

Kentucky

- 2010 census population of 4,339,367 (1,927,164 households) with 96% serviceable.
- Projected 2020 population of 4,672,754 (change of 333,387).
- 63,913 miles of existing water lines.
- 13 new water treatment plants proposed in the next 10 years.
- 2,107 miles of line extensions proposed in the next 10 years.
- 1,438 miles of line rehabilitation proposed in the next 10 years.
- 357 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,895,972,057.
- Estimated funding needs for projects from 6 to 10 years: \$192,327,109.
- Average age of structures: water treatment plants is 40 years; water tanks is 29 years.
- Total number of interconnected systems is 436.
- 3,036 miles of asbestos concrete pipe currently in use.
- 8,611 miles of water lines less than 15 years old.
- 18,464 miles of water lines between 15 and 30 years old.
- 17,321 miles of water lines between 31 and 50 years old.
- 9,630 miles of water lines between 51 and 70 years old.
- 3,247 miles of water lines greater than 70 years old.



Area Development District Demographic and Asset Condition Summary

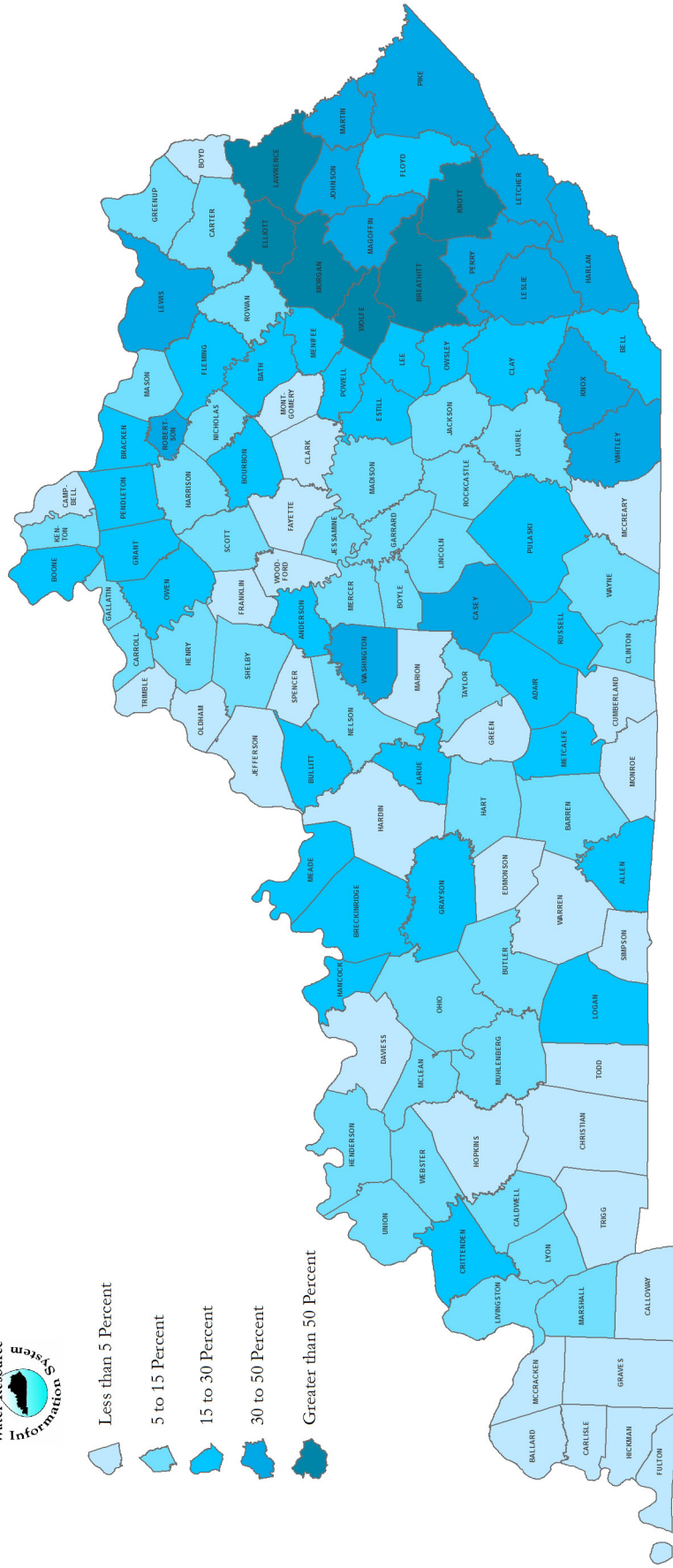
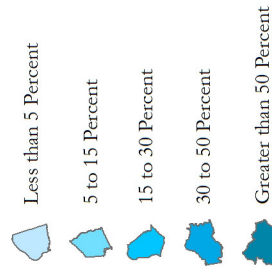
Area Development District	2010 Population	2020 Population	Serviceable Population	Percent Serviceable	Planned Cost 0 to 10 Years			
Bluegrass Area Development District	770,404	862,521	742,436	97%	\$ 165,258,600			
Barren River Area Development District	284,195	316,297	275,618	97%	\$ 171,865,408			
Big Sandy Area Development District	154,093	148,051	136,613	89%	\$ 47,085,087			
Buffalo Trace Area Development District	56,478	58,306	55,496	98%	\$ 26,706,315			
Cumberland Valley Area Development District	236,618	237,501	230,165	97%	\$ 89,860,141			
Five County Area Development District	137,884	139,098	131,642	95%	\$ 93,296,990			
Green River Area Development District	213,472	220,544	206,516	97%	\$ 140,634,527			
Gateway Area Development District	81,652	87,651	79,703	97%	\$ 49,083,900			
Kentuckiana Regional Planning and Development Agency	959,091	1,058,343	941,582	98%	\$ 222,485,513			
Kentucky River Area Development District	114,762	111,267	103,025	90%	\$ 152,826,414			
Lake Cumberland Area Development District	207,256	221,481	196,688	95%	\$ 111,938,168			
Lincoln Trail Area Development District	269,117	295,040	258,100	96%	\$ 191,666,936			
Northern Kentucky Area Development District	438,647	488,377	425,856	97%	\$ 250,128,746			
Pennyrile Area Development District	219,305	226,580	201,224	96%	\$ 248,617,479			
Purchase Area Development District	196,393	201,697	155,049	79%	\$ 126,844,942			
Demographic Totals	4,339,367	4,672,754	4,139,713	96%	\$ 2,088,299,166			
Area Development District	Average WTP Age (yrs)	Intercon- nected Systems	AC Pipe (mi)	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	46	60	537	925	3,068	2,120	1,202	1,216
Barren River Area Development District	44	40	181	557	1,765	2,939	1,661	20
Big Sandy Area Development District	37	19	62	806	783	36	4	0
Buffalo Trace Area Development District	38	19	103	383	943	383	154	34
Cumberland Valley Area Development District	38	36	29	487	2,259	506	251	135
FIVCO	37	18	47	290	909	1,003	18	123
Green River Area Development District	38	30	185	436	1,291	1,743	385	245
Gateway Area Development District	40	30	27	464	852	687	137	14
Kentuckiana Regional Planning & Devlopment Agency	23	14	118	79	218	690	1,007	47
Kentucky River Area Development District	27	20	45	1,141	951	444	40	0
Lake Cumberland Area Development District	42	23	56	637	2,719	2,040	138	168
Lincoln Tral Area Development District	50	27	101	1,054	1,045	921	1,559	49
Northern Kentucky Area Development District	38	24	45	419	974	1,598	286	271
Pennyrile Area Development District	46	56	849	754	478	1,623	1,962	529
Purchase Area Development District	38	20	651	179	209	588	826	396
Asset Condition Averages and Totals:	40	436	3,036	8,611	18,464	17,321	9,630	3,247

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

Prepared By:
Kentucky Infrastructure Authority

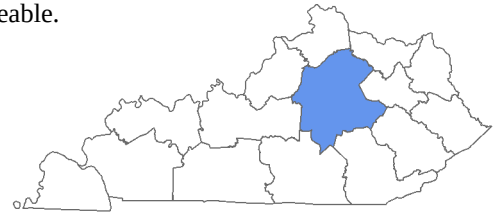
Kentucky Infrastructure Authority
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February, 2015



Bluegrass Area Development District (BGADD)

- 2010 census population of 770,404 (340,939 households) with 97% serviceable.
- Projected 2020 population of 862,521 (change of 92,117).
- 8,926.84 miles of existing water lines.
- 68.00 miles of line extensions proposed in the next 10 years.
- 85.00 miles of line rehabilitation proposed in the next 10 years.
- 27.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$147,945,280.
- Estimated funding needs for projects from 6 to 10 years: \$17,313,320.
- Average age of structures: water treatment plants is 46 years; water tanks is 32 years.
- Total number of interconnected systems is 60.
- 537 miles of asbestos concrete pipe currently in use.
- 925 miles of water lines less than 15 years old.
- 3,068 miles of water lines between 15 and 30 years old.
- 2,120 miles of water lines between 31 and 50 years old.
- 1,202 miles of water lines between 51 and 70 years old.
- 1,216 miles of water lines greater than 70 years old.



Bluegrass Area Development District has a 2010 census population count of 770,404 (340,939 households) with a projected 2020 population count of 862,521 (355,488 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 182 serviceable households will be added through the construction of 68.00 miles of water line extensions and approximately 92,892 instances of improved service through the rehabilitation of 85.00 miles of existing water lines and other appurtenances. 27.00 miles of transmission lines are also proposed within this district.

County Summary for Bluegrass Area Development District							
County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Anderson	21,421	9,127	23,555	9,582	9,106	100%	\$ 1,870,000
Bourbon	19,985	8,927	20,530	8,478	8,792	99%	\$ 2,784,000
Boyle	28,432	12,312	29,048	11,782	12,265	100%	\$ 18,126,427
Clark	35,613	15,706	37,985	15,800	15,487	99%	\$ 11,051,479
Estill	14,672	6,865	14,359	6,115	6,707	98%	\$ 3,906,383
Fayette	295,803	135,160	334,733	141,152	126,154	93%	\$ 3,103,960
Franklin	49,285	23,164	50,777	21,761	23,081	100%	\$ 32,518,000
Garrard	16,912	7,463	19,122	7,917	7,370	99%	\$ 690,460
Harrison	18,846	8,208	19,640	8,006	8,150	99%	\$ 2,054,000
Jessamine	48,586	19,331	58,928	22,184	19,288	100%	\$ 19,283,928
Lincoln	24,742	10,819	26,170	10,762	10,586	98%	\$ 13,955,281
Madison	82,916	35,043	95,333	38,093	34,882	100%	\$ 25,914,129
Mercer	21,331	9,941	21,810	9,299	9,901	100%	\$ 1,100,000
Nicholas	7,135	3,261	7,411	3,012	3,181	98%	\$ 13,500,000
Powell	12,613	5,598	12,319	4,860	5,521	99%	\$ 3,937,553
Scott	47,173	19,303	63,984	25,538	18,811	98%	-
Woodford	24,939	10,711	26,817	11,147	10,349	97%	\$ 11,463,000
Totals	770,404	340,939	862,521	355,488	329,631	97%	\$ 165,258,600

Community Drinking Water Systems in Bluegrass Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0030239	Lawrenceburg Water & Sewer Department	Anderson	14,749	6,323
KY0030660	South Anderson Water District	Anderson	6,358	2,660
KY0090287	Kentucky American Water - Millersburg	Bourbon	946	482
KY0090322	North Middletown Water Department	Bourbon	1,051	450
KY0090343	Paris Water Works	Bourbon	12,224	5,535
KY0110097	Danville City Water Works	Boyle	23,575	10,432
KY0110345	Parksville Water District	Boyle	3,974	1,717
KY0250981	East Clark County Water District	Clark	6,173	2,669
KY0250473	Winchester Municipal Utilities	Clark	25,165	11,123
KY0330123	Estill County Water District #1	Estill	9,374	4,254
KY0330205	Irvine Municipal Utilities	Estill	4,642	2,283
KY0340250	Kentucky-American Water Company	Fayette	299,454	137,584
KY0370137	Elkhorn Water District	Franklin	1,493	633
KY0370128	Farmdale Water District	Franklin	6,252	2,468
KY0370143	Frankfort Plant Board	Franklin	36,733	18,072
KY0370346	Peaks Mill Water District	Franklin	2,879	1,254
KY0400151	Garrard County Water Association	Garrard	13,109	5,668
KY0400233	Lancaster Water Works	Garrard	3,932	1,841
KY0490096	Cynthiana Municipal Water Works	Harrison	6,667	3,084
KY0490179	Harrison County Water Association	Harrison	13,824	5,828
KY0570214	Jessamine County Water District #1	Jessamine	4,139	1,666
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	7,602	2,954
KY0570315	Nicholasville Utilities	Jessamine	31,401	12,888
KY0570010	Wilmore Water Works	Jessamine	6,428	2,210
KY0690089	Crab Orchard Water Works	Lincoln	1,215	576
KY0690203	Hustonville Water Works	Lincoln	4,100	1,800
KY0690278	McKinney Water District	Lincoln	4,274	1,841
KY0690417	Stanford Water Commission	Lincoln	7,870	3,358
KY0760030	Berea Municipal Utilities	Madison	10,521	4,370
KY0760672	Kirksville Water Association	Madison	4,403	1,830
KY0760224	Madison County Utilities District	Madison	24,989	10,382
KY0760370	Richmond Water, Gas & Sewer	Madison	31,500	13,667
KY0760407	Southern Madison Water District	Madison	10,942	4,548
KY0840048	Burgin Water Department	Mercer	1,041	467
KY0840180	Harrodsburg Municipal Water Department	Mercer	8,284	3,970
KY0840587	Lake Village Water Association	Mercer	4,355	2,094
KY0840321	North Mercer Water District	Mercer	9,798	4,128
KY0910065	Carlisle Water Department	Nicholas	2,064	1,065
KY0910314	Nicholas County Water District	Nicholas	3,478	1,512
KY0990074	Clay City Water System	Powell	1,638	747
KY0990357	Powells Valley Water District	Powell	5,739	2,586
KY0990418	Stanton Water Commission	Powell	5,398	2,316
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	33,076	13,694
KY1200283	Midway Municipal Water Works	Woodford	1,733	757
KY1200310	Northeast Woodford County Water District	Woodford	2,292	988
KY1200411	South Woodford County Water District	Woodford	3,763	1,638



Community Drinking Water Systems in Bluegrass Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY1200439	Versailles Municipal Water	Woodford	14,351	6,102
		Totals:	738,968	328,514

Project Rankings For Bluegrass Area Development District

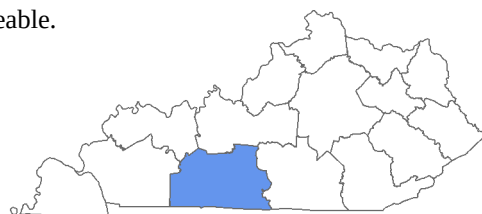
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21239035	Versailles - Water Treatment Plant Improvements - Generators	0-2 Years	Not Funded	\$3,375,500	Woodford	1	1
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	\$4,634,160	Jessamine	2	1
WX21151061	SMWD - Madison County Airport - Waterline Extension Project	0-2 Years	Not Funded	\$529,600	Madison	3	1
WX21017021	Paris Water Treatment Plant Improvements	0-2 Years	Not Funded	\$1,500,000	Bourbon	4	1
WX21065009	ECWD - Phase 11 - System Improvements / Unaccounted for Water Re	0-2 Years	Not Funded	\$1,080,000	Estill	5	1
WX21137017	McKinney WD - Phase 1 Water Improvements Project	0-2 Years	Partially Funded	\$1,718,115	Lincoln	6	1
WX21021010	Danville - Perryville Standpipe Replacement and Water Main	0-2 Years	Not Funded	\$4,918,257	Boyle	7	2
WX21073012	Frankfort Plant Board Water Storage Improvement Project	0-2 Years	Fully Funded	\$4,000,000	Franklin	8	5
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	\$1,750,000	Clark	9	4
WX21197017	CLAY CITY BUSINESS PARK WATER EXTENSION PROJECT	0-2 Years	Not Funded	\$107,055	Powell	10	3
WX21151040	Berea Utilities - Owsley Fork Reservoir (Red Lick Creek MPS No. 1) Rehabilitation	0-2 Years	Partially Funded	\$13,259,000	Madison	11	6
WX21065008	ECWD - Master Meter Relocation and River Crossing	0-2 Years	Not Funded	\$688,512	Estill	12	5
WX21065007	ECWD/Beattyville Emergency Regional Interconnect	0-2 Years	Not Funded	\$818,421	Estill	13	7
WX21079015	Lancaster - New Water Treatment Plant	0-2 Years	Over Funded	\$11,000,000	Garrard	14	8
WX21005007	South Main Street Water Line Replacement	0-2 Years	Not Funded	\$1,100,000	Anderson	15	2
WX21137047	Waynesburg Water Line Replacement (KY HWY 328)	0-2 Years	Not Funded	\$85,000	Lincoln	16	5
WX21079020	GCWA - Water Systems Improvements Project	0-2 Years	Not Funded	\$3,887,000	Garrard	17	7
WX21151022	Boonesboro 500,000 Gallon Elevated Tank Madison County Utilities District	3-5 Years	Not Funded	\$1,284,500	Madison	18	5
WX21065005	Water Plant Modernization	0-2 Years	Fully Funded	\$5,732,000	Estill	19	6
WX21113037	Wilmore Elevated Storage Tank Rehabilitation	0-2 Years	Not Funded	\$370,000	Jessamine	20	3
WX21065006	ECWD - Meter Purchase and Replacement Project	0-2 Years	Not Funded	\$1,319,450	Estill	21	2
WX21197008	Powells Valley Beechfork Pump Station Replacement Project	0-2 Years	Not Funded	\$213,200	Powell	22	4
WX21167017	Lake Village Water Association - Contract 14 Water Main West Zone Upgrades	0-2 Years	Not Funded	\$1,100,000	Mercer	23	1
WX21021030	Parksville Water District - KY 34 Pump Station Replacement Project	0-2 Years	Not Funded	\$1,415,000	Boyle	24	6
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	\$680,000	Madison	25	8
WX21097019	West End Water System Improvements	0-2 Years	Not Funded	\$1,157,000	Harrison	26	4
WX21137049	City of Crab Orchard - Deepwell Woods Road Water Line and J&V Water Line	0-2 Years	Not Funded	\$443,700	Lincoln	27	4
WX21239034	Versailles - Water Distribution System Improvements - Low Pressu	0-2 Years	Not Funded	\$1,314,500	Woodford	28	2
WX21021026	Danville - Corporate Drive Water Main Extension Project	0-2 Years	Not Funded	\$2,269,170	Boyle	29	3
WX21113033	Jessamine County Water District #1 Sussex Estates Water Line Upgrade	0-2 Years	Not Funded	\$475,000	Jessamine	30	4
WX21239023	Woodford County Germany, Shore Acres, Foraker, Watts Ferry & Hippe Agee Project	3-5 Years	Not Funded	\$1,254,000	Woodford	31	3
WX21239015	South Woodford Water District - Cummins Ferry Water Line Replace	0-2 Years	Not Funded	\$412,000	Woodford	32	4
WX21151052	Spring Lake Tank Painting	0-2 Years	Not Funded	\$136,000	Madison	33	7

Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21049041	ECWD - KY 89, Morris Road, and Patrick Lane Water System Upgrade	0-2 Years	Not Funded	\$1,839,000	Clark	34	2
WX21017012	City of Paris Creek Crossing Pipe Replacement Under Houston and Stoner Creeks.	0-2 Years	Not Funded	\$294,000	Bourbon	35	2
WX21113035	JCWD #1 - Vincewood and Carolyn Lane Water Line Upgrades	0-2 Years	Not Funded	\$1,451,790	Jessamine	36	2
WX21049040	Winchester - Lincoln Street Redevelopment Project - Water	0-2 Years	Not Funded	\$72,231	Clark	37	3
WX21017023	Paris to Kentucky American Water System Connection	0-2 Years	Not Funded	\$90,000	Bourbon	38	3
WX21239018	Frankfort Plant Board Buck Run Road Water Line Extension	0-2 Years	Not Funded	\$106,000	Woodford	39	6
WX21151056	Kirksville Water Association - Welchwood Master Meter Connection	0-2 Years	Not Funded	\$189,500	Madison	40	9
Total Cost:				\$78,068,661			

Barren River Area Development District (BRADD)

- 2010 census population of 284,195 (126,280 households) with 97% serviceable.
- Projected 2020 population of 316,297 (change of 32,102).
- 6,846.48 miles of existing water lines.
- 111.00 miles of line extensions proposed in the next 10 years.
- 93.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$157,752,208.
- Estimated funding needs for projects from 6 to 10 years: \$14,113,200.
- Average age of structures: water treatment plants is 44 years; water tanks is 30 years.
- Total number of interconnected systems is 40.
- 181 miles of asbestos concrete pipe currently in use.
- 557 miles of water lines less than 15 years old.
- 1,765 miles of water lines between 15 and 30 years old.
- 2,939 miles of water lines between 31 and 50 years old.
- 1,661 miles of water lines between 51 and 70 years old.
- 20 miles of water lines greater than 70 years old.



Barren River Area Development District has a 2010 census population count of 284,195 (126,280 households) with a projected 2020 population count of 316,297 (128,239 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 546 serviceable households will be added through the construction of 111.00 miles of water line extensions and approximately 144,235 instances of improved service through the rehabilitation of 93.00 miles of existing water lines and other appurtenances. 14.00 miles of transmission lines are also proposed within this district.

County Summary for Barren River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Allen	19,956	9,307	22,366	9,171	9,095	98%	\$ 6,500,300
Barren	42,173	19,188	46,361	19,245	19,113	100%	\$ 12,703,000
Butler	12,690	5,877	12,544	5,178	5,658	96%	\$ 8,911,075
Edmonson	12,161	6,467	12,628	5,283	6,380	99%	\$ 3,853,128
Hart	18,199	8,559	18,690	7,604	8,450	99%	\$ 20,126,513
Logan	26,835	12,339	27,382	11,301	12,212	99%	\$ 12,707,502
Metcalfe	10,099	4,681	10,329	4,306	4,542	97%	\$ 14,255,390
Monroe	10,963	5,204	10,405	4,423	5,126	99%	\$ 8,612,225
Simpson	17,327	7,435	18,342	7,429	7,188	97%	\$ 10,467,275
Warren	113,792	47,223	137,250	54,299	44,731	95%	\$ 73,729,000
Totals	284,195	126,280	316,297	128,239	122,495	97%	\$ 171,865,408

Community Drinking Water Systems in Barren River Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0020956	Allen County Water District	Allen	13,508	6,139
KY0020386	Scottsville Water Department	Allen	5,114	2,444
KY0050344	Caveland Environmental Authority	Barren	3,264	1,587
KY0050929	Glasgow Water Company	Barren	36,782	16,727
KY0160052	Butler County Water System	Butler	10,662	4,913
KY0160294	Morgantown Utilities	Butler	2,218	1,022
KY0310706	Brownsville Municipal Water System	Edmonson	692	350
KY0310114	Edmonson County Water District	Edmonson	17,593	10,364
KY0500032	Bonnieville Water District	Hart	443	246
KY0500166	Green River Valley Water District	Hart	16,310	7,282
KY0500476	Horse Cave Water System	Hart	2,287	1,112
KY0500305	Munfordville Water Works	Hart	1,484	757
KY0710001	Adairville Water Works	Logan	907	439
KY0710012	Auburn Water Department	Logan	1,376	645
KY0710951	East Logan Water District	Logan	7,828	3,214
KY0710247	Lewisburg Water Works	Logan	2,498	1,208
KY0710318	North Logan Water District	Logan	1,409	623
KY0710378	Russellville Municipal Water System	Logan	7,177	3,448
KY0710707	South Logan Water Association	Logan	4,104	1,809
KY0850115	Edmonton Water Works	Metcalf	7,196	3,321
KY0860141	Fountain Run Water District #1	Monroe	878	485
KY0860150	Monroe County Water District	Monroe	7,951	3,677
KY0860426	Tompkinsville Water Works	Monroe	2,402	1,201
KY1070144	Franklin Water Works	Simpson	10,453	4,590
KY1070398	Simpson County Water District	Simpson	6,710	2,806
KY1140038	Bowling Green Municipal Utilities	Warren	46,601	19,642
KY1140487	Warren County Water District	Warren	61,634	25,175
		Totals:	279,481	125,226

Project Rankings For Barren River Area Development District

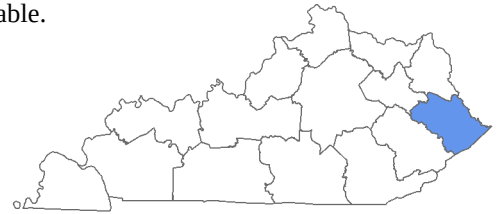
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21141060	Russellville City Park Tank	0-2 Years	Not Funded	\$1,300,000	Logan	1	1
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive	0-2 Years	Not Funded	\$2,600,000	Barren	2	1
WX21031042	Morgantown - Water Plant Improvements	3-5 Years	Not Funded	\$500,000	Butler	3	1
WX21169039	Edmonton Water Improvement Project - Contract A & B	0-2 Years	Not Funded	\$6,604,900	Metcalfe	4	1
WX21227053	WCWD - Morgantown Road Area Improvements	0-2 Years	Fully Funded	\$2,000,000	Warren	5	1
WX21099035	Edmonson County Water District - Edmonson and Hart Extensions #1	3-5 Years	Not Funded	\$977,075	Hart	6	1
WX21003020	Water Line Extension to Sumitomo Plant	3-5 Years	Not Funded	\$654,300	Allen	7	1
WX21213048	Steele Road Water Service Improvements	0-2 Years	Not Funded	\$408,000	Simpson	8	1
WX21171049	New Automatic Read Meters	0-2 Years	Not Funded	\$800,000	Monroe	9	1
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	\$1,061,585	Edmonson	10	1
WX21031046	BCWS - Pump Station Standby Power System	0-2 Years	Not Funded	\$90,000	Butler	11	2
WX21213047	North Main Street Water Line Replacement	0-2 Years	Not Funded	\$75,000	Simpson	12	2
WX21169041	12-inch Dedicated Fire Line to Sumitomo	3-5 Years	Not Funded	\$330,400	Metcalfe	13	2
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	0-2 Years	Not Funded	\$2,000,000	Barren	14	2
WX21003012	City of Scottsville - WTP Emergency Generator Project	0-2 Years	Not Funded	\$1,493,000	Allen	15	2
WX21141059	Water Office & Southern Bypass Extension	0-2 Years	Not Funded	\$1,065,000	Logan	16	2
WX21099040	Munfordville Water Meter Replacement	0-2 Years	Not Funded	\$510,000	Hart	17	2
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	\$176,000	Edmonson	18	2
WX21171037	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	3-5 Years	Not Funded	\$123,000	Monroe	19	2
WX21227044	BGMU - New Southcentral 1.0 Million Gallon Tank (Campbell Tank)	3-5 Years	Not Funded	\$12,000,000	Warren	20	2
WX21213046	Water System Improvements	0-2 Years	Not Funded	\$987,300	Simpson	21	3
WX21171047	Downtown Waterline Replacement	0-2 Years	Not Funded	\$1,066,100	Monroe	22	3
WX21099024	Horse Cave - Water Line Improvements	3-5 Years	Not Funded	\$950,000	Hart	23	3
WX21227028	WCWD - Greenwood Pump Station #2	3-5 Years	Not Funded	\$275,000	Warren	24	3
WX21003003	White Plains Tank Painting	3-5 Years	Not Funded	\$250,000	Allen	25	3
WX21031039	Morgantown - Water Tank	0-2 Years	Fully Funded	\$200,000	Butler	26	3
WX21141058	Auburn Water Meter, Remote Read Project	0-2 Years	Not Funded	\$225,000	Logan	27	3
WX21061014	Edmonson County Water Improvement - Treatment Plant Expansion	3-5 Years	Not Funded	\$5,000,000	Grayson	28	3
WX21009034	Caveland Environmental - Cave City Water Lines	0-2 Years	Not Funded	\$1,500,000	Barren	29	3
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	\$2,000,000	Metcalfe	30	3
WX21031051	Creek Crossing Relocations	0-2 Years	Not Funded	\$300,000	Butler	31	4
WX21227045	BGMU - Install Check Valve System In 3 Tanks	0-2 Years	Not Funded	\$225,000	Warren	32	4
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank Demolition	3-5 Years	Not Funded	\$350,000	Allen	33	4
WX21141061	Coating Inside/Outside of Downtown Water Tower	0-2 Years	Not Funded	\$171,000	Logan	34	4
WX21099025	Bonnieville - Water Line Improvements	3-5 Years	Not Funded	\$805,000	Hart	35	4

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21169022	Edmonton - A. Smith Rd Extension	3-5 Years	Not Funded	\$32,000	Metcalfe	36	4
WX21171039	Monroe County Water District Improvements - Water Storage Tanks	3-5 Years	Not Funded	\$200,000	Monroe	38	4
WX21213029	City of Franklin - Morgantown Rd Water Line	3-5 Years	Not Funded	\$336,000	Simpson	39	4
WX21009035	Caveland Environmental - Cave City Water Line Replacement	3-5 Years	Not Funded	\$600,000	Barren	40	4
WX21003021	KY 231 Elevated Water Tank	0-2 Years	Not Funded	\$1,750,000	Allen	41	5
WX21227060	WCWD - Kelly Vance Pump Station Upgrade	6-10 Years	Not Funded	\$835,000	Warren	42	5
WX21141001	Adairville - Water Line Ext to F. Hills Subdivision	6-10 Years	Not Funded	\$25,000	Logan	43	5
WX21031050	BCWS - Muhlenberg Tank Replacement	0-2 Years	Not Funded	\$550,000	Butler	44	5
WX21171043	Fountain Run Water District #1 - Fire Hydrant Replacement	6-10 Years	Not Funded	\$41,000	Monroe	45	5
WX21213017	SCWD - Neosho Tank	6-10 Years	Not Funded	\$1,100,000	Simpson	46	5
WX21009036	Caveland Environmental - Park City Water Line #1	0-2 Years	Not Funded	\$700,000	Barren	47	5
WX21099036	City of Munfordville Water System Analysis	0-2 Years	Not Funded	\$132,000	Hart	48	5
Total Cost:				\$55,373,660			

Big Sandy Area Development District (BSADD)

- 2010 census population of 154,093 (70,217 households) with 89% serviceable.
- Projected 2020 population of 148,051 (change of -6,042).
- 2,474.16 miles of existing water lines.
- 43.00 miles of line extensions proposed in the next 10 years.
- 20.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$45,575,087.
- Estimated funding needs for projects from 6 to 10 years: \$1,510,000.
- Average age of structures: water treatment plants is 37 years; water tanks is 28 years.
- Total number of interconnected systems is 19.
- 62 miles of asbestos concrete pipe currently in use.
- 806 miles of water lines less than 15 years old.
- 783 miles of water lines between 15 and 30 years old.
- 36 miles of water lines between 31 and 50 years old.
- 4 miles of water lines between 51 and 70 years old.
- 0 miles of water lines greater than 70 years old.



Big Sandy Area Development District has a 2010 census population count of 154,093 (70,217 households) with a projected 2020 population count of 148,051 (61,704 households). Public water is currently available to approximately 89 percent of the district's households based on 2010 census counts. Over the next ten years approximately 316 serviceable households will be added through the construction of 43.00 miles of water line extensions and approximately 68,761 instances of improved service through the rehabilitation of 20.00 miles of existing water lines and other appurtenances. 3.00 miles of transmission lines are also proposed within this district.

County Summary for Big Sandy Area Development District							
County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Floyd	39,451	18,175	37,153	15,594	17,441	96%	\$ 10,693,864
Johnson	23,356	10,624	23,265	9,647	10,170	96%	\$ 2,177,547
Magoffin	13,333	5,950	13,587	5,696	5,728	96%	\$ 2,420,311
Martin	12,929	5,164	12,055	4,410	5,078	98%	\$ 9,606,078
Pike	65,024	30,304	61,991	26,357	23,863	79%	\$ 22,187,287
Totals	154,093	70,217	148,051	61,704	62,280	89%	\$ 47,085,087

Community Drinking Water Systems in Big Sandy Area Development District County

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

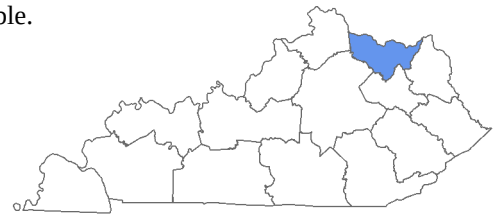
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0360272	Martin Water Works	Floyd	628	363
KY0360358	Prestonsburg City's Utilities Commission	Floyd	18,145	8,262
KY0360026	Southern Water & Sewer District	Floyd	19,027	8,759
KY0360463	Wheelwright Utilities Commission	Floyd	956	398
KY0580340	Paintsville Utilities Commission	Johnson	21,797	9,928
KY0770525	Magoffin County Water District	Magoffin	10,707	4,785
KY0770566	Salyersville Water Works	Magoffin	2,268	1,010
KY0800273	Martin County Water District	Martin	12,180	5,095
KY0980350	City of Pikeville	Pike	9,638	4,429
KY0980120	Elkhorn City Water Department	Pike	1,444	725
KY0980575	Mountain Water District	Pike	39,834	18,489
		Totals:	136,624	62,243

Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21115015	Miscellaneous Water Line Extensions - Phase 3	0-2 Years	Not Funded	\$118,322	Johnson	1	1
WX21159009	Water System Controls and Raw Water Modifications	0-2 Years	Not Funded	\$3,429,000	Martin	2	3
WX21195028	Water Loss Prevention Program Phase I – Contract #2	0-2 Years	Not Funded	\$1,500,000	Pike	3	1
WX21071730	SWSD - Lackey to Wayland Water Line Replacement	3-5 Years	Partially Funded	\$1,500,000	Floyd	4	1
WX21153029	Magoffin - KY 542/Sandbottom Water Line Extension	3-5 Years	Not Funded	\$1,097,811	Magoffin	5	1
WX21071731	Southern Water & Sewer District – Water Meter Change Out Program	3-5 Years	Not Funded	\$1,329,400	Floyd	6	2
WX21159006	ARC Water System Improvements	0-2 Years	Not Funded	\$1,200,000	Martin	7	2
WX21115028	Miscellaneous Water System Improvements	0-2 Years	Fully Funded	\$2,010,000	Johnson	8	2
WX21195037	Pikeville Water Plant Filter Subsurface Wash System Improvements	0-2 Years	Not Funded	\$253,800	Pike	9	2
WX21153012	Salversville Water Aging Water Main Phase III	0-2 Years	Not Funded	\$1,105,000	Magoffin	10	2
WX21071009	Water System Improvements - Mink Branch to Ligdon	0-2 Years	Not Funded	\$3,450,000	Floyd	11	3
WX21071006	Southern Water and Sewer District Various Line Extensions	3-5 Years	Not Funded	\$1,223,050	Floyd	12	4
WX21153028	Magoffin - Emergency Tie-In Bloomington to Grape Creek Along US 460	3-5 Years	Not Funded	\$217,500	Magoffin	13	3
WX21159008	Water System Improvements in Support of the USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Regional Airport	0-2 Years	Not Funded	\$2,059,225	Martin	14	5
WX21195007	City of Elkhorn City John Moore's Branch Water Line Extension	0-2 Years	Not Funded	\$2,750,000	Pike	15	3
WX21071001	City of Martin Emergency Water Interconnect	0-2 Years	Not Funded	\$101,749	Floyd	16	5
WX21159007	Water Treatment Plant Clarifier Rehab	0-2 Years	Not Funded	\$2,558,353	Martin	17	1
WX21195740	MWD-Various Waterline Extensions	3-5 Years	Not Funded	\$2,100,000	Pike	18	4
WX21159016	Water Treatment Plant Clarifier and Disinfection byproduct reduction	0-2 Years	Not Funded	\$359,500	Martin	19	4
WX21195035	Myra Barnes Avenue Waterline Rehabilitation	3-5 Years	Not Funded	\$781,220	Pike	20	5
WX21195036	Scott Avenue Water Line Rehabilitation	3-5 Years	Not Funded	\$996,420	Pike	21	6
WX21195039	Pike County Airport Water Line Extension	3-5 Years	Not Funded	\$3,202,293	Pike	22	7
WX21195030	Interconnect with MWD	0-2 Years	Not Funded	\$315,000	Pike	23	8
WX21195033	Stonecoal Water Supply Project	0-2 Years	Not Funded	\$775,000	Pike	24	9
Total Cost:				\$34,432,643			

Buffalo Trace Area Development District (BTADD)

- 2010 census population of 56,478 (26,144 households) with 98% serviceable.
- Projected 2020 population of 58,306 (change of 1,828).
- 1,887.62 miles of existing water lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 71.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$23,006,315.
- Estimated funding needs for projects from 6 to 10 years: \$3,700,000.
- Average age of structures: water treatment plants is 38 years; water tanks is 23 years.
- Total number of interconnected systems is 19.
- 103 miles of asbestos concrete pipe currently in use.
- 383 miles of water lines less than 15 years old.
- 943 miles of water lines between 15 and 30 years old.
- 383 miles of water lines between 31 and 50 years old.
- 154 miles of water lines between 51 and 70 years old.
- 34 miles of water lines greater than 70 years old.



Buffalo Trace Area Development District has a 2010 census population count of 56,478 (26,144 households) with a projected 2020 population count of 58,306 (24,059 households). Public water is currently available to approximately 98 percent of the district's households based on 2010 census counts. Over the next ten years approximately 163 serviceable households will be added through the construction of 16.00 miles of water line extensions and approximately 14,125 instances of improved service through the rehabilitation of 71.00 miles of existing water lines and other appurtenances. 1.00 miles of transmission lines are also proposed within this district.

County Summary for Buffalo Trace Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bracken	8,488	3,840	8,744	3,538	3,800	99%	\$ 4,215,470
Fleming	14,348	6,623	14,880	6,231	6,582	99%	\$ 5,958,795
Lewis	13,870	6,481	13,899	5,717	6,282	97%	\$ 6,341,080
Mason	17,490	8,105	18,419	7,608	7,894	97%	\$ 8,505,970
Robertson	2,282	1,095	2,364	965	1,090	100%	\$ 1,685,000
Totals	56,478	26,144	58,306	24,059	25,648	98%	\$ 26,706,315

Community Drinking Water Systems in Buffalo Trace Area Development District County

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

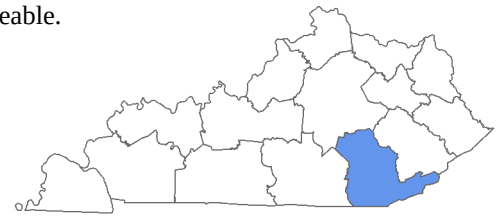
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0120013	Augusta Regional WTP	Bracken	1,165	571
KY0120039	Bracken County Water District	Bracken	6,115	2,723
KY0120044	Brooksville Water	Bracken	658	298
KY0350133	Fleming County Water Association	Fleming	9,693	4,283
KY0350134	Flemingsburg Water	Fleming	3,014	1,539
KY0910675	Western Fleming Water District	Fleming	2,867	1,300
KY0680153	Garrison Water	Lewis	2,819	1,251
KY0680438	Vanceburg Water	Lewis	6,348	3,024
KY0810046	Buffalo Trail Water Association	Mason	3,407	1,594
KY0810275	Maysville Water	Mason	11,459	5,486
KY0810366	Western Lewis-Rectorville Water & Gas District	Mason	4,977	2,252
KY0810460	Western Mason Water District	Mason	2,169	948
KY1010297	Mount Olivet Water	Robertson	443	211
		Totals:	55,134	25,480

Project Rankings For Buffalo Trace Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21069040	Greater Fleming Well	0-2 Years	Partially Funded	\$600,000	Fleming	1	1
WX21161024	Mayslick Tank	0-2 Years	Not Funded	\$1,850,500	Mason	2	1
WX21135020	Eastern Lewis-Garrison Water Extension	0-2 Years	Not Funded	\$1,029,080	Lewis	3	1
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	\$1,300,000	Bracken	4	1
WX21161044	Maysville Third Street Waterline Replacement	0-2 Years	Not Funded	\$1,200,000	Mason	5	8
WX21161037	WMWD-Water System Improvements Project	0-2 Years	Not Funded	\$1,860,470	Mason	6	2
WX21069034	Flemingsburg Water - East Water Street Water Line Replacement	0-2 Years	Not Funded	\$197,795	Fleming	7	2
WX21023047	Augusta Water Treatment Plant Improvements	3-5 Years	Not Funded	\$225,000	Bracken	8	2
WX21135019	Vanceburg Utility Upgrade Project	3-5 Years	Not Funded	\$1,112,000	Lewis	9	2
WX21201016	BTWA-KY1029 From Ogden Ridge to KY 165	6-10 Years	Not Funded	\$400,000	Robertson	10	2
WX21069039	E Main St & Mills Ave Waterline Replacement	0-2 Years	Not Funded	\$80,000	Fleming	11	3
WX21201014	Mt. Olivet Water Upgrade-KY 617/KY 165 S	6-10 Years	Not Funded	\$370,000	Robertson	12	1
WX21201013	BTWA-Scattered Lines	6-10 Years	Not Funded	\$365,000	Robertson	13	3
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	3-5 Years	Not Funded	\$600,000	Lewis	14	3
WX21023032	Brooksville Improvements	6-10 Years	Not Funded	\$500,000	Bracken	15	3
WX21161034	BTWA-Sardis Upgrade	3-5 Years	Not Funded	\$150,000	Mason	16	3
WX21161022	WLRWD - Office Tank	3-5 Years	Not Funded	\$1,440,000	Mason	17	4
WX21023046	Augusta Well	6-10 Years	Not Funded	\$250,000	Bracken	18	4
WX21135007	Garrison Quincy Water District-Phase 4	3-5 Years	Not Funded	\$2,500,000	Lewis	19	4
WX21201010	BTWA - KY 1029 & Gayles Gorge	6-10 Years	Not Funded	\$550,000	Robertson	20	4
WX21069030	WFWD-Nepton Rd & Connector Rd	3-5 Years	Not Funded	\$100,000	Fleming	21	4
WX21069038	Western Fleming Water District-Phase 2 AC Line Replacement	3-5 Years	Not Funded	\$3,000,000	Fleming	22	5
WX21023039	Augusta Lagoon Cleaning	3-5 Years	Not Funded	\$80,000	Bracken	23	5
WX21161033	BTWA-Happy Ridge Upgrade	3-5 Years	Not Funded	\$205,000	Mason	24	5
WX21161038	BTWA - Old Sardis Pike	6-10 Years	Not Funded	\$200,000	Mason	25	6
WX21023050	Bracken County Water District Water Treatment Plant Project	3-5 Years	Not Funded	\$6,000,000	Bracken	26	6
WX21069022	FCWA 12" Bypass Water Line	3-5 Years	Not Funded	\$501,000	Fleming	27	6
WX21069008	Greater Fleming County Regional Water Commission-Phase 2 Extension	11-20 Years	Not Funded	\$7,944,000	Fleming	28	7
WX21161013	Maysville Utility Telemetry/Security Improvements	6-10 Years	Not Funded	\$150,000	Mason	29	7
WX21069013	GFCRWC- Phase III	11-20 Years	Not Funded	\$16,338,000	Fleming	30	8
Total Cost:				\$51,097,845			

Cumberland Valley Area Development District (CVADD)

- 2010 census population of 236,618 (104,865 households) with 97% serviceable.
- Projected 2020 population of 237,501 (change of 883).
- 4,619.98 miles of existing water lines.
- 103.00 miles of line extensions proposed in the next 10 years.
- 59.00 miles of line rehabilitation proposed in the next 10 years.
- 54.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$78,034,693.
- Estimated funding needs for projects from 6 to 10 years: \$11,825,448.
- Average age of structures: water treatment plants is 38 years; water tanks is 29 years.
- Total number of interconnected systems is 36.
- 29 miles of asbestos concrete pipe currently in use.
- 487 miles of water lines less than 15 years old.
- 2,259 miles of water lines between 15 and 30 years old.
- 506 miles of water lines between 31 and 50 years old.
- 251 miles of water lines between 51 and 70 years old.
- 135 miles of water lines greater than 70 years old.



Cumberland Valley Area Development District has a 2010 census population count of 236,618 (104,865 households) with a projected 2020 population count of 237,501 (97,085 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 9,493 serviceable households will be added through the construction of 103.00 miles of water line extensions and approximately 198,383 instances of improved service through the rehabilitation of 59.00 miles of existing water lines and other appurtenances. 54.00 miles of transmission lines are also proposed within this district.

County Summary for Cumberland Valley Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bell	28,691	13,154	27,648	11,714	12,876	98%	\$ 5,544,298
Clay	21,730	8,875	20,289	7,421	8,375	94%	\$ 11,653,044
Harlan	29,278	13,513	26,099	10,856	12,948	96%	\$ 11,303,215
Jackson	13,494	6,523	13,771	5,961	6,136	94%	\$ 2,364,400
Knox	31,883	14,485	32,132	13,362	14,144	98%	\$ 16,740,783
Laurel	58,849	25,446	64,713	26,415	25,255	99%	\$ 31,665,165
Rockcastle	17,056	7,703	17,593	7,308	7,443	97%	\$ 4,939,976
Whitley	35,637	15,166	35,256	14,048	14,736	97%	\$ 5,649,260
Totals	236,618	104,865	237,501	97,085	101,913	97%	\$ 89,860,141

Community Drinking Water Systems in Cumberland Valley Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0070729	Bell County Forestry Camp	Bell	74	15
KY0073691	Pineville - Fonde Water System	Bell	75	33
KY0070353	Pineville Water System	Bell	15,570	7,041
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0260737	Manchester Water Works	Clay	13,248	5,726
KY0260266	North Manchester Water Association Inc	Clay	6,636	2,274
KY0480265	BMUD - Ages/Coxton	Harlan	1,081	476
KY0480277	BMUD - Dayhoit	Harlan	1,960	915
KY0480341	BMUD - Green Hills	Harlan	1,377	621
KY0480603	BMUD - Kenvir	Harlan	756	329
KY0480498	BMUD - Louellen	Harlan	785	380
KY0480650	BMUD - Rosspoint	Harlan	1,823	851
KY0480461	BMUD - Sukey Ridge	Harlan	787	367
KY0480572	BMUD - Wallins	Harlan	1,670	761
KY0480565	Cawood Water District	Harlan	4,516	1,974
KY0483727	Cawood Water District - Pathfork	Harlan	486	231
KY0480028	City of Benham	Harlan	730	387
KY0480262	City of Lynch	Harlan	829	492
KY0480092	Cumberland Municipal Water Works	Harlan	3,568	1,732
KY0480125	Evarts Municipal Water Plant	Harlan	3,426	1,403
KY0480178	Harlan Municipal Water Works	Harlan	4,286	2,051
KY0550784	City of McKee	Jackson	898	478
KY0550209	Jackson County Water Association Inc	Jackson	11,651	5,531
KY0610016	Barbourville Utility Commission	Knox	15,840	7,071
KY0610110	Knox County Utility Commission	Knox	7,845	3,766
KY0630797	East Laurel Water District	Laurel	12,966	5,482
KY0630238	Laurel Water District #2	Laurel	14,649	6,139
KY0630255	London Utility Commission	Laurel	9,221	4,186
KY0630451	West Laurel Water Association	Laurel	12,263	5,272
KY0630477	Wood Creek Water District	Laurel	11,744	5,128
KY1020889	City of Brodhead	Rockcastle	1,503	674
KY1020299	City of Mount Vernon	Rockcastle	4,404	2,025
KY1020288	Kentucky American Water	Rockcastle	1,598	785
KY1020253	Livingston Municipal Water Works	Rockcastle	385	198
KY1020891	Western Rockcastle Water Association	Rockcastle	10,724	4,737
KY1180085	Corbin Utilities Commission	Whitley	14,872	6,832
KY1180093	Cumberland Falls Highway Water District	Whitley	8,842	3,672
KY1180468	Whitley County Water District	Whitley	11,309	4,869
KY1183728	Whitley County Water District - 92 West	Whitley	453	197
KY1180471	Williamsburg Municipal WTP	Whitley	5,240	1,965
		Totals:	232,112	102,792

Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21203004	Contract 12 - Water Extensions & Improvements	0-2 Years	Not Funded	\$831,000	Rockcastle	1	3
WX21203008	Tower Tank Transmission Main	0-2 Years	Not Funded	\$323,300	Rockcastle	2	1
WX21095008	Lynch - Backwash at WTP	0-2 Years	Not Funded	\$392,650	Harlan	3	2
WX21125017	Fariston Road Drinking Water Line Extension	0-2 Years	Partially Funded	\$82,663	Laurel	4	1
WX21121537	Knox: Water Line Extension In Whitley County	0-2 Years	Partially Funded	\$709,260	Whitley	5	3
WX21095003	Cumberland Water System Improvements	3-5 Years	Not Funded	\$1,664,000	Harlan	6	3
WX21203006	Brodhead: Waterline Replacement and Upgrade	3-5 Years	Not Funded	\$1,136,000	Rockcastle	7	2
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	0-2 Years	Not Funded	\$890,000	Clay	8	4
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	\$100,000	Whitley	9	1
WX21235005	Upper Lot Mud Creek Road Water Line Extension	0-2 Years	Not Funded	\$450,000	Whitley	10	4
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	\$2,777,500	Knox	11	3
WX21121003	Southeast KY Industrial Development Authority (SKIDA)	0-2 Years	Not Funded	\$273,000	Knox	12	4
WX21125014	HWY 552 and Robinson Creek Road Loop Lines Project	3-5 Years	Not Funded	\$221,517	Laurel	13	3
WX21109002	Downtown Water Storage Tank Replacement	3-5 Years	Not Funded	\$1,825,000	Jackson	14	1
WX21109005	Water Treatment Plant Improvements	0-2 Years	Not Funded	\$530,000	Jackson	15	2
WX21125003	West 5th Street/College Street Waterline Replacement - Phase 1	0-2 Years	Not Funded	\$127,658	Laurel	16	2
WX21203554	Western Rockcastle Water Line Extensions & Improvements	0-2 Years	Partially Funded	\$527,176	Rockcastle	17	4
WX21121006	Barbourville - KY 1527 Waterline Replacement	0-2 Years	Not Funded	\$279,250	Knox	18	1
WX21051010	New Water Meters	0-2 Years	Not Funded	\$62,000	Clay	19	2
WX21051005	Water Tank Project	0-2 Years	Not Funded	\$1,700,000	Clay	20	1
WX21121551	New Water Treatment Plant	3-5 Years	Not Funded	\$6,000,000	Knox	21	5
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	\$1,000,000	Clay	22	3
WX21125007	Bakersfield Subdivision Water Line Upgrade Project	3-5 Years	Not Funded	\$179,693	Laurel	23	4
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	\$3,000,000	Knox	24	2
WX21235803	Williamsburg - Phase III Water System Improvements	6-10 Years	Not Funded	\$3,250,000	Whitley	25	2
WX21013001	Brownies Creek/Cubbage Waterline Rehab Phase 2	3-5 Years	Not Funded	\$548,350	Bell	28	1
WX21095670	City of Cumberland 10 Inch Waterline Upgrade	0-2 Years	Not Funded	\$1,210,000	Harlan	29	6
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	\$1,854,948	Bell	30	3
WX21013002	Brownies Creek/Cubbage Waterline Rehab Phase 3	6-10 Years	Not Funded	\$985,000	Bell	31	2
WX21095666	City of Cumberland Water Treatment Plant Upgrades (Was WX21095662)	0-2 Years	Not Funded	\$1,750,000	Harlan	32	5
WX21095009	Raw Water Meters	0-2 Years	Not Funded	\$7,285	Harlan	33	4
WX21051007	Raw Water Pump Replacement - Goose Creek Intake Phase II	3-5 Years	Not Funded	\$50,000	Clay	34	5
Total Cost:				\$34,737,250			

Five County Area Development District (FIVCO)

- 2010 census population of 137,884 (61,101 households) with 95% serviceable.
- Projected 2020 population of 139,098 (change of 1,214).
- 2,419.60 miles of existing water lines.
- 52.00 miles of line extensions proposed in the next 10 years.
- 99.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$87,219,830.
- Estimated funding needs for projects from 6 to 10 years: \$6,077,160.
- Average age of structures: water treatment plants is 37 years; water tanks is 31 years.
- Total number of interconnected systems is 18.
- 47 miles of asbestos concrete pipe currently in use.
- 290 miles of water lines less than 15 years old.
- 909 miles of water lines between 15 and 30 years old.
- 1,003 miles of water lines between 31 and 50 years old.
- 18 miles of water lines between 51 and 70 years old.
- 123 miles of water lines greater than 70 years old.



Five County Area Development District has a 2010 census population count of 137,884 (61,101 households) with a projected 2020 population count of 139,098 (56,252 households). Public water is currently available to approximately 95 percent of the district's households based on 2010 census counts. Over the next ten years approximately 1,737 serviceable households will be added through the construction of 52.00 miles of water line extensions and approximately 59,141 instances of improved service through the rehabilitation of 99.00 miles of existing water lines and other appurtenances. 16.00 miles of transmission lines are also proposed within this district.

County Summary for Five County Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boyd	49,542	21,803	49,446	20,040	21,740	100%	\$ 14,558,740
Carter	27,720	12,311	28,459	11,508	11,631	95%	\$ 14,165,743
Elliott	7,852	3,371	8,078	3,011	3,108	92%	\$ 4,477,003
Greenup	36,910	16,330	36,923	15,046	15,110	93%	\$ 53,811,501
Lawrence	15,860	7,286	16,192	6,647	6,605	91%	\$ 6,284,003
Totals	137,884	61,101	139,098	56,252	58,194	95%	\$ 93,296,990

Community Drinking Water Systems in Five County Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0100944	Big Sandy Water District	Boyd	14,017	6,051
KY0100064	Cannonsburg Water District	Boyd	8,953	3,715
KY0100011	City of Ashland	Boyd	35,828	16,145
KY0220335	City of Olive Hill	Carter	4,996	2,355
KY0220164	Grayson Utility Commission	Carter	10,817	4,588
KY0220555	Rattlesnake Ridge Water District	Carter	11,497	5,243
KY0320383	Sandy Hook Water District	Elliott	3,716	1,511
KY0450132	City of Flatwoods	Greenup	8,037	3,556
KY0450169	City of Greenup	Greenup	10,268	4,463
KY0450365	City of Raceland	Greenup	3,185	1,446
KY0450376	City of Russell	Greenup	4,900	2,143
KY0450410	City of South Shore	Greenup	4,582	2,161
KY0450478	City of Worthington	Greenup	1,613	684
KY0450479	City of Wurtland	Greenup	1,476	632
KY0640257	City of Louisa	Lawrence	5,471	2,472
		Totals:	129,356	57,165

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089011	Russell: Upgrade Water Treatment Plant and System Improvements	0-2 Years	Not Funded	\$16,500,000	Greenup	1	1
WX21089102	City of Greenup new Water Treatment Plant	0-2 Years	Not Funded	\$14,599,000	Greenup	2	2
WX21089101	New South Shore Water Treatment Plant	0-2 Years	Not Funded	\$3,051,133	Greenup	3	3
WX21019053	Water Plant Upgrades	0-2 Years	Not Funded	\$6,000,000	Boyd	4	1
WX21089097	City of Russell Downtown Water Main Replacement Project	0-2 Years	Not Funded	\$495,545	Greenup	5	
WX21019052	Ashland: Catlettsburg Waterline Replacement Project	0-2 Years	Not Funded	\$1,720,750	Boyd	6	2
WX21089098	City of Raceland: Lynnwood Street Sewer/Water Replacement	0-2 Years	Not Funded	\$24,000	Greenup	7	4
WX21089093	City of Flatwoods Water Tank Rehab Project	3-5 Years	Not Funded	\$180,000	Greenup	8	5
WX21019045	Ashland: Westwood Waterline Replacement Project	0-2 Years	Not Funded	\$860,740	Boyd	9	3
WX21089091	City of Flatwoods New 250,000 Gallon Water Storage Tank	0-2 Years	Not Funded	\$700,000	Greenup	10	
WX21089062	Wurtland: Radio Read Meters	3-5 Years	Not Funded	\$150,000	Greenup	11	
WX21089096	City of Worthington Water Tank Replacement	6-10 Years	Not Funded	\$500,000	Greenup	12	
WX21089046	Greenup: AA Highway System Loop	6-10 Years	Not Funded	\$919,000	Greenup	13	
WX21019051	Ashland: Ashland Waterline Replacement Project	0-2 Years	Not Funded	\$1,175,875	Boyd	14	4
WX21019049	Ashland: Ironville and Summit Waterline Replacement Project	0-2 Years	Not Funded	\$1,181,375	Boyd	15	5
WX21043043	Olive Hill: New Road Hill Waterline Rehab Project	3-5 Years	Not Funded	\$300,000	Carter	16	3
WX21089024	Wurtland: Adena Water Tank Security	0-2 Years	Not Funded	\$15,000	Greenup	17	
WX21089072	Worthington: Valve Replacement Project Systemwide	3-5 Years	Not Funded	\$20,800	Greenup	18	
WX21089005	Worthington: Clean out Wells to Increase Output	0-2 Years	Not Funded	\$98,400	Greenup	19	
WX21089095	City of Worthington New 100,000 Gallon Water Tank	6-10 Years	Not Funded	\$200,000	Greenup	20	
WX21089013	Greenup: New Water Intake Structure	3-5 Years	Partially Funded	\$4,900,000	Greenup	21	
WX21089103	Beattyville Line Replacement	0-2 Years	Not Funded	\$162,000	Greenup	22	
WX21089081	Greenup: Phase 9 Waterline Extensions and System Improvements	6-10 Years	Not Funded	\$598,260	Greenup	23	
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	\$50,000	Greenup	24	
WX21043046	Replace Garvin Hill Pump Station	0-2 Years	Not Funded	\$800,000	Carter	25	1
WX21089092	City of Flatwoods New Interconnect Project	3-5 Years	Not Funded	\$500,000	Greenup	26	
WX21089065	Raceland: Leak Detection Survey for Water Loss Abatement	0-2 Years	Not Funded	\$19,488	Greenup	27	
WX21043042	Olive Hill: Water Treatment Plant Rehab Project	0-2 Years	Not Funded	\$300,000	Carter	29	
WX21089063	Raceland: Water Meter Replacement Project	6-10 Years	Not Funded	\$369,900	Greenup	30	
WX21089071	Greenup: Argillite Water Tank Replacement	6-10 Years	Not Funded	\$750,000	Greenup	31	
WX21089075	South Shore: Killen Hollow Water Tank Upgrade with Line Extensions	0-2 Years	Not Funded	\$500,000	Greenup	32	
WX21043027	Olive Hill: Pressure Upgrade for Charlie Branch & Last Resort	3-5 Years	Not Funded	\$20,000	Carter	33	2
WX21089058	Greenup: Rt 2 Raccoon Creek Waterline Extension	6-10 Years	Not Funded	\$585,000	Greenup	36	
WX21089040	Worthington: Worthington Ave & Prospect Ave Loop	3-5 Years	Not Funded	\$110,000	Greenup	37	
WX21089061	Raceland: Relocate RR Water Main to Corkey Lane	0-2 Years	Not Funded	\$236,100	Greenup	38	

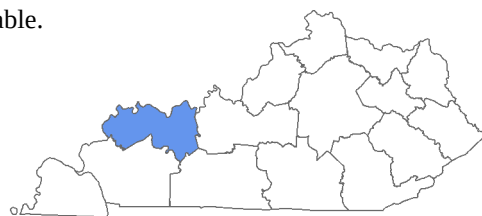


Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089077	Greenup: Downtown Greenup Water System Upgrades	0-2 Years	Not Funded	\$1,500,000	Greenup	39	
WX21089031	Raceland: Phase 9 System Loop Along US23 From Pond Run to Caroline Road	6-10 Years	Not Funded	\$150,000	Greenup	40	
WX21043045	New High Service Pump installation	0-2 Years	Not Funded	\$150,000	Carter	41	4
WX21043037	Grayson: WTP Flocculation & Clarification System	3-5 Years	Not Funded	\$2,638,000	Carter	42	5
WX21089032	Raceland: Phase 10 West Raceland Water Tank	11-20 Years	Not Funded	\$325,000	Greenup	43	
WX21127025	Doe Knob Water Line Extension	0-2 Years	Not Funded	\$20,000	Lawrence	44	
WX21089076	Greenup: US 23 Transmission Main	6-10 Years	Not Funded	\$900,000	Greenup	45	
Total Cost:				\$64,275,366			

Green River Area Development District (GRADD)

- 2010 census population of 213,472 (92,066 households) with 97% serviceable.
- Projected 2020 population of 220,544 (change of 7,072).
- 4,068.22 miles of existing water lines.
- 133.00 miles of line extensions proposed in the next 10 years.
- 82.00 miles of line rehabilitation proposed in the next 10 years.
- 48.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$122,932,152.
- Estimated funding needs for projects from 6 to 10 years: \$17,702,375.
- Average age of structures: water treatment plants is 38 years; water tanks is 31 years.
- Total number of interconnected systems is 30.
- 185 miles of asbestos concrete pipe currently in use.
- 436 miles of water lines less than 15 years old.
- 1,291 miles of water lines between 15 and 30 years old.
- 1,743 miles of water lines between 31 and 50 years old.
- 385 miles of water lines between 51 and 70 years old.
- 245 miles of water lines greater than 70 years old.



Green River Area Development District has a 2010 census population count of 213,472 (92,066 households) with a projected 2020 population count of 220,544 (89,593 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 918 serviceable households will be added through the construction of 133.00 miles of water line extensions and approximately 122,455 instances of improved service through the rehabilitation of 82.00 miles of existing water lines and other appurtenances. 48.00 miles of transmission lines are also proposed within this district.

County Summary for Green River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Daviess	96,656	41,452	102,214	41,878	39,711	96%	\$ 49,963,294
Hancock	8,565	3,734	8,843	3,502	3,688	99%	\$ 4,771,646
Henderson	46,250	20,320	47,600	19,851	20,065	99%	\$ 46,020,785
McLean	9,531	4,264	9,271	3,821	4,084	96%	\$ 17,181,358
Ohio	23,842	10,219	24,781	9,786	9,933	97%	\$ 2,736,750
Union	15,007	6,141	14,436	5,463	5,948	97%	\$ 1,630,885
Webster	13,621	5,936	13,399	5,292	5,752	97%	\$ 18,329,809
Totals	213,472	92,066	220,544	89,593	89,181	97%	\$ 140,634,527

Community Drinking Water Systems in Green River Area Development District County

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

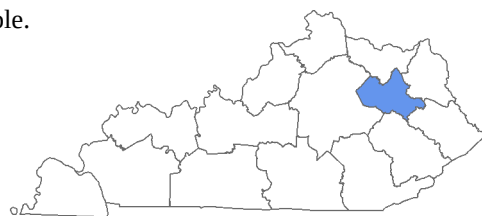
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0300109	East Daviess County Water Association	Daviess	11,192	4,546
KY0300336	Owensboro Municipal Utilities	Daviess	58,508	26,515
KY0300387	Southeast Daviess County Water District	Daviess	11,450	4,470
KY0300450	West Daviess County Water District	Daviess	10,744	4,263
KY0300467	Whitesville Water Works	Daviess	3,501	1,328
KY0460182	Hawesville Water Works	Hancock	2,742	1,187
KY0460248	Lewisport Municipal Water Works	Hancock	2,605	1,170
KY0510189	Henderson County Water District	Henderson	16,011	6,463
KY0510188	Henderson Water Utility - North	Henderson	30,094	13,758
KY0750529	Beech Grove Water Association	McLean	1,136	498
KY0750055	Calhoun Water Works	McLean	966	491
KY0750207	Island Water Department	McLean	1,039	464
KY0750252	Livermore Water Works	McLean	1,412	674
KY0300320	North McLean County Water District	McLean	2,939	1,215
KY0750907	Sacramento Water Works	McLean	1,823	824
KY0920025	Beaver Dam Municipal Water & Sewer System	Ohio	3,631	1,543
KY0920070	Centertown Water System	Ohio	1,177	492
KY0920136	Fordsville Water Works	Ohio	927	427
KY0920181	Hartford Municipal Water Works	Ohio	2,720	1,181
KY0920332	Ohio County Water District	Ohio	14,773	6,308
KY1130293	Morganfield Water Works	Union	5,548	1,906
KY1130422	Sturgis Water Works	Union	2,509	1,219
KY1130433	Union County Water District	Union	5,362	2,302
KY1130434	Uniontown Water & Sewer Department	Union	1,131	518
KY1170073	Clay Water Works	Webster	1,287	557
KY1170104	Dixon Water Department	Webster	768	256
KY1170361	Providence Water Works	Webster	3,610	1,786
KY1170388	Sebree Water Department	Webster	1,660	625
KY1170400	Slaughters Water Works	Webster	585	248
KY1170995	Webster County Water District	Webster	5,154	2,198
		Totals:	207,004	89,432

Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21059074	Calvin Water Treatment Plant Expansion	0-2 Years	Not Funded	\$46,785,062	Daviess	1	1
WX21183038	Rochester Dam Critical Repair Project	0-2 Years	Not Funded	\$3,750,000	Ohio	2	1
WX21233009	Webster County Water District Water Tank Maintenance/ Mixing System	3-5 Years	Not Funded	\$500,000	Webster	4	1
WX21233023	Dixon Water Line Upgrade	0-2 Years	Not Funded	\$377,500	Webster	5	2
WX21233024	Providence Water System Improvements	0-2 Years	Not Funded	\$766,545	Webster	6	3
WX21059027	EDCWA Scattered Water Line Extension #2	3-5 Years	Not Funded	\$325,400	Daviess	7	5
WX21059032	Sawmill Road Water Line Extension	6-10 Years	Not Funded	\$51,300	Daviess	8	3
WX21059031	Ward Road Water Line Upgrade	6-10 Years	Not Funded	\$197,675	Daviess	9	4
WX21059045	Jack Hinton Road Water Main Project	3-5 Years	Not Funded	\$499,280	Daviess	10	2
WX21149059	Pack Schoolhouse Road	0-2 Years	Not Funded	\$427,000	McLean	11	1
WX21183043	EDCWA Ohio County Alternate Water Main Connect	3-5 Years	Not Funded	\$400,000	Ohio	12	2
WX21091074	EDCWA Meter Replacement Project (Hancock)	3-5 Years	Partially Funded	\$251,200	Hancock	13	2
WX21091082	Hawesville Water Treatment Plant Upgrade	6-10 Years	Not Funded	\$300,000	Hancock	14	1
WX21233102	Reworking Mt. Pleasant to Dixon Pumpstation	0-2 Years	Not Funded	\$80,000	Webster	15	4
WX21183047	Fordsville Water Tank Rehab Project	0-2 Years	Not Funded	\$417,500	Ohio	16	3
WX21149066	Highway 593 Booster Pump Station	0-2 Years	Not Funded	\$158,400	McLean	17	2
WX21101116	Henderson Riverport Infrastructure Extension, Water Line	0-2 Years	Not Funded	\$66,788	Henderson	18	1
WX21101009	HWU - South Water Treatment Plant Expansion	3-5 Years	Not Funded	\$3,500,000	Henderson	19	2
WX21101110	Hwy 351 Main Replacement	0-2 Years	Not Funded	\$2,329,156	Henderson	20	3
WX21101004	Green River Supplemental Supply	3-5 Years	Not Funded	\$16,650,000	Henderson	21	4
WX21101065	Poole Mill Road Loop	3-5 Years	Not Funded	\$46,000	Henderson	22	5
WX21149005	Beech Grove Water System Storage Tank Addition	0-2 Years	Not Funded	\$1,305,650	McLean	23	3
WX21149022	431 Tank Project	0-2 Years	Partially Funded	\$1,488,000	McLean	24	4
WX21149058	Sacramento Water Meter Replacement	3-5 Years	Not Funded	\$150,000	McLean	25	5
WX21183021	Oak Wood Drive Water Main Replacement	6-10 Years	Not Funded	\$132,000	Ohio	26	4
WX21233095	Providence Line Extension	6-10 Years	Not Funded	\$1,000,000	Webster	27	5
WX21091089	Donna Lou/Faith Ann Line Upsizing project	3-5 Years	Not Funded	\$100,000	Hancock	28	3
WX21225044	Highway 130 Water Main Replacement Project	11-20 Years	Not Funded	\$136,070	Union	29	2
WX21225046	Uniontown Water Tanks and Repair Project	11-20 Years	Not Funded	\$200,000	Union	30	3
WX21225026	Uniontown Valve Upgrades	11-20 Years	Not Funded	\$196,311	Union	31	4
WX21091099	Coal Bank Hollow Water Main Replacement	0-2 Years	Not Funded	\$180,000	Hancock	32	4
WX21091094	Lewisport Water Line Replacement Project	11-20 Years	Not Funded	\$1,042,000	Hancock	33	5
WX21183022	EDCWA Small Main Connections	0-2 Years	Not Funded	\$153,000	Ohio	34	5
WX21225043	Highway 492 Line Upgrade	11-20 Years	Not Funded	\$915,000	Union	35	5
Total Cost:				\$84,876,837			

Gateway Area Development District (GWADD)

- 2010 census population of 81,652 (36,780 households) with 97% serviceable.
- Projected 2020 population of 87,651 (change of 5,999).
- 1,909.45 miles of existing water lines.
- 33.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$42,396,200.
- Estimated funding needs for projects from 6 to 10 years: \$6,687,700.
- Average age of structures: water treatment plants is 40 years; water tanks is 24 years.
- Total number of interconnected systems is 30.
- 27 miles of asbestos concrete pipe currently in use.
- 464 miles of water lines less than 15 years old.
- 852 miles of water lines between 15 and 30 years old.
- 687 miles of water lines between 31 and 50 years old.
- 137 miles of water lines between 51 and 70 years old.
- 14 miles of water lines greater than 70 years old.



Gateway Area Development District has a 2010 census population count of 81,652 (36,780 households) with a projected 2020 population count of 87,651 (34,583 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 223 serviceable households will be added through the construction of 33.00 miles of water line extensions and approximately 190,163 instances of improved service through the rehabilitation of 17.00 miles of existing water lines and other appurtenances. 2.00 miles of transmission lines are also proposed within this district.

County Summary for Gateway Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bath	11,591	5,405	12,132	5,006	5,195	96%	\$ 4,573,525
Menifee	6,306	3,744	6,038	2,422	3,585	96%	\$ 2,760,500
Montgomery	26,499	11,699	30,750	12,483	11,661	100%	\$ 6,752,320
Morgan	13,923	5,830	14,023	5,126	5,382	92%	\$ 3,119,555
Rowan	23,333	10,102	24,708	9,546	9,965	99%	\$ 31,878,000
Totals	81,652	36,780	87,651	34,583	35,788	97%	\$ 49,083,900

Community Drinking Water Systems in Gateway Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0060022	Bath County Water District	Bath	8,936	4,029
KY0060338	City of Owingsville	Bath	1,932	966
KY0060392	Sharpsburg Water District	Bath	3,269	1,466
KY0830148	City of Frenchburg	Menifee	5,401	3,387
KY0870212	City of Jeffersonville	Montgomery	4,640	2,021
KY0870147	Judy Water Association	Montgomery	4,623	1,946
KY0870246	Levee Road Water Association, Inc	Montgomery	2,163	916
KY0870290	Montgomery County Water District #1	Montgomery	1,815	756
KY0870298	Mount Sterling Water and Sewer	Montgomery	11,989	5,517
KY0870367	Reid Village Water District	Montgomery	2,547	1,082
KY0880452	City of West Liberty	Morgan	3,431	855
KY0880594	Morgan County Water District	Morgan	8,859	4,107
KY1030480	Morehead State University	Rowan	1,707	166
KY1030292	Morehead Utility Plant Board	Rowan	8,074	3,636
KY1030375	Rowan Water, Inc	Rowan	16,113	7,491
		Totals:	85,499	38,341

Project Rankings For Gateway Area Development District

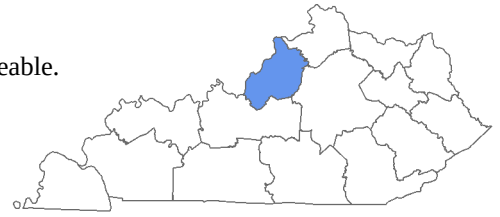
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21175009	Water Quality Improvements Project	0-2 Years	Not Funded	\$1,500,000	Morgan	1	1
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	\$28,428,000	Rowan	2	1
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Not Funded	\$1,171,350	Menifee	3	1
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	\$170,600	Morgan	4	2
WX21205049	Rowan Water Inc. Radio Read Meter Replacement Project	0-2 Years	Not Funded	\$1,700,000	Rowan	5	2
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	\$500,000	Bath	6	1
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	\$900,000	Rowan	7	3
WX21173160	Levee Road Water Association System Improvements Project	0-2 Years	Not Funded	\$1,069,675	Montgomery	8	1
WX21165020	Water Treatment Plant SCADA Project	0-2 Years	Not Funded	\$66,000	Menifee	9	2
WX21173125	City of Jeffersonville Welch Road Project - Phase II	0-2 Years	Not Funded	\$250,000	Montgomery	10	2
WX21011013	Waterline Replacement Project	3-5 Years	Not Funded	\$1,035,000	Bath	11	2
WX21173149	Reid Village Water District Meter Replacement Project	3-5 Years	Not Funded	\$100,000	Montgomery	12	3
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	\$200,000	Montgomery	13	4
WX21011037	City of Owingsville Radio Read Meter Installation Project	0-2 Years	Not Funded	\$323,075	Bath	14	3
WX21173123	Montgomery County Water District No. 1 Equipment Project	0-2 Years	Not Funded	\$300,000	Montgomery	15	5
WX21173065	Mt. Sterling Water & Sewer System South Queen Project	3-5 Years	Not Funded	\$326,000	Montgomery	16	6
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	\$91,150	Menifee	17	3
WX21173121	Judy Water Association Water Tank Inspection Project	3-5 Years	Not Funded	\$100,000	Montgomery	18	7
WX21173074	Devonne Pump Station Pump Replacement	3-5 Years	Not Funded	\$28,600	Montgomery	19	8
WX21011016	Bath County Water District Standby Power Generator Project	6-10 Years	Not Funded	\$120,000	Bath	20	4
WX21173154	460/Queen Street Waterline Replacement Project	3-5 Years	Not Funded	\$150,000	Montgomery	21	9
WX21173161	Levee Road Water Association Meter Settings Replacement Project	3-5 Years	Not Funded	\$475,000	Montgomery	22	10
WX21011027	Bath County Water District Scattered Site System Improvement Project	3-5 Years	Not Funded	\$140,000	Bath	23	5
WX21175037	Countywide Waterline Extensions	6-10 Years	Not Funded	\$1,239,355	Morgan	24	3
WX21011009	Sharpsburg Water District Rich Lan Road Waterline Extension Project	0-2 Years	Not Funded	\$181,150	Bath	25	6
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	6-10 Years	Not Funded	\$1,432,000	Menifee	26	4
WX21173101	Montgomery County Water District No. 1 System Improvement Project	11-20 Years	Not Funded	\$300,000	Montgomery	27	11
WX21173048	City of Jeffersonville Highway 1050 Line Replacement Project	11-20 Years	Not Funded	\$300,000	Montgomery	28	12
WX21173047	Levee Road Water Association Countryside Drive Waterline Extension	6-10 Years	Not Funded	\$246,045	Montgomery	29	13
WX21173146	WTP Polymer Injection System Replacement	0-2 Years	Not Funded	\$10,000	Montgomery	30	14
WX21173147	WTP Chemical Pump Replacement	3-5 Years	Not Funded	\$17,500	Montgomery	31	15
WX21173134	Mount Sterling Water and Sewer Bottom of Filter Chlorine Analyzers	3-5 Years	Not Funded	\$25,000	Montgomery	32	16
WX21173144	WTP Filter Control Rehab	3-5 Years	Not Funded	\$40,000	Montgomery	33	17



Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21173043	Mt. Sterling Water & Sewer WTP Backwash Valve Replacement	3-5 Years	Not Funded	\$75,000	Montgomery	34	18
WX21173158	Belt Filter Press Project	3-5 Years	Not Funded	\$225,000	Montgomery	35	19
WX21173157	VFD Replacement High Service Building Project	3-5 Years	Not Funded	\$20,000	Montgomery	36	20
WX21173094	Mt. Sterling Water & Sewer System Automatic Flush Valve Project	3-5 Years	Not Funded	\$35,000	Montgomery	37	21
WX21173095	Mt. Sterling Water & Sewer System Valve Replacement Project	6-10 Years	Not Funded	\$150,000	Montgomery	38	22
WX21205042	Morehead Utility Plant Board Radio Read Meter and Technology Project	3-5 Years	Not Funded	\$700,000	Rowan	39	4
WX21173155	Osborne Road Water Tank Painting Project	0-2 Years	Not Funded	\$450,000	Montgomery	40	23
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	\$800,000	Montgomery	41	24
WX21173008	Mt. Sterling Water & Sewer Spencer Road Water Main Extension	6-10 Years	Not Funded	\$250,000	Montgomery	42	25
WX21173066	Mt. Sterling Water & Sewer System Fire Hydrant Project	6-10 Years	Not Funded	\$168,000	Montgomery	43	26
WX21173107	Levee Road Water Association Phase III Meter Replacement Project	3-5 Years	Not Funded	\$50,000	Montgomery	44	27
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	\$209,600	Morgan	45	4
WX21173044	Montgomery County Water District #1 Whitaker Lane Vault Valve Replacement	6-10 Years	Not Funded	\$60,000	Montgomery	46	28
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	6-10 Years	Not Funded	\$150,000	Rowan	47	5
WX21173111	Mount Sterling Water and Sewer Waterline Rehab Projects - Various Sites	6-10 Years	Not Funded	\$600,000	Montgomery	48	29
WX21173109	Montgomery County Water District #1 Concrete Abestos Pipe Replacement	11-20 Years	Not Funded	\$400,000	Montgomery	49	30
WX21173153	South Maysville Waterline Replacement Project	0-2 Years	Not Funded	\$77,500	Montgomery	50	31
WX21173046	Reid Village Water District Wades Mill Tank Mixing System Project	3-5 Years	Not Funded	\$20,000	Montgomery	51	32
WX21173156	Distribution Warehouse Security Cameras/Electronic Gate Project	3-5 Years	Not Funded	\$12,500	Montgomery	52	33
WX21173145	Slate Creek Stream Bank Stabilization	3-5 Years	Not Funded	\$50,000	Montgomery	53	34
WX21173054	Onsite Fuel Storage	3-5 Years	Not Funded	\$30,000	Montgomery	54	35
WX21173159	Office Equipment Upgrade	3-5 Years	Not Funded	\$38,000	Montgomery	55	36
WX21173138	Levee Road Water Association Fence Replacement Project	6-10 Years	Not Funded	\$10,000	Montgomery	56	37
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	\$10,500	Montgomery	57	38
Total Cost:				\$47,526,600			

Kentuckiana Regional Planning and Development Agency (KIPDA)



- 2010 census population of 959,091 (421,502 households) with 98% serviceable.
- Projected 2020 population of 1,058,343 (change of 99,252).
- 6,354.39 miles of existing water lines.
- 116.00 miles of line extensions proposed in the next 10 years.
- 47.00 miles of line rehabilitation proposed in the next 10 years.
- 65.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$190,968,485.
- Estimated funding needs for projects from 6 to 10 years: \$31,517,028.
- Average age of structures: water treatment plants is 23 years; water tanks is 38 years.
- Total number of interconnected systems is 14.
- 118 miles of asbestos concrete pipe currently in use.
- 79 miles of water lines less than 15 years old.
- 218 miles of water lines between 15 and 30 years old.
- 690 miles of water lines between 31 and 50 years old.
- 1,007 miles of water lines between 51 and 70 years old.
- 47 miles of water lines greater than 70 years old.

Kentuckiana Regional Planning and Development Agency has a 2010 census population count of 959,091 (421,502 households) with a projected 2020 population count of 1,058,343 (437,016 households). Public water is currently available to approximately 98 percent of the district's households based on 2010 census counts. Over the next ten years approximately 96,359 serviceable households will be added through the construction of 116.00 miles of water line extensions and approximately 52,055 instances of improved service through the rehabilitation of 47.00 miles of existing water lines and other appurtenances. 65.00 miles of transmission lines are also proposed within this district.

County Summary for Kentuckiana Regional Planning and Development Agency

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Bullitt	74,319	29,318	88,508	34,970	28,334	97%	\$ 9,814,500
Henry	15,416	6,640	15,915	6,405	6,330	95%	\$ 7,339,729
Jefferson	741,096	337,616	793,817	336,744	334,965	99%	\$ 108,416,708
Oldham	60,316	20,688	74,990	26,354	18,500	89%	\$ 22,014,750
Shelby	42,074	16,606	51,944	19,663	16,197	98%	\$ 57,884,212
Spencer	17,061	6,704	23,655	9,025	6,356	95%	\$ 4,214,172
Trimble	8,809	3,930	9,514	3,855	3,632	92%	\$ 12,801,442
Totals	959,091	421,502	1,058,343	437,016	414,314	98%	\$ 222,485,513

Community Drinking Water Systems in Kentuckiana Regional Planning and Development Agency County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0150242	Lebanon Junction Water Works	Bullitt	2,191	932
KY0150300	Mount Washington Water & Sewer Company	Bullitt	19,320	7,681
KY0520122	Eminence Water Works	Henry	2,522	1,092
KY0520192	Henry County Water District #2	Henry	14,543	6,106
KY0520520	New Castle Water Works	Henry	930	429
KY0560258	Louisville Water Company	Jefferson	807,578	362,277
KY0930481	Lagrange Utilities Commission	Oldham	8,863	3,496
KY0930333	Oldham County Water District	Oldham	19,234	5,609
KY1060324	North Shelby Water District	Shelby	10,913	4,368
KY1060394	Shelbyville Municipal Water & Sewer Commission	Shelby	22,031	8,917
KY1060436	US 60 Water District	Shelby	4,940	2,066
KY1060457	West Shelby Water District	Shelby	5,120	1,973
KY1080425	Taylorsville Water Works	Spencer	18,526	7,236
KY1120289	Milton Water & Sewer Department	Trimble	2,392	1,142
KY1120431	Trimble County Water District #1	Trimble	3,511	1,521
		Totals:	942,614	414,845

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029294	Lebanon Junction Preston Highway Water System Improvements	0-2 Years	Not Funded	\$300,000	Bullitt	1	1
WX21211074	Water System Rehabilitation	3-5 Years	Not Funded	\$801,800	Shelby	2	1
WX21223004	Tilley Lane Ext.	3-5 Years	Not Funded	\$125,000	Trimble	3	1
WX21111187	Lead Service Renewals	3-5 Years	Not Funded	\$1,500,000	Jefferson	4	1
WX21215009	Southville Pike – SR 44 Upgrade	3-5 Years	Not Funded	\$375,000	Spencer	5	1
WX21103048	City of New Castle - College St Water Line Replacement	3-5 Years	Not Funded	\$104,000	Henry	6	1
WX21185030	Storage Tank US 42 and Liberty Lane	0-2 Years	Partially Funded	\$2,200,000	Oldham	7	1
WX21029166	Roe Hill Road	3-5 Years	Not Funded	\$641,200	Bullitt	8	2
WX21211054	US 60 Water District Radio Reads	6-10 Years	Not Funded	\$770,000	Shelby	9	2
WX21223010	S. Spillman Lane Ext.	3-5 Years	Not Funded	\$70,000	Trimble	10	2
WX21215002	Mill Road Upgrade SR 1795	6-10 Years	Not Funded	\$330,000	Spencer	11	2
WX21111163	Water Main Rehabilitation	3-5 Years	Partially Funded	\$7,455,001	Jefferson	12	2
WX21103008	KY 153 Upgrade	6-10 Years	Not Funded	\$1,175,000	Henry	13	2
WX21185050	18-inch water main connecting Buckner Crossing with Quality Place	6-10 Years	Not Funded	\$1,600,000	Oldham	14	2
WX21029130	Newman Hill Road	6-10 Years	Not Funded	\$231,000	Bullitt	15	3
WX21211052	Clear Creek to Hwy 43	3-5 Years	Not Funded	\$56,074	Shelby	16	3
WX21215007	Normandy Road – Upgrade	3-5 Years	Not Funded	\$225,000	Spencer	17	3
WX21111161	Crittenden Drive, 5018 to 7800 Block	3-5 Years	Not Funded	\$700,000	Jefferson	18	3
WX21111172	Vernetta Way Water Main Extension	3-5 Years	Partially Funded	\$210,000	Jefferson	19	4
WX21029095	Kerr Lane	6-10 Years	Not Funded	\$45,000	Bullitt	20	4
WX21215043	Overlook Road	3-5 Years	Not Funded	\$101,376	Spencer	21	4
WX21111173	Buttermilk Ridge Rd Main Extension	3-5 Years	Partially Funded	\$165,000	Jefferson	22	5
WX21029152	P'Poole Lane	11-20 Years	Not Funded	\$42,500	Bullitt	23	5
WX21215006	Bloomfield Road North SR 55 - Upgrade	3-5 Years	Not Funded	\$85,000	Spencer	24	5
WX21111186	Harrod's Old Trace Main Extension	6-10 Years	Partially Funded	\$362,000	Jefferson	25	6
WX21029253	Perkins Lane	3-5 Years	Not Funded	\$192,000	Bullitt	26	6
WX21215005	Bloomfield Road – South SR 55 Upgrade	3-5 Years	Not Funded	\$220,000	Spencer	27	6
WX21029242	Flatlick Road Water Main Extension Phase I	3-5 Years	Not Funded	\$87,450	Bullitt	28	7
WX21103015	Smithfield Loop	3-5 Years	Not Funded	\$459,500	Henry	29	3
WX21185021	Old Lagrange Road Extension	3-5 Years	Not Funded	\$227,250	Oldham	30	3
WX21211062	Jeptha Knob Water Tank	11-20 Years	Not Funded	\$300,000	Shelby	31	4
WX21103037	US 42 Tank	3-5 Years	Partially Funded	\$3,254,000	Henry	32	4
WX21111123	Roult Road	11-20 Years	Not Funded	\$25,500	Jefferson	33	7
WX21111168	North Shelby Regional Storage	3-5 Years	Not Funded	\$2,500,000	Jefferson	34	8
WX21029025	Cave Hollow	3-5 Years	Not Funded	\$175,000	Bullitt	35	8



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029241	Ramblin Road Water Main Extension	3-5 Years	Not Funded	\$86,000	Bullitt	36	9
WX21215011	Plum Ridge Road Upgrade	6-10 Years	Not Funded	\$170,000	Spencer	37	7
WX21111005	Alton Road	6-10 Years	Not Funded	\$33,000	Jefferson	38	9
WX21211038	Busey Extension	3-5 Years	Not Funded	\$56,074	Shelby	39	5
WX21215008	Town Hill Road – Upgrade	3-5 Years	Not Funded	\$80,000	Spencer	40	8
WX21185019	Old Zaring Road Extension	3-5 Years	Not Funded	\$135,000	Oldham	41	4
WX21185025	Goshen Lane Extension	6-10 Years	Not Funded	\$60,000	Oldham	42	5
WX21211017	Zaring Mill Road Extension	3-5 Years	Not Funded	\$175,000	Shelby	43	6
WX21211068	I-64 Transmission Pipeline - Phase II	0-2 Years	Partially Funded	\$6,000,000	Shelby	44	7
WX21029136	Old Ford Road	11-20 Years	Not Funded	\$18,000	Bullitt	45	10
WX21029199	Weird Road	11-20 Years	Not Funded	\$119,000	Bullitt	46	11
WX21103010	KY 146 Upgrade	3-5 Years	Not Funded	\$782,500	Henry	47	5
WX21103014	Fallen Timber - New Castle	6-10 Years	Not Funded	\$975,000	Henry	48	6
WX21103019	KY 1359 Loop	3-5 Years	Not Funded	\$42,000	Henry	49	7
WX21111014	Billtown Road Water Main	6-10 Years	Not Funded	\$48,000	Jefferson	50	10
WX21111027	Chamberlain Lane	6-10 Years	Not Funded	\$132,000	Jefferson	51	11
WX21185047	Replace KY Hwy 1793 Storage Tank and Booster Pump Station	3-5 Years	Not Funded	\$2,000,000	Oldham	52	6
WX21185052	Halls Hill Road Phase II - From Glenarm Road to 3328 Halls Hill	3-5 Years	Not Funded	\$354,000	Oldham	53	7
WX21185011	Camden Road Extension	3-5 Years	Not Funded	\$180,000	Oldham	54	8
WX21029204	Bowles Lane	11-20 Years	Not Funded	\$35,000	Bullitt	55	12
WX21111029	Church Rd	6-10 Years	Not Funded	\$40,200	Jefferson	56	12
WX21211086	24 Inch Transmission Main 55 to 53	0-2 Years	Not Funded	\$4,936,500	Shelby	57	8
WX21211061	Grubbs Lane	6-10 Years	Not Funded	\$90,000	Shelby	58	9
WX21211042	North Shelby Water Tank	3-5 Years	Not Funded	\$1,100,000	Shelby	59	10
WX21103057	Turkey Run Waterline	3-5 Years	Not Funded	\$190,229	Henry	60	8
WX21103011	Sulphur Transmission Main	3-5 Years	Not Funded	\$546,000	Henry	61	9
WX21029275	Mills Lane	6-10 Years	Not Funded	\$82,000	Bullitt	62	13
WX21111030	Cleveland Avenue	6-10 Years	Not Funded	\$16,200	Jefferson	63	13
WX21215010	Yoder Station Road	6-10 Years	Not Funded	\$65,268	Spencer	64	9
WX21215084	Love Lane	11-20 Years	Not Funded	\$38,016	Spencer	65	10
WX21223021	Trimble Area Optimization Plan	3-5 Years	Not Funded	\$2,000,000	Trimble	66	3
WX21223028	Watson Lane Waterline Extension	3-5 Years	Not Funded	\$100,000	Trimble	67	4
WX21223030	Meter Replacement Project	0-2 Years	Partially Funded	\$400,000	Trimble	68	5
WX21029090	John Lee Road	6-10 Years	Not Funded	\$105,000	Bullitt	69	14
WX21029119	Mooney Lane	11-20 Years	Not Funded	\$133,000	Bullitt	70	15
WX21111028	Childers Lane	6-10 Years	Not Funded	\$45,000	Jefferson	71	14



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21215014	Goose Creek Loop Line	3-5 Years	Not Funded	\$90,000	Spencer	72	11
WX21215016	Possum Ridge Water Tank & Pump Station Replacement & Town Hill Water Main Replacement	0-2 Years	Partially Funded	\$2,240,000	Spencer	73	12
WX21111191	Bardstown Regional Water Storage	0-2 Years	Not Funded	\$6,500,000	Jefferson	74	15
WX21103038	KY 157 Main Upgrade	3-5 Years	Not Funded	\$2,080,000	Henry	75	10
WX21103046	Sweeney Lane	3-5 Years	Not Funded	\$135,000	Henry	76	11
WX211111042	Dogwood Boulevard	6-10 Years	Not Funded	\$139,000	Jefferson	77	16
WX21215079	Louisville Road- Highway 31 East	3-5 Years	Not Funded	\$168,960	Spencer	78	13
WX21215057	Fred Bauer Road Extension	3-5 Years	Not Funded	\$12,672	Spencer	79	14
WX211111159	Regional Pipeline	3-5 Years	Not Funded	\$9,347,847	Jefferson	80	17
WX211111160	Technology Park Water Main	0-2 Years	Not Funded	\$800,536	Jefferson	81	18
WX21223025	Bucks Run Water Line	6-10 Years	Not Funded	\$18,500	Trimble	82	6
WX21223037	System Reliability Upgrades	0-2 Years	Not Funded	\$480,000	Trimble	83	7
WX212111028	Ritter Road Extension	3-5 Years	Not Funded	\$8,295	Shelby	84	11
WX21211019	Tatum Road - Locust Grove Connection	3-5 Years	Not Funded	\$50,000	Shelby	85	12
WX21029208	Walnut & Bank Street Upgrades	3-5 Years	Not Funded	\$79,200	Bullitt	86	16
WX21029257	Vaughn Road Drive	11-20 Years	Not Funded	\$1,080,000	Bullitt	87	17
WX21103018	Radcliff Road to Hwy 712	3-5 Years	Not Funded	\$48,000	Henry	88	12
WX21103051	Water Treatment Plant Upgrade	3-5 Years	Not Funded	\$5,500,000	Henry	89	13
WX21103050	City of New Castle - Water System Improvements Project	3-5 Years	Not Funded	\$108,000	Henry	90	14
WX21211080	I-64 Transmission Pipeline - Phase III	0-2 Years	Not Funded	\$5,200,000	Shelby	91	13
WX21211076	North Shelby Pump Station Improvements	0-2 Years	Not Funded	\$1,070,000	Shelby	92	14
WX21211078	North Shelby Bypass Transmission Main	0-2 Years	Not Funded	\$1,732,000	Shelby	93	15
WX21211081	I-64 Transmission Pipeline - Phase IV	0-2 Years	Not Funded	\$30,200,000	Shelby	94	16
WX21103043	Bunk Ellis Road	3-5 Years	Not Funded	\$50,000	Henry	95	15
WX21111077	Kessler Road	6-10 Years	Not Funded	\$155,200	Jefferson	96	19
WX21111097	Murray Lane	6-10 Years	Not Funded	\$35,050	Jefferson	97	20
WX211111104	Old Taylorsville Road	11-20 Years	Not Funded	\$32,000	Jefferson	98	21
WX211111103	Old Taylorsville Road	6-10 Years	Not Funded	\$83,200	Jefferson	99	22
WX21029124	Nalley Lane	6-10 Years	Not Funded	\$32,500	Bullitt	100	18
WX21029202	Woodrow Lane	11-20 Years	Not Funded	\$10,000	Bullitt	101	19
WX21029207	Phelps Road	6-10 Years	Not Funded	\$280,000	Bullitt	102	20
WX21103012	Dawkins Lane - Hwy 146 & Kavanaugh Lane to Hwy. 1606	3-5 Years	Not Funded	\$134,500	Henry	103	16
WX21215085	Little Union/ Hwy 652	11-20 Years	Not Funded	\$109,824	Spencer	104	15
WX21215080	Max Rouse Road	3-5 Years	Not Funded	\$196,416	Spencer	105	16
WX21185020	Lagrange Road - Hwy 146 Extension	3-5 Years	Not Funded	\$494,000	Oldham	106	9
WX21185018	Sleepy Hollow - Schuler Rd Extension	3-5 Years	Not Funded	\$20,000	Oldham	107	10



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21185051	Central Service Area Water Tank	6-10 Years	Not Funded	\$4,000,000	Oldham	108	11
WX21111169	English Station Storage	3-5 Years	Not Funded	\$10,700,000	Jefferson	109	23
WX21029026	Cave Spring Drive	3-5 Years	Not Funded	\$10,000	Bullitt	110	21
WX21029274	Cardinal Road II Water Main Extension and Booster Pump Station	6-10 Years	Not Funded	\$140,000	Bullitt	111	22
WX21223029	Lower Middle Creek Waterline Extension	6-10 Years	Not Funded	\$300,000	Trimble	112	8
WX21185022	Ballardsville Road - Hwy 22 Extension	3-5 Years	Not Funded	\$130,500	Oldham	113	12
WX21223006	Mitchell, Cedar Ridge Rd Ext.	3-5 Years	Not Funded	\$26,000	Trimble	114	9
WX21223009	Schoolhouse Rd Ext.	3-5 Years	Not Funded	\$22,400	Trimble	115	10
WX21103013	Kentucky River Loop	3-5 Years	Not Funded	\$480,000	Henry	116	17
WX21103033	Albert Moore Road Extension.	3-5 Years	Not Funded	\$80,000	Henry	117	18
WX21029256	Grigsby Road	11-20 Years	Not Funded	\$157,500	Bullitt	118	23
WX21111039	Distler Dr.	6-10 Years	Not Funded	\$31,800	Jefferson	119	24
WX21029254	Rummage Road	11-20 Years	Not Funded	\$450,000	Bullitt	120	24
WX21111075	Kaelin Drive	6-10 Years	Not Funded	\$8,825	Jefferson	121	25
WX21029238	Barricks Road Extension	6-10 Years	Not Funded	\$70,000	Bullitt	122	25
WX21103045	Martini Lane to Webb Lane Upgrade	3-5 Years	Not Funded	\$300,000	Henry	123	19
WX21111067	Hitt Lane	6-10 Years	Not Funded	\$129,200	Jefferson	124	26
WX21029233	Cloverwood Road	11-20 Years	Not Funded	\$25,000	Bullitt	125	26
WX21223005	Bob Green Rd Ext.	3-5 Years	Not Funded	\$19,400	Trimble	126	11
WX21223022	Highway 625-Mt. Pleasant	6-10 Years	Not Funded	\$55,000	Trimble	127	12
WX21029028	Cedar Creek Road	3-5 Years	Not Funded	\$63,250	Bullitt	128	27
WX21029206	Penn Run Road	6-10 Years	Not Funded	\$50,000	Bullitt	129	28
WX21029282	Water Main - Kings Hollow Road	3-5 Years	Not Funded	\$288,000	Bullitt	130	29
WX21111096	Murray Lane	6-10 Years	Not Funded	\$133,000	Jefferson	131	27
WX21111098	Old Blankenbaker Road	6-10 Years	Not Funded	\$12,000	Jefferson	132	28
WX21111099	Old Blankenbaker Road	6-10 Years	Not Funded	\$5,800	Jefferson	133	29
WX21111108	Overbrook Drive	6-10 Years	Not Funded	\$11,400	Jefferson	134	30
WX21029189	Vine Hill Road	11-20 Years	Not Funded	\$42,500	Bullitt	135	30
WX21211050	Stony Point Extension/Loop	3-5 Years	Not Funded	\$39,252	Shelby	136	17
WX21211063	Bohannon Farm Extension	11-20 Years	Not Funded	\$85,000	Shelby	137	18
WX21111052	Elda Drive	6-10 Years	Not Funded	\$174,000	Jefferson	138	31
WX21111106	Old Whipps Mill Road	6-10 Years	Not Funded	\$23,000	Jefferson	139	32
WX21111111	Plebe Court	6-10 Years	Not Funded	\$10,210	Jefferson	140	33
WX21111116	Rocky Lane	6-10 Years	Not Funded	\$66,400	Jefferson	141	34
WX21111126	Serendipity Lane	6-10 Years	Not Funded	\$16,600	Jefferson	142	35
WX21029151	Pitts Point South Supply	11-20 Years	Not Funded	\$227,500	Bullitt	143	31



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21029255	East Vaughn Road	11-20 Years	Not Funded	\$210,000	Bullitt	144	32
WX21111125	Seibel Court	6-10 Years	Not Funded	\$25,700	Jefferson	145	36
WX21111131	South Jackson Street	6-10 Years	Not Funded	\$11,410	Jefferson	146	37
WX21111135	Spotswood Lane	11-20 Years	Not Funded	\$57,800	Jefferson	147	38
WX21029113	Longview Drive	6-10 Years	Not Funded	\$22,500	Bullitt	148	33
WX21029278	Ritchie Lane	3-5 Years	Not Funded	\$148,000	Bullitt	149	34
WX21111137	Springdale Road	6-10 Years	Not Funded	\$192,800	Jefferson	150	39
WX21111127	Smith Road	6-10 Years	Not Funded	\$143,000	Jefferson	151	40
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	\$926,000	Bullitt	152	35
WX21111090	McCrea Lane	6-10 Years	Not Funded	\$9,500	Jefferson	153	41
WX21111105	Old Taylorsville Road	11-20 Years	Not Funded	\$17,600	Jefferson	154	42
WX21111150	Watterson Trail	6-10 Years	Not Funded	\$51,900	Jefferson	155	43
WX21111151	Watterson Trail	6-10 Years	Not Funded	\$80,000	Jefferson	156	44
WX21029269	South Valley View Drive	6-10 Years	Not Funded	\$86,400	Bullitt	157	36
WX21111091	Memorial Drive	6-10 Years	Not Funded	\$19,900	Jefferson	158	45
WX21111114	Powerhouse Lane	6-10 Years	Not Funded	\$23,575	Jefferson	159	46
WX21111128	Snawder Lane	6-10 Years	Not Funded	\$43,000	Jefferson	160	47
WX21111132	South Pope Lick Road	11-20 Years	Not Funded	\$206,500	Jefferson	161	48
WX21111142	Tindor Way	6-10 Years	Not Funded	\$55,000	Jefferson	162	49
WX21111153	Westport Road	6-10 Years	Not Funded	\$19,850	Jefferson	163	50
WX21185006	Oldham Co. Water District Wells Installation	3-5 Years	Not Funded	\$750,000	Oldham	164	13
WX21185032	Larger Main, Hwy 393 to Buckeye Lane	3-5 Years	Not Funded	\$1,050,000	Oldham	165	14
WX21185033	Water Main Along Hwy 53 South to the Shelby County Line	3-5 Years	Not Funded	\$358,000	Oldham	166	15
WX21029247	Log Cabin Lane	6-10 Years	Not Funded	\$70,000	Bullitt	167	37
WX21111118	Roosevelt Avenue	6-10 Years	Not Funded	\$19,750	Jefferson	168	51
WX21111119	Roosevelt Avenue	6-10 Years	Not Funded	\$4,295	Jefferson	169	52
WX21111140	Sylvania Road	6-10 Years	Not Funded	\$44,000	Jefferson	170	53
WX21215058	Hwy 248 Extension	3-5 Years	Not Funded	\$84,480	Spencer	171	17
WX21211064	Mink Run Extension	11-20 Years	Not Funded	\$7,500	Shelby	172	19
WX21215004	Elk Creek/Wilsonville Road Upgrade	6-10 Years	Not Funded	\$145,000	Spencer	173	18
WX21185002	North West Service Area Water Tank	6-10 Years	Not Funded	\$766,000	Oldham	174	16
WX21111175	Lead Service Renewals	3-5 Years	Not Funded	\$20,000,000	Jefferson	175	54
WX21111130	South Beckley Station Road	11-20 Years	Not Funded	\$30,755	Jefferson	176	55
WX21111164	Hardin County/FT Knox Transmission	3-5 Years	Partially Funded	\$19,492,000	Jefferson	177	56
WX21111152	Wendler Road	11-20 Years	Not Funded	\$139,750	Jefferson	178	57

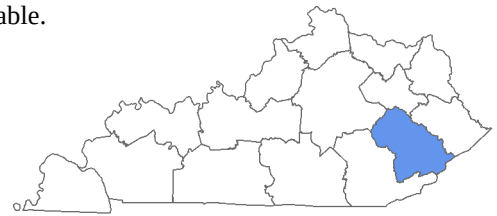


Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21111147	Vassar Avenue	6-10 Years	Not Funded	\$14,500	Jefferson	179	58
WX21111167	Belknap Campus Research Park	3-5 Years	Not Funded	\$917,000	Jefferson	180	59
WX21111177	Clean and Reline Crescent Hill Raw Water Reservoirs	3-5 Years	Not Funded	\$3,000,000	Jefferson	181	60
WX21029063	Greenwell Ford Road	3-5 Years	Not Funded	\$630,000	Bullitt	182	38
WX21111110	Pirtle Street	6-10 Years	Not Funded	\$12,500	Jefferson	183	61
WX21111136	Spring Drive	6-10 Years	Not Funded	\$30,575	Jefferson	184	62
WX21185010	Westport Well Field Acquisition	3-5 Years	Not Funded	\$1,000,000	Oldham	185	17
WX21185017	South Highway 1694 Extension	3-5 Years	Not Funded	\$390,000	Oldham	186	18
WX21029205	John Harper Highway	6-10 Years	Not Funded	\$360,000	Bullitt	187	39
WX21111115	Ridge Road	6-10 Years	Not Funded	\$37,900	Jefferson	188	63
WX21211087	Finchville Elevated Storage Tank & Booster Pump Station	0-2 Years	Not Funded	\$2,624,600	Shelby	189	20
WX21211053	Bellview Extension/Loop	3-5 Years	Not Funded	\$151,399	Shelby	190	21
WX21029291	Plenmar Drive 4-Inch Water Main Extension	0-2 Years	Not Funded	\$184,000	Bullitt	191	40
WX21111146	Valley View Road	6-10 Years	Not Funded	\$8,600	Jefferson	192	64
WX21211047	Harley Thompson Extension/Loop	3-5 Years	Not Funded	\$39,252	Shelby	193	22
WX21211085	Boat Dock Road Water System Extension	0-2 Years	Not Funded	\$68,500	Shelby	194	23
WX21111174	Interstate 265 Transmission Supply	3-5 Years	Not Funded	\$5,000,000	Jefferson	195	65
WX21111155	Wolf Run Road	11-20 Years	Not Funded	\$54,400	Jefferson	196	66
WX21111138	St. Paul's Church Road	6-10 Years	Not Funded	\$18,525	Jefferson	197	67
WX21111166	Water Main Replacement	3-5 Years	Not Funded	\$6,500,000	Jefferson	198	68
WX21211044	Catwalk Extension/Loop	3-5 Years	Not Funded	\$50,466	Shelby	199	24
WX21111178	Supply Potable Water to Unserved Customers In Jefferson, Bullitt, and Oldham County	6-10 Years	Not Funded	\$4,500,000	Jefferson	200	69
WX21185049	OCWD 20-Year Master Plan	3-5 Years	Not Funded	\$50,000	Oldham	201	19
WX21111188	Louisville Water Co Amr/Ami Program	6-10 Years	Not Funded	\$3,500,000	Jefferson	202	70
Total Cost:				\$210,037,057			

Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 90% serviceable.
- Projected 2020 population of 111,267 (change of -3,495).
- 2,595.34 miles of existing water lines.
- 233.00 miles of line extensions proposed in the next 10 years.
- 55.00 miles of line rehabilitation proposed in the next 10 years.
- 16.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$144,630,000.
- Estimated funding needs for projects from 6 to 10 years: \$8,196,414.
- Average age of structures: water treatment plants is 27 years; water tanks is 20 years.
- Total number of interconnected systems is 20.
- 45 miles of asbestos concrete pipe currently in use.
- 1,141 miles of water lines less than 15 years old.
- 951 miles of water lines between 15 and 30 years old.
- 444 miles of water lines between 31 and 50 years old.
- 40 miles of water lines between 51 and 70 years old.
- 0 miles of water lines greater than 70 years old.



Kentucky River Area Development District has a 2010 census population count of 114,762 (52,786 households) with a projected 2020 population count of 111,267 (45,823 households). Public water is currently available to approximately 90 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,055 serviceable households will be added through the construction of 233.00 miles of water line extensions and approximately 46,846 instances of improved service through the rehabilitation of 55.00 miles of existing water lines and other appurtenances. 16.00 miles of transmission lines are also proposed within this district.

County Summary for Kentucky River Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Breathitt	13,878	6,231	12,495	5,046	5,606	90%	\$ 24,998,506
Knott	16,346	7,461	15,635	6,332	7,082	95%	\$ 11,984,834
Lee	7,887	3,436	7,820	3,014	3,121	91%	\$ 1,614,421
Leslie	11,310	5,278	10,603	4,377	4,778	91%	\$ 8,836,000
Letcher	24,519	11,601	24,237	10,161	9,282	80%	\$ 76,666,342
Owsley	4,755	2,328	4,704	1,971	2,227	96%	\$ 8,486,616
Perry	28,712	12,791	28,137	11,637	11,928	93%	\$ 15,950,795
Wolfe	7,355	3,660	7,636	3,285	3,295	90%	\$ 4,288,900
Totals	114,762	52,786	111,267	45,823	47,319	90%	\$ 152,826,414

Community Drinking Water Systems in Kentucky River Area Development District County

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

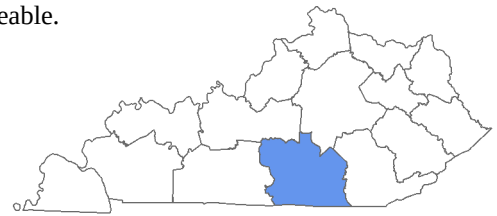
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0131012	Breathitt County Water District	Breathitt	7,393	3,267
KY0130208	Jackson Municipal Water Works	Breathitt	4,801	2,213
KY0600198	Hindman Water Department	Knott	2,938	1,416
KY0600062	Knott Co Water & Sewer District	Knott	11,761	5,304
KY0600129	Phoenix Place Water System	Knott	241	108
KY0650024	Beattyville Water Works	Lee	7,290	3,132
KY0660204	Hyden Leslie Co Water District	Leslie	10,296	4,788
KY0670279	Fleming-Neon Water Company	Letcher	3,081	1,535
KY0670213	Jenkins Water System	Letcher	2,612	1,244
KY0670462	Letcher County Water and Sewer District	Letcher	10,726	5,057
KY0670466	Whitesburg Water System	Letcher	3,203	1,482
KY0950036	Booneville Water and Sewer	Owsley	4,787	2,341
KY0970184	Hazard Water Department	Perry	23,235	10,384
KY0970484	Perry County Water & Sewer	Perry	3,019	1,324
KY0971007	Village of Buckhorn	Perry	985	419
KY1190061	Campton Water System	Wolfe	6,715	3,362
		Totals:	103,083	47,376

Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133035	Water Line Extensions for Federal Prison Facility at Roxanna	3-5 Years	Partially Funded	\$6,517,000	Letcher	1	1
WX21119024	Highway 80 Drone Port Water Project	3-5 Years	Not Funded	\$638,220	Knott	2	1
WX21131011	Phase III a Water System Improvements	3-5 Years	Not Funded	\$3,060,000	Leslie	3	1
WX21237014	Hazel Green 2017 Water Line Extension	3-5 Years	Not Funded	\$595,000	Wolfe	4	1
WX21129004	Beattyville - Bear Track Waterline Replacement	3-5 Years	Not Funded	\$612,000	Lee	5	1
WX21189010	Waterline Rehabilitation Phase I	3-5 Years	Not Funded	\$500,000	Owsley	6	1
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	\$1,994,812	Breathitt	7	1
WX21025008	Breathitt County Hwy 30 East and KY 542 Lambric Waterline Extensions	3-5 Years	Not Funded	\$2,328,000	Breathitt	8	2
WX21193040	KY RT 80/KY RT 476 Interconnect Project	3-5 Years	Not Funded	\$1,700,600	Perry	9	1
WX21237009	Spring Branch, Kelse Holland Fork And B. Potter Fork Water Line	0-2 Years	Not Funded	\$227,000	Wolfe	10	2
WX21237102	Campton Lake Dam Repair Project	0-2 Years	Over Funded	\$168,000	Wolfe	11	3
WX21189009	Booneville Pump Repairs Phase II	0-2 Years	Not Funded	\$154,016	Owsley	12	2
WX21131002	Phase III b Water System Improvements	3-5 Years	Partially Funded	\$4,621,000	Leslie	13	2
WX21133058	KY 805 Crossing, City Tank and Side Roads in Burdine Project	3-5 Years	Not Funded	\$1,537,000	Letcher	14	2
WX21189500	Booneville Radio Read Meter Project	3-5 Years	Not Funded	\$498,500	Owsley	15	3
WX21025054	KY 15 Waterline Extension	3-5 Years	Not Funded	\$1,868,500	Breathitt	16	3
WX21119011	Hindman Waterline Extensions	3-5 Years	Not Funded	\$1,130,000	Knott	17	2
WX21193041	Buckhorn Lodge Bore Project	0-2 Years	Not Funded	\$97,290	Perry	18	2
WX21131004	Phase IV Water System Improvements	3-5 Years	Not Funded	\$1,263,500	Leslie	19	3
WX21131006	Phase VI Water System Improvements	3-5 Years	Not Funded	\$655,000	Leslie	20	4
WX21133055	Waterline Replacement and Water Tank Rehab	3-5 Years	Not Funded	\$1,305,000	Letcher	21	5
WX21133038	Waterline Improvement Project Phase 3	3-5 Years	Not Funded	\$1,584,886	Letcher	22	6
WX21133037	Waterline Improvement Project Phase 2	3-5 Years	Not Funded	\$1,825,899	Letcher	23	7
WX21133034	Fleming-Neon Waterline Improvement Project - Phase I	3-5 Years	Not Funded	\$2,791,114	Letcher	24	8
WX21131009	SR 1850 Rye Cove Waterline Extension	3-5 Years	Not Funded	\$500,000	Leslie	25	5
WX21193034	Buckhorn Regional WTP and Transmission Line Project	3-5 Years	Not Funded	\$8,606,000	Perry	26	3
WX21193038	Perry County Radio Read Meter Project	0-2 Years	Fully Funded	\$25,225	Perry	27	4
WX21133056	Elkhorn Lake Improvements	3-5 Years	Not Funded	\$2,580,050	Letcher	28	3
WX21133057	Letcher County WTP Project	3-5 Years	Not Funded	\$7,000,000	Letcher	29	4
WX21133033	Whitesburg Water Treatment Plant Upgrade	3-5 Years	Not Funded	\$4,660,297	Letcher	30	9
WX21133100	Whitesburg - Water Storage Tank Replacement	3-5 Years	Not Funded	\$947,000	Letcher	31	10
Total Cost:				\$61,990,909			

Lake Cumberland Area Development District (LCADD)

- 2010 census population of 207,256 (101,129 households) with 95% serviceable.
- Projected 2020 population of 221,481 (change of 14,225).
- 5,611.95 miles of existing water lines.
- 166.00 miles of line extensions proposed in the next 10 years.
- 102.00 miles of line rehabilitation proposed in the next 10 years.
- 39.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$101,472,060.
- Estimated funding needs for projects from 6 to 10 years: \$10,466,108.
- Average age of structures: water treatment plants is 42 years; water tanks is 28 years.
- Total number of interconnected systems is 23.
- 56 miles of asbestos concrete pipe currently in use.
- 637 miles of water lines less than 15 years old.
- 2,719 miles of water lines between 15 and 30 years old.
- 2,040 miles of water lines between 31 and 50 years old.
- 138 miles of water lines between 51 and 70 years old.
- 168 miles of water lines greater than 70 years old.



Lake Cumberland Area Development District has a 2010 census population count of 207,256 (101,129 households) with a projected 2020 population count of 221,481 (92,378 households). Public water is currently available to approximately 95 percent of the district's households based on 2010 census counts. Over the next ten years approximately 404 serviceable households will be added through the construction of 166.00 miles of water line extensions and approximately 52,977 instances of improved service through the rehabilitation of 102.00 miles of existing water lines and other appurtenances. 39.00 miles of transmission lines are also proposed within this district.

County Summary for Lake Cumberland Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Adair	18,656	8,568	20,052	8,151	7,707	90%	\$ 11,274,105
Casey	15,955	7,487	16,433	6,791	7,359	98%	\$ 9,656,000
Clinton	10,272	5,311	10,896	4,755	5,261	99%	\$ 7,356,700
Cumberland	6,856	3,690	6,649	2,840	3,571	97%	\$ 1,240,000
Green	11,258	5,324	11,112	4,660	5,203	98%	\$ 11,723,620
McCreary	18,306	7,507	18,314	6,819	6,273	84%	\$ 13,628,310
Pulaski	63,063	31,443	71,036	29,901	30,536	97%	\$ 26,828,613
Russell	17,565	9,993	18,782	8,112	9,830	98%	\$ 3,321,885
Taylor	24,512	10,864	26,079	10,663	10,584	97%	\$ 21,490,235
Wayne	20,813	10,942	22,128	9,686	9,800	90%	\$ 5,418,700
Totals	207,256	101,129	221,481	92,378	96,124	95%	\$ 111,938,168

Community Drinking Water Systems in Lake Cumberland Area Development District County

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

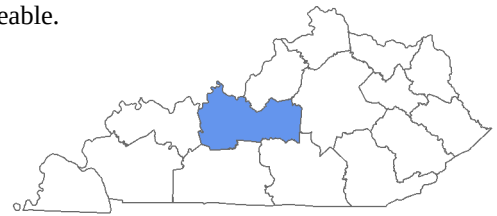
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0011016	Columbia/Adair Utilities District Water System	Adair	16,733	7,615
KY0230556	East Casey County Water District	Casey	12,169	5,796
KY0230987	Liberty Water & Gas	Casey	2,300	1,003
KY0270003	Albany Municipal Water & Sewer	Clinton	10,094	5,206
KY0290049	Burkesville Municipal Water Works	Cumberland	1,948	967
KY0290271	Cumberland County Water District	Cumberland	4,788	2,622
KY0440167	Green-Taylor Water District	Green	11,334	5,184
KY0440168	Greensburg Water Department	Green	2,283	1,138
KY0740276	McCreary County Water District	McCreary	14,877	6,267
KY1000043	Bronston Water Association	Pulaski	3,180	2,020
KY1000050	Burnside Municipal Water Works	Pulaski	1,388	800
KY1000124	Eubank Water System	Pulaski	10,015	4,410
KY1000362	Science Hill Water Works	Pulaski	4,823	2,088
KY1000403	Somerset Utilities	Pulaski	17,117	8,277
KY1000311	Southeastern Water Association	Pulaski	14,738	7,883
KY1000363	Western Pulaski County Water District	Pulaski	16,919	8,928
KY1000973	Woodson Bend Property Owners Association	Pulaski	124	338
KY1040210	Jamestown Utilities	Russell	7,402	4,219
KY1040377	Russell Springs Sewer & Water Works	Russell	9,431	4,895
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	21,052	9,373
KY1160291	Monticello Utility Commission	Wayne	17,516	8,643
		Totals:	200,231	97,672

Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21199128	Burnside Combined Waterline Improvements	0-2 Years	Not Funded	\$2,227,000	Pulaski	1	1
WX21217026	City of Campbellsville-24 Inch Raw Water Line (Intake to KY High	3-5 Years	Not Funded	\$4,570,000	Taylor	2	1
WX21147015	Stearns to Smithtown Phase 2 - Water Line Replacements	0-2 Years	Not Funded	\$2,202,600	McCreary	3	1
WX21087023	Green-Taylor Water District--Line Extensions to Improve Flow	0-2 Years	Not Funded	\$1,518,120	Green	4	1
WX21199002	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	3-5 Years	Not Funded	\$5,879,878	Pulaski	5	1
WX21147035	Marsh Creek to HWY 92	0-2 Years	Not Funded	\$1,444,710	McCreary	6	2
WX21199131	Valley Oak Industrial Park Water System Improvements	0-2 Years	Not Funded	\$1,148,000	Pulaski	7	2
WX21207025	Downtown Jamestown Waterline Replacement	3-5 Years	Fully Funded	\$1,000,000	Russell	8	1
WX21053015	Duvall Vallay Area Water System Improvements	3-5 Years	Not Funded	\$2,500,000	Clinton	9	1
WX21053004	Albany – Albany Bypass Water Transmission Main	3-5 Years	Not Funded	\$1,929,000	Clinton	10	2
WX21045005	Liberty – Moccasin Creek Water Supply Reservoir & Auxiliary Inta	3-5 Years	Not Funded	\$7,000,000	Casey	11	2
WX21045016	2018 System Upgrades	0-2 Years	Not Funded	\$1,537,000	Casey	12	1
WX21057018	Burkesville Interconnection (North Highway 61)	3-5 Years	Not Funded	\$185,000	Cumberland	13	1
WX21001030	CAUD - Water Main Around Southern Bypass and Telemetry	0-2 Years	Not Funded	\$867,410	Adair	14	2
WX21199127	KY 1247 Waterline Extension	0-2 Years	Not Funded	\$514,700	Pulaski	15	1
WX21217018	Campbellsville – Taylor County Scattered Sites – Phase 3	3-5 Years	Not Funded	\$2,074,615	Taylor	16	2
WX21217005	Campbellsville-Taylor County Industrial Park Extension	3-5 Years	Not Funded	\$500,000	Taylor	17	3
WX21207026	Jamestown Water Meter Replacement	0-2 Years	Not Funded	\$1,167,000	Russell	18	2
WX21001029	CAUD- Water Main Replacement	0-2 Years	Not Funded	\$1,342,530	Adair	19	1
WX21087024	Water Distribution System Improvements	3-5 Years	Not Funded	\$4,875,000	Green	20	1
WX21199129	2018 Water Line Replacements & Improvements Project	0-2 Years	Not Funded	\$680,000	Wayne	21	2
WX21147022	MCWD – New Pine Knot & Marshes Sidings Storage Tanks	3-5 Years	Not Funded	\$4,596,000	McCreary	22	3
WX21199115	Relocate Water Line from KY 501 Bridge at RR - Kings Mountain	3-5 Years	Not Funded	\$302,000	Pulaski	23	4
WX21199106	Water Meter Replacement Project	3-5 Years	Not Funded	\$357,000	Pulaski	24	3
WX21199095	Eubank – Water Line Replacement (West Ridge Rd.)	0-2 Years	Not Funded	\$273,800	Pulaski	25	2
Total Cost:				\$50,691,363			

Lincoln Trail Area Development District (LTADD)

- 2010 census population of 269,117 (116,687 households) with 96% serviceable.
- Projected 2020 population of 295,040 (change of 25,923).
- 5,146.29 miles of existing water lines.
- 389.00 miles of line extensions proposed in the next 10 years.
- 56.00 miles of line rehabilitation proposed in the next 10 years.
- 42.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$191,376,536.
- Estimated funding needs for projects from 6 to 10 years: \$290,400.
- Average age of structures: water treatment plants is 50 years; water tanks is 29 years.
- Total number of interconnected systems is 27.
- 101 miles of asbestos concrete pipe currently in use.
- 1,054 miles of water lines less than 15 years old.
- 1,045 miles of water lines between 15 and 30 years old.
- 921 miles of water lines between 31 and 50 years old.
- 1,559 miles of water lines between 51 and 70 years old.
- 49 miles of water lines greater than 70 years old.



Lincoln Trail Area Development District has a 2010 census population count of 269,117 (116,687 households) with a projected 2020 population count of 295,040 (117,392 households). Public water is currently available to approximately 96 percent of the district's households based on 2010 census counts. Over the next ten years approximately 2,425 serviceable households will be added through the construction of 389.00 miles of water line extensions and approximately 114,469 instances of improved service through the rehabilitation of 56.00 miles of existing water lines and other appurtenances. 42.00 miles of transmission lines are also proposed within this district.

County Summary for Lincoln Trail Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Breckinridge	20,059	10,630	21,489	8,788	8,438	79%	\$ 41,226,912
Grayson	25,746	13,561	27,048	11,007	13,416	99%	\$ 19,468,288
Hardin	105,543	43,261	116,612	46,055	42,646	99%	\$ 70,457,440
Larue	14,193	6,172	14,961	6,069	6,138	99%	\$ 14,005,148
Marion	19,820	8,182	21,424	8,332	8,088	99%	\$ 13,294,790
Meade	28,602	11,762	30,901	11,964	10,390	88%	\$ 14,104,858
Nelson	43,437	18,075	50,119	20,219	17,833	99%	\$ 12,989,500
Washington	11,717	5,044	12,486	4,958	4,944	98%	\$ 6,120,000
Totals	269,117	116,687	295,040	117,392	111,893	96%	\$ 191,666,936

Community Drinking Water Systems in Lincoln Trail Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0140079	Cloverport Water & Sewer System	Breckinridge	1,112	552
KY0140966	Hardinsburg Water Department	Breckinridge	12,469	7,008
KY0140206	Irvington Water System	Breckinridge	1,438	663
KY0430063	Caneyville Municipal Water Works	Grayson	1,667	816
KY0430616	Grayson County Water District	Grayson	14,093	6,991
KY0430244	Leitchfield Utilities	Grayson	6,713	2,966
KY0470990	Hardin Co. Water District No. 1 Fort Knox System	Hardin	10,069	2,948
KY0470175	Hardin County Water District #2	Hardin	66,757	28,086
KY0470393	Hardin County Water District No. 1	Hardin	26,885	11,487
KY0470440	Vine Grove Water Department	Hardin	4,305	1,806
KY0470455	West Point Water Department	Hardin	898	473
KY0620200	Hodgenville Water Works	Larue	4,045	1,746
KY0620237	Larue County Water District #1	Larue	9,060	3,864
KY0780241	Lebanon Water Works Co Inc	Marion	6,144	2,841
KY0780268	Marion County Water District	Marion	14,661	5,769
KY0820041	Brandenburg Water Works	Meade	3,330	1,424
KY0820369	Meade County Water District	Meade	15,924	6,184
KY0820481	Muldraugh Water Department	Meade	941	537
KY0900017	Bardstown Municipal Water Department	Nelson	25,493	10,789
KY0900031	Bloomfield Water & Sewer Department	Nelson	4,372	1,871
KY0900312	New Haven Municipal Water Works	Nelson	1,363	584
KY0900323	North Nelson Water District	Nelson	10,926	4,333
KY1150415	Springfield Water & Sewer Commission	Washington	10,414	4,499
		Totals:	253,079	108,237

Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21163016	Phase VIII Water System Improvements/ Meade Co. Water District	3-5 Years	Not Funded	\$2,000,000	Meade	1	2
WX21027053	Harned Pump Station Replacement	3-5 Years	Not Funded	\$760,280	Breckinridge	2	1
WX21093045	Hardin North South Connector Section 2	3-5 Years	Not Funded	\$1,430,000	Hardin	3	1
WX21085035	Caneyville Water System Rehab	0-2 Years	Not Funded	\$1,550,250	Grayson	4	1
WX21229012	Beech Fork Raw Water Intake	3-5 Years	Not Funded	\$500,000	Washington	5	1
WX21027046	Cloverport Service Line Replacement & Extension	3-5 Years	Not Funded	\$430,810	Breckinridge	6	2
WX21179014	Bloomfield Water System Improvements	3-5 Years	Not Funded	\$800,000	Nelson	7	1
WX21163007	Brandenburg Old State Road Replacement	3-5 Years	Not Funded	\$300,000	Meade	8	1
WX21123025	LaRue Co. W.D. - Hwy 84 Pump Station & Improvements	0-2 Years	Not Funded	\$3,800,000	Larue	9	1
WX21027008	Rehabilitation of Irvington Water System	3-5 Years	Not Funded	\$1,004,055	Breckinridge	10	3
WX21163023	Muldraugh Finished Water Connection	3-5 Years	Not Funded	\$455,000	Meade	11	3
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	\$4,000,000	Hardin	12	2
WX21123027	Hodgenville WTP Tube Settler Replacement	0-2 Years	Not Funded	\$202,500	Larue	13	2
WX21027028	City of Hardinsburg - Extension Area A	0-2 Years	Not Funded	\$1,379,590	Breckinridge	14	4
WX21155035	Marion County Water District Telemetry Project	0-2 Years	Not Funded	\$265,200	Marion	15	4
WX21155022	Marion County Water District 2018 System Improvements	3-5 Years	Fully Funded	\$950,000	Marion	16	1
WX21027029	City of Hardinsburg - Extension Area B	3-5 Years	Not Funded	\$1,315,980	Breckinridge	17	5
WX21093019	Back Up Generator for Elizabethtown WTP	3-5 Years	Not Funded	\$250,000	Hardin	18	5
WX21123020	Hodgenville Smith Plaza Tower Replacement/Upgrade	3-5 Years	Not Funded	\$300,000	Larue	19	4
WX21229009	Springfield Danville Interconnect	0-2 Years	Not Funded	\$330,000	Washington	20	3
WX21093009	HCWD #2 New Elevated Tank	3-5 Years	Not Funded	\$3,000,000	Hardin	21	3
WX21155044	Lebanon Main Replacement Project	0-2 Years	Not Funded	\$3,249,140	Marion	22	2
WX21229005	City of Springfield Waterline Replacement/Upgrade	3-5 Years	Not Funded	\$1,000,000	Washington	23	2
WX21085032	Caneyville Meter Replacement / Upgrade Project	0-2 Years	Not Funded	\$233,000	Grayson	24	2
WX21179024	New Haven Downtown Waterline Replacement	3-5 Years	Not Funded	\$250,000	Nelson	25	2
WX21179009	North Nelson KY 48 / Murrays Run & Samuels Upgrade	0-2 Years	Not Funded	\$398,100	Nelson	26	4
WX21123021	Hodgenville Shepherdsville Road Line Extension Project	3-5 Years	Not Funded	\$250,000	Larue	27	5
WX21093034	HCWD#2 Cecilia Pump Station Emergency Power	3-5 Years	Not Funded	\$500,000	Hardin	28	4
WX21229010	Springfield - Willisburg Lake Improvements	3-5 Years	Not Funded	\$1,500,000	Washington	29	4
WX21155043	Lebanon Water Works System Improvements	0-2 Years	Fully Funded	\$2,641,680	Marion	30	3
WX21179015	Bloomfield Water Line Extensions and Telemetry	3-5 Years	Not Funded	\$675,000	Nelson	31	3
WX21085007	City of Leitchfield-Water Tower	3-5 Years	Not Funded	\$1,325,000	Grayson	32	4
WX21093035	West Point- South Dixie Water Tower	3-5 Years	Not Funded	\$925,000	Hardin	33	
WX21155037	Marion County Water District Highway 49N Phase II	3-5 Years	Not Funded	\$350,000	Marion	34	5
WX21179010	North Nelson Hwy 245 Replacement	3-5 Years	Not Funded	\$450,500	Nelson	35	5
WX21085024	City of Caneyville- Tank Mixing Upgrade	3-5 Years	Not Funded	\$250,000	Grayson	36	5

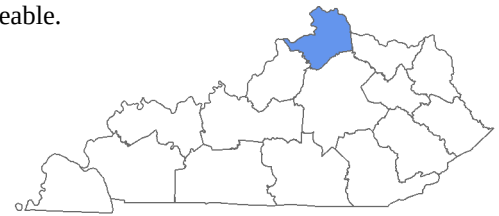


Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	\$348,468	Grayson	37	4
WX21229006	Springfield New Raw Water Pump	3-5 Years	Not Funded	\$750,000	Washington	37	5
WX21155023	Lebanon Water Works Co. Calvary Rd Waterline Replacement	3-5 Years	Not Funded	\$1,200,000	Marion	38	
WX21027020	City of Hardinsburg Henning Booster Station Parallel Line	0-2 Years	Not Funded	\$309,420	Breckinridge	39	
WX21179027	City of New Haven - New SCADA (Telemetry System)	3-5 Years	Not Funded	\$90,500	Nelson	40	
WX21179030	Bardstown WTP Improvements	0-2 Years	Over Funded	\$1,129,000	Nelson	41	
WX21155036	Marion County Water District Lebanon Bypass Elevated Tank	3-5 Years	Not Funded	\$2,055,000	Marion	42	
WX21155034	Marion Co. Water District Tank Improvements Phase II	6-10 Years	Not Funded	\$290,400	Marion	43	
WX21229013	SWSC / Marion Co. W.D. Interconnection	3-5 Years	Not Funded	\$1,000,000	Washington	44	
WX21229008	Springfield Water Supply Study	0-2 Years	Not Funded	\$100,000	Washington	45	
WX21027009	Rehabilitation of Water Storage Tank In Cloverport	3-5 Years	Not Funded	\$262,990	Breckinridge	46	
WX21085022	Edmonson County Water District Wax Extensions	3-5 Years	Not Funded	\$348,468	Grayson	47	
WX21093027	Hardin County Water District #1, Vulnerability and Protection Measures	0-2 Years	Not Funded	\$120,000	Hardin	48	
WX21155042	Marion County Loretto Water Improvements	0-2 Years	Not Funded	\$2,618,500	Marion	49	
WX21027019	City of Hardinsburg: JM Mercer Campsite Rd Water Line Extension	0-2 Years	Not Funded	\$151,800	Breckinridge	50	
WX21093047	Battle Training Pump Station	3-5 Years	Not Funded	\$1,900,000	Hardin	51	
WX21093048	Hardin County Extensions & Pirtle Spring Filter Project	3-5 Years	Not Funded	\$3,223,550	Hardin	52	
WX21027051	Hardinsburg WTP Well No. 4	3-5 Years	Not Funded	\$529,800	Breckinridge	53	
WX21027030	City of Hardinsburg - Extension Area C	3-5 Years	Not Funded	\$1,299,020	Breckinridge	54	
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	\$1,249,240	Breckinridge	55	
WX21179026	City of New Haven - East Center St. Waterline & Hydrant Replacement	3-5 Years	Not Funded	\$247,000	Nelson	56	
WX21179032	Decatur and Goodloe Main Replacements	3-5 Years	Not Funded	\$88,900	Nelson	57	
WX21179033	New Haven Water Tank Replacement	3-5 Years	Not Funded	\$570,000	Nelson	58	
WX21093018	HCWD No. 2, 2020 Project Phase VI	3-5 Years	Not Funded	\$4,800,000	Hardin	59	
WX21085023	Grayson Co. Water District - Tank Mixing Upgrades	3-5 Years	Not Funded	\$250,000	Grayson	60	3
WX21155032	Marion Co. Water District McElroy Phase 3	3-5 Years	Not Funded	\$269,900	Marion	61	
WX21179025	City of New Haven - Main St. & Ridgeview Dr. Replacement	3-5 Years	Not Funded	\$226,000	Nelson	62	
WX21179028	City of New Haven Hydrant & Gate Valve Replacement	0-2 Years	Not Funded	\$156,000	Nelson	63	
WX21179016	City of Bloomfield Water Storage Tank	3-5 Years	Not Funded	\$1,250,000	Nelson	64	
WX21085036	GCWD East / West Interconnection Improvements 1	3-5 Years	Not Funded	\$735,800	Grayson	65	
Total Cost:				\$66,590,841			

Northern Kentucky Area Development District (NKADD)

- 2010 census population of 438,647 (185,049 households) with 97% serviceable.
- Projected 2020 population of 488,377 (change of 49,730).
- 3,582.76 miles of existing water lines.
- 453.00 miles of line extensions proposed in the next 10 years.
- 46.00 miles of line rehabilitation proposed in the next 10 years.
- 4.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$212,954,602.
- Estimated funding needs for projects from 6 to 10 years: \$37,174,144.
- Average age of structures: water treatment plants is 38 years; water tanks is 13 years.
- Total number of interconnected systems is 24.
- 45 miles of asbestos concrete pipe currently in use.
- 419 miles of water lines less than 15 years old.
- 974 miles of water lines between 15 and 30 years old.
- 1,598 miles of water lines between 31 and 50 years old.
- 286 miles of water lines between 51 and 70 years old.
- 271 miles of water lines greater than 70 years old.



Northern Kentucky Area Development District has a 2010 census population count of 438,647 (185,049 households) with a projected 2020 population count of 488,377 (194,345 households). Public water is currently available to approximately 97 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,040 serviceable households will be added through the construction of 453.00 miles of water line extensions and approximately 268,112 instances of improved service through the rehabilitation of 46.00 miles of existing water lines and other appurtenances. 4.00 miles of transmission lines are also proposed within this district.

County Summary for Northern Kentucky Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Boone	118,811	46,154	153,933	59,951	44,336	96%	\$ 35,770,430
Campbell	90,336	39,523	91,642	37,713	38,588	98%	\$ 54,783,189
Carroll	10,811	4,696	11,440	4,408	4,619	98%	\$ 5,852,124
Gallatin	8,589	3,786	9,264	3,592	3,726	98%	\$ 661,500
Grant	24,662	9,942	26,917	9,870	9,802	99%	\$ 63,234,663
Kenton	159,720	68,975	168,458	68,111	67,766	98%	\$ 52,123,813
Owen	10,841	5,634	11,336	4,713	4,851	86%	\$ 13,893,318
Pendleton	14,877	6,339	15,387	5,987	5,821	92%	\$ 23,809,709
Totals	438,647	185,049	488,377	194,345	179,509	97%	\$ 250,128,746

Community Drinking Water Systems in Northern Kentucky Area Development District County

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

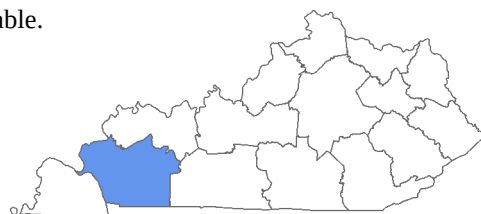
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0080034	Boone County Water District	Boone	75,972	27,865
KY0081013	Boone-Florence Water Commission	Boone	91	57
KY0080135	Florence Water & Sewer Commission	Boone	30,728	13,437
KY0080442	Walton Waterworks Department	Boone	3,887	1,550
KY0210066	Carroll County Water District #1	Carroll	5,934	2,866
KY0210067	Carrollton Utilities	Carroll	4,695	1,999
KY0210008	West Carroll Water District - Carrollton	Carroll	2,376	1,048
KY0210637	West Carroll Water District - Milton	Carroll	95	50
KY0390130	Gallatin County Water District	Gallatin	5,327	2,241
KY0390444	Warsaw Water Works	Gallatin	1,988	948
KY0410047	Bullock Pen Water District	Grant	19,245	7,407
KY0410662	Corinth Water District	Grant	2,964	1,309
KY0410107	Dry Ridge Water Works Commission	Grant	2,041	813
KY0410472	Williamstown Municipal Water Department	Grant	4,620	1,978
KY0590220	Northern Kentucky Water District	Kenton	242,911	105,610
KY0960051	Butler Water Works	Pendleton	617	284
KY0960112	East Pendleton Water District	Pendleton	5,121	2,175
KY0960126	Falmouth Water Department	Pendleton	2,568	1,179
KY0960348	Pendleton County Water District #1 North	Pendleton	4,824	1,965
KY0960499	Pendleton County Water District #1 South	Pendleton	1,387	569
		Totals:	417,391	175,350

Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21117210	Taylor Mill Treatment Plant Emergency Generator	0-2 Years	Not Funded	\$9,450,000	Kenton	1	1
WX21015409	BCWD/Boone County Rural Water Project - Phase C (Eastbend, Waterloo,McVille)	3-5 Years	Not Funded	\$2,909,500	Boone	2	1
WX21041003	500K Carroll and Gallatin County Hwy. 42 Elevated Industrial Tan	0-2 Years	Not Funded	\$1,706,000	Carroll	3	1
WX21191003	Water Storage Reservoir Repair and Roof Replacement	0-2 Years	Not Funded	\$548,709	Pendleton	4	1
WX21037311	NKWD - Newport/Bellevue/Dayton Water Main Replacement Project	0-2 Years	Not Funded	\$5,915,000	Campbell	5	2
WX21015301	Boone-Florence Water Commission - Northwest Water Storage Tank	0-2 Years	Not Funded	\$5,000,000	Boone	6	2
WX21041006	MainS - Materials and Infrastructure Size Replacement Project	0-2 Years	Not Funded	\$2,161,266	Carroll	7	2
WX21117212	NKWD - Covington Water Main Replacement Project	0-2 Years	Not Funded	\$6,500,000	Kenton	8	20
WX21191006	Ivor Road Waterline Extension	0-2 Years	Not Funded	\$336,600	Pendleton	9	2
WX21037310	NKWD - Campbell County Unserved and Underserved Project 2012 - Subdistrict J	0-2 Years	Not Funded	\$6,378,135	Campbell	10	3
WX21117303	NKWD - Kenton County Unserved Water Project 2013 (Subdistrict O)	0-2 Years	Not Funded	\$4,926,768	Kenton	11	30
WX21015411	BCWD/Boone County Rural Water Project - Phase E Belleview RdPetersburg)	3-5 Years	Not Funded	\$2,226,320	Boone	12	3
WX21041007	Hardy Creek Extension	0-2 Years	Not Funded	\$131,142	Carroll	13	3
Total Cost:				\$48,189,440			

Pennyriple Area Development District (PEADD)

- 2010 census population of 219,305 (97,910 households) with 96% serviceable.
- Projected 2020 population of 226,580 (change of 7,275).
- 5,268.10 miles of existing water lines.
- 172.00 miles of line extensions proposed in the next 10 years.
- 124.00 miles of line rehabilitation proposed in the next 10 years.
- 11.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$230,190,107.
- Estimated funding needs for projects from 6 to 10 years: \$18,427,372.
- Average age of structures: water treatment plants is 46 years; water tanks is 31 years.
- Total number of interconnected systems is 56.
- 849 miles of asbestos concrete pipe currently in use.
- 754 miles of water lines less than 15 years old.
- 478 miles of water lines between 15 and 30 years old.
- 1,623 miles of water lines between 31 and 50 years old.
- 1,962 miles of water lines between 51 and 70 years old.
- 529 miles of water lines greater than 70 years old.



Pennyriple Area Development District has a 2010 census population count of 219,305 (97,910 households) with a projected 2020 population count of 226,580 (89,133 households). Public water is currently available to approximately 96 percent of the district's households based on 2010 census counts. Over the next ten years approximately 3,674 serviceable households will be added through the construction of 172.00 miles of water line extensions and approximately 101,948 instances of improved service through the rehabilitation of 124.00 miles of existing water lines and other appurtenances. 11.00 miles of transmission lines are also proposed within this district.

County Summary for Pennyriple Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Caldwell	12,984	6,292	12,948	5,518	6,222	99%	\$ 12,045,299
Christian	73,955	29,459	77,840	28,340	26,632	90%	\$ 57,776,590
Crittenden	9,315	4,569	9,156	3,775	4,336	95%	\$ 3,010,000
Hopkins	46,920	21,180	48,007	19,684	20,780	98%	\$ 16,411,717
Livingston	9,519	4,824	9,438	4,074	4,654	97%	\$ 5,636,925
Lyon	8,314	4,791	8,523	3,430	4,704	98%	\$ 5,984,415
Muhlenberg	31,499	13,699	31,466	12,337	13,415	98%	\$ 18,159,632
Todd	12,460	5,286	12,958	4,989	5,163	98%	\$ 114,197,000
Trigg	14,339	7,810	16,244	6,986	7,646	98%	\$ 15,395,901
Totals	219,305	97,910	226,580	89,133	93,552	96%	\$ 248,617,479

Community Drinking Water Systems in Pennyrile Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0170528	Caldwell County Water District	Caldwell	5,104	2,446
KY0170146	Fredonia Water Department	Caldwell	712	328
KY0170360	Princeton Water & Wastewater Commission	Caldwell	7,005	3,441
KY0240521	Christian County Water District	Christian	15,759	6,640
KY0240201	Hopkinsville Water Environment Authority	Christian	36,222	16,439
KY0240329	Oak Grove Water Department	Christian	8,050	3,556
KY0280267	Marion Water Department	Crittenden	3,048	1,496
KY0540958	Dawson Springs Water & Sewer System	Hopkins	2,647	1,255
KY0540108	Earlington Water & Sewer Department	Hopkins	1,459	731
KY0540656	Hanson Water System	Hopkins	1,159	456
KY0540936	Madisonville Municipal Utilities	Hopkins	21,918	10,224
KY0540269	Mortons Gap Water Department	Hopkins	862	399
KY0540977	Nebo Water District	Hopkins	3,771	1,550
KY0540138	North Hopkins Water District	Hopkins	3,110	1,311
KY0540328	Nortonville Water Department	Hopkins	2,130	912
KY0540406	South Hopkins Water District	Hopkins	7,144	3,215
KY0540465	White Plains Water Department	Hopkins	1,600	690
KY0700532	Crittenden-Livingston County Water District	Livingston	9,022	4,505
KY0700162	Grand Rivers Water System	Livingston	2,008	1,159
KY0700243	Ledbetter Water District	Livingston	2,729	1,211
KY0700380	Salem Municipal Water System	Livingston	749	359
KY0700401	Smithland Water & Sewer System	Livingston	495	261
KY0720113	Eddyville Water Department	Lyon	2,935	1,126
KY0720227	Kuttawa Water Department	Lyon	770	410
KY0720933	Lyon County Water District	Lyon	4,039	2,944
KY0890071	Central City Municipal Water & Sewer System	Muhlenberg	4,957	2,288
KY0890106	Drakesboro Water & Sewer	Muhlenberg	693	321
KY0890170	Greenville Utilities Commission	Muhlenberg	4,787	2,155
KY0890302	Muhlenberg County Water District #1	Muhlenberg	14,060	6,179
KY0890304	Muhlenberg County Water District #3	Muhlenberg	4,947	2,217
KY1100121	Elkton Utilities	Todd	2,155	949
KY1100171	Guthrie Water Works	Todd	1,448	654
KY1100944	Todd County Water District	Todd	8,797	3,946
KY1100428	Trenton Water Works	Todd	589	272
KY1110019	Barkley Lake Water District	Trigg	10,196	5,911
KY1110054	Cadiz Water & Sewer Commission	Trigg	4,028	1,854
		Totals:	201,104	93,810



Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21107050	Mortons Gap Water System Improvement Project	0-2 Years	Not Funded	\$1,670,000	Hopkins	1	1
WX21219036	LTRWC - Filter Addition, Plant & Meter Station Renovation Project	0-2 Years	Not Funded	\$3,000,000	Todd	2	1
WX21143017	LCWD - Water System and Storage Tank Improvements Project	0-2 Years	Not Funded	\$2,094,675	Lyon	3	1
WX21221016	McUpton Pump Station Replacement	0-2 Years	Not Funded	\$850,000	Trigg	4	1
WX21107053	Grapevine Tank Replacement and Line Upgrades	0-2 Years	Not Funded	\$1,531,641	Hopkins	5	2
WX21033021	Princeton - Water Line Improvements	0-2 Years	Not Funded	\$1,426,000	Caldwell	6	1
WX21139027	Salem - Water Main Replacement Project	0-2 Years	Not Funded	\$580,925	Livingston	7	1
WX21219033	Elkton - Water System Rehabilitation and Upgrade project	3-5 Years	Not Funded	\$170,000	Todd	8	2
WX21177040	Broad Street Area Utility Upgrade Project - Phase 2A & 2B Water	0-2 Years	Not Funded	\$297,000	Muhlenberg	9	1
WX21047035	Christian County Water District - Waterline Replacement & Extension	3-5 Years	Not Funded	\$3,818,000	Christian	10	1
WX21107054	Nebo Tank Rehabilitation and AMR Project	0-2 Years	Not Funded	\$590,000	Hopkins	11	3
WX21219032	Logan/Todd - 12" Waterline Upgrade (Elkton to Allender's Hill)	3-5 Years	Not Funded	\$1,300,000	Todd	12	3
WX21139028	Grand Rivers - Waterline Replacement & Upgrades	0-2 Years	Not Funded	\$105,000	Livingston	13	2
WX21107055	Hanson - Line Upgrades & Valve Installation Project	0-2 Years	Not Funded	\$262,500	Hopkins	14	4
WX21177041	Drakesboro - AMR Project	0-2 Years	Not Funded	\$210,000	Muhlenberg	15	2
WX21047036	Christian County Water District Princeton Road Tank & System Upgrade	3-5 Years	Not Funded	\$1,750,000	Christian	16	2
WX21221009	Cadiz - IGA Water Tank Replacement	3-5 Years	Not Funded	\$957,000	Trigg	17	2
WX21055014	Marion - Clearwell Rehabilitation Project	3-5 Years	Not Funded	\$260,000	Crittenden	18	1
WX21107044	White Plains - Red Hill Road Ph. III Christian County Interconnect	3-5 Years	Fully Funded	\$155,000	Hopkins	19	5
WX21047019	Oak Grove - Hugh Hunter Road Waterline Replacement	0-2 Years	Not Funded	\$865,000	Christian	20	3
WX21139013	Grand Rivers - Waterline Replacement Project	3-5 Years	Not Funded	\$850,000	Livingston	21	3
WX21221014	Barkley Lake Water District - Sludge Storage Lagoon Improvements	3-5 Years	Not Funded	\$349,901	Trigg	22	3
WX21143018	Kuttawa - New Water Treatment Plant Project	3-5 Years	Not Funded	\$550,000	Lyon	23	2
WX21047027	HWEA - Crofton Water Line Replacement	0-2 Years	Not Funded	\$4,060,995	Christian	24	4
WX21033016	Caldwell County WD - Pump Station Upgrades	6-10 Years	Not Funded	\$2,252,372	Caldwell	25	2
WX21221013	Cadiz - Line Rehabilitation - Will Jackson Road Hwy 778	3-5 Years	Not Funded	\$962,500	Trigg	26	4
WX21055015	Marion - Tank Rehabilitation Project	3-5 Years	Not Funded	\$680,000	Crittenden	27	2
WX21047004	HWEA - Crofton Water Main Extension Project	0-2 Years	Not Funded	\$6,165,541	Christian	28	5
WX21221008	Barkley Lake Water District - Water Line Extension	3-5 Years	Not Funded	\$3,850,000	Trigg	29	5
WX21177025	Muhlenberg County Water District #1 - Tank Rehabilitation Project	3-5 Years	Partially Funded	\$922,885	Muhlenberg	30	3
WX21143012	City of Eddyville - Automated Meter Reading	3-5 Years	Not Funded	\$260,000	Lyon	31	3
WX21033011	Caldwell County Water District - Radio Read Meters	3-5 Years	Not Funded	\$725,000	Caldwell	32	3
WX21143011	City of Kuttawa - I-24 Water Storage Tank	3-5 Years	Not Funded	\$700,000	Lyon	33	4
WX21055011	CLWD - Line Extensions (Crittenden)	3-5 Years	Not Funded	\$975,000	Crittenden	34	3
WX21107008	Madisonville Noel Av Line Replacement	3-5 Years	Not Funded	\$587,600	Hopkins	35	6

Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21033012	Caldwell County Water District - Rd Debt Reduction	3-5 Years	Not Funded	\$500,000	Caldwell	36	4
WX21139029	Ledbetter - Debt Reduction Project	3-5 Years	Not Funded	\$1,000,000	Livingston	37	4
WX21219014	Trenton - Water System Improvements	3-5 Years	Not Funded	\$400,000	Todd	38	4
WX21143015	Eddyville - New Clear Well Project	0-2 Years	Not Funded	\$42,000	Lyon	39	5
WX21033018	Princeton - Tank Rehabilitation	3-5 Years	Not Funded	\$300,000	Caldwell	40	5
WX21177023	Muhlenberg County Water District #1 - System Rehabilitation	3-5 Years	Not Funded	\$584,397	Muhlenberg	41	4
WX21143016	Eddyville - Water Treatment Plant Rehabilitation Project	0-2 Years	Not Funded	\$78,750	Lyon	42	6
WX21219024	Elkton - Water Storage Tank Improvements	3-5 Years	Not Funded	\$200,000	Todd	43	5
WX21139018	Grand Rivers - Newbern Road Water Line Extension	3-5 Years	Not Funded	\$175,000	Livingston	44	5
WX21139024	Ledbetter - Radio Read Meters	3-5 Years	Not Funded	\$204,795	Livingston	45	6
WX21033013	Caldwell County Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$100,000	Caldwell	46	6
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$643,500	Trigg	47	6
WX21055013	Marion - Sludge Basin Rehabilitation	3-5 Years	Not Funded	\$375,000	Crittenden	48	4
WX21143013	City of Kuttawa - Automated Meter Reading System	3-5 Years	Not Funded	\$150,000	Lyon	49	7
WX21033017	Fredonia - Tank Rehabilitation	3-5 Years	Not Funded	\$200,000	Caldwell	50	7
WX21107009	Madisonville Dozier Heights Waterline Replacement	3-5 Years	Not Funded	\$354,413	Hopkins	51	7
WX21047003	HWEA Hopkinsville Water Main Extension Project	3-5 Years	Not Funded	\$8,163,337	Christian	52	6
WX21055010	Marion - Emergency Standby Generators	3-5 Years	Not Funded	\$500,000	Crittenden	53	5
WX21107031	Dawson Springs - Emergency Standby Generators	3-5 Years	Not Funded	\$438,099	Hopkins	54	8
WX21219023	Logan-Todd Rwc/Guthrie - Clarksville, Tn Interconnection	6-10 Years	Not Funded	\$13,000,000	Todd	55	6
WX21107033	South Hopkins Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$566,989	Hopkins	56	9
WX21047029	HWEA - Hopkinsville Industrial Foundation Commerce Park West Loop	3-5 Years	Not Funded	\$210,000	Christian	57	7
WX21139025	CLWD - Line Extensions (Livingston)	3-5 Years	Not Funded	\$565,000	Livingston	58	7
WX21143004	Lyon County Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$100,000	Lyon	59	8
WX21047002	HWEA - Crofton 750K Tank & Water Main Replacement	0-2 Years	Not Funded	\$2,545,000	Christian	60	8
WX21143005	Kuttawa - Emergency Standby Generators	3-5 Years	Not Funded	\$100,000	Lyon	61	9
WX21047032	HWEA Water Meter Replacement and AMR	0-2 Years	Not Funded	\$6,000,000	Christian	62	9
WX21107021	White Plains - US 62/Concord Ch. Rd. - MG Int. (P2)	6-10 Years	Not Funded	\$210,000	Hopkins	63	10
WX21107029	White Plains - Concord Tank & Pump Station	3-5 Years	Not Funded	\$770,000	Hopkins	64	11
WX21139023	Ledbetter - Paris Rd Main Extension	3-5 Years	Not Funded	\$150,000	Livingston	65	8
WX21139022	Ledbetter - Holland Road Main Extension	3-5 Years	Not Funded	\$300,000	Livingston	66	9
WX21139030	CLWD - Water Tank Rehabilitation Project	3-5 Years	Not Funded	\$2,050,000	Livingston	67	10
WX21177042	Drakesboro - Broad St. Tank Rehab	0-2 Years	Not Funded	\$157,500	Muhlenberg	68	5
WX21107051	Earlington Water Meter Replacement Project	0-2 Years	Not Funded	\$31,500	Hopkins	69	12
Total Cost:				\$86,949,815			



Purchase Area Development District (PUADD)

- 2010 census population of 196,393 (93,709 households) with 79% serviceable.
- Projected 2020 population of 201,697 (change of 5,304).
- 2,201.66 miles of existing water lines.
- 19.00 miles of line extensions proposed in the next 10 years.
- 482.00 miles of line rehabilitation proposed in the next 10 years.
- 15.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$119,518,502.
- Estimated funding needs for projects from 6 to 10 years: \$7,326,440.
- Average age of structures: water treatment plants is 38 years; water tanks is 42 years.
- Total number of interconnected systems is 20.
- 651 miles of asbestos concrete pipe currently in use.
- 179 miles of water lines less than 15 years old.
- 209 miles of water lines between 15 and 30 years old.
- 588 miles of water lines between 31 and 50 years old.
- 826 miles of water lines between 51 and 70 years old.
- 396 miles of water lines greater than 70 years old.



Purchase Area Development District has a 2010 census population count of 196,393 (93,709 households) with a projected 2020 population count of 201,697 (86,121 households). Public water is currently available to approximately 79 percent of the district's households based on 2010 census counts. Over the next ten years approximately 14,612 serviceable households will be added through the construction of 19.00 miles of water line extensions and approximately 72,803 instances of improved service through the rehabilitation of 482.00 miles of existing water lines and other appurtenances. 15.00 miles of transmission lines are also proposed within this district.

County Summary for Purchase Area Development District

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Ballard	8,249	3,885	8,217	3,484	1,867	48%	\$ 2,465,050
Calloway	37,191	18,065	40,411	17,019	12,198	68%	\$ 9,866,225
Carlisle	5,104	2,441	4,947	2,093	971	40%	\$ 11,889,978
Fulton	6,813	3,372	6,223	2,728	2,956	88%	\$ 2,598,523
Graves	37,121	16,777	37,630	15,459	11,563	69%	\$ 24,615,417
Hickman	4,902	2,342	4,625	1,938	905	39%	\$ 410,176
McCracken	65,565	31,079	66,621	29,278	29,492	95%	\$ 35,576,180
Marshall	31,448	15,748	33,023	14,122	14,278	91%	\$ 39,423,393
Totals	196,393	93,709	201,697	86,121	74,230	79%	\$ 126,844,942

Community Drinking Water Systems in Purchase Area Development District County

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

PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0040020	Barlow Water System	Ballard	742	386
KY0040223	Kevil Water Department	Ballard	1,424	676
KY0040228	LaCenter Municipal Water Company	Ballard	1,068	501
KY0040469	Wickliffe Municipal Water System	Ballard	1,001	466
KY0180509	Center Ridge #2	Calloway	116	119
KY0180502	Center Ridge #3	Calloway	87	59
KY0180549	Center Ridge Water District	Calloway	36	54
KY0180102	Dexter Almo Heights Water District	Calloway	2,130	922
KY0180308	Murray Water District #2	Calloway	730	334
KY0180306	Murray Water System	Calloway	21,763	10,301
KY0180185	South 641 Water District	Calloway	725	359
KY0180914	Stella Trailer Park	Calloway	45	23
KY0200009	Arlington Water Department	Carlisle	387	197
KY0200018	Bardwell City Utilities	Carlisle	807	434
KY0200095	Cunningham Water District	Carlisle	330	158
KY0200284	Milburn Water District	Carlisle	311	144
KY0380149	Fulton Municipal Water System	Fulton	3,283	1,764
KY0380193	Hickman Water Department	Fulton	2,868	1,299
KY0420084	Graves County Water District (Consumers)	Graves	4,924	2,152
KY0420027	Graves County Water District (Fancy Farm)	Graves	1,233	537
KY0420172	Graves County Water District (Hardeman)	Graves	888	410
KY0420194	Graves County Water District (Hickory)	Graves	3,396	1,551
KY0420534	Graves County Water District (Sedalia)	Graves	322	146
KY0420405	Graves County Water District (South Graves)	Graves	2,342	1,058
KY0420274	Mayfield Electric & Water System	Graves	10,709	5,015
KY0420423	Symsonia Water District	Graves	706	363
KY0420475	Wingo Water & Sewer Department	Graves	703	307
KY0530083	Columbus Water Works	Hickman	193	96
KY0530077	Utilities Inc.	Hickman	1,510	705
KY0790029	Benton Water & Sewer System	Marshall	6,560	2,961
KY0790056	Calvert City Municipal Water Department	Marshall	3,564	1,606
KY0790173	Hardin Water Department	Marshall	1,724	779
KY0790216	Jonathan Creek Water District	Marshall	4,525	2,728
KY0790319	North Marshall Water District	Marshall	10,951	5,708
KY0730533	Paducah Water Works	McCracken	59,173	28,252
KY0730454	West McCracken County Water District	McCracken	3,765	1,625
		Totals:	155,041	74,195



Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21035043	Murray WTP Switchgear	0-2 Years	Not Funded	\$1,705,000	Calloway	5	1
WX21075020	Water Treatment Plant Modification	0-2 Years	Not Funded	\$397,000	Fulton	6	1
WX21083062	Mayfield Electric & Water-WTP Clearwell Rehabilitation	3-5 Years	Not Funded	\$250,000	Graves	7	6
WX21157029	Water Line and Booster Station Rehab and installation of Radio Read Meter	0-2 Years	Not Funded	\$3,400,000	Marshall	8	2
WX21157007	City of Benton-Line Replacement Along Main Street	0-2 Years	Not Funded	\$1,255,500	Marshall	12	3
WX21035036	Hopkins Rd Loop and Metering Installation Phase 2	0-2 Years	Not Funded	\$455,000	Calloway	15	2
WX21039021	City of Bardwell-Well Relocation	3-5 Years	Not Funded	\$300,000	Carlisle	17	3
WX21105009	Columbus Water Works - Upgrades to WTP and New Clearwell	11-20 Years	Not Funded	\$400,000	Hickman	18	1
WX21075003	Fulton Municipal to South Graves Interconnect	6-10 Years	Not Funded	\$65,572	Fulton	19	2
WX21007023	LaCenter - Demolition of Water Tank	3-5 Years	Not Funded	\$200,000	Ballard	20	3
WX21039033	AC Line Rehabilitation	6-10 Years	Not Funded	\$1,500,000	Carlisle	23	2
WX21039032	City of Arlington- Water Tank Mixing System	3-5 Years	Not Funded	\$40,000	Carlisle	24	1
WX21105010	Columbus Water Works - Water Tank Maintenance	11-20 Years	Not Funded	\$40,000	Hickman	26	3
WX21007005	La Center Municipal Water- AC Line Replacement Phase III	3-5 Years	Not Funded	\$250,000	Ballard	27	2
WX21035026	South 641 Water District-Water Line Replacement & Isolation Valves Installation	11-20 Years	Not Funded	\$100,000	Calloway	28	5
WX21075002	Fulton Municipal Water-Demolition of Old Clear Well & Degasifier	3-5 Years	Not Funded	\$386,000	Fulton	30	3
Total Cost:				\$10,744,072			

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