,049 households) with 83% serviceable.
- Projected 2020 population of 488,377 (change of 49,730).
- 2,099.84 miles of existing sewer lines.
- 42.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$68,266,997.
- There are no projects planned from 6 to 10 years.
- Average age of wastewater treatment plants is 25 years.
- Total number of interconnected systems is 3.
- 99 miles of sewer lines less than 15 years old.
- 623 miles of sewer lines between 15 and 30 years old.
- 677 miles of sewer lines between 31 and 50 years old.
- 456 miles of sewer lines between 51 and 70 years old.
- 248 miles of sewer lines greater than 70 years old.



Northern Kentucky Area Development District has a 2010 census population count of 438,647 (185,049 households) with a projected 2020 population count of 488,377 (194,345 households). Public sewer is currently available to approximately 83 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,482 serviceable households will be added through the construction of 42.00 miles of sewer line extensions and approximately 7,293 instances of improved service through the rehabilitation of 12.00 miles of existing sewer lines and other appurtenances. 16.00 miles of interceptor lines are also proposed within this district.

County Summary for Northern Kentucky Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boone	118,811	46,154	153,933	59,951	41,974	91%	\$ 7,229,050
Campbell	90,336	39,523	91,642	37,713	34,771	88%	\$ 12,750,000
Carroll	10,811	4,696	11,440	4,408	3,037	65%	\$ 9,822,295
Gallatin	8,589	3,786	9,264	3,592	1,234	33%	\$ 6,762,673
Grant	24,662	9,942	26,917	9,870	4,234	43%	\$ 10,403,770
Kenton	159,720	68,975	168,458	68,111	65,192	95%	\$ 8,087,456
Owen	10,841	5,634	11,336	4,713	934	17%	\$ 2,817,005
Pendleton	14,877	6,339	15,387	5,987	1,575	25%	\$ 10,394,748
Totals	438,647	185,049	488,377	194,345	152,951	83%	\$ 68,266,997

Public Sewer Systems in the Northern Kentucky Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000015	Florence Water & Sewer Commission	Boone	31,754	13,814
KY0094072	SD1 - Rivershore Farms Subdivision	Boone	660	222
KY0093025	SD1 - Verona Commons Subdivision	Boone	87	27
KY0107239	SD1 - Western Reg Water Reclam Fac	Boone	57,730	21,553
KY0039756	Walton Wastewater System	Boone	3,898	1,540
KY0104655	Beacon Hill Estates	Campbell	414	131
KY0034487	Campbell County MHP	Campbell	47	22
KY0105325	Darlington Creek Hoa Subd	Campbell	51	23
KY0094439	Royal Oak Subdivision	Campbell	43	16
KY0105031	SD1 - Eastern Regional STP	Campbell	11,899	4,495
KY0092843	Yung Farm Estates Subdivision	Campbell	49	20
KY0104931	Carrollton Utilities	Carroll	8,578	3,843
KY0028118	Warsaw Wastewater System	Gallatin	2,082	987
KY0098027	Corinth Sewer Department	Grant	407	176
KYP000041	Dry Ridge Sewer Department	Grant	2,075	830
KY0091634	Grant County Sanitary Sewer District	Grant	5,267	1,988
KY0074284	Grantland Estates Subdivision	Grant	198	64
KY0109991	Williamstown Regional WRF	Grant	3,236	1,209
KY0075833	Bel Aire Subdivision	Kenton	100	36
KY0021466	SD1 - Dry Creek	Kenton	229,571	99,994
KY0028312	Kentucky-American Water Company - Northern Division	Owen	1,401	700
KY0021041	Butler Water & Sewer Department	Pendleton	741	340
KY0106267	Falmouth STP (New)	Pendleton	2,682	1,227
		Totals:	362,970	153,257



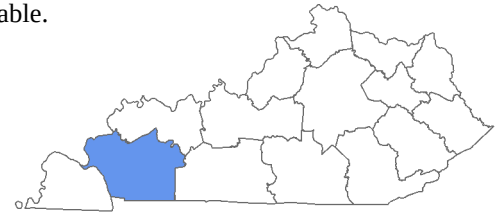
Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21081301	Williamstown Collection System Expansion	3-5 Years	Not Funded	\$6,144,800	Grant	1	1
SX21191102	Oak Haven Pump Station and Force Main	0-2 Years	Partially Funded	\$701,385	Pendleton	2	1
SX21081001	City of Dry Ridge - US-25 Sewer System Expansion	0-2 Years	Not Funded	\$1,640,000	Grant	3	3
SX21191002	Sewer U.S. 27 to Sharp Middle School	0-2 Years	Not Funded	\$3,241,024	Pendleton	4	2
SX21081503	City of Dry Ridge - 2008 Sewer Line Extension	3-5 Years	Not Funded	\$874,000	Grant	5	2
Total Cost:				\$12,601,209			



Pennyriple Area Development District (PEADD)

- 2010 census population of 219,305 (97,910 households) with 52% serviceable.
- Projected 2020 population of 226,580 (change of 7,275).
- 1,051.01 miles of existing sewer lines.
- 28.00 miles of line extensions proposed in the next 10 years.
- 44.00 miles of line rehabilitation proposed in the next 10 years.
- 40.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$158,834,252.
- Estimated funding needs for projects from 6 to 10 years: \$5,653,700.
- Average age of wastewater treatment plants is 38 years.
- Total number of interconnected systems is 7.
- 99 miles of sewer lines less than 15 years old.
- 168 miles of sewer lines between 15 and 30 years old.
- 146 miles of sewer lines between 31 and 50 years old.
- 235 miles of sewer lines between 51 and 70 years old.
- 400 miles of sewer lines greater than 70 years old.



Pennyriple Area Development District has a 2010 census population count of 219,305 (97,910 households) with a projected 2020 population count of 226,580 (89,133 households). Public sewer is currently available to approximately 52 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,429 serviceable households will be added through the construction of 28.00 miles of sewer line extensions and approximately 31,983 instances of improved service through the rehabilitation of 44.00 miles of existing sewer lines and other appurtenances. 40.00 miles of interceptor lines are also proposed within this district.

County Summary for Pennyriple 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	3,291	52%	\$ 7,329,086
Christian	73,955	29,459	77,840	28,340	19,469	66%	\$ 74,237,278
Crittenden	9,315	4,569	9,156	3,775	1,568	34%	\$ 14,213,790
Hopkins	46,920	21,180	48,007	19,684	13,806	65%	\$ 15,000,024
Livingston	9,519	4,824	9,438	4,074	2,038	42%	\$ 7,701,062
Lyon	8,314	4,791	8,523	3,430	1,621	34%	\$ 5,251,550
Muhlenberg	31,499	13,699	31,466	12,337	5,337	39%	\$ 25,951,411
Todd	12,460	5,286	12,958	4,989	1,804	34%	\$ 14,803,751
Trigg	14,339	7,810	16,244	6,986	1,494	19%	-
Totals	219,305	97,910	226,580	89,133	50,428	52%	\$ 164,487,952

Public Sewer Systems in the Pennyryle Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KYP000048	Fredonia Water Department	Caldwell	413	202
KY0028401	Princeton Water & Wastewater Commission	Caldwell	6,262	3,089
KY0066591	Hopkinsville Water Environment Authority - Crofton	Christian	982	478
KY0066532	Hopkinsville Water Environment Authority - Hammond Wood	Christian	34,674	15,712
KY0094056	Hopkinsville Water Environment Authority - Oak Grove	Christian	7,317	3,273
KY0020061	Marion Water Department	Crittenden	3,175	1,568
KY0023868	Dawson Springs Water & Sewer System	Hopkins	2,674	1,274
KYP000043	Earlington Water & Sewer Department	Hopkins	1,390	705
KYP000047	Hanson Water System	Hopkins	994	394
KY0098043	Madisonville Municipal Utilities	Hopkins	21,408	9,939
KYP000050	Mortons Gap Water Department	Hopkins	915	422
KY0066583	Nortonville Sewer Department	Hopkins	1,626	731
KYP000062	White Plains Sewer Department	Hopkins	791	345
KY0110795	Lake City WWTP	Livingston	894	621
KY0100251	Ledbetter Water District	Livingston	1,876	846
KY0066541	Salem Municipal Water System	Livingston	785	382
KY0025836	Smithland Water & Sewer System	Livingston	335	189
KY0027979	Eddyville Water Department	Lyon	2,143	898
KY0020419	Kuttawa Water Department	Lyon	901	606
KYP000079	Lyon County Water District	Lyon	126	117
KY0023540	Central City Municipal Water & Sewer System	Muhlenberg	5,871	2,285
KY0066575	Drakesboro Water & Sewer	Muhlenberg	885	406
KY0020010	Greenville Utilities Commission	Muhlenberg	5,538	2,302
KYP000064	Powderly Sewer System	Muhlenberg	719	344
KY0023442	Elkton Utilities	Todd	2,170	967
KY0063649	Guthrie Water Works	Todd	1,433	649
KY0020982	Trenton Water Works	Todd	390	188
KY0026891	Cadiz Water & Sewer Commission	Trigg	3,100	1,473
		Totals:	109,787	50,405



Project Rankings For Pennyrile Area Development District

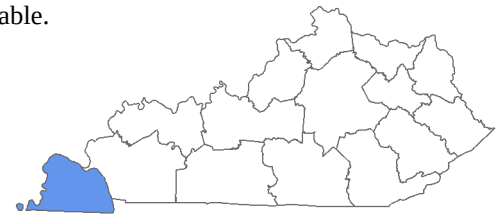
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21055006	City of Marion - New Wastewater Treatment Plant	3-5 Years	Partially Funded	\$13,405,790	Crittenden	1	1
SX21107025	Sanitary Sewer System Rehabilitation and WWTP Improvements	0-2 Years	Not Funded	\$1,901,000	Hopkins	2	1
SX21143009	City of Kuttawa - Lift Station & Force Main Replacement Projects	0-2 Years	Not Funded	\$1,264,200	Lyon	3	1
SX21107022	Madisonville - Noel Avenue Interceptor Project	3-5 Years	Not Funded	\$5,433,001	Hopkins	4	2
SX21047028	HWEA SRF Phase VIII - Expand Hammond-Wood WWTP & Interceptor	0-2 Years	Partially Funded	\$39,324,000	Christian	5	1
SX21033011	Princeton Sanitary Sewer Rehabilitation	0-2 Years	Not Funded	\$2,150,000	Caldwell	6	1
SX21143011	Wastewater SSES and Rehabilitation - South of Fairview Ave	3-5 Years	Not Funded	\$2,043,750	Lyon	7	2
SX21139014	Smithland Lagoon Rehabilitation Project	0-2 Years	Not Funded	\$135,812	Livingston	8	1
SX21177026	Broad Street Area Utility Upgrade Project - Phase 2A & 2B Sewer	0-2 Years	Not Funded	\$720,250	Muhlenberg	9	1
SX21219011	Trenton - Wastewater Treatment Plant Improvements Project	3-5 Years	Not Funded	\$525,000	Todd	10	1
SX21177023	Drakesboro Wastewater Treatment Plant Emergency Standby Generato	0-2 Years	Not Funded	\$40,000	Muhlenberg	11	2
SX21033010	Princeton - WWTP Improvements-Grit Chamber and Sludge Holding Tank	0-2 Years	Not Funded	\$803,500	Caldwell	12	2
SX21143015	Eddyville - New Industrial Park Lift Station Project	0-2 Years	Not Funded	\$557,250	Lyon	13	3
SX21221002	Cadiz Sewer Main Replacement	3-5 Years	Partially Funded	\$900,000	Trigg	14	1
SX21033006	Fredonia - Lift Station Improvements	3-5 Years	Not Funded	\$369,736	Caldwell	15	3
SX21047011	HWEA - Oak Grove Wastewater Treatment Plant Expansion - Construction	3-5 Years	Not Funded	\$3,500,000	Christian	16	2
SX21033009	Princeton-Wastewater Treatment Plant Phosphorus Upgrade	3-5 Years	Not Funded	\$2,555,850	Caldwell	17	4
SX21219009	Guthrie - WWTP Expansion	3-5 Years	Not Funded	\$7,000,000	Todd	18	2
SX21047031	HWEA Phase IX Sewer Rehabilitation Priority 3 & 3A	0-2 Years	Not Funded	\$7,044,050	Christian	19	3
SX21033007	Princeton Sewer Rehabilitation Phase II Basins 7 & 8	3-5 Years	Partially Funded	\$1,450,000	Caldwell	20	5
SX21139010	Smithland Sewer Rehabilitation	3-5 Years	Not Funded	\$1,517,000	Livingston	21	2
SX21219007	Trenton - Sewer System Improvements	0-2 Years	Partially Funded	\$535,000	Todd	22	3
SX21047023	HWEA Oak Grove Village Sewer Project	0-2 Years	Not Funded	\$7,500,000	Christian	23	4
SX21107009	Madisonville South Main Sewer Interceptor Phase 2	3-5 Years	Not Funded	\$1,443,200	Hopkins	24	3
SX21219019	Elkton - WWTP energy efficiency upgrade	0-2 Years	Not Funded	\$82,800	Todd	25	4
SX21107010	Madisonville South Main Sewer Interceptor Phase 3	6-10 Years	Not Funded	\$1,742,700	Hopkins	26	4
SX21139011	Grand Rivers - Wastewater System Rehabilitation	0-2 Years	Not Funded	\$1,000,000	Livingston	27	3
SX21139009	Grand Rivers - Sewer Line Extension	3-5 Years	Not Funded	\$1,450,000	Livingston	28	4
SX21139015	Grand Rivers - Sewer Line Replacement Project	0-2 Years	Not Funded	\$47,250	Livingston	29	5
SX21047029	HWEA- Rockbridge Interceptor	0-2 Years	Not Funded	\$12,624,576	Christian	30	5
SX21219018	Elkton - Winding Oaks Sewer Project	6-10 Years	Not Funded	\$360,000	Todd	31	5
SX21047009	HWEA - Oak Grove Spring Meadows Sewer	0-2 Years	Not Funded	\$4,244,652	Christian	32	6
SX21107028	Mortons Gap - Lift Station Improvements	0-2 Years	Not Funded	\$210,000	Hopkins	33	5
SX21219012	Elkton - Hwy 181 North Sewer Main Extension	11-20 Years	Not Funded	\$750,000	Todd	34	6

Project Rankings For Pennyriple Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21219010	Guthrie - WWTP Debt Reduction	3-5 Years	Not Funded	\$487,000	Todd	35	7
SX21107029	Hanson - Carhart Industrial Park Sewer Improvements	0-2 Years	Not Funded	\$105,000	Hopkins	36	6
SX21219013	Todd County Fiscal Court - Lake Malone Sewer Study	3-5 Years	Not Funded	\$100,000	Todd	37	8
SX21143016	Eddyville - Sewer Lagoon Dredge	0-2 Years	Not Funded	\$1,350,000	Lyon	38	4
SX21047032	HWEA - Phase II-Oak Grove Sewer Extension	0-2 Years	Not Funded	\$4,550,000	Christian	39	7
Total Cost:				\$131,222,367			

Purchase Area Development District (PUADD)

- 2010 census population of 196,393 (93,709 households) with 49% serviceable.
- Projected 2020 population of 201,697 (change of 5,304).
- 942.17 miles of existing sewer lines.
- 121.00 miles of line extensions proposed in the next 10 years.
- 108.00 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: \$209,998,226.
- Estimated funding needs for projects from 6 to 10 years: \$25,454,690.
- Average age of wastewater treatment plants is 34 years.
- Total number of interconnected systems is 2.
- 69 miles of sewer lines less than 15 years old.
- 70 miles of sewer lines between 15 and 30 years old.
- 38 miles of sewer lines between 31 and 50 years old.
- 513 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 38,479 serviceable households will be added through the construction of 121.00 miles of sewer line extensions and approximately 23,374 instances of improved service through the rehabilitation of 108.00 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%	\$ 13,018,382
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%	\$ 7,869,080
Graves	37,121	16,777	37,630	15,459	5,880	35%	\$ 41,251,126
Hickman	4,902	2,342	4,625	1,938	666	28%	-
McCracken	65,565	31,079	66,621	29,278	21,648	70%	\$ 54,483,000
Marshall	31,448	15,748	33,023	14,122	3,861	25%	\$ 105,389,233
Totals	196,393	93,709	201,697	86,121	45,831	49%	\$ 235,452,916

Public Sewer Systems in the Purchase Area Development District

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

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0025747	Barlow Sewer System	Ballard	703	370
KY0033791	Kevil Water & Sewer System	Ballard	709	347
KY0020893	LaCenter Water System	Ballard	1,063	500
KY0025933	Wickliffe Sewer System	Ballard	770	363
KY0072761	Murray Water & Wastewater System	Calloway	19,390	8,983
KY0028371	South 641 Water District	Calloway	417	225
KYP000065	Arlington Water and Sewer Department	Carlisle	359	183
KYP000066	Bardwell City Utilities	Carlisle	795	421
KY0026913	Fulton Municipal Water System	Fulton	2,448	1,330
KY0028436	Hickman Municipal Sewer System	Fulton	2,404	1,054
KY0053562	Graves County Water District (Fancy Farm)	Graves	565	257
KY0021211	Mayfield Electric & Water System	Graves	10,472	4,909
KY0055221	Mayfield Electric & Water Systems (Highland Club)	Graves	28	12
KY0053520	Mayfield Electric & Water Systems (Thomas Country)	Graves	321	130
KY0055271	Symsonia Water District	Graves	583	307
KY0025852	Wingo Water & Sewer System	Graves	595	265
KY0025275	Clinton Sewer	Hickman	1,364	665
KY0021172	Benton Water & Sewer System	Marshall	4,765	2,211
KY0021130	Calvert City Municipal Water & Sewer	Marshall	2,424	1,100
KY0021016	Hardin Sewer System	Marshall	641	297
KY0044164	Marshall County Environmental Services (Golden Acres)	Marshall	70	34
KY0024546	Marshall County Sanitation District #1	Marshall	97	71
KY0044181	Marshall County Sanitation District #2	Marshall	284	130
KY0080845	Marshall County Environmental Services (Great Oaks)	McCracken	521	178
KY0022799	Paducah McCracken County Joint Sewer Agency (Paducah)	McCracken	34,452	17,326
KY0025810	Paducah McCracken County Joint Sewer Agency (Reidland)	McCracken	4,635	2,049
KY0025828	Paducah McCracken County Joint Sewer Agency (Woodlawn)	McCracken	4,467	2,091
		Totals:	95,342	45,808



Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157039	WWTP INFLUENT LIFT STATION AND PLANT IMPROVEMENTS	0-2 Years	Not Funded	\$2,955,000	Marshall	1	1
SX21083007	Graves County-KY 80 North, Fancy Farm	3-5 Years	Not Funded	\$2,100,800	Graves	2	1
SX21145034	Paducah LTCP Project #3 - Outfall 003 Fine Screening - Phase One	0-2 Years	Not Funded	\$3,750,000	McCracken	3	1
SX21083062	City of Wingo - Wastewater System Improvements	0-2 Years	Not Funded	\$566,900	Graves	4	2
SX21145024	Parallel 16 and 20 inch force mains serving renovated Harrison S	3-5 Years	Not Funded	\$1,368,650	McCracken	9	3
SX21145025	Renovate Harrison Street CSO Pumping Station to 10.0 MGD	0-2 Years	Not Funded	\$2,781,430	McCracken	10	2
SX21083063	Cuba Road Gravity Relief Sewer	0-2 Years	Not Funded	\$520,400	Graves	11	4
SX21145020	Sludge Press Building	3-5 Years	Not Funded	\$2,361,000	McCracken	13	4
SX21083064	Mayfield Outfall Relocation	0-2 Years	Not Funded	\$100,000	Graves	14	3
SX21007018	Wickliffe Lift Station Upgrade	3-5 Years	Not Funded	\$700,000	Ballard	16	1
SX21105006	City of Clinton- Replace Force Main to Lagoon	11-20 Years	Not Funded	\$600,000	Hickman	21	2
SX21035023	South 641 - System Rehab Phase II	11-20 Years	Not Funded	\$500,000	Calloway	22	4
SX21083061	Bar Screen for Todd Lift Station	0-2 Years	Not Funded	\$240,000	Graves	25	5
SX21105005	City of Clinton- Hwy 58 Line Replacement	11-20 Years	Not Funded	\$250,000	Hickman	29	4
SX21035026	North End Expansion	0-2 Years	Not Funded	\$1,700,000	Calloway	31	3
Total Cost:				\$20,494,180			



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