

Kentucky

- 2010 census population of 4,339,367 (1,927,164 households) with 61% serviceable.
- Projected 2020 population of 4,533,464 (change of 194,097).
- 17,707 miles of existing sewer lines (14,951 gravity; 2,772 force main).
- 18 new sewage treatment plants proposed in the next 10 years.
- 1,600 miles of line extensions proposed in the next 10 years.
- 456 miles of line rehabilitation proposed in the next 10 years.
- 395 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,484,206,922.
- Estimated funding needs for projects from 6 to 10 years: \$322,102,274.
- Total number of wastewater treatment plants is 246 with average age of 35 years.
- Total number of lift stations is 4,210.
- Total number of interconnected systems is 47.
- 1,657 miles of sewer lines less than 15 years old.
- 4,453 miles of sewer lines between 15 and 30 years old.
- 4,620 miles of sewer lines between 31 and 50 years old.
- 4,119 miles of sewer lines between 51 and 70 years old.
- 2,943 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	842,987	567,686	75%	\$ 541,069,697		
Barren River Area Development District	284,195	308,284	127,203	45%	\$ 113,802,529		
Big Sandy Area Development District	154,093	142,820	43,156	29%	\$ 72,741,778		
Buffalo Trace Area Development District	56,478	55,576	19,676	37%	\$ 10,078,000		
Cumberland Valley Area Development District	236,618	231,747	77,944	34%	\$ 216,771,447		
Five County Area Development District	137,884	133,540	71,627	53%	\$ 120,344,637		
Green River Area Development District	213,472	218,192	135,830	65%	\$ 90,830,745		
Gateway Area Development District	81,652	85,828	36,377	43%	\$ 42,273,629		
Kentuckiana Regional Planning and Development Agency	959,091	1,036,344	820,905	88%	\$ 788,627,676		
Kentucky River Area Development District	114,762	104,801	29,868	25%	\$ 127,932,531		
Lake Cumberland Area Development District	207,256	209,833	58,551	28%	\$ 95,106,616		
Lincoln Trail Area Development District	269,117	280,073	108,070	41%	\$ 115,810,357		
Northern Kentucky Area Development District	438,647	470,233	326,221	74%	\$ 86,681,372		
Pennyrile Area Development District	219,305	216,553	109,850	52%	\$ 181,838,767		
Purchase Area Development District	196,393	196,653	95,384	49%	\$ 202,399,415		
Demographic Totals	4,339,367	4,533,464	2,628,348	61%	\$ 2,806,309,196		
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	31	6	238	730	708	918	778
Barren River Area Development District	42	2	98	319	502	112	9
Big Sandy Area Development District	28	1	125	215	28	61	2
Buffalo Trace Area Development District	36	1	95	41	59	67	0
Cumberland Valley Area Development District	38	2	103	107	274	89	128
FIVCO	39	9	26	200	304	93	6
Green River Area Development District	44	7	108	231	254	225	228
Gateway Area Development District	29	0	65	235	67	34	4
Kentuckiana Regional Planning & Development Agency	35	1	298	1,263	964	930	605
Kentucky River Area Development District	28	1	110	88	104	40	0
Lake Cumberland Area Development District	29	3	76	147	214	41	98
Lincoln Tral Area Development District	37	3	99	165	275	383	59
Northern Kentucky Area Development District	27	2	81	439	698	476	262
Pennyrile Area Development District	40	7	73	196	132	249	400
Purchase Area Development District	36	2	62	77	37	401	364
Asset Condition Averages and Totals:	35	47	1,657	4,453	4,620	4,119	2,943

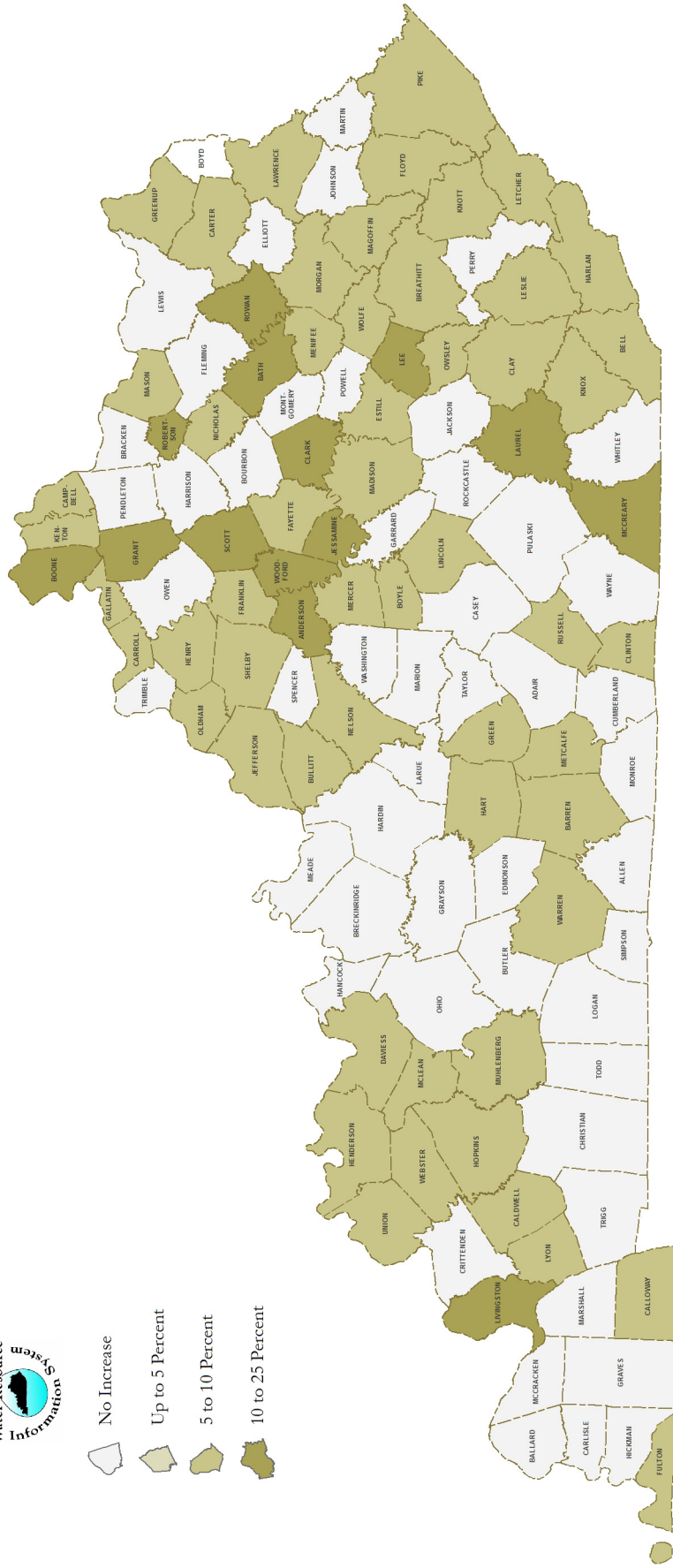
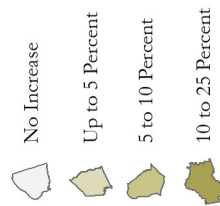


Percent Increase in Households Serviceable by Public Wastewater Systems from 2000 to 2010

Prepared By:
Kentucky Infrastructure Authority

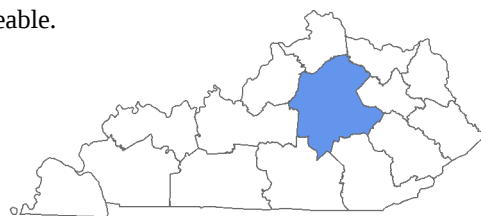
Kentucky Infrastructure Authority
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February, 2015



Bluegrass Area Development District (BGADD)

- 2010 census population of 770,404 (340,939 households) with 75% serviceable.
- Projected 2020 population of 842,987 (change of 72,583).
- 3,319.68 miles of existing sewer lines.
- 253.00 miles of line extensions proposed in the next 10 years.
- 48.00 miles of line rehabilitation proposed in the next 10 years.
- 87.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$422,294,647.
- Estimated funding needs for projects from 6 to 10 years: \$118,775,050.
- Average age of wastewater treatment plants is 31 years.
- Total number of interconnected systems is 6.
- 238 miles of sewer lines less than 15 years old.
- 730 miles of sewer lines between 15 and 30 years old.
- 708 miles of sewer lines between 31 and 50 years old.
- 918 miles of sewer lines between 51 and 70 years old.
- 778 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 842,987 (347,071 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 26,090 serviceable households will be added through the construction of 253.00 miles of sewer line extensions and approximately 114,280 instances of improved service through the rehabilitation of 48.00 miles of existing sewer lines and other appurtenances. 87.00 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	22,821	9,387	5,749	63%	\$ 3,160,000
Bourbon	19,985	8,927	20,090	8,290	5,490	62%	\$ 9,307,000
Boyle	28,432	12,312	30,550	11,949	8,693	71%	\$ 27,075,240
Clark	35,613	15,706	36,206	14,990	11,106	71%	\$ 43,254,705
Estill	14,672	6,865	14,059	5,987	2,281	33%	\$ 44,446,000
Fayette	295,803	135,160	333,580	141,235	131,252	97%	\$ 63,804,384
Franklin	49,285	23,164	50,836	22,009	17,488	76%	\$ 100,887,840
Garrard	16,912	7,463	17,476	7,254	1,855	25%	\$ 12,373,082
Harrison	18,846	8,208	18,751	7,588	3,210	39%	\$ 1,167,000
Jessamine	48,586	19,331	56,126	21,424	14,487	75%	\$ 71,434,833
Lincoln	24,742	10,819	24,324	10,000	3,373	31%	\$ 17,241,920
Madison	82,916	35,043	91,774	36,529	22,107	63%	\$ 71,970,988
Mercer	21,331	9,941	21,389	9,028	4,395	44%	\$ 2,853,190
Nicholas	7,135	3,261	7,070	2,832	1,292	40%	\$ 3,036,500
Powell	12,613	5,598	11,753	4,660	1,924	34%	\$ 9,277,331
Scott	47,173	19,303	59,589	22,976	12,781	66%	\$ 52,632,584
Woodford	24,939	10,711	26,593	10,933	7,308	68%	\$ 7,147,100
Totals	770,404	340,939	842,987	347,071	254,791	75%	\$ 541,069,697

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	Kentucky American Water Co - Millersburg	Bourbon	831	430
KY0031836	Kentucky-American Water Company - North Middletown	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	2,281
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	Kentucky American - Ridgewood	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	31,847	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:	567,654	254,772



Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21065008	Kelly Pump Station 6-Inch Force Main Replacement - Imu	3-5 Years	Not Funded	\$250,000	Estill	1	1
SX21021004	Danville Major Sewer System Rehabilitation	0-2 Years	Not Funded	\$1,740,000	Boyle	2	1
SX21067060	LFUCG - Overbrook Pump Station and Force Main	0-2 Years	Not Funded	\$19,173,000	Fayette	3	3
SX21049026	WMU - Flanagan and Madison Outfall Sewers	0-2 Years	Not Funded	\$6,430,000	Clark	4	1
SX21021006	Danville - Wastewater Treatment Plant Improvements	0-2 Years	Partially Funded	\$10,723,000	Boyle	5	3
SX21151057	BMU - Madison County Airport - Sewer Line Extension Project	0-2 Years	Not Funded	\$620,350	Madison	6	4
SX21017010	City of Paris-Southern Hills Sanitary Sewer Collection Project	3-5 Years	Not Funded	\$1,820,000	Bourbon	7	3
SX21073069	Frankfort Sewer Department WWTP Headworks Replacement	0-2 Years	Not Funded	\$5,900,000	Franklin	8	4
SX21065004	IMU - Sweet Lick Branch Sanitary Sewer Replacement	0-2 Years	Not Funded	\$373,000	Estill	9	2
SX21017013	BCFC - Bedford Acres Sanitary Sewer Project Phase 2	0-2 Years	Not Funded	\$1,850,000	Bourbon	10	1
SX21079015	City of Lancaster Sanitary Sewer Extension	3-5 Years	Not Funded	\$1,644,000	Garrard	11	4
SX21113029	Nicholasville SSES and Sewer Rehabilitation Phase I	0-2 Years	Not Funded	\$3,000,000	Jessamine	12	2
SX21073047	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	0-2 Years	Not Funded	\$1,500,000	Franklin	13	1
SX21073029	Farmdale SD - Phase 1 Sewer Project	0-2 Years	Partially Funded	\$12,500,000	Franklin	14	2
SX21137022	Stanford Sewer Rehabilitation - Phase I	0-2 Years	Not Funded	\$2,020,000	Lincoln	15	2
SX21167019	M C S D - Gwinn Island Road Sanitary Sewer Extension	0-2 Years	Not Funded	\$2,349,940	Boyle	16	1
SX21113026	Wilmore Wastewater Collection System Rehabilitation - Phase 2	0-2 Years	Not Funded	\$647,533	Jessamine	17	1
SX21017004	City of Paris - Claysville Trunk Sewer Replacement Project, Phase II	0-2 Years	Not Funded	\$1,825,000	Bourbon	18	2
SX21005007	Lawrenceburg Collection System I&I Rehab	0-2 Years	Partially Funded	\$2,000,000	Anderson	19	2
SX21197004	Clay City - Phase II Sewer System Rehab	0-2 Years	Partially Funded	\$1,600,000	Powell	20	3
SX21073079	Frankfort Sewer Department Mero Street Pump Station Replacement	3-5 Years	Not Funded	\$2,050,000	Franklin	21	6
SX21151054	Richmond - Silver Creek Outfall Sewer, Phase I	0-2 Years	Fully Funded	\$10,142,000	Madison	22	8
SX21073070	Frankfort Sewer Department Capital Avenue River Interceptor	3-5 Years	Not Funded	\$1,750,000	Franklin	23	3
SX21197002	Clay City Stormwater Relief Project	0-2 Years	Not Funded	\$300,000	Powell	24	8
SX21239014	Versailles - WWTP Improvements - Belt Filter Press Replacement	0-2 Years	Not Funded	\$1,055,000	Woodford	25	8
SX21005009	Lawrenceburg - Lincoln Street Area Sewer Replacement Project	0-2 Years	Partially Funded	\$1,160,000	Anderson	26	3
SX21239006	Southeast Sewer System Expansion	3-5 Years	Not Funded	\$4,502,100	Woodford	27	9
SX21049038	WMU - Strodes Creek WWTP Improvements	3-5 Years	Not Funded	\$4,000,000	Clark	28	9
SX21017005	City of Paris-Mill Run Road & Cathy Drive Sanitary Sewer Project	3-5 Years	Not Funded	\$900,000	Bourbon	29	4
SX21151045	Berea Gravity Sewer Rehabilitation	0-2 Years	Not Funded	\$1,600,000	Madison	30	3
SX21151039	NMCSD - Madison Village Collection System Rehab	3-5 Years	Not Funded	\$2,168,500	Madison	31	5
SX21073026	Farmdale Sanitation District-Rehabilitation Project	0-2 Years	Not Funded	\$300,000	Franklin	32	10
SX21113023	Nicholasville II-Carolyn Lane Sewer Main Extension	3-5 Years	Not Funded	\$1,000,000	Jessamine	33	6

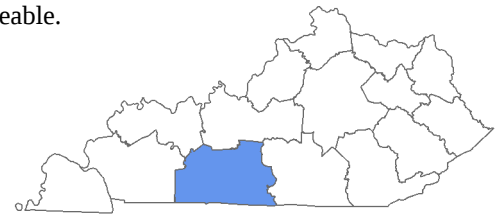
Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21137015	Stanford - US 27 South Sewer Expansion Project	3-5 Years	Not Funded	\$5,326,420	Lincoln	34	5
SX21073084	East Frankfort Interceptor Phase III Wet Weather Facility	0-2 Years	Partially Funded	\$29,725,000	Franklin	35	12
SX21113018	Windhaven Drive Sewer Collection System	0-2 Years	Not Funded	\$450,000	Jessamine	36	4
SX21197014	Clay City Business Park Sewer Extension Project	0-2 Years	Not Funded	\$205,631	Powell	37	4
SX21197015	Stanton - Sewer Service Area Expansion, Phase 2	3-5 Years	Not Funded	\$1,419,400	Powell	38	5
SX21079020	GCSD - Phase II - Paint Lick Sewer Project	3-5 Years	Not Funded	\$716,412	Garrard	39	6
SX21073009	Miami Trails Sanitary Sewer Project	0-2 Years	Not Funded	\$1,500,000	Franklin	40	11
SX21049025	East Washington Street and Flanagan Street Sanitary Sewer System Improvements	3-5 Years	Not Funded	\$2,507,000	Clark	41	2
SX21073076	Frankfort - Thornhill Sanitary Sewer Replacement	3-5 Years	Not Funded	\$4,026,000	Franklin	42	7
SX21065006	Wall Street Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	\$309,000	Estill	43	6
SX21017020	Paris-Bourbon County Industrial Park Connector Rd Sanitary Sewer	0-2 Years	Not Funded	\$162,000	Bourbon	44	5
SX21065007	Covey Road Sewer Extension - Irvine Municipal Utilities	3-5 Years	Not Funded	\$201,000	Estill	45	7
SX21073072	Frankfort Sewer Department Buffalo Alley Pump Station Replacemen	0-2 Years	Not Funded	\$1,300,000	Franklin	46	5
SX21113022	Nicholasville I - Vincewood Drive Sewer Main Extension	3-5 Years	Not Funded	\$450,000	Jessamine	47	5
SX21049033	Winchester - Lincoln Street Redevelopment Project - Sewer	0-2 Years	Not Funded	\$151,455	Clark	48	6
Total Cost:				\$157,342,741			



Barren River Area Development District (BRADD)

- 2010 census population of 284,195 (126,280 households) with 45% serviceable.
- Projected 2020 population of 308,284 (change of 24,089).
- 1,038.70 miles of existing sewer lines.
- 74.00 miles of line extensions proposed in the next 10 years.
- 32.00 miles of line rehabilitation proposed in the next 10 years.
- 10.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$107,862,529.
- Estimated funding needs for projects from 6 to 10 years: \$5,940,000.
- Average age of wastewater treatment plants is 42 years.
- Total number of interconnected systems is 2.
- 98 miles of sewer lines less than 15 years old.
- 319 miles of sewer lines between 15 and 30 years old.
- 502 miles of sewer lines between 31 and 50 years old.
- 112 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 308,284 (124,013 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 1,534 serviceable households will be added through the construction of 74.00 miles of sewer line extensions and approximately 11,871 instances of improved service through the rehabilitation of 32.00 miles of existing sewer lines and other appurtenances. 10.00 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	21,377	8,686	2,119	23%	\$ 13,683,186
Barren	42,173	19,188	45,135	18,565	8,948	47%	\$ 15,566,500
Butler	12,690	5,877	12,720	5,295	1,106	19%	\$ 989,840
Edmonson	12,161	6,467	11,812	5,109	1,060	16%	\$ 11,158,771
Hart	18,199	8,559	18,683	7,532	2,404	28%	\$ 8,469,967
Logan	26,835	12,339	26,890	10,907	4,890	40%	\$ 15,872,000
Metcalfe	10,099	4,681	9,773	4,038	824	18%	\$ 14,115,000
Monroe	10,963	5,204	10,291	4,310	1,589	31%	\$ 3,864,023
Simpson	17,327	7,435	18,396	7,354	4,521	61%	\$ 24,147,242
Warren	113,792	47,223	133,207	52,217	29,330	62%	\$ 5,936,000
Totals	284,195	126,280	308,284	124,013	56,791	45%	\$ 113,802,529

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	4,352	2,119
KY0095443	Bon Ayr Estates MH Park	Barren	31	13
KY0021164	Glasgow Water Company	Barren	15,071	7,239
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	3,901
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	10,221	4,521
KY0022403	Bowling Green Municipal Utilities	Warren	54,421	23,172
KYP000032	Warren County Water District	Warren	15,078	6,156
		Totals:	127,168	56,773



Project Rankings For Barren River Area Development District

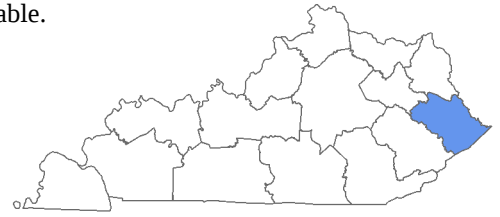
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21009044	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	\$1,000,000	Barren	1	1
SX21031009	Morgantown - Sewer Main Infrastructure Replacement/Repair to Sewer Main	3-5 Years	Not Funded	\$500,000	Butler	2	1
SX21099026	Progress Park Industrial Park Pretreatment Expansion	0-2 Years	Partially Funded	\$2,353,442	Hart	3	1
SX21171021	Gamaliel Lift Stations Rehab	0-2 Years	Not Funded	\$150,000	Monroe	4	1
SX21213040	Macedonia Lift Station Upgrade	3-5 Years	Not Funded	\$800,000	Simpson	5	1
SX21003036	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	\$2,255,012	Allen	6	1
SX21061007	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	\$3,315,000	Edmonson	7	1
SX21169016	City of Edmonton - New Wastewater Treatment Plant	3-5 Years	Not Funded	\$12,000,000	Metcalfe	8	1
SX21141042	City of Lewisburg - Line C Collection System Replacement	11-20 Years	Not Funded	\$62,000	Logan	9	1
SX21227048	BGMU - Emergency Generator for Jennings Creek Lift Station	0-2 Years	Not Funded	\$130,000	Warren	10	1
SX21099023	Horse Cave Regional Water Replacement Facility Expansion Project	0-2 Years	Not Funded	\$2,836,000	Hart	11	2
SX21169002	Highway 68 North Sewer Service Project	0-2 Years	Not Funded	\$740,000	Metcalfe	12	2
SX21213028	City of Franklin - Sewer Upgrades to Ky Downs	3-5 Years	Partially Funded	\$9,650,000	Simpson	13	2
SX21061009	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	\$7,843,771	Edmonson	14	2
SX21171003	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	\$1,000,000	Monroe	15	2
SX21009045	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	\$900,000	Barren	16	2
SX21031010	Morgantown - Sanitary Sewer Infiltration Project-Phase I	3-5 Years	Not Funded	\$300,000	Butler	17	2
SX21003022	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	\$1,250,000	Allen	18	2
SX21227057	WCWD - Hidden River Interceptor	3-5 Years	Not Funded	\$372,000	Warren	19	2
SX21141024	City of Auburn - Wastewater Project #2 - Replace Lift Stations	3-5 Years	Not Funded	\$750,000	Logan	20	2
SX21003024	City of Scottsville - US 231 Sewer Extension	0-2 Years	Not Funded	\$6,546,000	Allen	21	3
SX21009048	Glasgow WWTP Improvement - Upgrade Plant From 4Mgd to 6Mgd	3-5 Years	Not Funded	\$9,994,000	Barren	22	3
SX21141035	Russellville - Hwy 431 South Sewer Project	3-5 Years	Not Funded	\$4,150,000	Logan	23	3
SX21171018	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	\$193,000	Monroe	24	3
SX21099021	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	\$1,450,000	Hart	25	3
SX21169012	Edmonton - Old Glasgow Street Area Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	26	3
SX21213017	City of Franklin - North Franklin Sewer Line Extensions	0-2 Years	Not Funded	\$6,074,462	Simpson	27	3
SX21227031	WCWD - Extend 14-Inch BGMU Force Main to WWTP	6-10 Years	Not Funded	\$298,000	Warren	28	3
SX21031011	City of Morgantown - Sanitary Sewer Extension - Hwy 231	3-5 Years	Not Funded	\$37,840	Butler	29	3
SX21171019	Sewer Collections and I/I Project Phase I	0-2 Years	Not Funded	\$149,875	Monroe	30	4
SX21099006	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	\$400,000	Hart	31	4
SX21009035	Glasgow Trunkline to Sewer Plant - South	0-2 Years	Not Funded	\$331,500	Barren	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
SX21169008	Edmonton - River Road Project Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	34	4
SX21227045	WCWD- Basil Griffin Park Lift Station, Phase 2	3-5 Years	Not Funded	\$835,000	Warren	35	4
SX21213027	City of Franklin - Manhole Rehabilitation Project	3-5 Years	Not Funded	\$258,750	Simpson	37	4
SX21031006	Morgantown - Sawmill Road Sewer Extension	3-5 Years	Not Funded	\$80,000	Butler	38	4
SX21099022	Munfordville Sewer Extensions and Pump Station Rehabilitations	0-2 Years	Not Funded	\$1,430,525	Hart	39	5
SX21213010	SCWD - Hwy 31W North Area Sewer	11-20 Years	Not Funded	\$572,836	Simpson	40	5
SX21003012	Holt Drive Sewer	0-2 Years	Not Funded	\$282,174	Allen	41	5
SX21169007	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	\$400,000	Metcalfe	42	5
SX21031005	Morgantown - North Taylor Street Sewer Extension	3-5 Years	Not Funded	\$72,000	Butler	43	5
Total Cost:				\$83,113,187			

Big Sandy Area Development District (BSADD)

- 2010 census population of 154,093 (70,217 households) with 29% serviceable.
- Projected 2020 population of 142,820 (change of -11,273).
- 438.92 miles of existing sewer lines.
- 50.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$68,012,218.
- Estimated funding needs for projects from 6 to 10 years: \$4,729,560.
- Average age of wastewater treatment plants is 28 years.
- Total number of interconnected systems is 1.
- 125 miles of sewer lines less than 15 years old.
- 215 miles of sewer lines between 15 and 30 years old.
- 28 miles of sewer lines between 31 and 50 years old.
- 61 miles of sewer lines between 51 and 70 years old.
- 2 miles of sewer lines greater than 70 years old.



Big Sandy Area Development District has a 2010 census population count of 154,093 (70,217 households) with a projected 2020 population count of 142,820 (59,398 households). Public sewer is currently available to approximately 29 percent of the district's households based on 2010 census counts. Over the next ten years approximately 4,354 serviceable households will be added through the construction of 50.00 miles of sewer line extensions and approximately 7,612 instances of improved service through the rehabilitation of 12.00 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	36,156	15,209	5,990	33%	\$ 14,986,084
Johnson	23,356	10,624	23,058	9,416	3,400	32%	\$ 13,487,904
Magoffin	13,333	5,950	12,497	5,296	1,568	26%	\$ 8,017,960
Martin	12,929	5,164	11,697	4,304	1,112	22%	\$ 6,377,063
Pike	65,024	30,304	59,412	25,173	8,186	27%	\$ 29,872,767
Totals	154,093	70,217	142,820	59,398	20,256	29%	\$ 72,741,778

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	899	493
KY0027413	Prestonsburg City's Utilities Commission	Floyd	8,664	4,020
KY0107051	Prestonsburg City's Utilities Commission - Eastern Sewer Plant	Floyd	125	54
KY0109258	Prestonsburg City's Utilities Commission - Harold	Floyd	808	383
KY0105228	Prestonsburg City's Utilities Commission - Wayland	Floyd	479	238
KY0028789	Wheelwright Utilities Commission	Floyd	949	388
KY0103578	Paintsville Utilities Commission - Honey Branch	Johnson	2,773	1,152
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	3,508	1,568
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	9,964	4,611
KY0020958	Elkhorn City Water Department	Pike	1,040	517
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	1,930	969
		Totals:	43,156	20,256

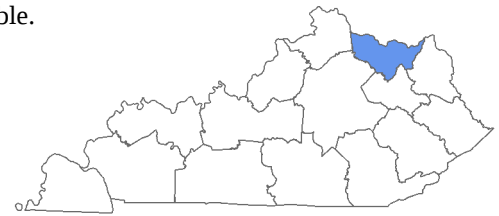


Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21195032	Elkhorn City - Wastewater Collection Improvements Project	0-2 Years	Not Funded	\$1,180,416	Pike	1	1
SX21071013	Rehab Prestonsburg's Old Wastewater Treatment Plant	0-2 Years	Not Funded	\$847,400	Floyd	2	1
SX21159013	Inez Wastewater System Improvement Project	0-2 Years	Not Funded	\$4,836,550	Martin	3	1
SX21153004	Salyersville I & I Reduction Project	3-5 Years	Not Funded	\$2,000,000	Magoffin	4	1
SX21115003	Western Johnson County Sewer Extension Phase 1	0-2 Years	Not Funded	\$1,668,167	Johnson	5	1
SX21071006	City of Martin New Sewer Line Extension to Eliminate Package Treatment Plants	0-2 Years	Not Funded	\$1,160,250	Floyd	6	2
SX21153008	Salyersville Wastewater treatment Plant Improvements	0-2 Years	Not Funded	\$930,285	Magoffin	7	2
SX21159014	Warfield Wastewater Treatment Plant Upgrade	0-2 Years	Not Funded	\$1,540,513	Martin	8	2
SX21195036	Small Package Wastewater Treatment Plant and Rehabilitation Project Phase I	0-2 Years	Not Funded	\$480,000	Pike	9	2
SX21115011	Western Johnson County Sewer Extension Phase 2	0-2 Years	Not Funded	\$1,012,690	Johnson	10	2
SX21153005	Allen Drive Lift Station	0-2 Years	Not Funded	\$260,000	Magoffin	11	3
SX21195102	Pikeville Yorkwood Forest Subdivision Sewerline Extension South Along US 23	0-2 Years	Not Funded	\$391,800	Pike	12	3
SX21071001	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	3-5 Years	Not Funded	\$1,821,000	Floyd	13	3
SX21071012	Garth Hollow Sewer line Extension	0-2 Years	Not Funded	\$432,500	Floyd	14	4
SX21195038	Belfry Pond Sewer Project Phase II	0-2 Years	Not Funded	\$2,700,000	Pike	15	4
SX21195120	Pikeville Sewer Telemetry Project	0-2 Years	Partially Funded	\$375,000	Pike	16	5
SX21195037	Small Package Wastewater Treatment Plant Replacement and Rehabilitation Project Phase II	0-2 Years	Not Funded	\$466,500	Pike	17	6
SX21195009	Elkhorn City - Centerville Sewer Line	3-5 Years	Not Funded	\$650,000	Pike	18	7
Total Cost:				\$22,753,071			

Buffalo Trace Area Development District (BTADD)

- 2010 census population of 56,478 (26,144 households) with 37% serviceable.
- Projected 2020 population of 55,576 (change of -902).
- 224.07 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 19.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,725,000.
- Estimated funding needs for projects from 6 to 10 years: \$7,353,000.
- Average age of wastewater treatment plants is 36 years.
- Total number of interconnected systems is 1.
- 95 miles of sewer lines less than 15 years old.
- 41 miles of sewer lines between 15 and 30 years old.
- 59 miles of sewer lines between 31 and 50 years old.
- 67 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 55,576 (22,928 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 614 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 441 instances of improved service through system wide upgrades. 19.00 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	8,139	3,380	954	25%	\$ 840,000
Fleming	14,348	6,623	14,790	5,981	1,823	28%	\$ 1,144,500
Lewis	13,870	6,481	13,434	5,605	1,704	26%	\$ 5,144,000
Mason	17,490	8,105	17,106	7,071	4,789	59%	\$ 2,290,500
Robertson	2,282	1,095	2,107	891	291	27%	\$ 659,000
Totals	56,478	26,144	55,576	22,928	9,561	37%	\$ 10,078,000

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	1,219	533
KY0104299	Mount Olivet Sewer	Robertson	638	289
		Totals:	19,552	9,514



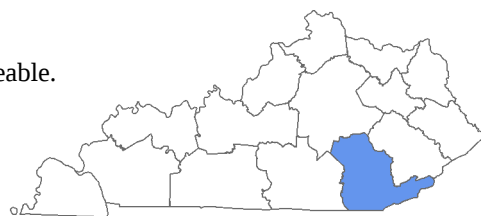
Project Rankings For Buffalo Trace Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21023009	ARSA , I&I Reduction and Sewer Rehab Phase 1	0-2 Years	Not Funded	\$753,000	Bracken	1	1
SX21069020	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Not Funded	\$525,000	Fleming	2	1
SX21135020	LCSD Sewer Extension to Burtonville	3-5 Years	Not Funded	\$1,080,000	Lewis	3	1
SX21161021	Western Mason Lift Station Upgrade	3-5 Years	Not Funded	\$500,500	Mason	4	1
SX21201005	Mt. Olivet Phase III Sewer Line Extension	6-10 Years	Not Funded	\$659,000	Robertson	5	1
SX21201004	Mt. Olivet-Extend Service to Sardis From KY 616	11-20 Years	Not Funded	\$2,353,000	Robertson	6	2
SX21161024	WMSD Barrett Pike-Clarks Run Expansion	6-10 Years	Not Funded	\$950,000	Mason	7	2
SX21135002	Garrison Sewer Phase II	6-10 Years	Not Funded	\$2,000,000	Lewis	8	2
SX21069017	Fox Valley Recreation Area PTP replacement	3-5 Years	Not Funded	\$619,500	Fleming	9	2
SX21023008	WMSD-Jett Estates Sewer	6-10 Years	Not Funded	\$840,000	Bracken	10	2
SX21135013	3037 Collection	6-10 Years	Not Funded	\$1,000,000	Lewis	11	3
SX21135007	LCSD-Ribolt Area	6-10 Years	Not Funded	\$794,000	Lewis	12	4
SX21135022	Tollesboro Industrial Park (Sewer)	6-10 Years	Not Funded	\$270,000	Lewis	13	5
SX21135003	Garrison Sewer Phase III	11-20 Years	Not Funded	\$1,500,000	Lewis	14	6
Total Cost:				\$13,844,000			



Cumberland Valley Area Development District (CVADD)

- 2010 census population of 236,618 (104,865 households) with 34% serviceable.
- Projected 2020 population of 231,747 (change of -4,871).
- 632.00 miles of existing sewer lines.
- 586.00 miles of line extensions proposed in the next 10 years.
- 33.00 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: \$128,952,059.
- Estimated funding needs for projects from 6 to 10 years: \$87,819,388.
- Average age of wastewater treatment plants is 38 years.
- Total number of interconnected systems is 2.
- 103 miles of sewer lines less than 15 years old.
- 107 miles of sewer lines between 15 and 30 years old.
- 274 miles of sewer lines between 31 and 50 years old.
- 89 miles of sewer lines between 51 and 70 years old.
- 128 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 231,747 (93,695 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 19,695 serviceable households will be added through the construction of 586.00 miles of sewer line extensions and approximately 35,180 instances of improved service through the rehabilitation of 33.00 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	26,394	11,080	6,302	48%	\$ 26,015,655
Clay	21,730	8,875	20,177	7,489	1,871	21%	\$ 17,149,343
Harlan	29,278	13,513	26,368	10,785	5,901	44%	\$ 26,273,034
Jackson	13,494	6,523	13,119	5,663	498	8%	\$ 1,400,000
Knox	31,883	14,485	31,443	13,096	4,632	32%	\$ 7,582,676
Laurel	58,849	25,446	61,519	25,223	9,261	36%	\$ 90,568,450
Rockcastle	17,056	7,703	16,740	6,967	2,067	27%	\$ 26,968,798
Whitley	35,637	15,166	35,987	13,392	4,918	32%	\$ 20,813,491
Totals	236,618	104,865	231,747	93,695	35,450	34%	\$ 216,771,447

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	13,021	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:	77,647	35,336

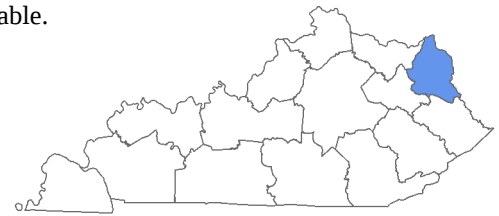


Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21235004	Sanitary Sewer Rehabilitation and I&I Removal Project	0-2 Years	Fully Funded	\$2,516,489	Whitley	1	1
SX21013003	Virginia Avenue/Courthouse Square Utility Replacements	0-2 Years	Over Funded	\$3,600,000	Bell	2	1
SX21095013	City of Loyall - CSO Elimination	0-2 Years	Not Funded	\$271,498	Harlan	3	1
SX21125008	Mitchell Creek Road Force Main Relocation	0-2 Years	Not Funded	\$266,000	Laurel	4	1
SX21109001	Phase 1 - Wastewater System Rehabilitation	3-5 Years	Partially Funded	\$1,400,000	Jackson	5	1
SX21095050	Harlan: Sanitary Sewer - Combined Sewer Rehabilitation	0-2 Years	Partially Funded	\$1,368,490	Harlan	6	2
SX21095014	City of Loyall - Wastewater Treatment Plant Rehab and Upgrades	0-2 Years	Not Funded	\$1,199,820	Harlan	7	3
SX21203317	City of Brodhead - WWTP Upgrade and Improvement	0-2 Years	Not Funded	\$5,000,000	Rockcastle	8	3
SX21013009	Middlesboro Main Sewage LS Rehab & WWTP Pump Replacements	0-2 Years	Not Funded	\$450,000	Bell	9	2
SX21125322	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	\$10,150,000	Laurel	10	2
SX21203002	City of Mt. Vernon Sewer Lift Station Rehab Project	0-2 Years	Not Funded	\$835,000	Rockcastle	11	2
SX21203001	Wastewater Collection System Improvement Project	0-2 Years	Not Funded	\$293,110	Rockcastle	12	1
SX21125114	Corbin: Sanitary Sewer Service Along London Avenue, Haskew Avenue	0-2 Years	Not Funded	\$163,337	Knox	13	1
SX21203190	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	\$1,640,000	Rockcastle	14	4
SX21125007	Moriah Road Pressure Sewer Extension	0-2 Years	Not Funded	\$1,899,000	Laurel	15	3
SX21125318	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	\$1,199,266	Laurel	16	4
SX21013006	Pineville WWTP Expansion	0-2 Years	Not Funded	\$9,500,000	Bell	17	3
SX21235006	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	\$4,732,000	Whitley	18	2
SX21095003	Tri Cities Sewer Interconnect Phase 1	0-2 Years	Not Funded	\$297,100	Harlan	19	5
SX21125115	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	\$231,475	Laurel	21	5
SX21051006	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	\$1,180,000	Clay	22	3
SX21203191	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	\$5,500,000	Rockcastle	23	5
SX21051007	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	\$425,000	Clay	24	2
SX21051004	City of Manchester Wastewater System Improvements	0-2 Years	Not Funded	\$126,800	Clay	25	1
SX21095509	City of Benham Rehabilitation	3-5 Years	Not Funded	\$450,000	Harlan	26	4
SX21103156	US 119 Sewer Line Extension	6-10 Years	Not Funded	\$3,300,000	Bell	27	4
Total Cost:				\$57,994,385			

Five County Area Development District (FIVCO)

- 2010 census population of 137,884 (61,101 households) with 53% serviceable.
- Projected 2020 population of 133,540 (change of -4,344).
- 626.80 miles of existing sewer lines.
- 58.00 miles of line extensions proposed in the next 10 years.
- 28.00 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: \$108,537,437.
- Estimated funding needs for projects from 6 to 10 years: \$11,807,200.
- Average age of wastewater treatment plants is 39 years.
- Total number of interconnected systems is 9.
- 26 miles of sewer lines less than 15 years old.
- 200 miles of sewer lines between 15 and 30 years old.
- 304 miles of sewer lines between 31 and 50 years old.
- 93 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 133,540 (54,015 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 1,516 serviceable households will be added through the construction of 58.00 miles of sewer line extensions and approximately 26,755 instances of improved service through the rehabilitation of 28.00 miles of existing sewer lines and other appurtenances. 18.00 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	47,912	19,321	17,753	81%	\$ 42,380,000
Carter	27,720	12,311	26,852	10,685	2,897	24%	\$ 15,005,000
Elliott	7,852	3,371	7,633	2,975	381	11%	-
Greenup	36,910	16,330	35,475	14,654	9,285	57%	\$ 24,756,470
Lawrence	15,860	7,286	15,668	6,380	1,945	27%	\$ 38,203,167
Totals	137,884	61,101	133,540	54,015	32,261	53%	\$ 120,344,637

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	4,146	1,850
KYP000044	Boyd County Sanitation District #4	Boyd	10,943	4,193
KY0022373	City of Ashland	Boyd	21,632	10,517
KY0035467	City of Catlettsburg	Boyd	2,463	1,153
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:	71,472	32,190



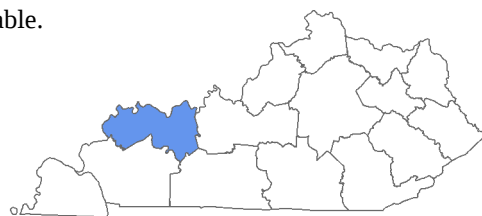
Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21019079	Boyd County Sanitation District #4 - Hatchery Road Lift Station	0-2 Years	Not Funded	\$1,500,000	Boyd	1	1
SX21019065	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	0-2 Years	Partially Funded	\$32,255,000	Boyd	2	2
SX21019085	Catlettsburg Treatment Plant and Pump Station Improvements	0-2 Years	Not Funded	\$280,000	Boyd	3	3
SX21127029	Louisa: Wastewater Treatment Plant	3-5 Years	Not Funded	\$9,000,000	Lawrence	4	1
SX21089056	City of Flatwoods I & I Study and Rehab Project	0-2 Years	Not Funded	\$650,000	Greenup	5	1
SX21019062	SD2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	\$2,173,000	Boyd	6	4
SX21089111	Phase 2 Sewer Line Extension Project (Lloyd)	0-2 Years	Partially Funded	\$4,215,000	Greenup	7	2
SX21019077	SD4: Rehab Ray Drive Sewer Line	0-2 Years	Not Funded	\$312,000	Boyd	8	5
SX21089036	Greenup: Rehab Or Replacement of Collection System	3-5 Years	Not Funded	\$2,000,000	Greenup	9	3
SX21089031	City of Raceland: Lynnwood Street Sewer Replacement	0-2 Years	Not Funded	\$138,000	Greenup	10	4
SX21089126	Wurtland System Smoke Testing	0-2 Years	Not Funded	\$500,000	Greenup	11	5
SX21089121	Rehab of sewer lines on Gregory and Diedrich	0-2 Years	Not Funded	\$173,000	Greenup	12	6
SX21089095	South Shore: Upgrade McKell Lift Station	0-2 Years	Not Funded	\$425,000	Greenup	13	7
SX21089123	Rehab Worthington Ave Liftstation	0-2 Years	Not Funded	\$150,000	Greenup	14	8
SX21089125	Force Main from Alpine Village	0-2 Years	Not Funded	\$500,000	Greenup	15	9
SX21019084	Catlettsburg Phase 2 Lift Station Rehab	0-2 Years	Not Funded	\$330,000	Boyd	16	6
SX21019028	BCFC: Phase IV Rockhouse Rock Extension Into Greenup County	6-10 Years	Not Funded	\$260,000	Boyd	17	7
Total Cost:				\$54,861,000			



Green River Area Development District (GRADD)

- 2010 census population of 213,472 (92,066 households) with 65% serviceable.
- Projected 2020 population of 218,192 (change of 4,720).
- 1,054.77 miles of existing sewer lines.
- 12.00 miles of line extensions proposed in the next 10 years.
- 40.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$80,598,745.
- Estimated funding needs for projects from 6 to 10 years: \$10,232,000.
- Average age of wastewater treatment plants is 44 years.
- Total number of interconnected systems is 7.
- 108 miles of sewer lines less than 15 years old.
- 231 miles of sewer lines between 15 and 30 years old.
- 254 miles of sewer lines between 31 and 50 years old.
- 225 miles of sewer lines between 51 and 70 years old.
- 228 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 218,192 (88,339 households). Public sewer is currently available to approximately 65 percent of the district's households based on 2010 census counts. Over the next ten years approximately 471 serviceable households will be added through the construction of 12.00 miles of sewer line extensions and approximately 11,007 instances of improved service through the rehabilitation of 40.00 miles of existing sewer lines and other appurtenances. 3.00 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	102,033	41,523	32,923	79%	\$ 23,874,920
Hancock	8,565	3,734	8,786	3,475	1,454	39%	\$ 635,000
Henderson	46,250	20,320	46,358	19,141	13,886	68%	\$ 4,509,615
McLean	9,531	4,264	9,274	3,783	1,832	43%	\$ 12,818,500
Ohio	23,842	10,219	24,235	9,620	3,220	32%	\$ 1,150,120
Union	15,007	6,141	14,906	5,749	3,683	60%	\$ 39,302,590
Webster	13,621	5,936	12,600	5,048	2,802	47%	\$ 8,540,000
Totals	213,472	92,066	218,192	88,339	59,800	65%	\$ 90,830,745

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
KY0073377	Regional Water Resource Agency - East	Daviess	33,083	13,854
KY0020095	Regional Water Resource Agency - West	Daviess	41,223	18,755
KY0054941	Whitesville Water Works	Daviess	711	314
KY0020087	Hawesville Water Works	Hancock	1,266	562
KY0025241	Lewisport Municipal Water Works	Hancock	1,939	892
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	3,891	1,635
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	497
KYP000060	Waverly Wastewater Collection	Union	349	159
KY0028096	Clay Water Works	Webster	1,181	514
KY0021296	Providence Water Works	Webster	2,861	1,441
KYP000054	Sebree Collection System	Webster	1,471	556
KYP000055	Webster County Sanitation District	Webster	852	291
		Totals:	135,827	59,799



Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21059027	Ravine Sewer Upgrade	0-2 Years	Partially Funded	\$9,000,000	Daviess	1	1
SX21233025	Providence Sanitary Sewer Upgrades	0-2 Years	Not Funded	\$7,230,000	Webster	2	1
SX21225035	Morganfield Job Corp Sanitary Sewer Replacement Construction Pro	0-2 Years	Partially Funded	\$5,000,000	Union	3	1
SX21233026	Providence Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	\$1,959,000	Webster	4	2
SX21225033	Job Corps / Morganfield Wastewater Project	0-2 Years	Not Funded	\$19,952,000	Union	5	2
SX21101046	Biosolids Reduction - Screw Press	0-2 Years	Not Funded	\$1,986,500	Henderson	6	1
SX21149023	Sacramento Gravity Sewer Project, Phase II	0-2 Years	Not Funded	\$940,000	McLean	7	1
SX21059057	Spring Lane Sewer Extension	0-2 Years	Not Funded	\$425,000	Daviess	8	2
SX21101023	Henderson Water Utility Manhole Renovation	11-20 Years	Not Funded	\$1,100,000	Henderson	9	2
SX21101043	Corydon Pump Station Rehab	3-5 Years	Not Funded	\$250,000	Henderson	10	3
SX21101036	Thorn Ridge Sewer Extension	11-20 Years	Not Funded	\$200,000	Henderson	11	4
SX21101014	Holloway Hills Sewer Extension	11-20 Years	Not Funded	\$600,000	Henderson	12	5
SX21101016	Grantwood Sewer Service Extension	11-20 Years	Not Funded	\$1,000,000	Henderson	13	6
SX21101045	Atkinson Park Sewershed	0-2 Years	Not Funded	\$533,000	Henderson	14	7
SX21101044	Corydon Emergency Generator Project	0-2 Years	Not Funded	\$28,315	Henderson	15	8
SX21101018	Graham Hill Sewer Extensions	11-20 Years	Not Funded	\$3,150,000	Henderson	16	9
SX21225012	Sturgis Wastewater Treatment Plant Upgrade	6-10 Years	Partially Funded	\$2,710,000	Union	17	3
SX21183012	Valley View Sewer Line Replacement	3-5 Years	Not Funded	\$321,120	Ohio	18	1
SX21149031	Calhoun Wastewater Plant Replacement Project	0-2 Years	Not Funded	\$4,925,000	McLean	19	2
SX21233023	New Providence Area Sewer Project	6-10 Years	Not Funded	\$1,200,000	Webster	23	4
SX21149028	Sacramento Phase III Gravity Sewer Project	6-10 Years	Not Funded	\$375,000	McLean	24	3
SX21149029	Sacramento Phase IV Gravity Sewer Project	11-20 Years	Not Funded	\$1,147,500	McLean	25	4
SX21183002	North 231 Sewer Extension Project	11-20 Years	Not Funded	\$700,000	Ohio	26	2
SX21149017	Sacramento Sewer Pumps 2	3-5 Years	Not Funded	\$280,000	McLean	28	5
SX21059043	Whitesville Sewer Rehabilitation Project	3-5 Years	Not Funded	\$58,000	Daviess	29	6
SX21225015	Uniontown Lift Station Rebuilds	6-10 Years	Not Funded	\$1,000,000	Union	30	4
SX21149026	KY815/KY81 Sanitary Sewer Project	3-5 Years	Not Funded	\$800,000	McLean	31	6
SX21149002	Livermore Sewer Line Extensions	6-10 Years	Not Funded	\$1,500,000	McLean	32	7
SX21149032	Buttonsberry Sewer Line Project	6-10 Years	Not Funded	\$1,600,000	McLean	33	8
SX21149005	Fox Hollow Road Sewer Line Extension	6-10 Years	Not Funded	\$1,000,000	McLean	34	9
SX21233001	Webster County Sanitation Expansion Project	11-20 Years	Not Funded	\$4,615,000	Webster	35	5
SX21091013	Highway 60 East Economic Development	3-5 Years	Not Funded	\$500,000	Hancock	36	1
SX21149030	Crawley Road Relining Project	11-20 Years	Not Funded	\$199,500	McLean	37	10
SX21233028	Clay Manhole Renovation Project	0-2 Years	Not Funded	\$110,000	Webster	38	6



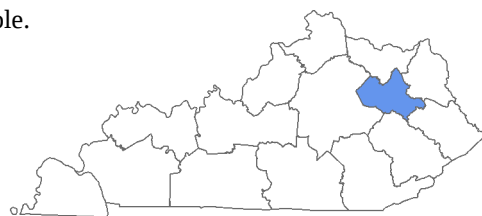
Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21225025	Winn Addition Sewer Expansion	11-20 Years	Not Funded	\$3,424,400	Union	39	5
SX21091017	Lewisport Manhole Inspection and Relining Project	3-5 Years	Not Funded	\$135,000	Hancock	40	2
SX21183007	Centertown Sewer Clean Out Machine Purchase Project	11-20 Years	Not Funded	\$50,000	Ohio	41	3
SX21225022	Uniontown Lagoon Dredging	0-2 Years	Not Funded	\$1,500,000	Union	42	6
SX21183019	Hartford Sewer Improvements	0-2 Years	Not Funded	\$829,000	Ohio	43	4
SX21149004	Hwy 431 Sewer Main Extension	6-10 Years	Not Funded	\$500,000	McLean	44	11
SX21225036	Morganfield Clarifier Replacement	0-2 Years	Not Funded	\$1,131,500	Union	45	7
SX21091016	Lift station Elimination Project	11-20 Years	Not Funded	\$164,000	Hancock	46	3
SX21091009	Lewisport Slip Lining	11-20 Years	Not Funded	\$445,000	Hancock	47	4
SX21149035	Revlett Drive Sewer Line Repair	3-5 Years	Not Funded	\$551,500	McLean	48	12
SX21149024	Island Sewer Plant and Lift Station Generators Project	6-10 Years	Not Funded	\$112,000	McLean	49	13
SX21149016	Myer Creek Park Sewer Extension	6-10 Years	Not Funded	\$120,000	McLean	50	14
SX21149013	Island Wastewater Treatment Plant Improvements	6-10 Years	Not Funded	\$115,000	McLean	51	15
Total Cost:				\$85,472,335			



Gateway Area Development District (GWADD)

- 2010 census population of 81,652 (36,780 households) with 43% serviceable.
- Projected 2020 population of 85,828 (change of 4,176).
- 399.44 miles of existing sewer lines.
- 21.00 miles of line extensions proposed in the next 10 years.
- 14.00 miles of line rehabilitation proposed in the next 10 years.
- 7.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$39,548,540.
- Estimated funding needs for projects from 6 to 10 years: \$2,725,089.
- Average age of wastewater treatment plants is 29 years.
- Total number of interconnected systems is 0.
- 65 miles of sewer lines less than 15 years old.
- 235 miles of sewer lines between 15 and 30 years old.
- 67 miles of sewer lines between 31 and 50 years old.
- 34 miles of sewer lines between 51 and 70 years old.
- 4 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 85,828 (33,767 households). Public sewer is currently available to approximately 43 percent of the district's households based on 2010 census counts. Over the next ten years approximately 299 serviceable households will be added through the construction of 21.00 miles of sewer line extensions and approximately 52,493 instances of improved service through the rehabilitation of 14.00 miles of existing sewer lines and other appurtenances. 7.00 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	12,529	4,999	1,818	34%	\$ 4,885,000
Menifee	6,306	3,744	6,175	2,595	588	16%	\$ 8,516,290
Montgomery	26,499	11,699	29,421	11,824	6,339	54%	\$ 20,410,339
Morgan	13,923	5,830	12,824	4,739	899	15%	\$ 3,593,000
Rowan	23,333	10,102	24,879	9,610	6,006	60%	\$ 4,869,000
Totals	81,652	36,780	85,828	33,767	15,650	43%	\$ 42,273,629

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	11,965	5,517
KY0089567	City of West Liberty	Morgan	3,679	899
KY0052752	Morehead Utility Plant Board	Rowan	15,212	6,555
		Totals:	36,514	15,710



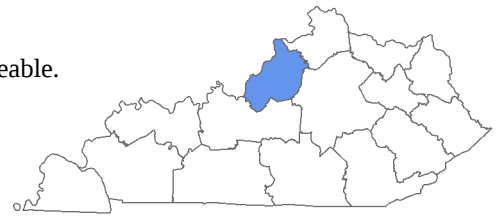
Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21165010	System Improvements Project	0-2 Years	Partially Funded	\$1,459,000	Menifee	1	1
SX21173075	Wastewater Capacity Upgrade Project	0-2 Years	Partially Funded	\$12,500,000	Montgomery	2	1
SX21165018	City of Frenchburg Wastewater Collection System Rehab	3-5 Years	Not Funded	\$1,952,040	Menifee	3	2
SX21205044	MUPB - Bluestone Wastewater Line Replacement Project	0-2 Years	Not Funded	\$1,442,500	Rowan	4	1
SX21173085	MCSD#2 Sewer Collection System Rehab Project	3-5 Years	Not Funded	\$2,500,000	Montgomery	5	2
SX21011020	City of Owingsville Sewer Extension to Remaining Unserved In City Limits	3-5 Years	Not Funded	\$200,000	Bath	6	1
SX21205043	MUPB-Main LS Improvement Project	0-2 Years	Not Funded	\$976,500	Rowan	7	2
SX21175022	City of West Liberty Equipment Upgrade and Replacement Project	3-5 Years	Not Funded	\$550,000	Morgan	8	1
SX21011024	City of Sharpsburg Package Treatment Plant Rehab Project	3-5 Years	Not Funded	\$1,000,000	Bath	9	2
SX21011002	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	\$700,000	Bath	10	3
SX21165020	City of Frenchburg Miscellaneous Sewer Extension Project	3-5 Years	Not Funded	\$455,000	Menifee	11	4
SX21173076	Wykagyl/South Queen Street Project	0-2 Years	Not Funded	\$218,000	Montgomery	12	3
SX21173086	MCSD#2 Phase II System Rehab Project	3-5 Years	Not Funded	\$2,500,000	Montgomery	13	4
SX21175023	Control Panel Replacement and Upgrade Project	3-5 Years	Not Funded	\$273,000	Morgan	14	2
SX21011018	Bath County Sanitation District Preston Sewer Project Phase II	6-10 Years	Not Funded	\$470,000	Bath	15	4
SX21175013	City of West Liberty Liberty Road Sewer Extension	11-20 Years	Not Funded	\$3,257,940	Morgan	16	3
SX21011015	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	\$225,000	Bath	17	5
SX21205035	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	\$200,000	Rowan	18	3
SX21011016	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	\$590,000	Bath	19	6
SX21205041	Morehead Utility Plant Board US 60 Sewer Line Rehab	6-10 Years	Not Funded	\$1,500,000	Rowan	20	4
SX21175010	City of West Liberty Sewer Line Replacement Project	3-5 Years	Not Funded	\$655,000	Morgan	21	4
SX21011022	Industrial Park WWTP Expansion	0-2 Years	Not Funded	\$2,700,000	Bath	22	7
Total Cost:				\$36,323,980			



Kentuckiana Regional Planning and Development Agency (KIPDA)

- 2010 census population of 959,091 (421,502 households) with 88% serviceable.
- Projected 2020 population of 1,036,344 (change of 77,253).
- 4,075.39 miles of existing sewer lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 29.00 miles of line rehabilitation proposed in the next 10 years.
- 41.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$767,947,075.
- Estimated funding needs for projects from 6 to 10 years: \$20,680,601.
- Average age of wastewater treatment plants is 35 years.
- Total number of interconnected systems is 1.
- 298 miles of sewer lines less than 15 years old.
- 1,263 miles of sewer lines between 15 and 30 years old.
- 964 miles of sewer lines between 31 and 50 years old.
- 930 miles of sewer lines between 51 and 70 years old.
- 605 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 1,036,344 (429,434 households). Public sewer is currently available to approximately 88 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,409 serviceable households will be added through the construction of 22.00 miles of sewer line extensions and approximately 4,291 instances of improved service through the rehabilitation of 29.00 miles of existing sewer lines and other appurtenances. 41.00 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	83,186	33,363	17,343	59%	\$ 29,343,464
Henry	15,416	6,640	15,617	6,285	2,362	36%	\$ 6,947,526
Jefferson	741,096	337,616	790,010	336,587	331,613	98%	\$ 655,256,080
Oldham	60,316	20,688	69,419	23,441	6,751	33%	\$ 45,823,668
Shelby	42,074	16,606	49,988	18,649	9,212	56%	\$ 45,932,938
Spencer	17,061	6,704	19,451	7,539	737	11%	\$ 1,650,000
Trimble	8,809	3,930	8,673	3,570	935	24%	\$ 3,674,000
Totals	959,091	421,502	1,036,344	429,434	368,953	88%	\$ 788,627,676

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	604
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	1,565
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	15,532	6,192
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	44,024	17,573
KY0078956	Louisville & Jefferson County MSD - Derek R Guthrie	Jefferson	208,512	88,554
KY0102784	Louisville & Jefferson County MSD - Floyds Fork	Jefferson	24,627	10,038
KY0022420	Louisville & Jefferson County MSD - Hite Creek	Jefferson	34,076	14,362
KY0022411	Louisville & Jefferson County MSD - Morris Forman	Jefferson	420,705	202,780
KY0020001	Lagrange Utilities Commission	Oldham	8,540	3,360
KY0024724	Oldham County Environmental Authority - Ash Avenue	Oldham	3,086	1,098
KY0078026	Oldham Woods Subdivision	Oldham	143	52
KY0090107	Paramont Estates Homeowners Association	Oldham	322	108
KY0020427	Shelbyville Municipal Water & Sewer Commission	Shelby	20,146	8,108
KY0065889	Simpsonville Wastewater	Shelby	2,645	1,057
KY0028142	Taylorsville Wastewater	Spencer	1,592	737
KY0069825	Bedford Wastewater	Trimble	957	418
KY0088625	Milton Wastewater	Trimble	1,055	517
		Totals:	820,095	368,589



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 Road Drainage & Sanitary Sewer Improvement Project	0-2 Years	Not Funded	\$10,535,229	Bullitt	1	1
SX21103017	Angel's Envy Sanitary Sewer Extension	0-2 Years	Not Funded	\$1,991,600	Henry	2	1
SX21111021	Large Diameter Sewer Rehabilitation	0-2 Years	Not Funded	\$53,000,000	Jefferson	3	1
SX21223013	Bedford Wastewater System Improvements Project	0-2 Years	Partially Funded	\$1,819,000	Trimble	4	1
SX21185051	OCEA Lift Station Rehab, Renovation, and Replacement	0-2 Years	Not Funded	\$2,944,345	Oldham	5	1
SX21211020	Shelbyville 36 Inch Gravity Sewer	0-2 Years	Not Funded	\$6,708,000	Shelby	6	1
SX21029039	Hunters Hollow Pump Station & Force Main Project	0-2 Years	Not Funded	\$2,127,600	Bullitt	7	2
SX21223012	City of Milton Sewer Cleaning, Televising and Repair Project	0-2 Years	Not Funded	\$1,010,000	Trimble	8	2
SX21103011	Pleasureville Wastewater Capacity Upgrade	3-5 Years	Not Funded	\$150,000	Henry	9	2
SX21211019	New Shelbyville Wastewater Treatment Plant	0-2 Years	Not Funded	\$33,875,675	Shelby	10	2
SX21111018	Meadowstream Pump Station Forcemain Connection	0-2 Years	Partially Funded	\$480,000	Jefferson	11	2
SX21185055	Mockingbird Valley WWTP Elimination	0-2 Years	Not Funded	\$3,120,000	Oldham	12	2
SX21029035	Snapp Street Improvements	0-2 Years	Not Funded	\$1,793,095	Bullitt	13	3
SX21111024	Paddy's Run Flood Pumping Station - Capacity Improvements	0-2 Years	Not Funded	\$76,933,100	Jefferson	14	3
SX21103014	I-71 Exit 34 Sewer Extension	0-2 Years	Not Funded	\$303,479	Henry	15	3
SX21185032	Kentucky State Reformatory - Rehab Phase I	0-2 Years	Not Funded	\$2,751,300	Oldham	16	3
SX21223010	Collection System Improvements & I/I Mitigation	0-2 Years	Not Funded	\$370,000	Trimble	17	3
SX21211008	Eminence Pike Gravity Sewers	3-5 Years	Not Funded	\$2,380,000	Shelby	18	3
SX21111020	Floyd's Fork Interceptor	0-2 Years	Not Funded	\$49,594,800	Jefferson	19	4
SX21029036	Clearview Acres Sanitary Sewer Extension	0-2 Years	Not Funded	\$1,853,900	Bullitt	20	4
SX21029037	Northwest Sanitary Sewer System Extension	0-2 Years	Not Funded	\$700,000	Bullitt	21	5
SX21111023	Northern Ditch Pump Station Replacement and Odor Control	0-2 Years	Not Funded	\$19,170,000	Jefferson	22	5
SX21029038	West Oak Street Interceptor	0-2 Years	Not Funded	\$278,500	Bullitt	23	6
SX21111022	Lea Ann Way and Lake Forest Area Pump Station Eliminations	0-2 Years	Not Funded	\$12,850,000	Jefferson	24	6
SX21111019	Admiral Way and Fishpool Interceptor Capacity Assurance	0-2 Years	Not Funded	\$10,496,080	Jefferson	25	7
SX21215003	Spencer County Wastewater Facilities Plan	3-5 Years	Over Funded	\$45,000	Spencer	26	1
SX21111006	Upper Middle Fork Pump Station Improvements and Diversion	0-2 Years	Not Funded	\$67,720,000	Jefferson	27	8
SX21029002	Shepherdsville Sewer Rehab	3-5 Years	Not Funded	\$3,000,000	Bullitt	28	7
SX21185049	Ashbrooke Subdivision At Confederate Place Drive	3-5 Years	Not Funded	\$633,334	Oldham	29	4
SX21103016	Lagrange - Pendleton Road, Exit 28 Sewer Expansion	3-5 Years	Not Funded	\$2,685,000	Henry	30	4
SX21211009	US 60 East Gravity Sewers	3-5 Years	Not Funded	\$2,500,000	Shelby	31	4
SX21223008	Pump Station Rehabilitation	3-5 Years	Not Funded	\$125,000	Trimble	32	4
SX21111015	Rosa Terrace, Sanders, Wathen and Sonne Pump Station Project	0-2 Years	Not Funded	\$8,270,000	Jefferson	33	9
SX21029021	Overdale Drive Sanitary Sewer Extension	6-10 Years	Not Funded	\$950,000	Bullitt	34	8
SX21185021	Goshen Area Sewer Expansion	11-20 Years	Not Funded	\$6,850,478	Oldham	35	5

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21215004	KY Highway 155 Sanitary Sewer Force Main	3-5 Years	Not Funded	\$1,650,000	Spencer	36	2
SX21223011	City of Milton - I/I Mitigation	3-5 Years	Not Funded	\$350,000	Trimble	37	5
SX21211017	Shelby County Cooperative Extension Office	0-2 Years	Not Funded	\$469,263	Shelby	38	5
SX21111007	Nightingale I & I Elimination Project	0-2 Years	Partially Funded	\$4,445,000	Jefferson	39	10
SX21029018	Mt Washington Sewer Interceptor Line	3-5 Years	Not Funded	\$606,500	Bullitt	40	9
SX21185040	Country Village WWTP Decommissioning	6-10 Years	Not Funded	\$750,000	Oldham	41	6
SX21223005	Surge Tank, Collection System & WWTP Infrastructure Planning and Design	3-5 Years	Fully Funded	\$75,000	Trimble	42	6
SX21185039	Meadow Stream Pump Station and Force Main Expansion	3-5 Years	Partially Funded	\$3,691,500	Oldham	43	7
SX21029014	Bullitt Hills Subdivision and Hillview Wastewater Treatment System	0-2 Years	Partially Funded	\$1,119,000	Bullitt	44	10
SX21111001	Middletown Recapture	3-5 Years	Not Funded	\$1,900,000	Jefferson	45	11
SX21185002	Crystal Lake Gravity System	3-5 Years	Not Funded	\$3,200,000	Oldham	47	8
SX21029003	Cedar Grove Industrial Pump Station Elimination Project	6-10 Years	Not Funded	\$2,000,000	Bullitt	48	11
SX21111009	Yorktown and Pond Creek I & I Project	0-2 Years	Not Funded	\$212,000	Jefferson	49	12
SX21185009	Zale Smith Extensions	3-5 Years	Not Funded	\$343,600	Oldham	50	9
SX21029015	Pioneer Village Wastewater Treatment Plant Expansion	3-5 Years	Partially Funded	\$3,000,000	Bullitt	51	12
SX21185020	Paramont WWTP Decommissioning	11-20 Years	Not Funded	\$1,949,350	Oldham	52	10
SX21111101	Hite Creek Water Quality Treatment Center	0-2 Years	Partially Funded	\$27,829,000	Jefferson	53	13
SX21185024	Crestwood Area Wastewater Expansion	3-5 Years	Not Funded	\$6,285,960	Oldham	54	11
SX21029013	Hwy 434 From Sweats Home to River Bridge	3-5 Years	Not Funded	\$265,820	Bullitt	55	13
SX21111008	Biosolids Processing Solution	0-2 Years	Not Funded	\$180,500,000	Jefferson	56	14
SX21185057	Covered Bridge Road Liftstation Wetwell Improvement	3-5 Years	Not Funded	\$150,000	Oldham	57	12
SX21029010	Hwy 61 From Elementary School to Massey Road Area	3-5 Years	Not Funded	\$516,400	Bullitt	58	14
SX21185012	Dawkins Road Extension	3-5 Years	Not Funded	\$45,000	Oldham	59	13
SX21111123	Park Hill Green Infrastructure Focus Area	3-5 Years	Not Funded	\$4,400,000	Jefferson	60	15
SX21029033	Bullitt County Sanitation District Energy Reduction Project	0-2 Years	Not Funded	\$60,000	Bullitt	61	15
SX21185059	Pump Stations and Interceptor Sewer Upgrade	0-2 Years	Fully Funded	\$3,121,200	Oldham	62	14
SX21111125	South Central West Green Infrastructure Focus Area	3-5 Years	Not Funded	\$3,000,000	Jefferson	63	16
SX21029011	S. Sanders Lane to Old Boston Road Picks Up Maraman Road	3-5 Years	Not Funded	\$571,420	Bullitt	64	16
SX21185008	FT. Pickens/Quail Run Extension	3-5 Years	Not Funded	\$475,200	Oldham	65	15
SX21111005	Nightingale PS & CSO Storage Basin	0-2 Years	Not Funded	\$22,566,500	Jefferson	66	17
SX21029012	W. Airport Road Thru Denice Road Tie Into Main Street and Pick Up Newton Road	3-5 Years	Not Funded	\$572,500	Bullitt	67	17
SX21185044	Ohio River WWTP Expansion	11-20 Years	Not Funded	\$10,000,000	Oldham	68	16
SX21111004	Mudd Creek Interceptor	0-2 Years	Not Funded	\$2,025,251	Jefferson	69	18
SX21185043	Lockwood WWTP Decommissioning	3-5 Years	Not Funded	\$352,000	Oldham	70	17



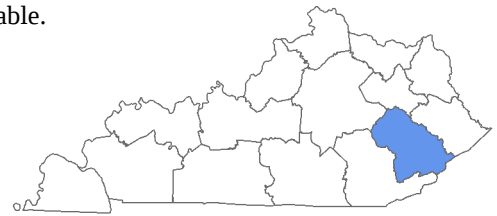
Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21185042	Lockwood Sewer Collection System Expansion	6-10 Years	Not Funded	\$4,800,000	Oldham	71	18
SX21111102	Prospect WTP Eliminations	3-5 Years	Not Funded	\$16,124,000	Jefferson	72	19
SX21185018	Lakewood Valley Decommissioning and Septic Tank Removal	6-10 Years	Not Funded	\$10,680,601	Oldham	73	20
SX21111103	Prospect Pump Station Eliminations	3-5 Years	Not Funded	\$301,000	Jefferson	74	20
SX21185033	Kentucky State Reformatory - Rehab Phase II	3-5 Years	Not Funded	\$1,500,000	Oldham	75	21
SX21111119	Green Infrastructure Flood Control Basins Retrofit for Water Qua	3-5 Years	Not Funded	\$2,400,000	Jefferson	76	21
SX21185047	KY 362 Culvert	3-5 Years	Not Funded	\$410,000	Oldham	77	22
SX21111115	Jeffersontown Water Quality Treatment Center Elimination Project	3-5 Years	Not Funded	\$27,000,000	Jefferson	78	22
SX21185046	KY 362 North	3-5 Years	Not Funded	\$477,778	Oldham	79	23
SX21111003	Logan St. CSO Basin and Interceptor	0-2 Years	Not Funded	\$45,000,000	Jefferson	80	23
SX21185048	KY 362 South	3-5 Years	Not Funded	\$2,389,550	Oldham	81	24
SX21111106	River Road Interceptor Project	0-2 Years	Not Funded	\$5,292,400	Jefferson	82	24
SX21185034	Kentucky State Reformatory - Rehab Phase III	11-20 Years	Not Funded	\$2,500,000	Oldham	83	25
SX21111117	Southwest Greenway & Parkway Green Infrastructure Focus Area	3-5 Years	Not Funded	\$3,600,000	Jefferson	84	25
SX21185035	Kentucky State Reformatory - Rehab Phase IV	6-10 Years	Not Funded	\$1,500,000	Oldham	85	26
SX21111120	Maple Street Green Infrastructure Focus Area	3-5 Years	Not Funded	\$2,200,000	Jefferson	86	26
SX21185053	Orchard Grass Regional WWTP Phase 3	3-5 Years	Over Funded	\$6,675,000	Oldham	87	27
SX21111122	Northwest Green Infrastructure Focus Area	0-2 Years	Not Funded	\$2,400,000	Jefferson	88	27
SX21185041	Ksr – Phase 5	11-20 Years	Not Funded	\$12,500,000	Oldham	89	28
SX21111121	Northeast Green Infrastructure Focus Area	0-2 Years	Not Funded	\$4,400,000	Jefferson	90	28
SX21185054	Orchard Grass Regional WWTP Phase 4	11-20 Years	Not Funded	\$7,580,000	Oldham	91	29
SX21111118	Central Business District Green Infra Focus Area – Phase II	3-5 Years	Not Funded	\$3,800,000	Jefferson	92	29
SX21111105	Transylvania Beach Sewer Installation	3-5 Years	Not Funded	\$1,010,000	Jefferson	93	30
SX21111111	Harrods Creek Interceptor (Phase I & II), Pump Station, and Force Main Project	0-2 Years	Not Funded	\$37,563,000	Jefferson	94	31
SX21111002	Bells Ln Wet Weather Treatment FacilityBells Ln Wet Weather Tre	0-2 Years	Not Funded	\$44,742,000	Jefferson	95	32
SX21111124	South Central East Green Infrastructure Focus Area	3-5 Years	Not Funded	\$3,600,000	Jefferson	96	33
Total Cost:				\$928,957,308			



Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 25% serviceable.
- Projected 2020 population of 104,801 (change of -9,961).
- 359.75 miles of existing sewer lines.
- 169.00 miles of line extensions proposed in the next 10 years.
- 24.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$101,466,551.
- Estimated funding needs for projects from 6 to 10 years: \$26,465,980.
- Average age of wastewater treatment plants is 28 years.
- Total number of interconnected systems is 1.
- 110 miles of sewer lines less than 15 years old.
- 88 miles of sewer lines between 15 and 30 years old.
- 104 miles of sewer lines between 31 and 50 years old.
- 40 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 104,801 (43,450 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 3,312 serviceable households will be added through the construction of 169.00 miles of sewer line extensions and approximately 18,778 instances of improved service through the rehabilitation of 24.00 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	12,817	5,328	1,482	24%	\$ 8,878,600
Knott	16,346	7,461	14,841	6,011	1,176	16%	\$ 16,464,523
Lee	7,887	3,436	6,433	2,774	1,078	31%	\$ 12,952,810
Leslie	11,310	5,278	10,144	4,197	861	16%	\$ 6,735,633
Letcher	24,519	11,601	22,207	9,435	3,484	30%	\$ 36,456,240
Owsley	4,755	2,328	4,300	1,800	429	18%	\$ 4,453,500
Perry	28,712	12,791	26,777	10,751	4,246	33%	\$ 38,301,225
Wolfe	7,355	3,660	7,282	3,154	604	17%	\$ 3,690,000
Totals	114,762	52,786	104,801	43,450	13,360	25%	\$ 127,932,531

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	96
KY0027685	Hindman Wastewater	Knott	1,381	656
KY0107956	Knott County Water and Sewer District (Ball Creek)	Knott	799	357
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	7,707	3,438
KYP000034	Perry County Sanitation District #1	Perry	1,234	575
KY0060259	Perry County Water & Sewer	Perry	431	195
KY0104728	Campton Wastewater Department	Wolfe	1,166	604
		Totals:	29,854	13,354



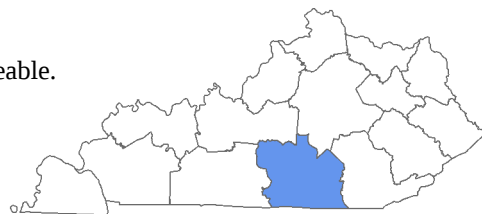
Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21025009	Jackson Sewer Rehabilitation Project	0-2 Years	Not Funded	\$1,017,000	Breathitt	1	1
SX21193025	Hazard Sanitary Trunk Replacement	3-5 Years	Not Funded	\$2,131,000	Perry	2	1
SX21237007	Hazel Green Wastewater Collection System Phase 1	3-5 Years	Not Funded	\$1,840,000	Wolfe	3	1
SX21193026	Hazard Downtown Redevelopment Sewer Project	3-5 Years	Not Funded	\$1,359,800	Perry	4	3
SX21129009	Sewer Lift Station Rehabilitation	3-5 Years	Not Funded	\$1,075,000	Lee	5	1
SX21133023	Whitesburg I&I Phase I	3-5 Years	Not Funded	\$1,500,000	Letcher	6	3
SX21131003	Hyden - Town Rehab Phase III	0-2 Years	Partially Funded	\$565,633	Leslie	7	2
SX21133020	Jenkins - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	\$1,550,000	Letcher	8	1
SX21131002	Hyden - Wastewater Expansion Phase II	3-5 Years	Partially Funded	\$700,000	Leslie	9	1
SX21119007	HWY 1087 Wastewater Line Extension	6-10 Years	Not Funded	\$3,937,260	Knott	10	1
SX21237006	Hazel Green Wastewater Collection System PH 2	3-5 Years	Not Funded	\$1,850,000	Wolfe	11	2
SX21025014	Jackson Sewer Rehabilitation Phase II	3-5 Years	Not Funded	\$1,500,000	Breathitt	12	3
SX21129005	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	\$2,000,000	Lee	13	3
SX21025011	Jackson Wastewater Plant Upgrade	3-5 Years	Not Funded	\$4,922,000	Breathitt	14	2
SX21133016	Fleming-Neon WWTP Upgrade	3-5 Years	Not Funded	\$4,936,000	Letcher	15	2
SX21129007	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	\$6,000,000	Lee	16	2
SX21119009	Ball Creek Possum Trot Phase III Wastewater Line Extension	6-10 Years	Not Funded	\$2,640,010	Knott	17	2
SX21193016	Upper Second Creek Sanitary Sewer	3-5 Years	Not Funded	\$6,968,460	Perry	18	2
SX21131004	Hyden - Sanitary Sewer Extensions Phase III	3-5 Years	Not Funded	\$1,270,000	Leslie	19	3
Total Cost:				\$47,762,163			



Lake Cumberland Area Development District (LCADD)

- 2010 census population of 207,256 (101,129 households) with 28% serviceable.
- Projected 2020 population of 209,833 (change of 2,577).
- 610.48 miles of existing sewer lines.
- 106.00 miles of line extensions proposed in the next 10 years.
- 19.00 miles of line rehabilitation proposed in the next 10 years.
- 31.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$91,066,570.
- Estimated funding needs for projects from 6 to 10 years: \$4,040,046.
- Average age of wastewater treatment plants is 29 years.
- Total number of interconnected systems is 3.
- 76 miles of sewer lines less than 15 years old.
- 147 miles of sewer lines between 15 and 30 years old.
- 214 miles of sewer lines between 31 and 50 years old.
- 41 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 209,833 (86,964 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 2,454 serviceable households will be added through the construction of 106.00 miles of sewer line extensions and approximately 2,329 instances of improved service through the rehabilitation of 19.00 miles of existing sewer lines and other appurtenances. 31.00 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	19,180	7,821	1,971	23%	\$ 9,839,120
Casey	15,955	7,487	15,521	6,456	1,056	14%	\$ 575,000
Clinton	10,272	5,311	10,220	4,423	1,338	25%	\$ 5,613,000
Cumberland	6,856	3,690	6,585	2,846	821	22%	-
Green	11,258	5,324	10,716	4,608	1,463	28%	\$ 350,000
McCreary	18,306	7,507	17,840	6,571	2,420	32%	\$ 15,173,930
Pulaski	63,063	31,443	65,677	27,371	7,506	24%	\$ 18,721,000
Russell	17,565	9,993	17,949	7,630	3,249	33%	\$ 4,009,466
Taylor	24,512	10,864	25,945	10,388	5,189	48%	\$ 20,883,100
Wayne	20,813	10,942	20,200	8,850	3,137	29%	\$ 19,942,000
Totals	207,256	101,129	209,833	86,964	28,150	28%	\$ 95,106,616

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	638	356
KY0094447	Science Hill Sewer	Pulaski	1,155	503
KY0026611	Somerset Utilities	Pulaski	12,942	6,251
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:	58,483	28,103



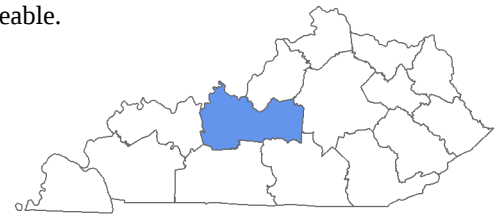
Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21199009	Pitman Creek WWTP Improvements and South US 27 Phase 2 Sewer Extensions	0-2 Years	Not Funded	\$5,357,000	Pulaski	1	1
SX21217014	Campbellsville SSO Elimination Project	0-2 Years	Not Funded	\$7,900,000	Taylor	2	1
SX21001019	Burkesville Street Lift Station Replacement and Sanitary Sewer Expansion	0-2 Years	Not Funded	\$1,663,920	Adair	3	1
SX21199004	City of Burnside - Sewer System Improvements	3-5 Years	Not Funded	\$916,000	Pulaski	4	1
SX21053007	Albany Phase 2 Wastewater Treatment Plant Expansion & Improvements	3-5 Years	Not Funded	\$4,032,000	Clinton	5	1
SX21053006	Albany Lift Station Renovation	3-5 Years	Not Funded	\$665,000	Clinton	6	2
SX21045005	Liberty – North US 127 Collector Sewer Project	0-2 Years	Not Funded	\$575,000	Casey	7	1
SX21147021	McCreary Wastewater Treatment Plant Expansion	0-2 Years	Not Funded	\$7,368,200	McCreary	8	1
Total Cost:				\$28,477,120			



Lincoln Trail Area Development District (LTADD)

- 2010 census population of 269,117 (116,687 households) with 41% serviceable.
- Projected 2020 population of 280,073 (change of 10,956).
- 981.31 miles of existing sewer lines.
- 38.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- 37.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$115,551,387.
- Estimated funding needs for projects from 6 to 10 years: \$258,970.
- Average age of wastewater treatment plants is 37 years.
- Total number of interconnected systems is 3.
- 99 miles of sewer lines less than 15 years old.
- 165 miles of sewer lines between 15 and 30 years old.
- 275 miles of sewer lines between 31 and 50 years old.
- 383 miles of sewer lines between 51 and 70 years old.
- 59 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 280,073 (112,188 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 648 serviceable households will be added through the construction of 38.00 miles of sewer line extensions and approximately 12,248 instances of improved service through the rehabilitation of 13.00 miles of existing sewer lines and other appurtenances. 37.00 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	19,973	8,157	1,629	15%	\$ 13,042,670
Grayson	25,746	13,561	26,433	10,478	3,376	25%	\$ 2,355,750
Hardin	105,543	43,261	112,494	44,237	25,746	60%	\$ 47,012,843
Larue	14,193	6,172	14,311	5,887	1,569	25%	\$ 6,426,465
Marion	19,820	8,182	19,640	7,984	3,290	40%	\$ 11,695,464
Meade	28,602	11,762	27,395	11,401	2,560	22%	\$ 9,579,500
Nelson	43,437	18,075	47,473	19,200	8,293	46%	\$ 7,323,000
Washington	11,717	5,044	12,354	4,844	1,311	26%	\$ 18,374,665
Totals	269,117	116,687	280,073	112,188	47,774	41%	\$ 115,810,357

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	937	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:	108,067	47,768

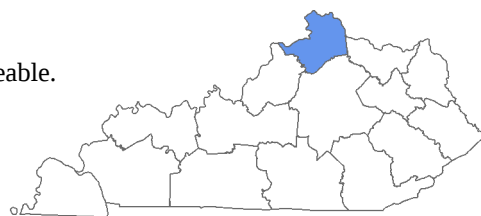


Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21163007	Brandenburg Wastewater Treatment Plant	3-5 Years	Not Funded	\$8,136,000	Meade	1	1
SX21155012	City of Lebanon WWTP Improvements	0-2 Years	Not Funded	\$5,982,264	Marion	2	1
SX21027005	Cloverport Wastewater Plant Improvements	3-5 Years	Not Funded	\$1,070,000	Breckinridge	3	1
SX21093025	West Point WWTP Renovation	3-5 Years	Not Funded	\$3,257,000	Hardin	4	1
SX21123007	Hodgenville WWTP Upgrade & Wet Weather Storage	0-2 Years	Partially Funded	\$3,570,000	Larue	5	1
SX21179013	New Haven - WWTP Improvements Projects	3-5 Years	Not Funded	\$1,136,000	Nelson	6	1
SX21093031	Airview Estates Sewer	0-2 Years	Not Funded	\$1,656,500	Hardin	7	4
SX21085008	Leitchfield Fountain View Sewer Extensions Phase II	3-5 Years	Not Funded	\$535,000	Grayson	8	1
SX21229002	Springfield Sewer Collection System Rehab	6-10 Years	Not Funded	\$1,041,600	Washington	9	1
SX21027013	Hardinsburg Sewer System Rehabilitation Phase 2	0-2 Years	Not Funded	\$825,230	Breckinridge	10	2
SX21027010	Irvington Sanitary Sewer Improvements	3-5 Years	Not Funded	\$3,000,000	Breckinridge	11	4
SX21093011	HCWD #1 Racliff Standby Generator Project	0-2 Years	Not Funded	\$1,597,200	Hardin	12	2
SX21155009	Lebanon Wastewater System Rehabilitation and Improvements	0-2 Years	Not Funded	\$995,000	Marion	13	2
SX21229004	Springfield, Jim Town Project	3-5 Years	Not Funded	\$1,000,000	Washington	15	2
SX21027015	Cloverport Trailer Park Sewer Rehab	0-2 Years	Not Funded	\$146,040	Breckinridge	16	5
SX21179025	New Haven Outfall to Rolling Fork	3-5 Years	Not Funded	\$240,000	Nelson	17	5
SX21027020	Irvington Manhole Rehabilitation Project	0-2 Years	Not Funded	\$132,350	Breckinridge	18	3
SX21093034	Vine Grove Sewer Treatment Improvements II	3-5 Years	Not Funded	\$3,673,000	Hardin	19	3
SX21155005	Crossroads Industrial Park Sewer Extension	3-5 Years	Not Funded	\$390,000	Marion	20	3
SX21085012	Leitchfield Bypass Development Lift Station and Collection	0-2 Years	Not Funded	\$482,500	Grayson	21	2
SX21093021	West Point Lift Station Upgrad	3-5 Years	Not Funded	\$343,350	Hardin	22	5
SX21179031	Withrow Creek Upgrade	0-2 Years	Not Funded	\$4,000,000	Nelson	23	3
SX21229005	Willisburg Wastewater Project	3-5 Years	Not Funded	\$3,400,000	Washington	24	3
SX21155001	Lebanon Wastewater System Improvements	3-5 Years	Not Funded	\$293,000	Marion	25	4
SX21179018	Nelson County Industrial Park Wastewater Project	3-5 Years	Not Funded	\$300,000	Nelson	26	2
SX21179012	Bardstown Plum Run Road Extension	3-5 Years	Not Funded	\$600,000	Nelson	27	4
SX21027022	Hardinsburg WWTP Improvements II	0-2 Years	Not Funded	\$2,335,000	Breckinridge	28	6
SX21093035	Elizabethtown: Leitchfield Rd Sewer Line Upgrades	0-2 Years	Not Funded	\$12,387,200	Hardin	29	6
Total Cost:				\$62,524,234			

Northern Kentucky Area Development District (NKADD)

- 2010 census population of 438,647 (185,049 households) with 74% serviceable.
- Projected 2020 population of 470,233 (change of 31,586).
- 1,950.67 miles of existing sewer lines.
- 41.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- 23.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$86,681,372.
- There are no projects planned from 6 to 10 years.
- Average age of wastewater treatment plants is 27 years.
- Total number of interconnected systems is 2.
- 81 miles of sewer lines less than 15 years old.
- 439 miles of sewer lines between 15 and 30 years old.
- 698 miles of sewer lines between 31 and 50 years old.
- 476 miles of sewer lines between 51 and 70 years old.
- 262 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 470,233 (186,841 households). Public sewer is currently available to approximately 74 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,507 serviceable households will be added through the construction of 41.00 miles of sewer line extensions and approximately 8,071 instances of improved service through the rehabilitation of 15.00 miles of existing sewer lines and other appurtenances. 23.00 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	139,018	52,880	27,518	60%	\$ 6,092,030
Campbell	90,336	39,523	92,898	38,574	34,624	88%	\$ 19,000,000
Carroll	10,811	4,696	10,766	4,109	3,038	65%	\$ 17,767,731
Gallatin	8,589	3,786	8,857	3,420	1,234	33%	\$ 7,413,673
Grant	24,662	9,942	24,793	9,084	4,227	43%	\$ 11,574,258
Kenton	159,720	68,975	169,386	68,753	64,294	93%	\$ 8,087,456
Owen	10,841	5,634	10,464	4,382	938	17%	\$ 2,479,201
Pendleton	14,877	6,339	14,051	5,639	1,575	25%	\$ 14,267,023
Totals	438,647	185,049	470,233	186,841	137,448	74%	\$ 86,681,372

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
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
KY0034487	Campbell County MHP	Campbell	47	22
KY0105325	Darlington Creek Hoa Subd	Campbell	51	23
KY0105031	SD1 - Eastern Regional STP	Campbell	11,899	4,495
KY0092843	Yung Farm Estates Subdivision	Campbell	49	20
KY0104931	Carrollton Utilities	Carroll	8,589	3,848
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	5,248	1,981
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:	326,853	137,754

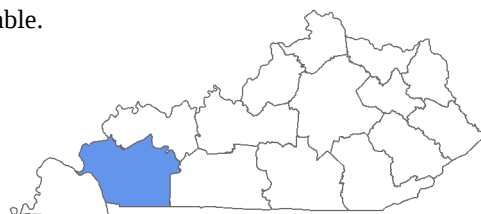


Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21041006	Industrial Customer Expansion - Treatment Plant Expansion & Enhancement(ICE-TEE)	0-2 Years	Not Funded	\$8,283,240	Carroll	1	1
SX21081004	Country Living MHP Connection	0-2 Years	Not Funded	\$261,500	Grant	2	1
SX21077003	Wastewater Treatment Plant Improvements 2020	0-2 Years	Not Funded	\$651,000	Gallatin	3	1
SX21191012	East Pendleton Water District Pump Station Elimination Project	0-2 Years	Not Funded	\$526,975	Pendleton	4	1
SX21081301	Williamstown Collection System Expansion	3-5 Years	Not Funded	\$6,144,800	Grant	5	2
SX21191010	Falmouth Sanitary Sewer Rehab, Phase II	0-2 Years	Not Funded	\$1,473,000	Pendleton	6	2
SX21081003	500,000 Gallon Equalization Basin	0-2 Years	Not Funded	\$908,988	Grant	7	3
SX21191011	Falmouth Sanitary Sewer Rehab, Phase III	0-2 Years	Not Funded	\$1,872,300	Pendleton	8	3
Total Cost:				\$20,121,803			

Pennyriple Area Development District (PEADD)

- 2010 census population of 219,305 (97,910 households) with 52% serviceable.
- Projected 2020 population of 216,553 (change of -2,752).
- 1,052.53 miles of existing sewer lines.
- 31.00 miles of line extensions proposed in the next 10 years.
- 34.00 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: \$176,185,067.
- Estimated funding needs for projects from 6 to 10 years: \$5,653,700.
- Average age of wastewater treatment plants is 40 years.
- Total number of interconnected systems is 7.
- 73 miles of sewer lines less than 15 years old.
- 196 miles of sewer lines between 15 and 30 years old.
- 132 miles of sewer lines between 31 and 50 years old.
- 249 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 216,553 (84,708 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 2,776 serviceable households will be added through the construction of 31.00 miles of sewer line extensions and approximately 32,834 instances of improved service through the rehabilitation of 34.00 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	12,633	5,237	3,291	52%	\$ 8,710,586
Christian	73,955	29,459	74,027	26,666	19,469	66%	\$ 81,943,411
Crittenden	9,315	4,569	9,103	3,720	1,568	34%	\$ 14,213,790
Hopkins	46,920	21,180	45,565	18,902	13,809	65%	\$ 19,045,501
Livingston	9,519	4,824	9,131	3,909	2,038	42%	\$ 8,083,250
Lyon	8,314	4,791	8,476	3,420	1,627	34%	\$ 5,409,311
Muhlenberg	31,499	13,699	30,582	11,913	5,337	39%	\$ 27,293,618
Todd	12,460	5,286	12,641	4,817	1,804	34%	\$ 17,139,300
Trigg	14,339	7,810	14,395	6,124	1,494	19%	-
Totals	219,305	97,910	216,553	84,708	50,437	52%	\$ 181,838,767

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	1,003	398
KY0098043	Madisonville Municipal Utilities	Hopkins	21,405	9,938
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	2,146	899
KY0020419	Kuttawa Water Department	Lyon	908	611
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	391	188
KY0026891	Cadiz Water & Sewer Commission	Trigg	3,100	1,473
		Totals:	109,804	50,414



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	Fully Funded	\$2,408,000	Hopkins	2	1
SX21139014	Smithland Lagoon Rehabilitation Project	0-2 Years	Not Funded	\$303,000	Livingston	3	1
SX21143011	Wastewater SSES and Rehabilitation - South of Fairview Ave	3-5 Years	Over Funded	\$2,745,064	Lyon	4	1
SX21107022	Madisonville - Noel Avenue Interceptor Project	0-2 Years	Not Funded	\$11,083,968	Hopkins	5	2
SX21033010	Princeton - WWTP Improvements-Grit Chamber and Sludge Holding Tank	0-2 Years	Not Funded	\$1,430,000	Caldwell	6	1
SX21219011	Trenton - Wastewater Treatment Plant Improvements Project	0-2 Years	Not Funded	\$1,060,000	Todd	7	1
SX21177027	Drakesboro - Simmons St. Sewer Rehab Project	3-5 Years	Not Funded	\$335,000	Muhlenberg	8	1
SX21047011	HWEA - Oak Grove Wastewater Treatment Plant Expansion - Construction	3-5 Years	Not Funded	\$3,500,000	Christian	9	1
SX21221002	Cadiz Sewer Main Replacement	3-5 Years	Partially Funded	\$900,000	Trigg	10	1
SX21139007	Ledbetter - Sewer Debt Reduction Project	3-5 Years	Over Funded	\$2,000,000	Livingston	11	2
SX21033011	Princeton Sanitary Sewer Basins 1-9 SSES and Rehabilitation	0-2 Years	Not Funded	\$2,905,000	Caldwell	12	2
SX21219009	Guthrie - WWTP Expansion	3-5 Years	Not Funded	\$12,735,000	Todd	13	2
SX21107030	Earlington - Hwy 336 & Flat Creek Rd Sewer Line Extension	0-2 Years	Not Funded	\$295,510	Hopkins	14	3
SX21143018	Kuttawa - Phase V SSES and Rehabilitation Project	0-2 Years	Not Funded	\$1,264,400	Lyon	15	2
SX21033006	Fredonia - Lift Station Improvements	3-5 Years	Not Funded	\$369,736	Caldwell	16	3
SX21047031	HWEA Phase IX Sewer Rehabilitation Priority 3 & 3A	0-2 Years	Not Funded	\$7,044,050	Christian	17	2
SX21139016	Ledbetter - Sewer Rehabilitation & Lift Station Improvements	0-2 Years	Not Funded	\$1,482,000	Livingston	18	3
SX21107033	Nortonville - New Sewer Pumps Project	0-2 Years	Not Funded	\$200,000	Hopkins	19	4
SX21139020	Grand Rivers - Eagle View Subdivision Sewer Extension	0-2 Years	Not Funded	\$210,200	Livingston	20	4
SX21143017	Lyon County - Iron Hill Sewer Sanitary Sewer Expansion	0-2 Years	Not Funded	\$483,875	Lyon	21	3
SX21219007	Trenton - Sewer System Improvements	0-2 Years	Partially Funded	\$535,000	Todd	22	3
SX21139010	Smithland Sewer Rehabilitation	0-2 Years	Not Funded	\$1,732,000	Livingston	23	5
SX21107029	Hanson - Carhart Industrial Park Sewer Improvements	0-2 Years	Not Funded	\$105,000	Hopkins	24	5
SX21033009	Princeton-Wastewater Treatment Plant Phosphorus Upgrade	3-5 Years	Not Funded	\$2,555,850	Caldwell	25	4
SX21107028	Mortons Gap - Lift Station Improvements	0-2 Years	Not Funded	\$210,000	Hopkins	26	6
SX21139011	Grand Rivers - Wastewater System Rehabilitation	0-2 Years	Not Funded	\$1,000,000	Livingston	27	6
SX21139009	Grand Rivers - Sewer Line Extension	3-5 Years	Not Funded	\$1,450,000	Livingston	28	7
SX21107009	Madisonville South Main Sewer Interceptor Phase 2	3-5 Years	Not Funded	\$1,443,200	Hopkins	29	7
SX21047029	HWEA- Rockbridge Interceptor	0-2 Years	Not Funded	\$12,624,576	Christian	30	3
SX21177028	Powderly - Lift Station Rehabilitation Project	0-2 Years	Not Funded	\$40,000	Muhlenberg	31	2
SX21107031	Madisonville - Brown Rd Sewer Rehab	3-5 Years	Not Funded	\$850,000	Hopkins	32	8
SX21047032	HWEA - Oak Grove-Good Hope Cemetery Road-Derby Park-Patton Place SME	0-2 Years	Not Funded	\$4,150,133	Christian	33	4
SX21107010	Madisonville South Main Sewer Interceptor Phase 3	6-10 Years	Not Funded	\$1,742,700	Hopkins	34	9

Project Rankings For Pennyriple Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21139015	Grand Rivers - Sewer Line Replacement Project	0-2 Years	Not Funded	\$47,250	Livingston	35	8
SX21219010	Guthrie - WWTP Debt Reduction	3-5 Years	Not Funded	\$487,000	Todd	36	4
SX21033007	Princeton Sewer Rehabilitation Phase II Basins 7 & 8	3-5 Years	Partially Funded	\$1,450,000	Caldwell	37	5
SX21219013	Todd County Fiscal Court - Lake Malone Sewer Study	3-5 Years	Not Funded	\$100,000	Todd	38	5
SX21143016	Eddyville - Sewer Lagoon Dredge	0-2 Years	Not Funded	\$1,350,000	Lyon	39	4
Total Cost:				\$98,033,302			

Purchase Area Development District (PUADD)

- 2010 census population of 196,393 (93,709 households) with 49% serviceable.
- Projected 2020 population of 196,653 (change of 260).
- 942.43 miles of existing sewer lines.
- 127.00 miles of line extensions proposed in the next 10 years.
- 115.00 miles of line rehabilitation proposed in the next 10 years.
- 30.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$186,777,725.
- Estimated funding needs for projects from 6 to 10 years: \$15,621,690.
- Average age of wastewater treatment plants is 36 years.
- Total number of interconnected systems is 2.
- 62 miles of sewer lines less than 15 years old.
- 77 miles of sewer lines between 15 and 30 years old.
- 37 miles of sewer lines between 31 and 50 years old.
- 401 miles of sewer lines between 51 and 70 years old.
- 364 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 196,653 (83,392 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 21,207 serviceable households will be added through the construction of 127.00 miles of sewer line extensions and approximately 20,974 instances of improved service through the rehabilitation of 115.00 miles of existing sewer lines and other appurtenances. 30.00 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	8,164	3,428	1,576	41%	\$ 15,278,772
Calloway	37,191	18,065	39,328	16,483	9,212	51%	\$ 4,141,000
Carlisle	5,104	2,441	4,737	1,967	604	25%	\$ 9,787,095
Fulton	6,813	3,372	5,726	2,363	2,384	71%	\$ 7,869,080
Graves	37,121	16,777	37,883	15,448	5,880	35%	\$ 32,766,394
Hickman	4,902	2,342	4,349	1,887	666	28%	-
McCracken	65,565	31,079	65,317	28,619	21,647	70%	\$ 26,642,841
Marshall	31,448	15,748	31,149	13,197	3,861	25%	\$ 105,914,233
Totals	196,393	93,709	196,653	83,392	45,830	49%	\$ 202,399,415

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	17,325
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	45,807



Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
SX21157034	Hardin - Wastewater Rehabilitation Phase III	3-5 Years	Not Funded	\$1,051,000	Marshall	1	1
SX21145035	Triple Rail Mega Park Sanitary Sewer Extension	0-2 Years	Not Funded	\$2,121,000	McCracken	2	1
SX21157039	WWTP INFLUENT LIFT STATION AND PLANT IMPROVEMENTS	0-2 Years	Fully Funded	\$2,908,500	Marshall	3	2
SX21007007	City of LaCenter-I&I Reduction	3-5 Years	Not Funded	\$2,107,875	Ballard	4	1
SX21145020	Sludge Press Building	3-5 Years	Not Funded	\$5,014,000	McCracken	5	2
SX21035026	North End Expansion	0-2 Years	Not Funded	\$486,000	Calloway	6	1
SX21007020	Ballard County International Fisheries Industrial Park Sewerline Extension	0-2 Years	Partially Funded	\$152,515	Ballard	7	2
SX21035023	South 641 - System Rehab Phase II	11-20 Years	Not Funded	\$823,700	Calloway	8	2
SX21157041	WWTP Wet Weather Flow Abatement	0-2 Years	Not Funded	\$2,560,000	Marshall	9	3
SX21083007	Graves County-KY 80 North, Fancy Farm	3-5 Years	Not Funded	\$2,100,800	Graves	10	1
SX21007001	City of Barlow- Collection System Rehab	3-5 Years	Not Funded	\$1,125,000	Ballard	11	3
SX21007012	City of Wickliffe Sewer Rehabilitation Project Phase I	3-5 Years	Partially Funded	\$1,589,920	Ballard	12	4
SX21007008	City of Wickliffe- Sewer Rehabilitation Phase II	3-5 Years	Not Funded	\$2,127,942	Ballard	13	5
SX21007005	City of Kevil-WWTP Expansion	3-5 Years	Not Funded	\$525,000	Ballard	14	6
SX21007010	City of Wickliffe- Lagoon Levee Repair	3-5 Years	Not Funded	\$200,000	Ballard	15	7
SX21007018	Wickliffe Lift Station Upgrade	3-5 Years	Not Funded	\$700,000	Ballard	16	8
SX21007009	City of Wickliffe- Sewer Rehabilitation Phase III	6-10 Years	Not Funded	\$1,953,720	Ballard	17	9
Total Cost:				\$27,546,972			



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