

Kentucky

- 2010 census population of 4,339,367 (1,927,164 households) with 96% serviceable.
- Projected 2020 population of 4,533,464 (change of 194,097).
- 64,130 miles of existing water lines.
- 17 new water treatment plants proposed in the next 10 years.
- 2,005 miles of line extensions proposed in the next 10 years.
- 1,434 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: \$1,895,307,605.
- Estimated funding needs for projects from 6 to 10 years: \$180,087,254.
- Total structure counts are: Water Treatment Plants: 214; Water Tanks: 1,893; Pump Stations: 1,586.
- Average age of structures: Water Treatment Plants is 42 years; Water Tanks is 30 years.
- Total number of interconnected systems is 461.
- 3,033 miles of asbestos concrete pipe currently in use.
- 5,954 miles of water lines less than 15 years old.
- 17,467 miles of water lines between 15 and 30 years old.
- 18,769 miles of water lines between 31 and 50 years old.
- 11,813 miles of water lines between 51 and 70 years old.
- 3,434 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	842,987	742,748	97%	\$ 175,144,017			
Barren River Area Development District	284,195	308,284	275,635	97%	\$ 111,139,998			
Big Sandy Area Development District	154,093	142,820	136,791	89%	\$ 45,471,829			
Buffalo Trace Area Development District	56,478	55,576	55,496	98%	\$ 25,166,335			
Cumberland Valley Area Development District	236,618	231,747	230,331	97%	\$ 109,367,652			
Five County Area Development District	137,884	133,540	131,738	95%	\$ 80,138,216			
Green River Area Development District	213,472	218,192	206,535	97%	\$ 67,826,437			
Gateway Area Development District	81,652	85,828	79,737	97%	\$ 53,257,511			
Kentuckiana Regional Planning and Development Agency	959,091	1,036,344	941,548	98%	\$ 193,520,475			
Kentucky River Area Development District	114,762	104,801	103,588	90%	\$ 183,198,397			
Lake Cumberland Area Development District	207,256	209,833	198,192	96%	\$ 118,834,030			
Lincoln Trail Area Development District	269,117	280,073	258,311	96%	\$ 211,233,980			
Northern Kentucky Area Development District	438,647	470,233	426,076	97%	\$ 298,716,867			
Pennyrile Area Development District	219,305	216,553	201,227	96%	\$ 263,024,648			
Purchase Area Development District	196,393	196,653	155,049	79%	\$ 139,354,467			
Demographic Totals	4,339,367	4,533,464	4,143,002	96%	\$ 2,075,394,859			
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	48	59	546	549	2,801	2,344	1,526	1,338
Barren River Area Development District	46	42	182	386	1,684	2,527	2,333	21
Big Sandy Area Development District	39	20	62	792	790	37	3	0
Buffalo Trace Area Development District	40	19	103	282	926	457	197	34
Cumberland Valley Area Development District	40	46	29	417	1,362	1,416	302	161
FIVCO	39	16	47	157	1,046	1,022	17	123
Green River Area Development District	37	39	185	312	1,317	1,484	738	261
Gateway Area Development District	42	30	27	199	987	787	167	14
Kentuckiana Regional Planning & Developement Agency	25	14	118	71	218	693	1,012	51
Kentucky River Area Development District	35	21	45	962	1,081	518	59	0
Lake Cumberland Area Development District	44	24	56	417	1,820	2,778	523	156
Lincoln Tral Area Development District	52	29	101	682	1,339	1,011	1,563	49
Northern Kentucky Area Development District	40	24	30	208	1,002	1,729	329	289
Pennyrile Area Development District	48	58	851	395	842	1,599	1,998	529
Purchase Area Development District	40	20	651	125	252	367	1,046	408
Asset Condition Averages and Totals:	42	461	3,033	5,954	17,467	18,769	11,813	3,434

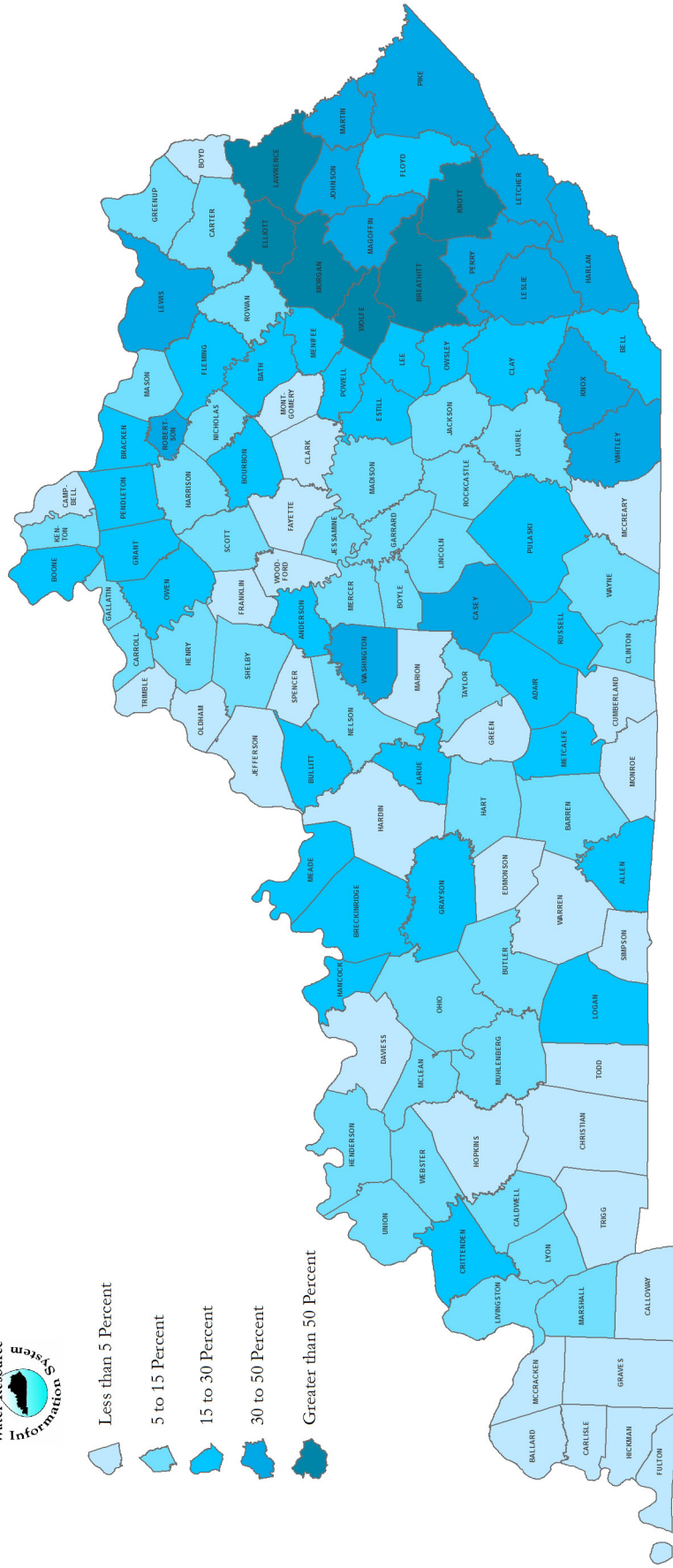
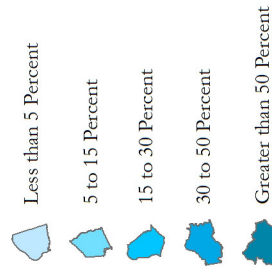


Percent Increase in Households Serviceable by Public Water Systems from 2000 to 2010

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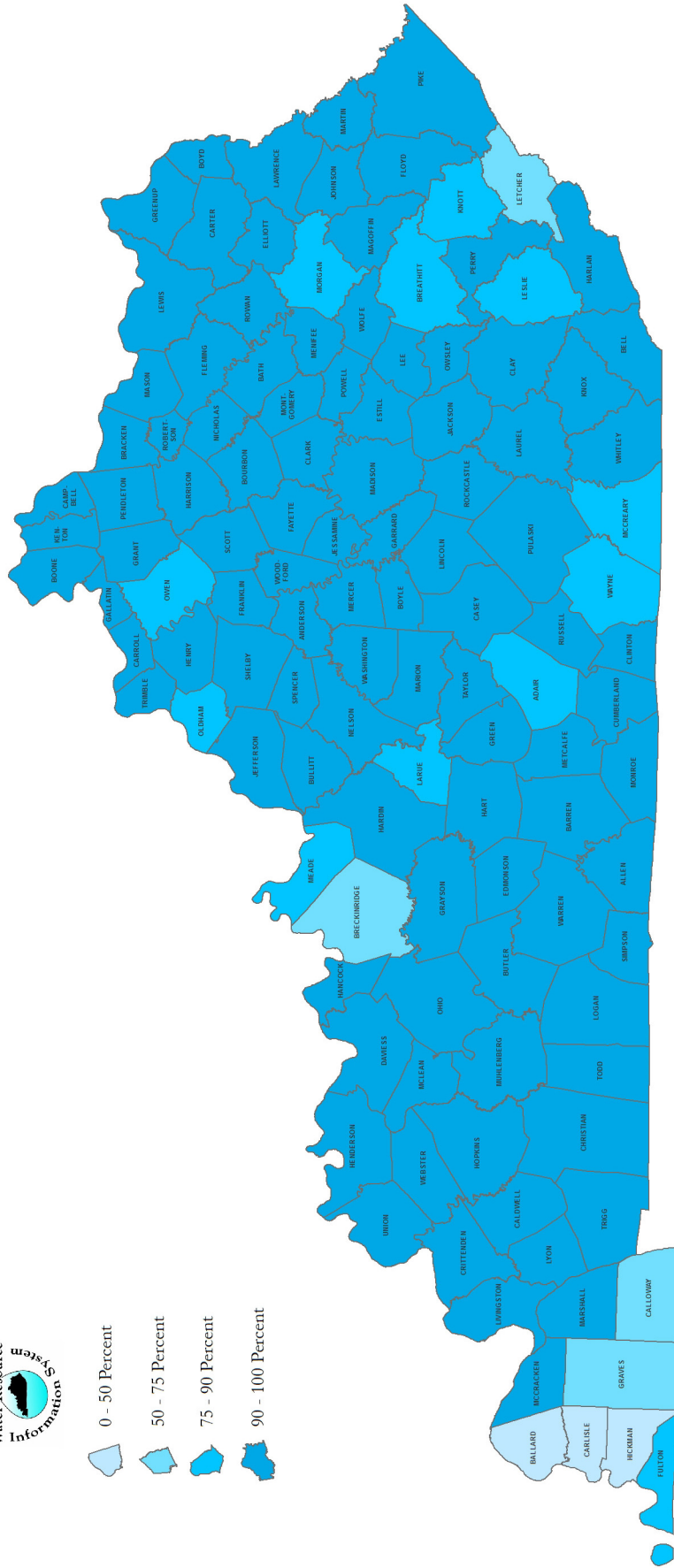
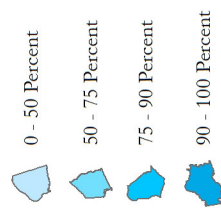
February, 2015



Percent of Households Serviceable by Public Water Systems in 2010

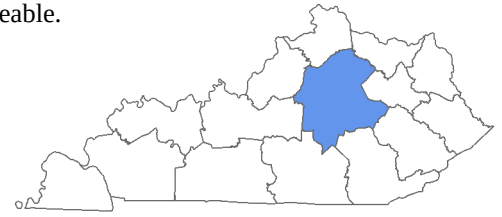
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February, 2015



Bluegrass Area Development District (BGADD)

- 2010 census population of 770,404 (340,939 households) with 97% serviceable.
- Projected 2020 population of 842,987 (change of 72,583).
- 8,953.68 miles of existing water lines.
- 58.00 miles of line extensions proposed in the next 10 years.
- 136.00 miles of line rehabilitation proposed in the next 10 years.
- 19.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$165,103,797.
- Estimated funding needs for projects from 6 to 10 years: \$10,040,220.
- Average age of structures: water treatment plants is 48 years; water tanks is 34 years.
- Total number of interconnected systems is 59.
- 546 miles of asbestos concrete pipe currently in use.
- 549 miles of water lines less than 15 years old.
- 2,801 miles of water lines between 15 and 30 years old.
- 2,344 miles of water lines between 31 and 50 years old.
- 1,526 miles of water lines between 51 and 70 years old.
- 1,338 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 842,987 (347,071 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 173 serviceable households will be added through the construction of 58.00 miles of water line extensions and approximately 152,291 instances of improved service through the rehabilitation of 136.00 miles of existing water lines and other appurtenances. 19.00 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	22,821	9,387	9,106	100%	\$ 3,585,000
Bourbon	19,985	8,927	20,090	8,290	8,792	99%	\$ 6,473,125
Boyle	28,432	12,312	30,550	11,949	12,265	100%	\$ 19,411,470
Clark	35,613	15,706	36,206	14,990	15,487	99%	\$ 10,801,471
Estill	14,672	6,865	14,059	5,987	6,710	98%	\$ 5,945,962
Fayette	295,803	135,160	333,580	141,235	126,153	93%	\$ 2,654,150
Franklin	49,285	23,164	50,836	22,009	23,081	100%	\$ 8,903,408
Garrard	16,912	7,463	17,476	7,254	7,370	99%	\$ 3,408,800
Harrison	18,846	8,208	18,751	7,588	8,150	99%	\$ 2,380,022
Jessamine	48,586	19,331	56,126	21,424	19,288	100%	\$ 18,202,756
Lincoln	24,742	10,819	24,324	10,000	10,586	98%	\$ 19,117,184
Madison	82,916	35,043	91,774	36,529	34,916	100%	\$ 33,226,079
Mercer	21,331	9,941	21,389	9,028	9,901	100%	\$ 5,406,400
Nicholas	7,135	3,261	7,070	2,832	3,181	98%	\$ 21,113,900
Powell	12,613	5,598	11,753	4,660	5,533	99%	\$ 2,898,490
Scott	47,173	19,303	59,589	22,976	18,811	98%	-
Woodford	24,939	10,711	26,593	10,933	10,439	98%	\$ 11,615,800
Totals	770,404	340,939	842,987	347,071	329,769	97%	\$ 175,144,017

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
KY0090343	Paris Water Works	Bourbon	12,224	5,535
KY0110097	Danville City Water Works	Boyle	23,576	10,433
KY0110345	Parksville Water District	Boyle	3,973	1,716
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	9,378	4,255
KY0330205	Irvine Municipal Utilities	Estill	4,642	2,283
KY0340250	Kentucky-American Water Company	Fayette	300,502	138,032
KY0370137	Elkhorn Water District	Franklin	1,493	633
KY0370128	Farmdale Water District	Franklin	6,252	2,468
KY0370143	Frankfort Plant Board	Franklin	36,713	18,061
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	5,827
KY0570214	Jessamine County Water District #1	Jessamine	4,137	1,665
KY0570249	Jessamine- South Elkhorn Water District	Jessamine	7,603	2,955
KY0570315	Nicholasville Utilities	Jessamine	31,402	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	10,522	4,370
KY0760672	Kirksville Water Association	Madison	4,402	1,830
KY0760224	Madison County Utilities District	Madison	25,145	10,468
KY0760370	Richmond Water, Gas & Sewer	Madison	31,427	13,621
KY0760407	Southern Madison Water District	Madison	10,931	4,540
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	5,759	2,598
KY0990418	Stanton Water Commission	Powell	5,398	2,316
KY1050157	Georgetown Municipal Water & Sewer Service	Scott	33,075	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	3,761	1,637
KY1200439	Versailles Municipal Water	Woodford	14,584	6,204



		Totals:	739,271	328,646
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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	\$3,408,000	Woodford	1	1
WX21017021	Paris Water Treatment Plant Improvements	0-2 Years	Not Funded	\$1,793,500	Bourbon	2	1
WX21151061	SMWD - Madison County Airport - Waterline Extension Project	0-2 Years	Not Funded	\$529,600	Madison	3	1
WX21113040	Nicholasville 24" Parallel Transmission Main	0-2 Years	Partially Funded	\$4,998,150	Jessamine	4	1
WX21137007	Stanford Water Plant Expansion and Rehabilitation	0-2 Years	Not Funded	\$7,400,000	Lincoln	5	1
WX21181004	City of Carlisle Raw Water Intake Improvements	0-2 Years	Not Funded	\$4,264,000	Nicholas	6	2
WX21065010	ECWD - Phase 12 System Improvements	0-2 Years	Not Funded	\$2,000,000	Estill	7	1
WX21065008	ECWD - Master Meter Relocation and River Crossing	0-2 Years	Not Funded	\$688,512	Estill	8	2
WX21197004	Powells Valley Water District-Black Creek Water Line Extension	0-2 Years	Partially Funded	\$86,530	Powell	9	3
WX21049038	Carroll Ecton Reservoir Improvements	3-5 Years	Not Funded	\$1,750,000	Clark	10	3
WX21137017	McKinney WD - 2019 Water Improvements Project, Phase 1B	0-2 Years	Not Funded	\$2,721,253	Lincoln	11	2
WX21151040	Berea Utilities - Owsley Fork Reservoir (Red Lick Creek MPS No. 1) Rehabilitation	0-2 Years	Partially Funded	\$13,259,000	Madison	12	2
WX21197017	CLAY CITY BUSINESS PARK WATER EXTENSION PROJECT	0-2 Years	Not Funded	\$107,055	Powell	13	4
WX21021030	Parksville Water District - KY 34 Pump Station Replacement Project	0-2 Years	Not Funded	\$1,415,000	Boyle	14	4
WX21065007	ECWD/Beattyville Emergency Regional Interconnect	0-2 Years	Not Funded	\$818,421	Estill	15	7
WX21137047	Waynesburg Water Line Replacement (KY HWY 328)	0-2 Years	Not Funded	\$85,000	Lincoln	16	3
WX21017020	Paris-Bourbon County Industrial Park Connector Rd Water Line	0-2 Years	Not Funded	\$414,625	Bourbon	17	4
WX21113037	Wilmore Elevated Storage Tank Rehabilitation	0-2 Years	Not Funded	\$994,648	Jessamine	18	2
WX21197020	Stanton - Water Improvements Project	0-2 Years	Not Funded	\$700,000	Powell	19	6
WX21167031	North Mercer WD - 2019 Water System Improvements	0-2 Years	Not Funded	\$3,410,000	Mercer	20	1
WX21005007	South Main Street Water Line Replacement	0-2 Years	Not Funded	\$1,100,000	Anderson	21	3
WX21239034	Versailles - Water Distribution System Improvements - Low Pressu	0-2 Years	Not Funded	\$1,342,000	Woodford	22	2
WX21073022	Frankfort Plant Board - Advance Metering Infrastructure Project	0-2 Years	Not Funded	\$3,260,000	Franklin	23	5
WX21151064	Madison Co. Utilities District - College Hill Water Project	0-2 Years	Not Funded	\$2,550,500	Madison	24	7
WX21073020	AC Waterline Replacement Project	0-2 Years	Not Funded	\$2,485,000	Franklin	25	7
WX21167017	Lake Village Water Association - Contract 14 Water Main West Zone Upgrades	0-2 Years	Not Funded	\$1,996,400	Mercer	26	2
WX21151053	Raw Water and High Service Pumping and Controls Modification	0-2 Years	Partially Funded	\$680,000	Madison	27	10
WX21239023	Woodford County Germany, Shore Acres, Foraker, Watts Ferry & Hippe Agee Project	3-5 Years	Not Funded	\$1,254,000	Woodford	28	3
WX21239015	South Woodford Water District - Cummins Ferry Water Line Replace	0-2 Years	Not Funded	\$412,000	Woodford	29	4
WX21073017	Farmdale Water District Water Line Upgrade	3-5 Years	Not Funded	\$668,000	Franklin	30	8
WX21151065	Kirksville Water Assoc. - Caleast To Happy Landing Loop	0-2 Years	Not Funded	\$2,240,200	Madison	31	8
WX21151032	Southern Madison Water District - Smith Lane Water Line Upgrade Project	0-2 Years	Not Funded	\$250,000	Madison	32	6
WX21151063	Madison Co. Utilities District - Tates Creek/Goggins Land Water	0-2 Years	Not Funded	\$2,912,000	Madison	33	11

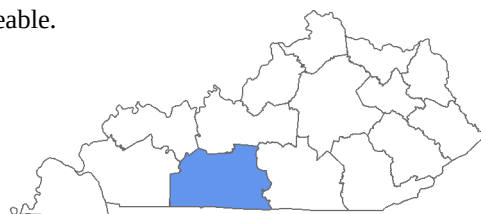


Project Rankings For Bluegrass Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21151047	Richmond Main Street 10" Line Replacement	0-2 Years	Not Funded	\$1,241,750	Madison	34	5
WX21113033	Jessamine County Water District #1 Sussex Estates Water Line Upgrade	0-2 Years	Not Funded	\$475,000	Jessamine	35	3
WX21113035	JCWD #1 - Vincewood and Carolyn Lane Water Line Upgrades	0-2 Years	Not Funded	\$1,451,790	Jessamine	36	4
WX21017023	Paris to Kentucky American Water System Connection	0-2 Years	Not Funded	\$90,000	Bourbon	37	3
WX21239018	Frankfort Plant Board Buck Run Road Water Line Extension	0-2 Years	Not Funded	\$106,000	Woodford	38	6
WX21049040	Winchester - Lincoln Street Redevelopment Project - Water	0-2 Years	Not Funded	\$72,231	Clark	39	4
WX21049041	ECWD - KY 89, Morris Road, and Patrick Lane Water System Upgrade	0-2 Years	Not Funded	\$1,839,000	Clark	40	9
Total Cost:				\$77,269,165			

Barren River Area Development District (BRADD)

- 2010 census population of 284,195 (126,280 households) with 97% serviceable.
- Projected 2020 population of 308,284 (change of 24,089).
- 6,855.48 miles of existing water lines.
- 101.00 miles of line extensions proposed in the next 10 years.
- 87.00 miles of line rehabilitation proposed in the next 10 years.
- 5.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$95,914,798.
- Estimated funding needs for projects from 6 to 10 years: \$15,225,200.
- Average age of structures: water treatment plants is 46 years; water tanks is 25 years.
- Total number of interconnected systems is 42.
- 182 miles of asbestos concrete pipe currently in use.
- 386 miles of water lines less than 15 years old.
- 1,684 miles of water lines between 15 and 30 years old.
- 2,527 miles of water lines between 31 and 50 years old.
- 2,333 miles of water lines between 51 and 70 years old.
- 21 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 308,284 (124,013 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 348 serviceable households will be added through the construction of 101.00 miles of water line extensions and approximately 102,274 instances of improved service through the rehabilitation of 87.00 miles of existing water lines and other appurtenances. 5.00 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	21,377	8,686	9,095	98%	\$ 6,899,326
Barren	42,173	19,188	45,135	18,565	19,114	100%	\$ 9,176,500
Butler	12,690	5,877	12,720	5,295	5,658	96%	\$ 8,911,075
Edmonson	12,161	6,467	11,812	5,109	6,380	99%	\$ 4,982,631
Hart	18,199	8,559	18,683	7,532	8,451	99%	\$ 20,758,316
Logan	26,835	12,339	26,890	10,907	12,215	99%	\$ 10,626,000
Metcalfe	10,099	4,681	9,773	4,038	4,541	97%	\$ 12,085,890
Monroe	10,963	5,204	10,291	4,310	5,125	99%	\$ 8,612,225
Simpson	17,327	7,435	18,396	7,354	7,190	97%	\$ 8,970,275
Warren	113,792	47,223	133,207	52,217	44,731	95%	\$ 20,117,760
Totals	284,195	126,280	308,284	124,013	122,500	97%	\$ 111,139,998

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	36,792	16,729
KY0160052	Butler County Water System	Butler	10,659	4,913
KY0160294	Morgantown Utilities	Butler	2,220	1,022
KY0310706	Brownsville Municipal Water System	Edmonson	693	350
KY0310114	Edmonson County Water District	Edmonson	17,594	10,364
KY0500166	Green River Valley Water District	Hart	16,758	7,532
KY0500476	Horse Cave Water System	Hart	2,288	1,112
KY0500305	Munfordville Water Works	Hart	1,484	757
KY0710001	Adairville Water Works	Logan	906	437
KY0710012	Auburn Water Department	Logan	1,334	627
KY0710951	East Logan Water District	Logan	7,889	3,241
KY0710247	Lewisburg Water Works	Logan	2,495	1,204
KY0710318	North Logan Water District	Logan	1,408	624
KY0710378	Russellville Municipal Water System	Logan	7,172	3,447
KY0710707	South Logan Water Association	Logan	4,105	1,810
KY0850115	Edmonton Water Works	Metcalfe	7,192	3,321
KY0860141	Fountain Run Water District #1	Monroe	878	485
KY0860150	Monroe County Water District	Monroe	7,945	3,674
KY0860426	Tompkinsville Water Works	Monroe	2,401	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	46,599	19,639
KY1140487	Warren County Water District	Warren	61,636	25,178
		Totals:	279,497	125,233

Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21213047	North Main Street Water Line Replacement	0-2 Years	Not Funded	\$75,000	Simpson	1	1
WX21141060	Russellville City Park Tank	0-2 Years	Not Funded	\$1,300,000	Logan	2	1
WX21009033	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive (Phase 5 of 6)	0-2 Years	Partially Funded	\$3,178,500	Barren	3	1
WX21031042	Morgantown - Water Plant Improvements	3-5 Years	Not Funded	\$500,000	Butler	4	1
WX21169037	Cast Iron Pipe Replacement and Hydrant Installation	0-2 Years	Not Funded	\$3,000,000	Metcalfe	5	1
WX21061020	Edmonson County Water District - Edmonson and Hart Extensions #2	3-5 Years	Not Funded	\$1,061,585	Edmonson	6	1
WX21003012	City of Scottsville - WTP Emergency Generator Project	0-2 Years	Not Funded	\$1,695,526	Allen	7	1
WX21227055	WCWD - Smiths Grove / Little Knob Improvements	3-5 Years	Not Funded	\$1,046,000	Warren	8	1
WX21099040	Munfordville Water Meter Replacement	0-2 Years	Not Funded	\$510,000	Hart	9	1
WX21171039	Monroe County Water District Improvements - Water Storage Tanks	3-5 Years	Not Funded	\$200,000	Monroe	10	1
WX21009031	Glasgow Water Improvement - 1 Million Gallon Tank-Grandview	3-5 Years	Not Funded	\$2,000,000	Barren	11	2
WX21099024	Horse Cave - Water Line Improvements	3-5 Years	Not Funded	\$950,000	Hart	12	2
WX21141061	Coating Inside/Outside of Downtown Water Tower	0-2 Years	Not Funded	\$171,000	Logan	13	2
WX21031050	BCWS - Muhlenberg Tank Replacement	0-2 Years	Not Funded	\$550,000	Butler	14	2
WX21171037	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	3-5 Years	Not Funded	\$123,000	Monroe	15	2
WX21003023	AMR and Smart Meter Water Meter Replacement	0-2 Years	Not Funded	\$696,500	Allen	16	2
WX21169025	Edmonton - Joe Fields and Lone Star Line Replacement	3-5 Years	Not Funded	\$150,000	Metcalfe	17	2
WX21213046	Water System Improvements	0-2 Years	Not Funded	\$987,300	Simpson	18	2
WX21061014	Edmonson County Water Improvement - Treatment Plant Expansion	3-5 Years	Not Funded	\$5,000,000	Edmonson	19	2
WX21227044	New South Pressure Zone 1.0 Million Gallon Tank	3-5 Years	Not Funded	\$4,944,760	Warren	20	2
WX21031051	Creek Crossing Relocations	0-2 Years	Not Funded	\$300,000	Butler	21	3
WX21171047	Downtown Waterline Replacement	0-2 Years	Not Funded	\$1,066,100	Monroe	22	3
WX21099033	Bonnieville Waterline Improvement Project	3-5 Years	Not Funded	\$2,040,100	Hart	23	3
WX21061016	Edmonson County Water District - Edmonson, Hart, & Grayson System Improvements	3-5 Years	Not Funded	\$2,173,503	Edmonson	24	3
WX21003003	White Plains Tank Painting	3-5 Years	Not Funded	\$750,000	Allen	25	3
WX21009034	Caveland Environmental - Cave City Water Lines	0-2 Years	Not Funded	\$1,500,000	Barren	26	3
WX21141058	Auburn Water Meter, Remote Read Project	0-2 Years	Not Funded	\$225,000	Logan	27	3
WX21227082	WCWD - Three Springs Transmission Improvements	6-10 Years	Not Funded	\$729,000	Warren	28	3
WX21213029	City of Franklin - Morgantown Rd Water Line	3-5 Years	Not Funded	\$772,000	Simpson	29	3
WX21169022	Edmonton - A. Smith Rd Extension	3-5 Years	Not Funded	\$32,000	Metcalfe	30	3
WX21003020	Water Line Extension to Sumitomo Tank	3-5 Years	Not Funded	\$654,300	Allen	31	4
WX21031046	BCWS - Pump Station Standby Power System	0-2 Years	Not Funded	\$90,000	Butler	32	4
WX21227045	BGMU - Install Check Valve System In 3 Tanks	0-2 Years	Not Funded	\$225,000	Warren	33	4
WX21141059	Water Office & Southern Bypass Extension	0-2 Years	Not Funded	\$1,065,000	Logan	34	4
WX21009035	Caveland Environmental - Cave City Water Line Replacement	3-5 Years	Not Funded	\$600,000	Barren	35	4

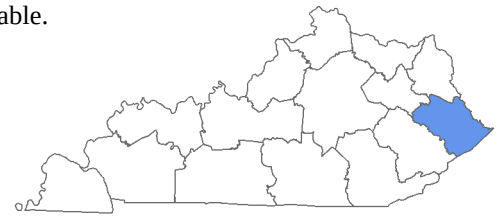


Project Rankings For Barren River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21213048	Steele Road Water Service Improvements	0-2 Years	Not Funded	\$423,000	Simpson	36	4
WX21099041	Hart County Water Line Project (GRVWD)	0-2 Years	Not Funded	\$215,050	Hart	37	4
WX21171049	New Automatic Read Meters	3-5 Years	Not Funded	\$800,000	Monroe	38	4
WX21061005	Edmonson County Water Improvement - Nolin State Park	3-5 Years	Not Funded	\$176,000	Edmonson	39	4
WX21169029	City of Edmonton - Water Service to New Bypass	6-10 Years	Not Funded	\$2,000,000	Metcalfe	40	4
WX21171043	Fountain Run Water District #1 - Fire Hydrant Replacement	6-10 Years	Not Funded	\$41,000	Monroe	41	5
WX21213004	City of Franklin - 2-Inch Galvanized Lines Replacement Project	3-5 Years	Not Funded	\$600,000	Simpson	42	5
WX21169041	12-inch Dedicated Fire Line to Sumitomo	3-5 Years	Not Funded	\$330,400	Metcalfe	43	5
WX21141001	Adairville - Water Line Ext to F. Hills Subdivision	6-10 Years	Not Funded	\$25,000	Logan	44	5
WX21009036	Caveland Environmental - Park City Water Line #1	3-5 Years	Not Funded	\$700,000	Barren	45	5
WX21227054	WCWD - Glen Lily Area Improvements	6-10 Years	Not Funded	\$1,797,000	Warren	46	5
WX21003014	City of Scottsville - Maysville Rd Tank Painting and Old Tank Demolition	3-5 Years	Not Funded	\$1,100,000	Allen	47	5
Total Cost:				\$48,568,624			

Big Sandy Area Development District (BSADD)

- 2010 census population of 154,093 (70,217 households) with 89% serviceable.
- Projected 2020 population of 142,820 (change of -11,273).
- 2,479.21 miles of existing water lines.
- 37.00 miles of line extensions proposed in the next 10 years.
- 23.00 miles of line rehabilitation proposed in the next 10 years.
- There are no transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$43,961,829.
- Estimated funding needs for projects from 6 to 10 years: \$1,510,000.
- Average age of structures: water treatment plants is 39 years; water tanks is 29 years.
- Total number of interconnected systems is 20.
- 62 miles of asbestos concrete pipe currently in use.
- 792 miles of water lines less than 15 years old.
- 790 miles of water lines between 15 and 30 years old.
- 37 miles of water lines between 31 and 50 years old.
- 3 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 142,820 (59,398 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 431 serviceable households will be added through the construction of 37.00 miles of water line extensions and approximately 58,059 instances of improved service through the rehabilitation of 23.00 miles of existing water lines and other appurtenances.

County Summary for Big Sandy Area Development District							
County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Floyd	39,451	18,175	36,156	15,209	17,430	96%	\$ 14,398,299
Johnson	23,356	10,624	23,058	9,416	10,188	96%	\$ 1,725,858
Magoffin	13,333	5,950	12,497	5,296	5,715	96%	\$ 4,227,736
Martin	12,929	5,164	11,697	4,304	5,078	98%	\$ 1,200,000
Pike	65,024	30,304	59,412	25,173	23,954	79%	\$ 23,919,936
Totals	154,093	70,217	142,820	59,398	62,365	89%	\$ 45,471,829

Community Drinking Water Systems in Big Sandy Area Development District County

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

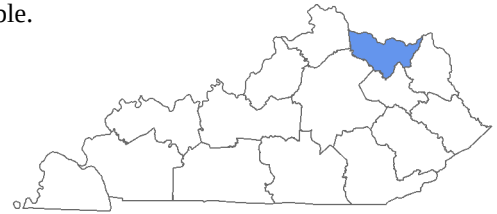
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0360272	Martin Water Works	Floyd	628	363
KY0360358	Prestonsburg City's Utilities Commission	Floyd	18,147	8,262
KY0360026	Southern Water & Sewer District	Floyd	19,004	8,748
KY0360463	Wheelwright Utilities Commission	Floyd	956	398
KY0580340	Paintsville Utilities Commission	Johnson	21,832	9,956
KY0770525	Magoffin County Water District	Magoffin	10,678	4,772
KY0770566	Salyersville Water Works	Magoffin	2,268	1,010
KY0800273	Martin County Water District	Martin	12,180	5,095
KY0980350	City of Pikeville	Pike	9,637	4,429
KY0980120	Elkhorn City Water Department	Pike	1,445	725
KY0980575	Mountain Water District	Pike	40,043	18,580
		Totals:	136,818	62,338

Project Rankings For Big Sandy Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21071903	Wheelwright Utility Commission Water Treatment Plant Improvement	0-2 Years	Partially Funded	\$3,089,665	Floyd	1	1
WX21115015	Miscellaneous Water Line Extensions - Phase 3	0-2 Years	Not Funded	\$118,322	Johnson	2	1
WX21195045	MWD - Marrowbone to Ashcamp Connector / Marrowbone Service Line	0-2 Years	Not Funded	\$3,050,000	Pike	3	1
WX21153029	Magoffin County Water District - KY 542/1502 and KY -378 Water Project	0-2 Years	Not Funded	\$1,004,700	Magoffin	4	1
WX21159013	Meter Replacement	0-2 Years	Not Funded	\$1,200,000	Martin	5	1
WX21153012	Salysersville Water Aging Water Main Phase III	0-2 Years	Not Funded	\$1,138,900	Magoffin	6	2
WX21195040	Wholesale Master Meter Upgrade Project	0-2 Years	Not Funded	\$179,200	Pike	7	2
WX21071001	Telemetry Upgrades and Replacement Project	0-2 Years	Not Funded	\$390,000	Floyd	8	2
WX21195044	Brushy Creek-Sycamore Water Line Extension Project	0-2 Years	Not Funded	\$1,505,000	Pike	9	3
WX21071011	City of Martin Radio Read	0-2 Years	Not Funded	\$167,925	Floyd	10	3
WX21153019	Painters Lick Water Tank Rehab	0-2 Years	Not Funded	\$146,600	Magoffin	11	3
WX21071904	Wheelwright-Water Source Renovation	0-2 Years	Partially Funded	\$478,253	Floyd	12	4
WX21195009	City of Elkhorn City - Water Improvements - Radio Read Meters	0-2 Years	Not Funded	\$380,000	Pike	13	4
WX21195046	Fish Trap Hydraulic Modification Project	0-2 Years	Not Funded	\$838,246	Pike	14	5
WX21071006	Master Meter Installation Project	0-2 Years	Not Funded	\$250,000	Floyd	15	5
WX21195037	Pikeville Water Plant Filter Subsurface Wash System Improvements	0-2 Years	Not Funded	\$253,800	Pike	16	6
WX21195030	Interconnect with MWD	0-2 Years	Not Funded	\$315,000	Pike	17	7
Total Cost:				\$14,505,611			

Buffalo Trace Area Development District (BTADD)

- 2010 census population of 56,478 (26,144 households) with 98% serviceable.
- Projected 2020 population of 55,576 (change of -902).
- 1,887.57 miles of existing water lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 52.00 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: \$21,616,335.
- Estimated funding needs for projects from 6 to 10 years: \$3,550,000.
- Average age of structures: water treatment plants is 40 years; water tanks is 23 years.
- Total number of interconnected systems is 19.
- 103 miles of asbestos concrete pipe currently in use.
- 282 miles of water lines less than 15 years old.
- 926 miles of water lines between 15 and 30 years old.
- 457 miles of water lines between 31 and 50 years old.
- 197 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 55,576 (22,928 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 168 serviceable households will be added through the construction of 22.00 miles of water line extensions and approximately 8,356 instances of improved service through the rehabilitation of 52.00 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	8,139	3,380	3,800	99%	\$ 8,355,000
Fleming	14,348	6,623	14,790	5,981	6,582	99%	\$ 3,438,815
Lewis	13,870	6,481	13,434	5,605	6,282	97%	\$ 5,560,080
Mason	17,490	8,105	17,106	7,071	7,894	97%	\$ 6,127,440
Robertson	2,282	1,095	2,107	891	1,090	100%	\$ 1,685,000
Totals	56,478	26,144	55,576	22,928	25,648	98%	\$ 25,166,335

Community Drinking Water Systems in Buffalo Trace Area Development District County

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

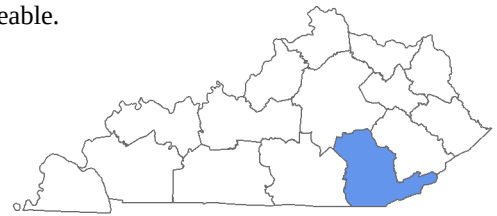
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0120013	Augusta Regional WTP	Bracken	1,165	571
KY0120039	Bracken County Water District	Bracken	6,115	2,723
KY0120044	Brooksville Water	Bracken	658	298
KY0350133	Fleming County Water Association	Fleming	9,693	4,283
KY0350134	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
WX21069038	Western Fleming Water District-Phase 2 AC Line Replacement	3-5 Years	Not Funded	\$1,593,000	Fleming	1	3
WX21161045	System Improvements & Meter Replacement Project	0-2 Years	Not Funded	\$1,161,062	Mason	2	1
WX21023036	Augusta-New Water Tank & Loop	3-5 Years	Not Funded	\$1,300,000	Bracken	3	1
WX21135018	GQWD- Phase II, AC Water Line Replacement- Old County Ln (In Qui	3-5 Years	Not Funded	\$600,000	Lewis	4	1
WX21201013	BTWA-Scattered Lines	6-10 Years	Not Funded	\$365,000	Robertson	5	1
WX21201014	Mt. Olivet Water Upgrade-KY 617/KY 165 S	6-10 Years	Not Funded	\$370,000	Robertson	6	2
WX21135019	Vanceburg Utility Upgrade Project	3-5 Years	Not Funded	\$931,000	Lewis	7	2
WX21023047	Augusta Water Treatment Plant Improvements	3-5 Years	Not Funded	\$225,000	Bracken	8	2
WX21161022	WLRWD - Office Tank	3-5 Years	Not Funded	\$1,440,000	Mason	9	2
WX21069042	Dorothy Street Water Main Replacement	3-5 Years	Not Funded	\$170,000	Fleming	10	2
WX21069044	Carpenter Pike/KY 111 AC Water Line Replacement	0-2 Years	Not Funded	\$535,000	Fleming	11	1
WX21161033	BTWA-Happy Ridge Upgrade	3-5 Years	Not Funded	\$205,000	Mason	12	3
WX21023050	Bracken County Water District Water Treatment Plant Project	3-5 Years	Not Funded	\$6,000,000	Bracken	13	3
WX21135007	Garrison Quincy Water District-Phase 4	3-5 Years	Not Funded	\$2,500,000	Lewis	14	3
WX21201016	BTWA-KY1029 From Ogden Ridge to KY 165	6-10 Years	Not Funded	\$400,000	Robertson	15	3
WX21201010	BTWA - KY 1029 & Gayles Gorge	6-10 Years	Not Funded	\$550,000	Robertson	16	4
WX21135020	Eastern Lewis-Garrison Water Extension	0-2 Years	Not Funded	\$1,029,080	Lewis	17	4
WX21023046	Augusta Well	6-10 Years	Not Funded	\$250,000	Bracken	18	4
WX21161034	BTWA-Sardis Upgrade	3-5 Years	Not Funded	\$150,000	Mason	19	4
WX21069043	Industrial 250,000 Gallon Elevated Tank Rehabilitation	0-2 Years	Not Funded	\$451,800	Fleming	20	4
WX21069030	WFWD-Nepton Rd & Connector Rd	3-5 Years	Not Funded	\$100,000	Fleming	21	5
WX21161038	BTWA - Old Sardis Pike	6-10 Years	Not Funded	\$200,000	Mason	22	5
WX21023032	Brooksville Improvements	6-10 Years	Not Funded	\$500,000	Bracken	23	5
WX21069022	FCWA 12" Bypass Water Line	3-5 Years	Not Funded	\$501,000	Fleming	24	6
WX21069008	Greater Fleming County Regional Water Commission-Phase 2 Extension	11-20 Years	Not Funded	\$7,944,000	Fleming	25	7
WX21069013	GFCRWC- Phase III	11-20 Years	Not Funded	\$16,338,000	Fleming	26	8
Total Cost:				\$45,808,942			

Cumberland Valley Area Development District (CVADD)

- 2010 census population of 236,618 (104,865 households) with 97% serviceable.
- Projected 2020 population of 231,747 (change of -4,871).
- 4,653.38 miles of existing water lines.
- 103.00 miles of line extensions proposed in the next 10 years.
- 67.00 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: \$100,792,204.
- Estimated funding needs for projects from 6 to 10 years: \$8,575,448.
- Average age of structures: water treatment plants is 40 years; water tanks is 31 years.
- Total number of interconnected systems is 46.
- 29 miles of asbestos concrete pipe currently in use.
- 417 miles of water lines less than 15 years old.
- 1,362 miles of water lines between 15 and 30 years old.
- 1,416 miles of water lines between 31 and 50 years old.
- 302 miles of water lines between 51 and 70 years old.
- 161 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 231,747 (93,695 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 9,554 serviceable households will be added through the construction of 103.00 miles of water line extensions and approximately 208,080 instances of improved service through the rehabilitation of 67.00 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	26,394	11,080	12,876	98%	\$ 5,544,298
Clay	21,730	8,875	20,177	7,489	8,376	94%	\$ 13,046,544
Harlan	29,278	13,513	26,368	10,785	12,937	96%	\$ 8,815,040
Jackson	13,494	6,523	13,119	5,663	6,207	95%	\$ 2,524,400
Knox	31,883	14,485	31,443	13,096	14,143	98%	\$ 21,866,783
Laurel	58,849	25,446	61,519	25,223	25,259	99%	\$ 42,233,965
Rockcastle	17,056	7,703	16,740	6,967	7,443	97%	\$ 6,219,976
Whitley	35,637	15,166	35,987	13,392	14,748	97%	\$ 9,116,646
Totals	236,618	104,865	231,747	93,695	101,989	97%	\$ 109,367,652

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	14
KY0073691	Pineville - Fonde Water System	Bell	75	33
KY0070353	Pineville Water System	Bell	15,562	7,037
KY0070282	Water Service Corporation of Kentucky	Bell	12,022	5,726
KY0260737	Manchester Water Works	Clay	13,253	5,730
KY0260266	North Manchester Water Association Inc	Clay	6,636	2,274
KY0480265	BMUD - Ages/Coxton	Harlan	1,081	476
KY0480277	BMUD - Dayhoit	Harlan	1,957	913
KY0480341	BMUD - Green Hills	Harlan	1,378	621
KY0480603	BMUD - Kenvir	Harlan	756	329
KY0480498	BMUD - Louellen	Harlan	785	380
KY0480650	BMUD - Rosspoint	Harlan	1,822	851
KY0480461	BMUD - Sukey Ridge	Harlan	786	367
KY0480572	BMUD - Wallins	Harlan	1,672	763
KY0480565	Cawood Water District	Harlan	4,516	1,975
KY0483727	Cawood Water District - Pathfork	Harlan	495	236
KY0480028	City of Benham	Harlan	732	387
KY0480262	City of Lynch	Harlan	829	492
KY0480092	Cumberland Municipal Water Works	Harlan	3,566	1,732
KY0480125	Evarts Municipal Water Plant	Harlan	3,401	1,393
KY0480178	Harlan Municipal Water Works	Harlan	4,286	2,049
KY0550784	City of McKee	Jackson	898	478
KY0550209	Jackson County Water Association Inc	Jackson	11,809	5,608
KY0610016	Barbourville Utility Commission	Knox	15,826	7,065
KY0610110	Knox County Utility Commission	Knox	7,853	3,770
KY0630797	East Laurel Water District	Laurel	12,966	5,481
KY0630238	Laurel Water District #2	Laurel	14,675	6,149
KY0630255	London Utility Commission	Laurel	9,193	4,175
KY0630451	West Laurel Water Association	Laurel	12,274	5,277
KY0630477	Wood Creek Water District	Laurel	11,744	5,129
KY1020889	City of Brodhead	Rockcastle	1,503	674
KY1020299	City of Mount Vernon	Rockcastle	4,404	2,025
KY1020288	Kentucky American Water - Eastern Roackcastle	Rockcastle	1,593	782
KY1020253	Livingston Municipal Water Works	Rockcastle	385	198
KY1020891	Western Rockcastle Water Association	Rockcastle	10,724	4,737
KY1180085	Corbin Utilities Commission	Whitley	14,876	6,834
KY1180093	Cumberland Falls Highway Water District	Whitley	8,834	3,670
KY1180468	Whitley County Water District	Whitley	11,371	4,892
KY1183728	Whitley County Water District - 92 West	Whitley	452	197
KY1180471	Williamsburg Municipal WTP	Whitley	5,205	1,946
		Totals:	232,269	102,865



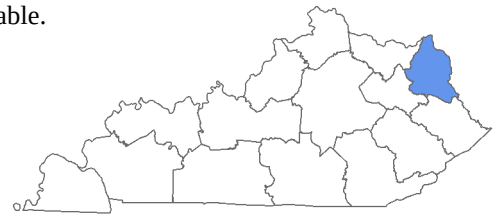
Project Rankings For Cumberland Valley Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21109006	City of McKee Water High Surface Pump Replacement Project	0-2 Years	Not Funded	\$160,000	Jackson	1	1
WX21121012	Barbourville Connection - KY 225	0-2 Years	Not Funded	\$1,193,000	Knox	2	1
WX21203008	Tower Tank Transmission Main	0-2 Years	Not Funded	\$323,300	Rockcastle	3	1
WX21235008	Williamsburg, KY - Downtown Water System Improvements	0-2 Years	Not Funded	\$5,534,130	Whitley	4	1
WX21051202	North Manchester Water Association Line Extension & Line Upgrade	0-2 Years	Not Funded	\$890,000	Clay	5	2
WX21121537	Knox: Water Line Extension In Whitley County	0-2 Years	Partially Funded	\$709,260	Whitley	6	4
WX21235006	Valve locating; recovery; exercising and/or replacement	0-2 Years	Not Funded	\$100,000	Whitley	7	2
WX21095013	Harlan Municipal Water Treatment Plant and Raw Water Intake Impr	0-2 Years	Fully Funded	\$2,549,645	Harlan	8	1
WX21203006	Brodhead: Waterline Replacement and Upgrade	3-5 Years	Not Funded	\$1,136,000	Rockcastle	9	2
WX21095014	Harlan Municipal Water Distribution System Improvements	0-2 Years	Fully Funded	\$1,463,000	Harlan	10	2
WX21203009	Contract 14 - Water System Improvements	3-5 Years	Not Funded	\$1,280,000	Rockcastle	11	3
WX21121008	Barbourville Utilities Gilliam Hill Water Tank Replacement	0-2 Years	Not Funded	\$556,000	Knox	12	2
WX21125022	North Corbin Area Water System Improvements	0-2 Years	Not Funded	\$1,100,000	Laurel	13	2
WX21109002	Downtown Water Storage Tank Replacement	3-5 Years	Not Funded	\$1,825,000	Jackson	14	2
WX21125021	Hanes Baker Road Area Water System Improvements	0-2 Years	Not Funded	\$300,000	Laurel	15	3
WX21235803	Williamsburg - Phase III Water System Improvements	0-2 Years	Not Funded	\$6,863,000	Whitley	16	3
WX21121010	Barbourville Utilities Sampson Hill Water Tank Replacement	0-2 Years	Not Funded	\$665,500	Knox	17	4
WX21095011	Wallins Rehabilitation Project	0-2 Years	Not Funded	\$535,470	Harlan	18	3
WX21109005	Water Treatment Plant Improvements	0-2 Years	Not Funded	\$530,000	Jackson	19	3
WX21125023	Oak Ridge Church Road & Cardinal Heights Area Water System Improvements	0-2 Years	Not Funded	\$2,175,000	Laurel	20	4
WX21051005	Water Tank Project	0-2 Years	Not Funded	\$3,093,500	Clay	22	1
WX21121532	Knox County - Water Projects	0-2 Years	Partially Funded	\$2,777,500	Knox	23	5
WX21051006	Water Meter Replacement	3-5 Years	Not Funded	\$1,000,000	Clay	24	3
WX21121001	Barbourville - Knox County Regionalization	3-5 Years	Not Funded	\$3,000,000	Knox	25	3
WX21013001	Brownies Creek/Cubbage Waterline Rehab Phase 2	3-5 Years	Not Funded	\$548,350	Bell	26	1
WX21051010	New Water Meters	0-2 Years	Not Funded	\$62,000	Clay	27	4
WX21095004	US 421 - KY 3001 Waterline Replacement	0-2 Years	Not Funded	\$1,071,455	Harlan	28	5
WX21013912	City of Pineville - A/C Waterline Replacement	6-10 Years	Not Funded	\$1,854,948	Bell	29	2
WX21095002	City of Benham - Water Tank Repair/Replacement	0-2 Years	Partially Funded	\$929,120	Harlan	30	4
WX21125024	L.U.C. Water Treatment Plant Improvements	0-2 Years	Not Funded	\$2,353,800	Laurel	31	1
WX21051007	Raw Water Pump Replacement - Goose Creek Intake Phase II	3-5 Years	Not Funded	\$50,000	Clay	32	5
Total Cost:				\$46,628,978			



Five County Area Development District (FIVCO)

- 2010 census population of 137,884 (61,101 households) with 95% serviceable.
- Projected 2020 population of 133,540 (change of -4,344).
- 2,439.98 miles of existing water lines.
- 45.00 miles of line extensions proposed in the next 10 years.
- 32.00 miles of line rehabilitation proposed in the next 10 years.
- 21.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$73,933,568.
- Estimated funding needs for projects from 6 to 10 years: \$6,204,648.
- Average age of structures: water treatment plants is 39 years; water tanks is 33 years.
- Total number of interconnected systems is 16.
- 47 miles of asbestos concrete pipe currently in use.
- 157 miles of water lines less than 15 years old.
- 1,046 miles of water lines between 15 and 30 years old.
- 1,022 miles of water lines between 31 and 50 years old.
- 17 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 133,540 (54,015 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 3,224 serviceable households will be added through the construction of 45.00 miles of water line extensions and approximately 56,337 instances of improved service through the rehabilitation of 32.00 miles of existing water lines and other appurtenances. 21.00 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	47,912	19,321	21,739	100%	\$ 9,262,740
Carter	27,720	12,311	26,852	10,685	11,647	95%	\$ 13,523,740
Elliott	7,852	3,371	7,633	2,975	3,116	92%	\$ 5,338,000
Greenup	36,910	16,330	35,475	14,654	15,110	93%	\$ 50,793,736
Lawrence	15,860	7,286	15,668	6,380	6,635	91%	\$ 1,220,000
Totals	137,884	61,101	133,540	54,015	58,247	95%	\$ 80,138,216

Community Drinking Water Systems in Five County Area Development District County

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

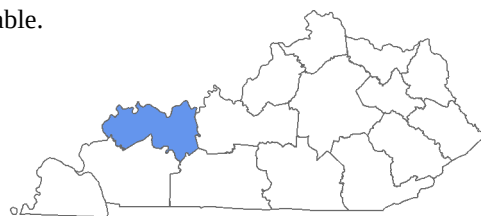
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0100944	Big Sandy Water District	Boyd	13,952	6,020
KY0100064	Cannonsburg Water District	Boyd	8,985	3,730
KY0100011	City of Ashland	Boyd	35,813	16,137
KY0220335	City of Olive Hill	Carter	5,035	2,377
KY0220164	Grayson Utility Commission	Carter	10,817	4,588
KY0220555	Rattlesnake Ridge Water District	Carter	11,487	5,237
KY0320383	Sandy Hook Water District	Elliott	3,769	1,537
KY0450132	City of Flatwoods	Greenup	8,012	3,547
KY0450169	City of Greenup	Greenup	10,226	4,453
KY0450365	City of Raceland	Greenup	3,201	1,452
KY0450376	City of Russell	Greenup	4,912	2,148
KY0450410	City of South Shore	Greenup	4,589	2,166
KY0450478	City of Worthington	Greenup	1,613	684
KY0450479	City of Wurtland	Greenup	1,510	638
KY0640257	City of Louisa	Lawrence	5,551	2,512
		Totals:	129,472	57,226

Project Rankings For Five County Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21089104	System Loop along US 23 from Caroline Road to Legion Drive	3-5 Years	Not Funded	\$180,500	Greenup	1	1
WX21127026	Louisa Lock Ave. Water Line Replacement	0-2 Years	Not Funded	\$150,000	Lawrence	2	1
WX21089011	Russell: Upgrade Water Treatment Plant and System Improvements	0-2 Years	Not Funded	\$16,500,000	Greenup	3	2
WX21019047	Ashland: Debord Hill Water Tank Upgrade	3-5 Years	Not Funded	\$900,000	Boyd	4	2
WX21089102	City of Greenup new Water Treatment Plant	0-2 Years	Not Funded	\$14,599,000	Greenup	5	3
WX21019057	Phase II - Shoppes Road Water Line Replacement	0-2 Years	Not Funded	\$1,124,000	Boyd	6	1
WX21019054	Transmission Line Project	0-2 Years	Not Funded	\$1,800,000	Boyd	7	3
WX21089093	City of Flatwoods Water Tank Rehab Project	3-5 Years	Not Funded	\$180,000	Greenup	8	4
WX21089061	Raceland: Relocate RR Water Main to Corkey Lane	0-2 Years	Not Funded	\$236,100	Greenup	9	5
WX21089013	Greenup: New Water Intake Structure	3-5 Years	Partially Funded	\$4,900,000	Greenup	10	6
WX21089100	Hamor Street	0-2 Years	Not Funded	\$122,000	Greenup	11	7
WX21043048	WTP Lagoons and Sludge Handling	0-2 Years	Not Funded	\$1,750,000	Carter	12	1
WX21089105	Greenup Rt. 1 Line Upgrade	3-5 Years	Not Funded	\$177,075	Greenup	13	8
WX21089072	Worthington: Valve Replacement Project Systemwide	3-5 Years	Not Funded	\$20,800	Greenup	14	9
WX21089059	Wurtland: Industrial Parkway Water Project	0-2 Years	Not Funded	\$85,000	Greenup	15	10
WX21089097	City of Russell Downtown Water Main Replacement Project	3-5 Years	Not Funded	\$495,545	Greenup	16	11
Total Cost:				\$43,220,020			

Green River Area Development District (GRADD)

- 2010 census population of 213,472 (92,066 households) with 97% serviceable.
- Projected 2020 population of 218,192 (change of 4,720).
- 4,078.78 miles of existing water lines.
- 77.00 miles of line extensions proposed in the next 10 years.
- 72.00 miles of line rehabilitation proposed in the next 10 years.
- 47.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$55,809,214.
- Estimated funding needs for projects from 6 to 10 years: \$12,017,223.
- Average age of structures: water treatment plants is 37 years; water tanks is 33 years.
- Total number of interconnected systems is 39.
- 185 miles of asbestos concrete pipe currently in use.
- 312 miles of water lines less than 15 years old.
- 1,317 miles of water lines between 15 and 30 years old.
- 1,484 miles of water lines between 31 and 50 years old.
- 738 miles of water lines between 51 and 70 years old.
- 261 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 218,192 (88,339 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 798 serviceable households will be added through the construction of 77.00 miles of water line extensions and approximately 65,267 instances of improved service through the rehabilitation of 72.00 miles of existing water lines and other appurtenances. 47.00 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	102,033	41,523	39,704	96%	\$ 1,995,695
Hancock	8,565	3,734	8,786	3,475	3,689	99%	\$ 4,523,165
Henderson	46,250	20,320	46,358	19,141	20,065	99%	\$ 28,524,733
McLean	9,531	4,264	9,274	3,783	4,088	96%	\$ 6,518,468
Ohio	23,842	10,219	24,235	9,620	9,942	97%	\$ 3,011,641
Union	15,007	6,141	14,906	5,749	5,949	97%	\$ 1,314,350
Webster	13,621	5,936	12,600	5,048	5,757	97%	\$ 21,938,385
Totals	213,472	92,066	218,192	88,339	89,194	97%	\$ 67,826,437

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	11,194	4,547
KY0300336	Owensboro Municipal Utilities	Daviess	58,510	26,515
KY0300387	Southeast Daviess County Water District	Daviess	11,425	4,462
KY0300467	Whitesville Water Works	Daviess	3,508	1,331
KY0460182	Hawesville Water Works	Hancock	2,742	1,187
KY0460248	Lewisport Municipal Water Works	Hancock	2,604	1,170
KY0510189	Henderson County Water District	Henderson	16,014	6,466
KY0510188	Henderson Water Utility - North	Henderson	30,094	13,758
KY0750529	Beech Grove Water Association	McLean	1,139	499
KY0750055	Calhoun Water Works	McLean	965	491
KY0750207	Island Water Department	McLean	1,036	464
KY0750252	Livermore Water Works	McLean	1,420	677
KY0300320	North McLean County Water District	McLean	2,934	1,213
KY0750907	Sacramento Water Works	McLean	1,828	826
KY0920025	Beaver Dam Municipal Water & Sewer System	Ohio	3,648	1,548
KY0920070	Centertown Water System	Ohio	1,248	525
KY0920136	Fordsville Water Works	Ohio	926	427
KY0920181	Hartford Municipal Water Works	Ohio	2,656	1,150
KY0920332	Ohio County Water District	Ohio	14,760	6,307
KY1130293	Morganfield Water Works	Union	5,546	1,903
KY1130422	Sturgis Water Works	Union	2,509	1,219
KY1130433	Union County Water District	Union	5,371	2,308
KY1130434	Uniontown Water & Sewer Department	Union	1,131	518
KY1170073	Clay Water Works	Webster	1,294	560
KY1170104	Dixon Water Department	Webster	771	258
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	5,146	2,193
		Totals:	196,274	85,181

Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21101129	Clearwell Improvements Project	0-2 Years	Partially Funded	\$1,424,000	Henderson	1	1
WX21183049	Ohio County Water District Intake Line Rebuilding Project	0-2 Years	Not Funded	\$1,680,000	Ohio	2	1
WX21101131	Four-Star Tank Painting & Repair Project	0-2 Years	Not Funded	\$459,500	Henderson	3	2
WX21225048	Uniontown New Booster Pump Station Project	0-2 Years	Partially Funded	\$314,350	Union	4	1
WX21183047	Fordsville Water Tank Rehab Project	3-5 Years	Partially Funded	\$240,000	Ohio	5	2
WX21183036	Rehab Sunnydale Pump Station	6-10 Years	Not Funded	\$25,000	Ohio	6	3
WX21091056	Hawesville/Lewisport Emergency Interconnection	6-10 Years	Not Funded	\$86,500	Hancock	7	1
WX21233032	WCWD Long Term System Improvements	6-10 Years	Not Funded	\$5,172,500	Webster	8	1
WX21059031	Ward Road Water Line Upgrade	6-10 Years	Not Funded	\$197,675	Daviess	9	1
WX21059032	Sawmill Road Water Line Extension	6-10 Years	Not Funded	\$127,640	Daviess	10	2
WX21183048	Hartford Water Tank Reduction Project	3-5 Years	Not Funded	\$492,941	Ohio	11	4
WX21233024	Providence Water System Improvements	0-2 Years	Not Funded	\$766,545	Webster	12	2
WX21233023	Dixon Water Line Upgrade	0-2 Years	Not Funded	\$377,500	Webster	13	3
WX21059027	EDCWA Scattered Water Line Extension #2	3-5 Years	Not Funded	\$325,400	Daviess	14	3
WX21091074	EDCWA Meter Replacement Project (Hancock)	3-5 Years	Partially Funded	\$251,200	Hancock	15	2
WX21091082	Hawesville Water Treatment Plant Upgrade	6-10 Years	Not Funded	\$300,000	Hancock	16	3
WX21183043	EDCWA Ohio County Alternate Water Main Connect	3-5 Years	Not Funded	\$400,000	Ohio	17	5
WX21233056	Providence Cast Iron Pipe Rehab	0-2 Years	Not Funded	\$3,196,000	Webster	18	4
WX21059045	Jack Hinton Road Water Main Project	3-5 Years	Not Funded	\$499,280	Daviess	19	4
WX21091096	Hancock County Fiscal Court Water Lines Improvements	0-2 Years	Not Funded	\$39,065	Hancock	20	4
WX21059030	Morgantown Road Water Line Loop	3-5 Years	Not Funded	\$72,500	Daviess	21	5
WX21091063	Kelly Heights Tank Demolition	11-20 Years	Not Funded	\$50,000	Hancock	22	5
WX21149058	Sacramento Water Meter Replacement	3-5 Years	Not Funded	\$150,000	McLean	23	1
WX21091075	Lewisport/EDCWA Emergency Interconnect	6-10 Years	Not Funded	\$51,000	Hancock	24	6
WX21149066	Beech Grove Highway 593 Booster Pump Station	0-2 Years	Not Funded	\$158,400	McLean	27	3
WX21101009	HWU - South Water Treatment Plant Expansion	3-5 Years	Not Funded	\$3,500,000	Henderson	28	3
WX21149022	431 Tank Project	0-2 Years	Partially Funded	\$1,488,000	McLean	29	4
WX21101110	Hwy 351 Main Replacement	0-2 Years	Not Funded	\$2,329,156	Henderson	30	4
WX21091089	Donna Lou/Faith Ann Line Upsizing project	3-5 Years	Not Funded	\$100,000	Hancock	31	7
WX21101128	Washington/Vine Water Main	3-5 Years	Not Funded	\$1,776,720	Henderson	32	5
WX21059070	Highway 54 Waterline Upgrade	11-20 Years	Not Funded	\$995,000	Daviess	33	6
WX21149047	Fox Hollow Water Tank	6-10 Years	Not Funded	\$1,500,000	McLean	34	5
WX21091087	Antoinette Estates Water Line Extension	3-5 Years	Not Funded	\$500,000	Hancock	35	8
WX21101126	Henderson County Water District Scattered Lines Project	0-2 Years	Not Funded	\$2,254,200	Henderson	36	6
WX21059046	East Daviess County Water Association Generator Project	3-5 Years	Not Funded	\$60,000	Daviess	37	7

Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21091101	County Booster Station Improvement	0-2 Years	Not Funded	\$135,500	Hancock	38	9
WX21225026	Uniontown Valve Upgrades	11-20 Years	Not Funded	\$196,311	Union	39	2
WX21091012	East Daviess County/Hancock County Line Extension Tie-Ins	3-5 Years	Not Funded	\$440,000	Hancock	40	10
WX21225044	Highway 130 Water Main Replacement Project	11-20 Years	Not Funded	\$136,070	Union	41	3
WX21101130	Raw Water Intake & Pipeline Project	0-2 Years	Not Funded	\$7,500,000	Henderson	42	7
WX21233005	Slaughters Water Meter Replacement Project	3-5 Years	Not Funded	\$200,000	Webster	43	6
WX21091094	Lewisport Water Line Replacement Project	11-20 Years	Not Funded	\$1,042,000	Hancock	44	11
WX21149057	815 Waterline Extension	11-20 Years	Not Funded	\$212,750	McLean	45	6
WX21149067	Island Water Tank Project	3-5 Years	Not Funded	\$701,630	McLean	46	7
WX21101044	Trigg Hooper Water Line Extension	3-5 Years	Not Funded	\$20,000	Henderson	47	8
WX21233051	Providence Waterline Rehab Project	6-10 Years	Not Funded	\$2,000,000	Webster	48	7
WX21101059	Housebridge Road Water Line Extension #2	3-5 Years	Not Funded	\$42,600	Henderson	49	9
WX21091099	Coal Bank Hollow Water Main Replacement	6-10 Years	Not Funded	\$180,000	Hancock	50	12
WX21101133	Tyson Tank Repainting & Repair	0-2 Years	Not Funded	\$775,000	Henderson	51	10
WX21059055	Reed Road Pump Upgrade	3-5 Years	Not Funded	\$30,000	Daviess	52	8
WX21101127	Spottsville Bridge Crossing Project	0-2 Years	Not Funded	\$553,694	Henderson	53	11
WX21091092	Yakel Pump Station Rehab Project	0-2 Years	Not Funded	\$20,700	Hancock	54	13
WX21183022	EDCWA Small Main Connections	0-2 Years	Not Funded	\$153,000	Ohio	55	6
WX21059066	Daniels Lane Line Upgrade	3-5 Years	Not Funded	\$312,000	Daviess	56	9
WX21101048	J.J. Utley Road Water Line Extension	3-5 Years	Not Funded	\$61,600	Henderson	57	12
WX21101111	Hwy 136 W Main Replacement	3-5 Years	Not Funded	\$717,307	Henderson	58	13
WX21225043	Highway 492 Line Upgrade	11-20 Years	Not Funded	\$915,000	Union	59	4
WX21101066	Shady Grove Knoblick Road Line Extension	3-5 Years	Not Funded	\$45,000	Henderson	60	14
WX21233101	East Railroad & 2nd Street Rebuild	0-2 Years	Not Funded	\$137,500	Webster	61	8
WX21183027	EDCWA Meter Replacement	0-2 Years	Not Funded	\$120,000	Ohio	62	7
WX21183037	Rehab Friendship Pump Station	3-5 Years	Not Funded	\$20,700	Ohio	63	8
WX21091085	Mount Eden Fire Protection Project	3-5 Years	Not Funded	\$75,000	Hancock	64	14
WX21101055	Cairo Hickory Grove Road Water Line Extension	3-5 Years	Not Funded	\$36,500	Henderson	65	15
WX21101025	Main Street Water Main Replacement Project	0-2 Years	Not Funded	\$1,828,000	Henderson	66	16
WX21233058	WCWD/Providence Interconnection	3-5 Years	Not Funded	\$230,000	Webster	67	9
WX21233062	Crowder Road Extension	3-5 Years	Not Funded	\$173,340	Webster	68	11
WX21101050	Wilson Station Road Water Line Extension	3-5 Years	Not Funded	\$71,235	Henderson	69	17
WX21149018	Troutman Hills Road Water Line Extension	3-5 Years	Partially Funded	\$159,000	McLean	70	17
WX21101132	Graham Hill Tank Painting & Repair Project	0-2 Years	Not Funded	\$445,000	Henderson	71	18
WX21149051	KY 593 Extension	6-10 Years	Not Funded	\$600,000	McLean	72	9
WX21091058	Hawesville Generator Project	11-20 Years	Not Funded	\$150,000	Hancock	73	15



Project Rankings For Green River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21149004	Sacramento Tank Repainting	3-5 Years	Not Funded	\$200,000	McLean	74	10
WX21091076	Hawesville Debt Retirement	3-5 Years	Not Funded	\$800,000	Hancock	75	16
WX21091081	Tickridge Road Project	3-5 Years	Not Funded	\$140,000	Hancock	76	17
WX21091090	River Road Waterline Extension Project	3-5 Years	Not Funded	\$130,000	Hancock	77	18
WX21225040	Morganfield Radio Read Meter Project	3-5 Years	Not Funded	\$425,000	Union	78	5
WX21225041	UCWD Radio Read Meter Project	6-10 Years	Not Funded	\$575,000	Union	79	6
Total Cost:				\$54,066,509			

Gateway Area Development District (GWADD)

- 2010 census population of 81,652 (36,780 households) with 97% serviceable.
- Projected 2020 population of 85,828 (change of 4,176).
- 1,912.23 miles of existing water lines.
- 32.00 miles of line extensions proposed in the next 10 years.
- 35.00 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: \$46,569,811.
- Estimated funding needs for projects from 6 to 10 years: \$6,687,700.
- Average age of structures: water treatment plants is 42 years; water tanks is 26 years.
- Total number of interconnected systems is 30.
- 27 miles of asbestos concrete pipe currently in use.
- 199 miles of water lines less than 15 years old.
- 987 miles of water lines between 15 and 30 years old.
- 787 miles of water lines between 31 and 50 years old.
- 167 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 85,828 (33,767 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 32.00 miles of water line extensions and approximately 146,448 instances of improved service through the rehabilitation of 35.00 miles of existing water lines and other appurtenances. 3.00 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	12,529	4,999	5,198	96%	\$ 4,250,450
Menifee	6,306	3,744	6,175	2,595	3,585	96%	\$ 1,589,150
Montgomery	26,499	11,699	29,421	11,824	11,661	100%	\$ 5,947,820
Morgan	13,923	5,830	12,824	4,739	5,395	93%	\$ 11,992,091
Rowan	23,333	10,102	24,879	9,610	9,965	99%	\$ 29,478,000
Totals	81,652	36,780	85,828	33,767	35,804	97%	\$ 53,257,511

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	8,943	4,032
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	1,814	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	8,852	4,103
KY1030480	Morehead State University	Rowan	1,707	166
KY1030292	Morehead Utility Plant Board	Rowan	8,074	3,636
KY1030375	Rowan Water, Inc	Rowan	16,110	7,490
		Totals:	85,495	38,339

Project Rankings For Gateway Area Development District

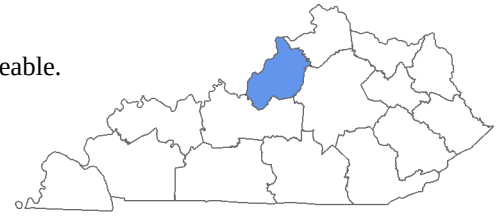
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21165025	Cave Run Water Commission Elevated Water Storage Tank Construction Project	3-5 Years	Fully Funded	\$1,171,350	Menifee	1	1
WX21205048	Regional Water Treatment Plant Construction	0-2 Years	Partially Funded	\$28,428,000	Rowan	2	1
WX21175041	KY HWY 191 Waterline Replacement Project - Phase 2	0-2 Years	Not Funded	\$3,085,000	Morgan	3	1
WX21165026	Cave Run Water Commission Sludge Dewatering Basin:	3-5 Years	Not Funded	\$500,000	Menifee	4	2
WX21173166	Mount Sterling Water and Sewer WTP Expansion Project	3-5 Years	Not Funded	\$500,000	Montgomery	5	1
WX21173149	Reid Village Water District Meter Replacement Project	3-5 Years	Not Funded	\$100,000	Montgomery	6	2
WX21173106	Judy Water Association Meter Change-Out Project	3-5 Years	Not Funded	\$200,000	Montgomery	7	3
WX21011021	Sharpsburg Water District Water Tank Rehab Project	3-5 Years	Not Funded	\$500,000	Bath	8	1
WX21173041	Mt. Sterling Water & Sewer Main Street Water Main Replacement	3-5 Years	Not Funded	\$800,000	Montgomery	9	4
WX21173046	Reid Village Water District Wades Mill Tank Mixing System Projec	3-5 Years	Not Funded	\$20,000	Montgomery	10	5
WX21205051	US. 60 E Replace AC Pipes	3-5 Years	Not Funded	\$750,000	Rowan	11	2
WX21175023	City of West Liberty Johnson Hill Storage Tank Rehabilitation	3-5 Years	Not Funded	\$170,600	Morgan	12	2
WX21173048	City of Jeffersonville Highway 1050 Line Replacement Project	11-20 Years	Not Funded	\$300,000	Montgomery	13	6
WX21173152	Levee Road Water Association Oldham Tank and Mixing System	3-5 Years	Not Funded	\$140,000	Montgomery	14	7
WX21011012	Flat Creek Road Waterline Extension	6-10 Years	Not Funded	\$242,300	Bath	15	2
WX21175044	City of West Liberty Glenn Avenue Broadway, Pointner, Hutchinson	3-5 Years	Not Funded	\$500,000	Morgan	16	3
WX21173125	City of Jeffersonville Welch Road Project - Phase II	0-2 Years	Not Funded	\$250,000	Montgomery	17	8
WX21165017	City of Frenchburg Mountain Ridge Road Waterline Extension	3-5 Years	Not Funded	\$91,150	Menifee	18	3
WX21173137	Levee Road Water Association Line Checking Meter Project	3-5 Years	Not Funded	\$50,000	Montgomery	19	9
WX21175043	MCWD Pump Station Relocation Project	3-5 Years	Not Funded	\$250,000	Morgan	20	4
WX21205050	Rt. 32 Line Replacement	3-5 Years	Not Funded	\$500,000	Rowan	21	3
WX21011019	Sharpsburg Water District Meter Replacement Project	3-5 Years	Not Funded	\$200,000	Bath	22	3
WX21011013	Waterline Replacement Project	3-5 Years	Not Funded	\$1,035,000	Bath	23	4
WX21173101	Montgomery County Water District No. 1 System Improvement Project	11-20 Years	Not Funded	\$300,000	Montgomery	24	10
WX21011016	Bath County Water District Standby Power Generator Project	6-10 Years	Not Funded	\$120,000	Bath	25	5
WX21205044	Rowan Water Inc. New Pump Station and Tank Project	11-20 Years	Not Funded	\$600,000	Rowan	26	4
WX21165022	City of Frenchburg Leatherwood Area Waterline Extension Project	6-10 Years	Not Funded	\$1,432,000	Menifee	27	4
WX21173109	Montgomery County Water District #1 Concrete Abestos Pipe Replacement	11-20 Years	Not Funded	\$400,000	Montgomery	28	11
WX21011030	City of Owingsville Atkinson Road Waterline Extension Project	6-10 Years	Not Funded	\$100,000	Bath	29	6
WX21205035	Morehead Utility Plant Board 801 South Waterline Rehab Project	3-5 Years	Not Funded	\$900,000	Rowan	30	5
WX21205042	Morehead Utility Plant Board Radio Read Meter and Technology Project	3-5 Years	Not Funded	\$700,000	Rowan	31	6
WX21175042	MCWD New Woodsbend Water Storage Tank	0-2 Years	Not Funded	\$500,000	Morgan	32	5
WX21175022	City of West Liberty Highway 519 Water Storage Tank Improvement Project	3-5 Years	Not Funded	\$209,600	Morgan	33	6



Project Rankings For Gateway Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21205034	Morehead Utility Plant Board Waterline Rehab Project	6-10 Years	Not Funded	\$150,000	Rowan	34	7
Total Cost:				\$45,195,000			

Kentuckiana Regional Planning and Development Agency (KIPDA)



- 2010 census population of 959,091 (421,502 households) with 98% serviceable.
- Projected 2020 population of 1,036,344 (change of 77,253).
- 6,359.90 miles of existing water lines.
- 120.00 miles of line extensions proposed in the next 10 years.
- 55.00 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: \$163,049,447.
- Estimated funding needs for projects from 6 to 10 years: \$30,471,028.
- Average age of structures: water treatment plants is 25 years; water tanks is 40 years.
- Total number of interconnected systems is 14.
- 118 miles of asbestos concrete pipe currently in use.
- 71 miles of water lines less than 15 years old.
- 218 miles of water lines between 15 and 30 years old.
- 693 miles of water lines between 31 and 50 years old.
- 1,012 miles of water lines between 51 and 70 years old.
- 51 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 1,036,344 (429,434 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 96,326 serviceable households will be added through the construction of 120.00 miles of water line extensions and approximately 35,664 instances of improved service through the rehabilitation of 55.00 miles of existing water lines and other appurtenances. 42.00 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	83,186	33,363	28,323	97%	\$ 11,378,500
Henry	15,416	6,640	15,617	6,285	6,330	95%	\$ 7,339,729
Jefferson	741,096	337,616	790,010	336,587	334,958	99%	\$ 111,916,708
Oldham	60,316	20,688	69,419	23,441	18,500	89%	\$ 25,420,750
Shelby	42,074	16,606	49,988	18,649	16,197	98%	\$ 19,064,212
Spencer	17,061	6,704	19,451	7,539	6,361	95%	\$ 5,564,172
Trimble	8,809	3,930	8,673	3,570	3,631	92%	\$ 12,836,404
Totals	959,091	421,502	1,036,344	429,434	414,300	98%	\$ 193,520,475

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	19,264	7,662
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	8,864	3,496
KY0930333	Oldham County Water District	Oldham	19,233	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	18,531	7,234
KY1120289	Milton Water & Sewer Department	Trimble	2,392	1,142
KY1120431	Trimble County Water District #1	Trimble	3,511	1,520
		Totals:	942,563	414,823

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21223039	Hardy Creek Waterline Extension	0-2 Years	Not Funded	\$34,962	Trimble	1	1
WX21215005	Bloomfield Road – South SR 55 Upgrade	3-5 Years	Not Funded	\$220,000	Spencer	2	1
WX21029166	Roe Hill Road Area Water Main Extension & Pump Station Project	0-2 Years	Not Funded	\$1,075,700	Bullitt	3	1
WX21185030	Storage Tank US 42 and Liberty Lane	0-2 Years	Partially Funded	\$2,200,000	Oldham	4	1
WX21211089	Kentucky Highway 53 Water System Replacements	0-2 Years	Not Funded	\$3,400,000	Shelby	5	1
WX21111163	Water Main Rehabilitation	3-5 Years	Partially Funded	\$7,455,001	Jefferson	6	1
WX21103050	City of New Castle - Water System Improvements Project	3-5 Years	Not Funded	\$108,000	Henry	7	1
WX21215006	Bloomfield Road North SR 55 - Upgrade	3-5 Years	Not Funded	\$85,000	Spencer	8	2
WX21103008	KY 153 Upgrade	6-10 Years	Not Funded	\$1,175,000	Henry	9	2
WX21029254	Rummage Road	3-5 Years	Not Funded	\$450,000	Bullitt	10	2
WX21211074	Water System Rehabilitation	3-5 Years	Not Funded	\$801,800	Shelby	11	2
WX21223004	Tilley Lane Ext.	3-5 Years	Not Funded	\$125,000	Trimble	12	2
WX21185050	18-inch water main connecting Buckner Crossing with Quality Place	6-10 Years	Not Funded	\$1,600,000	Oldham	13	2
WX21111161	Crittenden Drive, 5018 to 7800 Block	3-5 Years	Not Funded	\$700,000	Jefferson	14	2
WX21215002	Mill Road Upgrade SR 1795	6-10 Years	Not Funded	\$330,000	Spencer	15	3
WX21029256	Grigsby Road	3-5 Years	Not Funded	\$157,500	Bullitt	16	3
WX21211054	US 60 Water District Radio Reads	0-2 Years	Not Funded	\$770,000	Shelby	17	3
WX21111172	Vernetta Way Water Main Extension	3-5 Years	Partially Funded	\$210,000	Jefferson	18	3
WX21215017	Hunter Road Waterline Replacement	0-2 Years	Not Funded	\$128,300	Spencer	19	4
WX21111173	Buttermilk Ridge Rd Main Extension	3-5 Years	Partially Funded	\$165,000	Jefferson	20	4
WX21029257	Vaughn Road	3-5 Years	Not Funded	\$1,080,000	Bullitt	21	4
WX21211052	Clear Creek to Hwy 43	3-5 Years	Not Funded	\$56,074	Shelby	22	4
WX21215020	Mt. Washington Road	0-2 Years	Not Funded	\$488,000	Spencer	23	5
WX21111186	Harrod's Old Trace Main Extension	6-10 Years	Partially Funded	\$362,000	Jefferson	24	5
WX21029255	East Vaughn Road	3-5 Years	Not Funded	\$210,000	Bullitt	25	5
WX21215034	Rice Lane Loop	0-2 Years	Not Funded	\$354,000	Spencer	26	6
WX21215009	Southville Pike – SR 44 Upgrade	3-5 Years	Not Funded	\$375,000	Spencer	27	7
WX21215007	Normandy Road – Upgrade	3-5 Years	Not Funded	\$225,000	Spencer	28	8
WX21103051	Water Treatment Plant Upgrade	3-5 Years	Not Funded	\$5,500,000	Henry	29	3
WX21185025	Goshen Lane Extension	6-10 Years	Not Funded	\$60,000	Oldham	30	3
WX21223010	S. Spillman Lane Ext.	3-5 Years	Not Funded	\$70,000	Trimble	31	3
WX21211019	Tatum Road - Locust Grove Connection	3-5 Years	Not Funded	\$50,000	Shelby	32	5
WX21111178	Supply Potable Water to Unserved Customers In Jefferson, Bullitt, and Oldham County	6-10 Years	Not Funded	\$4,500,000	Jefferson	33	6
WX21029291	Plenmar Drive 4-Inch Water Main Extension	0-2 Years	Not Funded	\$184,000	Bullitt	34	6
WX21215014	Goose Creek Loop Line	3-5 Years	Not Funded	\$90,000	Spencer	35	9
WX21223037	System Reliability Upgrades	0-2 Years	Not Funded	\$480,000	Trimble	36	4



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21185013	Halls Hill Road Extension	3-5 Years	Not Funded	\$360,000	Oldham	37	4
WX21103015	Smithfield Loop	3-5 Years	Not Funded	\$459,500	Henry	38	4
WX21111175	Lead Service Renewals	3-5 Years	Not Funded	\$20,000,000	Jefferson	39	7
WX21029130	Newman Hill Road	6-10 Years	Not Funded	\$231,000	Bullitt	40	7
WX21211038	Busey Extension	3-5 Years	Not Funded	\$56,074	Shelby	41	6
WX21215008	Town Hill Road – Upgrade	3-5 Years	Not Funded	\$80,000	Spencer	42	10
WX21185033	Water Main Along Hwy 53 South to the Shelby County Line	3-5 Years	Not Funded	\$358,000	Oldham	43	5
WX21111027	Chamberlain Lane	6-10 Years	Not Funded	\$132,000	Jefferson	44	8
WX21103019	KY 1359 Loop	3-5 Years	Not Funded	\$42,000	Henry	45	5
WX21211017	Zaring Mill Road Extension	3-5 Years	Not Funded	\$175,000	Shelby	46	7
WX21029208	Walnut & Bank Street Upgrades	3-5 Years	Not Funded	\$79,200	Bullitt	47	8
WX21223028	Watson Lane Waterline Extension	3-5 Years	Not Funded	\$100,000	Trimble	48	5
WX21215004	Elk Creek/Wilsonville Road Upgrade	6-10 Years	Not Funded	\$145,000	Spencer	49	11
WX21185022	Ballardsville Road - Hwy 22 Extension	3-5 Years	Not Funded	\$130,500	Oldham	50	6
WX21211064	Mink Run Extension	11-20 Years	Not Funded	\$7,500	Shelby	51	8
WX21111153	Westport Road	6-10 Years	Not Funded	\$19,850	Jefferson	52	9
WX21029241	Ramblin Road Water Main Extension	3-5 Years	Not Funded	\$86,000	Bullitt	53	9
WX21103057	Turkey Run Waterline	3-5 Years	Not Funded	\$190,229	Henry	54	6
WX21223025	Bucks Run Water Line	6-10 Years	Not Funded	\$18,500	Trimble	55	6
WX21215043	Overlook Road	3-5 Years	Not Funded	\$101,376	Spencer	56	12
WX21029199	Weird Road	11-20 Years	Not Funded	\$119,000	Bullitt	57	10
WX21103010	KY 146 Upgrade	3-5 Years	Not Funded	\$782,500	Henry	58	7
WX21111150	Watterson Trail	6-10 Years	Not Funded	\$51,900	Jefferson	59	10
WX21211028	Ritter Road Extension	3-5 Years	Not Funded	\$8,295	Shelby	60	9
WX21185002	North West Service Area Water Tank	6-10 Years	Not Funded	\$766,000	Oldham	61	7
WX21215013	Mt. Eden Tank Replacement	6-10 Years	Not Funded	\$1,200,000	Spencer	62	13
WX21223032	Cutshaw Lane Upgrade	0-2 Years	Not Funded	\$200,000	Trimble	63	7
WX21211062	Jeptha Knob Water Tank	11-20 Years	Not Funded	\$300,000	Shelby	64	10
WX21215010	Yoder Station Road	6-10 Years	Not Funded	\$65,268	Spencer	65	14
WX21223030	Meter Replacement Project	0-2 Years	Partially Funded	\$400,000	Trimble	66	8
WX21185010	Westport Well Field Acquisition	3-5 Years	Not Funded	\$1,000,000	Oldham	67	8
WX21111151	Watterson Trail	6-10 Years	Not Funded	\$80,000	Jefferson	68	11
WX21103014	Fallen Timber - New Castle	6-10 Years	Not Funded	\$975,000	Henry	69	8
WX21029119	Mooney Lane	11-20 Years	Not Funded	\$133,000	Bullitt	70	11
WX21185019	Old Zaring Road Extension	3-5 Years	Not Funded	\$135,000	Oldham	71	9
WX21111123	Roult Road	11-20 Years	Not Funded	\$25,500	Jefferson	72	12



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21103037	US 42 Tank	3-5 Years	Partially Funded	\$3,254,000	Henry	73	9
WX21029274	Cardinal Road II Water Main Extension and Booster Pump Station	6-10 Years	Not Funded	\$140,000	Bullitt	74	12
WX21211085	Boat Dock Road Water System Extension	0-2 Years	Not Funded	\$68,500	Shelby	75	11
WX21215080	Max Rouse Road	3-5 Years	Not Funded	\$196,416	Spencer	76	15
WX21223009	Schoolhouse Rd Ext.	3-5 Years	Not Funded	\$22,400	Trimble	77	9
WX21185020	Lagrange Road - Hwy 146 Extension	3-5 Years	Not Funded	\$494,000	Oldham	78	10
WX21103048	City of New Castle - College St Water Line Replacement	3-5 Years	Not Funded	\$104,000	Henry	79	10
WX21029113	Longview Drive	6-10 Years	Not Funded	\$22,500	Bullitt	80	13
WX21111042	Dogwood Boulevard	6-10 Years	Not Funded	\$139,000	Jefferson	81	13
WX21215084	Love Lane	11-20 Years	Not Funded	\$38,016	Spencer	82	16
WX21223029	Lower Middle Creek Waterline Extension	6-10 Years	Not Funded	\$300,000	Trimble	83	10
WX21211061	Grubbs Lane	6-10 Years	Not Funded	\$90,000	Shelby	84	12
WX21223033	Milton-Bedford Pike Waterline Extension	3-5 Years	Not Funded	\$150,000	Trimble	85	11
WX21211060	KY 395 to Cook	6-10 Years	Fully Funded	\$37,500	Shelby	86	13
WX21185021	Old Lagrange Road Extension	3-5 Years	Not Funded	\$227,250	Oldham	87	11
WX21103046	Sweeney Lane	3-5 Years	Not Funded	\$135,000	Henry	88	11
WX21029124	Nalley Lane	6-10 Years	Not Funded	\$32,500	Bullitt	89	14
WX21111115	Ridge Road	6-10 Years	Not Funded	\$37,900	Jefferson	90	14
WX21215058	Hwy 248 Extension	3-5 Years	Not Funded	\$84,480	Spencer	91	17
WX21111014	Billtown Road Water Main	6-10 Years	Not Funded	\$48,000	Jefferson	92	15
WX21185011	Camden Road Extension	3-5 Years	Not Funded	\$180,000	Oldham	93	12
WX21211078	North Shelby Bypass Transmission Main	0-2 Years	Not Funded	\$1,732,000	Shelby	94	14
WX21103038	KY 157 Main Upgrade	3-5 Years	Not Funded	\$2,080,000	Henry	95	12
WX21029275	Mills Lane	6-10 Years	Not Funded	\$82,000	Bullitt	96	15
WX21215011	Plum Ridge Road Upgrade	6-10 Years	Not Funded	\$170,000	Spencer	97	18
WX21223022	Highway 625-Mt. Pleasant	6-10 Years	Not Funded	\$55,000	Trimble	98	12
WX21211088	2021 Water System Improvements	0-2 Years	Not Funded	\$1,350,000	Shelby	99	15
WX21103011	Sulphur Transmission Main	3-5 Years	Not Funded	\$546,000	Henry	100	13
WX21029269	South Valley View Drive	6-10 Years	Not Funded	\$86,400	Bullitt	101	16
WX21111005	Alton Road	6-10 Years	Not Funded	\$33,000	Jefferson	102	16
WX21223019	Downtown Milton Eight Inch Extension	3-5 Years	Over Funded	\$140,000	Trimble	103	13
WX21215079	Louisville Road- Highway 31 East	3-5 Years	Not Funded	\$168,960	Spencer	104	19
WX21185018	Sleepy Hollow - Schuler Rd Extension	3-5 Years	Not Funded	\$20,000	Oldham	105	13
WX21029242	Flatlick Road Water Main Extension Phase I	3-5 Years	Not Funded	\$87,450	Bullitt	106	17
WX21111029	Church Rd	6-10 Years	Not Funded	\$40,200	Jefferson	107	17
WX21211086	24 Inch Transmission Main 55 to 53	0-2 Years	Not Funded	\$4,936,500	Shelby	108	16
WX21185051	Central Service Area Water Tank	6-10 Years	Not Funded	\$4,000,000	Oldham	109	14



Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21103013	Kentucky River Loop	3-5 Years	Not Funded	\$480,000	Henry	110	14
WX21223034	Rowlett Lane Waterline Replacement	0-2 Years	Not Funded	\$20,000	Trimble	111	14
WX21215016	Possum Ridge Water Tank & Pump Station Replacement & Town Hill Water Main Replacement	0-2 Years	Partially Funded	\$2,240,000	Spencer	112	20
WX21111116	Rocky Lane	6-10 Years	Not Funded	\$66,400	Jefferson	113	18
WX21185017	South Highway 1694 Extension	3-5 Years	Not Funded	\$390,000	Oldham	114	15
WX21103012	Dawkins Lane - Hwy 146 & Kavanaugh Lane to Hwy. 1606	3-5 Years	Not Funded	\$134,500	Henry	115	15
WX21211047	Harley Thompson Extension/Loop	3-5 Years	Not Funded	\$39,252	Shelby	116	17
WX21029028	Cedar Creek Road	3-5 Years	Not Funded	\$63,250	Bullitt	117	18
WX21223006	Mitchell, Cedar Ridge Rd Ext.	3-5 Years	Not Funded	\$26,000	Trimble	118	15
WX21215057	Fred Bauer Road Extension	3-5 Years	Not Funded	\$12,672	Spencer	119	21
WX21211053	Bellview Extension/Loop	3-5 Years	Not Funded	\$151,399	Shelby	120	18
WX21223005	Bob Green Rd Ext.	3-5 Years	Not Funded	\$19,400	Trimble	121	16
WX21185047	Replace KY Hwy 1793 Storage Tank and Booster Pump Station	3-5 Years	Not Funded	\$2,000,000	Oldham	122	16
WX21103059	New Castle Water Main Replacement (South Main St - KY 421)	3-5 Years	Fully Funded	\$210,000	Henry	123	16
WX21215015	Gordon- Dotson	11-20 Years	Over Funded	\$81,264	Spencer	124	22
WX21029282	Water Main - Kings Hollow Road	3-5 Years	Not Funded	\$288,000	Bullitt	125	19
WX21111077	Kessler Road	6-10 Years	Not Funded	\$155,200	Jefferson	126	19
WX21185032	Larger Main, Hwy 393 to Buckeye Lane	3-5 Years	Not Funded	\$1,050,000	Oldham	127	17
WX21211050	Stony Point Extension/Loop	3-5 Years	Not Funded	\$39,252	Shelby	128	19
WX21111146	Valley View Road	6-10 Years	Not Funded	\$8,600	Jefferson	129	20
WX21103045	Martini Lane to Webb Lane Upgrade	3-5 Years	Not Funded	\$300,000	Henry	130	17
WX21029063	Greenwell Ford Road	3-5 Years	Not Funded	\$630,000	Bullitt	131	20
WX21215085	Little Union/ Hwy 652	11-20 Years	Not Funded	\$109,824	Spencer	132	23
WX21223035	Sunnyside Dr Waterline Replacement	0-2 Years	Not Funded	\$30,000	Trimble	133	17
WX21211063	Bohannon Farm Extension	11-20 Years	Not Funded	\$85,000	Shelby	134	20
WX21111166	Water Main Replacement	3-5 Years	Not Funded	\$6,500,000	Jefferson	135	21
WX21185006	Oldham Co. Water District Wells Installation	3-5 Years	Not Funded	\$750,000	Oldham	136	18
WX21103018	Radcliff Road to Hwy 712	3-5 Years	Not Funded	\$48,000	Henry	137	18
WX21029247	Log Cabin Lane	6-10 Years	Not Funded	\$70,000	Bullitt	138	21
WX21111030	Cleveland Avenue	6-10 Years	Not Funded	\$16,200	Jefferson	139	22
WX21211087	Finchville Elevated Storage Tank & Booster Pump Station	0-2 Years	Not Funded	\$2,624,600	Shelby	140	21
WX21103043	Bunk Ellis Road	3-5 Years	Not Funded	\$50,000	Henry	141	19
WX21111067	Hitt Lane	6-10 Years	Not Funded	\$129,200	Jefferson	142	23
WX21223038	Trimble County Water District #1 System Improvement	0-2 Years	Not Funded	\$1,331,223	Trimble	143	18
WX21029189	Vine Hill Road	11-20 Years	Not Funded	\$42,500	Bullitt	144	22

Project Rankings For Kentuckiana Regional Planning and Development Agency

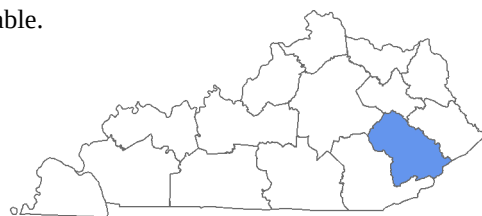
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21211044	Catwalk Extension/Loop	3-5 Years	Not Funded	\$50,466	Shelby	145	22
WX21185049	OCWD 20-Year Master Plan	3-5 Years	Not Funded	\$50,000	Oldham	146	19
WX21223021	Trimble Area Optimization Plan	3-5 Years	Not Funded	\$2,000,000	Trimble	147	19
WX21103033	Albert Moore Road Extension.	3-5 Years	Not Funded	\$80,000	Henry	148	20
WX21029202	Woodrow Lane	11-20 Years	Not Funded	\$10,000	Bullitt	149	23
WX21111075	Kaelin Drive	6-10 Years	Not Funded	\$8,825	Jefferson	150	24
WX21029286	Preston Hwy from Belmont Rd to Timber Ridge Ct Transmission Main	3-5 Years	Not Funded	\$926,000	Bullitt	151	24
WX21111132	South Pope Lick Road	11-20 Years	Not Funded	\$206,500	Jefferson	152	25
WX21029233	Cloverwood Road	11-20 Years	Not Funded	\$25,000	Bullitt	153	26
WX21111108	Overbrook Drive	6-10 Years	Not Funded	\$11,400	Jefferson	154	26
WX21029294	Lebanon Junction Preston Highway Water System Improvements	0-2 Years	Fully Funded	\$315,000	Bullitt	155	25
WX21111091	Memorial Drive	6-10 Years	Not Funded	\$19,900	Jefferson	156	27
WX21029026	Cave Spring Drive	3-5 Years	Not Funded	\$10,000	Bullitt	157	27
WX21111039	Distler Dr.	6-10 Years	Not Funded	\$31,800	Jefferson	158	28
WX21029207	Phelps Road	6-10 Years	Not Funded	\$280,000	Bullitt	159	28
WX21111098	Old Blankenbaker Road	6-10 Years	Not Funded	\$12,000	Jefferson	160	29
WX21029025	Cave Hollow	3-5 Years	Not Funded	\$175,000	Bullitt	161	29
WX21111099	Old Blankenbaker Road	6-10 Years	Not Funded	\$5,800	Jefferson	162	30
WX21111103	Old Taylorsville Road	6-10 Years	Not Funded	\$83,200	Jefferson	163	35
WX21029238	Barricks Road Extension	6-10 Years	Not Funded	\$70,000	Bullitt	164	30
WX21111104	Old Taylorsville Road	11-20 Years	Not Funded	\$32,000	Jefferson	165	32
WX21029090	John Lee Road	6-10 Years	Not Funded	\$105,000	Bullitt	166	31
WX21111105	Old Taylorsville Road	11-20 Years	Not Funded	\$17,600	Jefferson	167	33
WX21029151	Pitts Point South Supply	11-20 Years	Not Funded	\$227,500	Bullitt	168	32
WX21111028	Childers Lane	6-10 Years	Not Funded	\$45,000	Jefferson	169	31
WX21029278	Ritchie Lane	3-5 Years	Not Funded	\$148,000	Bullitt	170	33
WX21111118	Roosevelt Avenue	6-10 Years	Not Funded	\$19,750	Jefferson	171	34
WX21029205	John Harper Highway	6-10 Years	Not Funded	\$360,000	Bullitt	172	34
WX21029204	Bowles Lane	11-20 Years	Not Funded	\$35,000	Bullitt	173	35
WX21111097	Murray Lane	6-10 Years	Not Funded	\$35,050	Jefferson	174	36
WX21029136	Old Ford Road	11-20 Years	Not Funded	\$18,000	Bullitt	175	36
WX21111126	Serendipity Lane	6-10 Years	Not Funded	\$16,600	Jefferson	176	37
WX21029206	Penn Run Road	6-10 Years	Not Funded	\$50,000	Bullitt	177	37
WX21111119	Roosevelt Avenue	6-10 Years	Not Funded	\$4,295	Jefferson	178	38
WX21111114	Powerhouse Lane	6-10 Years	Not Funded	\$23,575	Jefferson	179	39

Project Rankings For Kentuckiana Regional Planning and Development Agency

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21111136	Spring Drive	6-10 Years	Not Funded	\$30,575	Jefferson	180	40
WX21111138	St. Paul's Church Road	6-10 Years	Not Funded	\$18,525	Jefferson	181	41
WX21111169	English Station Storage	3-5 Years	Not Funded	\$10,700,000	Jefferson	182	42
WX21111159	Regional Pipeline	3-5 Years	Not Funded	\$9,347,847	Jefferson	183	43
WX21111187	Lead Service Renewals	3-5 Years	Not Funded	\$1,500,000	Jefferson	184	44
WX21111131	South Jackson Street	6-10 Years	Not Funded	\$11,410	Jefferson	185	45
WX21111155	Wolf Run Road	11-20 Years	Not Funded	\$54,400	Jefferson	186	46
WX21111168	North Shelby Regional Storage	3-5 Years	Not Funded	\$2,500,000	Jefferson	187	47
WX21111189	Lead Service Renewals Project	0-2 Years	Not Funded	\$3,500,000	Jefferson	188	48
WX21111128	Snawder Lane	6-10 Years	Not Funded	\$43,000	Jefferson	189	49
WX21111177	Clean and Reline Crescent Hill Raw Water Reservoirs	3-5 Years	Not Funded	\$3,000,000	Jefferson	190	50
WX21111096	Murray Lane	6-10 Years	Not Funded	\$133,000	Jefferson	191	51
WX21111137	Springdale Road	6-10 Years	Not Funded	\$192,800	Jefferson	192	52
WX21111191	Bardstown Regional Water Storage	0-2 Years	Not Funded	\$6,500,000	Jefferson	193	53
WX21111111	Plebe Court	6-10 Years	Not Funded	\$10,210	Jefferson	194	54
WX21111090	McCrea Lane	6-10 Years	Not Funded	\$9,500	Jefferson	195	55
WX21111152	Wendler Road	11-20 Years	Not Funded	\$139,750	Jefferson	196	56
WX21111106	Old Whipps Mill Road	6-10 Years	Not Funded	\$23,000	Jefferson	197	57
WX21111160	Technology Park Water Main	0-2 Years	Not Funded	\$800,536	Jefferson	198	58
WX21111140	Sylvania Road	6-10 Years	Not Funded	\$44,000	Jefferson	199	59
WX21111125	Seibel Court	6-10 Years	Not Funded	\$25,700	Jefferson	200	60
WX21111110	Pirtle Street	6-10 Years	Not Funded	\$12,500	Jefferson	201	61
WX21111052	Elda Drive	6-10 Years	Not Funded	\$174,000	Jefferson	202	62
WX21111142	Tindor Way	6-10 Years	Not Funded	\$55,000	Jefferson	203	63
WX21111174	Interstate 265 Transmission Supply	3-5 Years	Not Funded	\$5,000,000	Jefferson	204	64
WX21111127	Smith Road	6-10 Years	Not Funded	\$143,000	Jefferson	205	65
WX21111188	Louisville Water Co Amr/Ami Program	6-10 Years	Not Funded	\$3,500,000	Jefferson	206	66
WX21111167	Belknap Campus Research Park	3-5 Years	Not Funded	\$917,000	Jefferson	207	67
WX21111130	South Beckley Station Road	11-20 Years	Not Funded	\$30,755	Jefferson	208	68
WX21111135	Spotswood Lane	11-20 Years	Not Funded	\$57,800	Jefferson	209	69
WX21111164	Hardin County/FT Knox Transmission	3-5 Years	Partially Funded	\$19,492,000	Jefferson	210	70
WX21111147	Vassar Avenue	6-10 Years	Not Funded	\$14,500	Jefferson	211	71
Total Cost:				\$179,298,306			

Kentucky River Area Development District (KRADD)

- 2010 census population of 114,762 (52,786 households) with 90% serviceable.
- Projected 2020 population of 104,801 (change of -9,961).
- 2,628.99 miles of existing water lines.
- 229.00 miles of line extensions proposed in the next 10 years.
- 70.00 miles of line rehabilitation proposed in the next 10 years.
- 21.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$177,740,983.
- Estimated funding needs for projects from 6 to 10 years: \$5,457,414.
- Average age of structures: water treatment plants is 35 years; water tanks is 22 years.
- Total number of interconnected systems is 21.
- 45 miles of asbestos concrete pipe currently in use.
- 962 miles of water lines less than 15 years old.
- 1,081 miles of water lines between 15 and 30 years old.
- 518 miles of water lines between 31 and 50 years old.
- 59 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 104,801 (43,450 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 3,402 serviceable households will be added through the construction of 229.00 miles of water line extensions and approximately 74,268 instances of improved service through the rehabilitation of 70.00 miles of existing water lines and other appurtenances. 21.00 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	12,817	5,328	5,612	90%	\$ 22,470,771
Knott	16,346	7,461	14,841	6,011	7,122	96%	\$ 15,801,519
Lee	7,887	3,436	6,433	2,774	3,121	91%	\$ 1,518,421
Leslie	11,310	5,278	10,144	4,197	4,779	91%	\$ 8,836,000
Letcher	24,519	11,601	22,207	9,435	9,286	80%	\$ 77,767,620
Owsley	4,755	2,328	4,300	1,800	2,227	96%	\$ 9,477,116
Perry	28,712	12,791	26,777	10,751	12,144	95%	\$ 39,133,550
Wolfe	7,355	3,660	7,282	3,154	3,295	90%	\$ 8,193,400
Totals	114,762	52,786	104,801	43,450	47,586	90%	\$ 183,198,397

Community Drinking Water Systems in Kentucky River Area Development District County

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

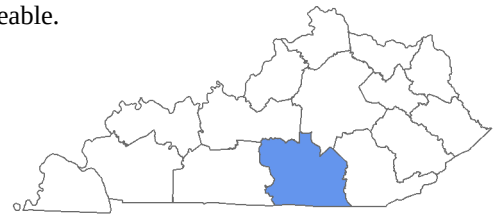
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0131012	Breathitt County Water District	Breathitt	7,411	3,275
KY0130208	Jackson Municipal Water Works	Breathitt	4,801	2,213
KY0600198	Hindman Water Department	Knott	2,930	1,413
KY0600062	Knott Co Water & Sewer District	Knott	11,854	5,345
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	10,736	5,063
KY0670466	Whitesburg Water System	Letcher	3,203	1,482
KY0950036	Booneville Water and Sewer	Owsley	4,787	2,341
KY0970184	Hazard Water Department	Perry	23,684	10,600
KY0970484	Perry County Water & Sewer	Perry	3,020	1,323
KY0971007	Village of Buckhorn	Perry	986	419
KY1190061	Campton Water System	Wolfe	6,715	3,362
		Totals:	103,647	47,643

Project Rankings For Kentucky River Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21133054	Regional Interconnect & Distribution Lines Cumberland River Ph4	3-5 Years	Partially Funded	\$3,696,034	Letcher	1	1
WX21131011	Phase III a Water System Improvements	3-5 Years	Not Funded	\$3,060,000	Leslie	2	1
WX21193034	Buckhorn Water Treatment Plant	3-5 Years	Not Funded	\$7,450,700	Perry	3	1
WX21119025	Garner MT Pump Station Replacement Project	3-5 Years	Not Funded	\$503,700	Knott	4	2
WX21189500	Booneville Radio Read Meter Project	3-5 Years	Not Funded	\$1,000,000	Owsley	5	1
WX21237746	Campton South Valeria Water Extension Project	3-5 Years	Not Funded	\$2,054,000	Wolfe	6	1
WX21133056	Elkhorn Lake Improvements	3-5 Years	Not Funded	\$2,580,000	Letcher	7	2
WX21131002	Phase III b Water System Improvements	3-5 Years	Partially Funded	\$4,621,000	Leslie	8	2
WX21119026	Waterline Extensions (Last Mile) and WTP Improvement Project	3-5 Years	Not Funded	\$1,496,330	Knott	9	1
WX21025051	Jackson Water Treatment Plant Upgrade	3-5 Years	Not Funded	\$1,994,812	Breathitt	10	1
WX21129004	Beattyville - Bear Track Waterline Replacement	3-5 Years	Not Funded	\$700,000	Lee	11	1
WX21193035	Rowdy Low Gap Water Project	3-5 Years	Not Funded	\$1,620,100	Perry	12	2
WX21119017	Knott - Hwy 1098 Extensions*	6-10 Years	Not Funded	\$2,857,414	Knott	13	3
WX21025055	Breathitt Waterline Extensions Phase 3	3-5 Years	Not Funded	\$750,000	Breathitt	14	2
WX21189011	Booneville Water Treatment Plant Rehabilitation	3-5 Years	Not Funded	\$1,739,000	Owsley	15	2
WX21025058	Water Treatment Plant Upgrade Capacity	3-5 Years	Not Funded	\$3,902,000	Breathitt	16	3
WX21193030	Water Distribution Rehabilitation Project - PCWS Phase II	0-2 Years	Not Funded	\$680,000	Perry	17	3
WX21133038	Waterline Improvement Project Phase 3	3-5 Years	Not Funded	\$1,584,886	Letcher	18	3
WX21237014	Hazel Green Water Line Extension	3-5 Years	Not Funded	\$2,499,500	Wolfe	19	2
WX21237013	Trent Fork Road Water Line Project	0-2 Years	Not Funded	\$189,900	Wolfe	20	3
WX21131004	Phase IV Water System Improvements	3-5 Years	Not Funded	\$1,263,500	Leslie	21	3
WX21189009	Booneville Pump Repairs Phase II	0-2 Years	Not Funded	\$154,016	Owsley	22	3
Total Cost:				\$46,396,892			

Lake Cumberland Area Development District (LCADD)

- 2010 census population of 207,256 (101,129 households) with 96% serviceable.
- Projected 2020 population of 209,833 (change of 2,577).
- 5,653.04 miles of existing water lines.
- 166.00 miles of line extensions proposed in the next 10 years.
- 85.00 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: \$112,499,922.
- Estimated funding needs for projects from 6 to 10 years: \$6,334,108.
- Average age of structures: water treatment plants is 44 years; water tanks is 31 years.
- Total number of interconnected systems is 24.
- 56 miles of asbestos concrete pipe currently in use.
- 417 miles of water lines less than 15 years old.
- 1,820 miles of water lines between 15 and 30 years old.
- 2,778 miles of water lines between 31 and 50 years old.
- 523 miles of water lines between 51 and 70 years old.
- 156 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 209,833 (86,964 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 385 serviceable households will be added through the construction of 166.00 miles of water line extensions and approximately 54,258 instances of improved service through the rehabilitation of 85.00 miles of existing water lines and other appurtenances. 54.00 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	19,180	7,821	7,719	90%	\$ 7,528,655
Casey	15,955	7,487	15,521	6,456	7,385	99%	\$ 10,006,000
Clinton	10,272	5,311	10,220	4,423	5,261	99%	\$ 5,236,700
Cumberland	6,856	3,690	6,585	2,846	3,572	97%	\$ 3,240,000
Green	11,258	5,324	10,716	4,608	5,184	97%	\$ 10,475,344
McCreary	18,306	7,507	17,840	6,571	6,615	88%	\$ 12,197,060
Pulaski	63,063	31,443	65,677	27,371	30,645	98%	\$ 38,214,935
Russell	17,565	9,993	17,949	7,630	9,829	98%	\$ 4,264,885
Taylor	24,512	10,864	25,945	10,388	10,578	97%	\$ 14,740,315
Wayne	20,813	10,942	20,200	8,850	9,799	90%	\$ 12,930,136
Totals	207,256	101,129	209,833	86,964	96,587	96%	\$ 118,834,030

Community Drinking Water Systems in Lake Cumberland Area Development District County

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

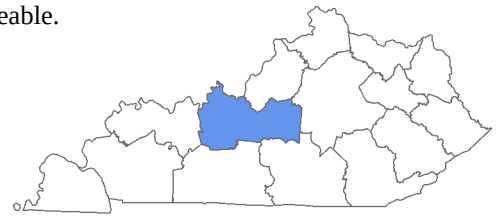
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0011016	Columbia/Adair Utilities District Water System	Adair	16,758	7,626
KY0230556	East Casey County Water District	Casey	12,184	5,804
KY0230987	Liberty Water & Gas	Casey	2,301	1,004
KY0270003	Albany Municipal Water & Sewer	Clinton	10,094	5,206
KY0290049	Burkesville Municipal Water Works	Cumberland	1,949	967
KY0290271	Cumberland County Water District	Cumberland	4,792	2,623
KY0440167	Green-Taylor Water District	Green	11,307	5,162
KY0440168	Greensburg Water Department	Green	2,283	1,137
KY0740276	McCreary County Water District	McCreary	16,057	6,614
KY1000043	Bronston Water Association	Pulaski	3,180	2,020
KY1000050	Burnside Municipal Water Works	Pulaski	1,388	800
KY1000124	Eubank Water System	Pulaski	10,056	4,426
KY1000362	Science Hill Water Works	Pulaski	4,812	2,084
KY1000403	Somerset Utilities	Pulaski	17,537	8,446
KY1000311	Southeastern Water Association	Pulaski	14,661	7,848
KY1000363	Western Pulaski County Water District	Pulaski	16,871	8,908
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	4,894
KY1090060	Campbellsville Municipal Water & Sewer System	Taylor	21,053	9,374
KY1160291	Monticello Utility Commission	Wayne	17,517	8,643
		Totals:	201,757	98,143

Project Rankings For Lake Cumberland Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21231018	New Powersburg BPS, Wray Hill BPS and Storage Tank Replacements, and Miscellaneous Water Line Improvements	0-2 Years	Not Funded	\$3,087,000	Wayne	1	1
WX21199051	Burnside – Tank Cleaning & Painting Project	0-2 Years	Not Funded	\$175,000	Pulaski	2	1
WX21199138	Faubush/Nancy Area Water Transmission Main	3-5 Years	Not Funded	\$4,750,000	Pulaski	3	1
WX21199142	WPCWD-Water System Improvements Master Meter Installation	0-2 Years	Not Funded	\$1,300,000	Pulaski	4	2
WX21199137	2022 Water System Improvements and Replacements Project	0-2 Years	Not Funded	\$1,410,000	Pulaski	5	2
WX21199143	WPCWD-Water System Improvements Radio Read Meter System	3-5 Years	Not Funded	\$2,500,000	Pulaski	6	3
WX21199141	WPCWD-Bourbon Water Storage Tank Replacement	3-5 Years	Not Funded	\$3,000,000	Pulaski	7	4
WX21147022	MCWD – New Pine Knot & Marshes Sidings Storage Tanks	0-2 Years	Not Funded	\$4,596,000	McCreary	8	1
WX21199048	Burnside – Phase IV Elevated Water Tank	0-2 Years	Not Funded	\$611,000	Pulaski	9	3
Total Cost:				\$21,429,000			

Lincoln Trail Area Development District (LTADD)

- 2010 census population of 269,117 (116,687 households) with 96% serviceable.
- Projected 2020 population of 280,073 (change of 10,956).
- 5,165.78 miles of existing water lines.
- 393.00 miles of line extensions proposed in the next 10 years.
- 53.00 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: \$198,688,580.
- Estimated funding needs for projects from 6 to 10 years: \$12,545,400.
- Average age of structures: water treatment plants is 52 years; water tanks is 31 years.
- Total number of interconnected systems is 29.
- 101 miles of asbestos concrete pipe currently in use.
- 682 miles of water lines less than 15 years old.
- 1,339 miles of water lines between 15 and 30 years old.
- 1,011 miles of water lines between 31 and 50 years old.
- 1,563 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 280,073 (112,188 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 2,287 serviceable households will be added through the construction of 393.00 miles of water line extensions and approximately 177,211 instances of improved service through the rehabilitation of 53.00 miles of existing water lines and other appurtenances. 54.00 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	19,973	8,157	8,438	79%	\$ 40,429,113
Grayson	25,746	13,561	26,433	10,478	13,411	99%	\$ 21,867,631
Hardin	105,543	43,261	112,494	44,237	42,644	99%	\$ 61,385,183
Larue	14,193	6,172	14,311	5,887	6,140	100%	\$ 28,368,165
Marion	19,820	8,182	19,640	7,984	8,088	99%	\$ 19,758,860
Meade	28,602	11,762	27,395	11,401	10,425	89%	\$ 15,796,028
Nelson	43,437	18,075	47,473	19,200	17,888	99%	\$ 13,809,000
Washington	11,717	5,044	12,354	4,844	4,944	98%	\$ 9,820,000
Totals	269,117	116,687	280,073	112,188	111,978	96%	\$ 211,233,980

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	12,468	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	14,246	6,996
KY0430244	Leitchfield Utilities	Grayson	6,547	2,956
KY0470990	Hardin Co. Water District No. 1 Fort Knox System	Hardin	10,069	2,948
KY0470175	Hardin County Water District #2	Hardin	66,756	28,086
KY0470393	Hardin County Water District No. 1	Hardin	26,754	11,435
KY0470440	Vine Grove Water Department	Hardin	4,420	1,852
KY0470455	West Point Water Department	Hardin	898	473
KY0620200	Hodgenville Water Works	Larue	4,044	1,746
KY0620237	Larue County Water District #1	Larue	9,056	3,861
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	3,324	1,422
KY0820369	Meade County Water District	Meade	16,027	6,225
KY0820481	Muldraugh Water Department	Meade	941	537
KY0900017	Bardstown Municipal Water Department	Nelson	25,403	10,746
KY0900031	Bloomfield Water & Sewer Department	Nelson	4,597	1,966
KY0900312	New Haven Municipal Water Works	Nelson	1,363	584
KY0900323	North Nelson Water District	Nelson	10,947	4,344
KY1150415	Springfield Water & Sewer Commission	Washington	10,414	4,499
		Totals:	253,296	108,325

Project Rankings For Lincoln Trail Area Development District

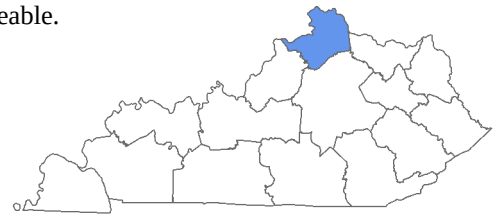
PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21229013	SWSC Interconnection Project	3-5 Years	Not Funded	\$4,700,000	Washington	1	1
WX21027046	Cloverport Service Line Replacement & Extension	3-5 Years	Not Funded	\$430,810	Breckinridge	2	1
WX21085037	GCWD East - West Improvements II	0-2 Years	Not Funded	\$7,231,000	Grayson	3	1
WX21123020	Hodgenville Smith Plaza Tower Replacement/Upgrade	3-5 Years	Not Funded	\$300,000	Larue	4	1
WX21093039	HCWD #1 - New Elevated Storage Tank	3-5 Years	Not Funded	\$4,000,000	Hardin	5	1
WX21163007	Brandenburg Old State Road Replacement	3-5 Years	Not Funded	\$2,940,000	Meade	6	1
WX21179014	Bloomfield Water System Improvements	3-5 Years	Not Funded	\$800,000	Nelson	7	1
WX21229012	Beech Fork Raw Water Intake	3-5 Years	Not Funded	\$500,000	Washington	8	3
WX21163023	Muldraugh Finished Water Connection	3-5 Years	Not Funded	\$455,000	Meade	9	3
WX21027028	City of Hardinsburg - Extension Area A	0-2 Years	Not Funded	\$1,379,590	Breckinridge	10	3
WX21163024	Meade Co. Water District 2019 System Improvements	0-2 Years	Not Funded	\$2,506,170	Meade	11	2
WX21093009	HCWD #2 New Elevated Tank	3-5 Years	Not Funded	\$3,000,000	Hardin	12	2
WX21123031	LCWD #1 Buffalo Water Tank Rehabilitation	3-5 Years	Not Funded	\$295,200	Larue	13	2
WX21093019	Back Up Generator for Elizabethtown WTP	3-5 Years	Not Funded	\$250,000	Hardin	14	4
WX21123029	LaRue Co. W.D. Main Trunk Line	3-5 Years	Not Funded	\$3,359,000	Larue	15	4
WX21155037	Marion County Water District Highway 49N Phase II	3-5 Years	Not Funded	\$350,000	Marion	16	1
WX21027029	City of Hardinsburg - Extension Area B	3-5 Years	Not Funded	\$1,315,980	Breckinridge	17	4
WX21027030	Hardinsburg - KY 690 Exten.	3-5 Years	Not Funded	\$1,589,150	Breckinridge	18	5
WX21093050	White Mills Intake, Eastview Tank, and Waterline Upgrades	0-2 Years	Not Funded	\$6,675,000	Hardin	19	5
WX21123030	LCWD #1 New Treatment Plant	6-10 Years	Not Funded	\$12,255,000	Larue	20	5
WX21155045	Lebanon Water Works 2020 Tank Project	0-2 Years	Not Funded	\$5,972,300	Marion	21	3
WX21093034	HCWD#2 Cecilia Pump Station Emergency Power	3-5 Years	Not Funded	\$500,000	Hardin	22	3
WX21027027	Hardinsburg- KY108 Kirk Glen Dean Rd Ext.	3-5 Years	Not Funded	\$1,490,910	Breckinridge	23	7
WX21229005	City of Springfield Waterline Replacement/Upgrade	3-5 Years	Not Funded	\$1,000,000	Washington	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
WX21155032	Marion Co. Water District McElroy Phase 3	3-5 Years	Not Funded	\$269,900	Marion	27	2
WX21229010	Springfield - Willisburg Lake Improvements	3-5 Years	Not Funded	\$1,500,000	Washington	28	4
WX21027008	Rehabilitation of Irvington Water System	3-5 Years	Not Funded	\$1,004,055	Breckinridge	29	2
WX21179015	Bloomfield Water Line Extensions and Telemetry	3-5 Years	Not Funded	\$675,000	Nelson	30	3
WX21085007	City of Leitchfield-Water Tower	3-5 Years	Not Funded	\$1,325,000	Grayson	31	4
WX21155036	Marion County Water District Lebanon Bypass Elevated Tank	3-5 Years	Not Funded	\$2,055,000	Marion	32	4
WX21163025	Lawrence St. and Ekron Rd. Improvements	3-5 Years	Not Funded	\$842,000	Meade	33	4
WX21085030	Leitchfield Water AMR Upgrade Project	0-2 Years	Not Funded	\$306,500	Grayson	34	5
WX21155046	Raywick Area Water System Replacement	0-2 Years	Not Funded	\$600,000	Marion	35	5
WX21085024	City of Caneyville- Tank Mixing Upgrade	3-5 Years	Not Funded	\$250,000	Grayson	36	3

Project Rankings For Lincoln Trail Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21085032	Caneyville Meter Replacement / Upgrade Project	0-2 Years	Not Funded	\$233,000	Grayson	37	2
WX21179010	North Nelson Hwy 245 Replacement	3-5 Years	Not Funded	\$450,500	Nelson	38	5
WX21229006	Springfield New Raw Water Pump	3-5 Years	Not Funded	\$750,000	Washington	39	5
WX21027044	Hardinsburg Water Treatment Plant Expansion Phase I	3-5 Years	Not Funded	\$5,700,000	Breckinridge	40	6
WX21163008	Brandenburg Valve Replacement Project	3-5 Years	Not Funded	\$125,000	Meade	41	5
Total Cost:				\$80,029,165			

Northern Kentucky Area Development District (NKADD)

- 2010 census population of 438,647 (185,049 households) with 97% serviceable.
- Projected 2020 population of 470,233 (change of 31,586).
- 3,592.32 miles of existing water lines.
- 446.00 miles of line extensions proposed in the next 10 years.
- 48.00 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: \$260,749,442.
- Estimated funding needs for projects from 6 to 10 years: \$37,967,425.
- Average age of structures: water treatment plants is 40 years; water tanks is 15 years.
- Total number of interconnected systems is 24.
- 30 miles of asbestos concrete pipe currently in use.
- 208 miles of water lines less than 15 years old.
- 1,002 miles of water lines between 15 and 30 years old.
- 1,729 miles of water lines between 31 and 50 years old.
- 329 miles of water lines between 51 and 70 years old.
- 289 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 470,233 (186,841 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 3,115 serviceable households will be added through the construction of 446.00 miles of water line extensions and approximately 428,878 instances of improved service through the rehabilitation of 48.00 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	139,018	52,880	44,335	96%	\$ 35,770,430
Campbell	90,336	39,523	92,898	38,574	38,588	98%	\$ 66,090,005
Carroll	10,811	4,696	10,766	4,109	4,646	99%	\$ 8,202,824
Gallatin	8,589	3,786	8,857	3,420	3,714	98%	\$ 661,500
Grant	24,662	9,942	24,793	9,084	9,802	99%	\$ 74,603,468
Kenton	159,720	68,975	169,386	68,753	67,766	98%	\$ 74,617,679
Owen	10,841	5,634	10,464	4,382	5,021	89%	\$ 13,893,318
Pendleton	14,877	6,339	14,051	5,639	5,821	92%	\$ 24,877,643
Totals	438,647	185,049	470,233	186,841	179,693	97%	\$ 298,716,867

Community Drinking Water Systems in Northern Kentucky Area Development District County

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

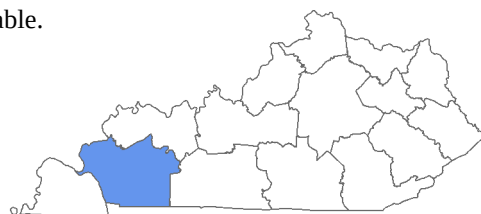
PWSID	System Name	Primary County	Serviceable Counts	
			Population	Households
KY0080034	Boone County Water District	Boone	75,972	27,864
KY0081013	Boone-Florence Water Commission	Boone	91	57
KY0080135	Florence Water & Sewer Commission	Boone	30,727	13,437
KY0080442	Walton Waterworks Department	Boone	3,887	1,550
KY0210066	Carroll County Water District #1	Carroll	6,223	3,081
KY0210067	Carrollton Utilities	Carroll	4,629	1,971
KY0210008	West Carroll Water District - Carrollton	Carroll	2,377	1,048
KY0210637	West Carroll Water District - Milton	Carroll	94	50
KY0390130	Gallatin County Water District	Gallatin	5,326	2,240
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	1,310
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	242,910	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:	417,611	175,536

Project Rankings For Northern Kentucky Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21081009	Humes Ridge Water Tank Replacement	0-2 Years	Not Funded	\$2,659,305	Grant	1	1
WX21041005	Carroll County Regional Nexus Project	0-2 Years	Not Funded	\$3,220,858	Carroll	2	1
WX21191008	Tank Rehabilitation and Water Main Improvements	0-2 Years	Not Funded	\$615,420	Pendleton	3	1
WX21037007	Campbell County Water Line Extension	0-2 Years	Not Funded	\$1,276,500	Campbell	4	1
WX21117212	Water Main Replacement Project	0-2 Years	Not Funded	\$6,500,000	Kenton	5	10
WX21015301	Boone-Florence Water Commission - Northwest Water Storage Tank	0-2 Years	Not Funded	\$5,000,000	Boone	6	1
WX21081010	Bullock Pen Water Treatment Plant Replacement - Design Loan	0-2 Years	Not Funded	\$8,709,500	Grant	7	2
WX21041003	500K Carroll and Gallatin County Hwy. 42 Elevated Industrial Tan	0-2 Years	Not Funded	\$1,861,400	Carroll	8	2
WX21037310	NKWD - Campbell County Unserved and Underserved Project 2012 - Subdistrict J	0-2 Years	Not Funded	\$6,130,143	Campbell	9	2
WX21117303	NKWD - Kenton County Unserved Water Project 2013 (Subdistrict O)	0-2 Years	Not Funded	\$5,411,709	Kenton	10	20
WX21041009	Ghent Improvements	0-2 Years	Not Funded	\$489,300	Carroll	11	3
WX21037311	NKWD - Newport/Bellevue/Dayton Water Main Replacement Project	0-2 Years	Not Funded	\$6,500,000	Campbell	12	3
Total Cost:				\$48,374,135			

Pennyriple Area Development District (PEADD)

- 2010 census population of 219,305 (97,910 households) with 96% serviceable.
- Projected 2020 population of 216,553 (change of -2,752).
- 5,267.47 miles of existing water lines.
- 159.00 miles of line extensions proposed in the next 10 years.
- 125.00 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: \$246,849,648.
- Estimated funding needs for projects from 6 to 10 years: \$16,175,000.
- Average age of structures: water treatment plants is 48 years; water tanks is 32 years.
- Total number of interconnected systems is 58.
- 851 miles of asbestos concrete pipe currently in use.
- 395 miles of water lines less than 15 years old.
- 842 miles of water lines between 15 and 30 years old.
- 1,599 miles of water lines between 31 and 50 years old.
- 1,998 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 216,553 (84,708 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 3,622 serviceable households will be added through the construction of 159.00 miles of water line extensions and approximately 115,435 instances of improved service through the rehabilitation of 125.00 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	12,633	5,237	6,222	99%	\$ 5,566,388
Christian	73,955	29,459	74,027	26,666	26,632	90%	\$ 78,320,921
Crittenden	9,315	4,569	9,103	3,720	4,336	95%	\$ 3,010,000
Hopkins	46,920	21,180	45,565	18,902	20,779	98%	\$ 22,161,962
Livingston	9,519	4,824	9,131	3,909	4,654	97%	\$ 6,342,000
Lyon	8,314	4,791	8,476	3,420	4,705	98%	\$ 4,375,128
Muhlenberg	31,499	13,699	30,582	11,913	13,416	98%	\$ 19,858,348
Todd	12,460	5,286	12,641	4,817	5,165	98%	\$ 114,027,000
Trigg	14,339	7,810	14,395	6,124	7,647	98%	\$ 9,362,901
Totals	219,305	97,910	216,553	84,708	93,556	96%	\$ 263,024,648

Community Drinking Water Systems in Pennyriple 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	5,103	2,445
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	1,141	449
KY0540936	Madisonville Municipal Utilities	Hopkins	21,919	10,224
KY0540269	Mortons Gap Water Department	Hopkins	862	399
KY0540977	Nebo Water District	Hopkins	3,774	1,551
KY0540138	North Hopkins Water District	Hopkins	3,122	1,316
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	9,023	4,506
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	771	411
KY0720933	Lyon County Water District	Lyon	4,039	2,944
KY0890071	Central City Municipal Water & Sewer System	Muhlenberg	4,955	2,288
KY0890106	Drakesboro Water & Sewer	Muhlenberg	688	320
KY0890170	Greenville Utilities Commission	Muhlenberg	4,788	2,155
KY0890302	Muhlenberg County Water District #1	Muhlenberg	14,065	6,180
KY0890304	Muhlenberg County Water District #3	Muhlenberg	4,951	2,218
KY1100121	Elkton Utilities	Todd	2,154	949
KY1100171	Guthrie Water Works	Todd	1,448	654
KY1100944	Todd County Water District	Todd	8,802	3,949
KY1100428	Trenton Water Works	Todd	589	272
KY1110019	Barkley Lake Water District	Trigg	10,197	5,912
KY1110054	Cadiz Water & Sewer Commission	Trigg	4,028	1,854
		Totals:	201,111	93,815



Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21177042	Drakesboro - Water System Improvements	0-2 Years	Not Funded	\$1,062,450	Muhlenberg	1	1
WX21107049	North Hopkins System Improvement Project	0-2 Years	Not Funded	\$1,140,000	Hopkins	2	1
WX21033016	Caldwell County WD - Leak Detection Meter Installation Project	0-2 Years	Not Funded	\$400,000	Caldwell	3	1
WX21143017	LCWD - Water System and Storage Tank Improvements Project	0-2 Years	Fully Funded	\$2,094,675	Lyon	4	1
WX21221017	BLWD - Rockcastle Rd Waterline Replacement	3-5 Years	Not Funded	\$430,000	Trigg	5	1
WX21219024	Elkton - Water Storage Tank Improvements	3-5 Years	Not Funded	\$200,000	Todd	6	1
WX21055014	Marion - Clearwell and Tank Rehabilitation Project	3-5 Years	Not Funded	\$400,000	Crittenden	7	1
WX21139027	Salem - Water Main Replacement Project	0-2 Years	Fully Funded	\$585,000	Livingston	8	1
WX21047023	Oak Grove - Water Meter Replacement Project	3-5 Years	Not Funded	\$600,000	Christian	9	1
WX21107055	Hanson - Line Upgrades & Valve Installation Project	0-2 Years	Not Funded	\$558,512	Hopkins	10	2
WX21033017	Fredonia - Tank Rehabilitation	3-5 Years	Not Funded	\$200,000	Caldwell	11	2
WX21221009	Cadiz - IGA Water Tank Replacement	3-5 Years	Not Funded	\$957,000	Trigg	12	2
WX21107054	Nebo - Pump Station Rehabilitation and AMR Project	0-2 Years	Not Funded	\$1,152,700	Hopkins	13	3
WX21047040	HWEA SRF Phase V Water System Improvements	0-2 Years	Not Funded	\$22,527,000	Christian	14	2
WX21139035	Ledbetter Water Well Improvements	0-2 Years	Not Funded	\$365,000	Livingston	15	2
WX21143018	Kuttawa - New Water Treatment Plant Project	3-5 Years	Not Funded	\$550,000	Lyon	16	2
WX21055017	Marion - Water Meter Replacement Project	0-2 Years	Not Funded	\$185,500	Crittenden	17	2
WX21177023	Muhlenberg County Water District #1 - Hwy 176 Water Main Replacement Project	0-2 Years	Not Funded	\$1,220,663	Muhlenberg	18	2
WX21219038	Guthrie - AMR Meter Replacement Project	0-2 Years	Not Funded	\$163,500	Todd	19	2
WX21033021	Princeton - Water Line Improvements	0-2 Years	Not Funded	\$1,426,000	Caldwell	20	3
WX21047036	Christian County Water District Princeton Road Tank & System Upgrade	3-5 Years	Not Funded	\$1,750,000	Christian	21	3
WX21221013	Cadiz - Line Rehabilitation - Will Jackson Road Hwy 778	3-5 Years	Not Funded	\$962,500	Trigg	22	3
WX21107056	Earlington - Hwy 336 & Flat Creek Rd Water Line Extension	0-2 Years	Not Funded	\$704,490	Hopkins	23	4
WX21139036	Grand Rivers - East Side Water Distribution Improvements Phase I	0-2 Years	Not Funded	\$183,100	Livingston	24	3
WX21143016	Eddyville - Water Treatment Plant Rehabilitation Project	0-2 Years	Not Funded	\$78,750	Lyon	25	3
WX21177048	Muhlenberg #3 - Water Tank Improvements Project	0-2 Years	Not Funded	\$136,500	Muhlenberg	26	3
WX21033023	Caldwell County WD - Water Main Replacement Project	0-2 Years	Not Funded	\$365,500	Caldwell	27	4
WX21107058	White Plains - Water Line Replacement Project	3-5 Years	Not Funded	\$615,000	Hopkins	28	5
WX21219014	Trenton - Water System Improvements	3-5 Years	Not Funded	\$400,000	Todd	29	3
WX21107063	Madisonville - Water Loss and Asset Management Analysis	0-2 Years	Not Funded	\$1,500,000	Hopkins	30	6
WX21047019	Oak Grove - Hugh Hunter Road Waterline Replacement	0-2 Years	Not Funded	\$865,000	Christian	31	4
WX21177025	Muhlenberg County Water District #1 - Tank Rehabilitation Project	3-5 Years	Partially Funded	\$922,885	Muhlenberg	32	4
WX21139037	Grand Rivers - East Side Water Distribution Improvements Phase II	0-2 Years	Not Funded	\$289,500	Livingston	33	4
WX21055011	CLWD - Line Extensions (Crittenden)	3-5 Years	Not Funded	\$975,000	Crittenden	34	3
WX21143011	City of Kuttawa - I-24 Water Storage Tank	3-5 Years	Not Funded	\$700,000	Lyon	35	4



Project Rankings For Pennyrile Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21221008	Barkley Lake Water District - Water Line Extension	3-5 Years	Not Funded	\$3,850,000	Trigg	36	4
WX21139038	Grand Rivers - East Side Water Distribution Improvements Phase III	0-2 Years	Not Funded	\$320,400	Livingston	37	5
WX21047027	HWEA - Crofton Water Line Replacement	0-2 Years	Not Funded	\$4,060,995	Christian	38	5
WX21177043	Muhlenberg #3 - Hwy 70 Waterline Replacement	0-2 Years	Not Funded	\$385,000	Muhlenberg	39	5
WX21107059	Nortonville Waterline Replacement Project	0-2 Years	Not Funded	\$2,292,200	Hopkins	40	7
WX21139032	Ledbetter - US 60 Water Tank Painting	3-5 Years	Not Funded	\$450,000	Livingston	41	6
WX21107064	Mortons Gap - White City Road Water Line Extension	0-2 Years	Not Funded	\$145,500	Hopkins	42	8
WX21143013	City of Kuttawa - Automated Meter Reading System	3-5 Years	Not Funded	\$150,000	Lyon	43	5
WX21033011	Caldwell County Water District - Radio Read Meters	3-5 Years	Not Funded	\$725,000	Caldwell	44	5
WX21107065	Nortonville - AMR Water Meter Replacement Project	0-2 Years	Not Funded	\$225,000	Hopkins	45	9
WX21177036	Central City - Tank Rehabilitation	0-2 Years	Not Funded	\$500,000	Muhlenberg	46	6
WX21055013	Marion - Sludge Basin Rehabilitation	3-5 Years	Not Funded	\$375,000	Crittenden	47	4
WX21139028	Grand Rivers - Waterline Replacement & AMR System	0-2 Years	Not Funded	\$467,500	Livingston	48	7
WX21143012	City of Eddyville - Automated Meter Reading	3-5 Years	Not Funded	\$260,000	Lyon	49	6
WX21221014	Barkley Lake Water District - Sludge Storage Lagoon Improvements	3-5 Years	Not Funded	\$349,901	Trigg	50	5
WX21047003	HWEA Hopkinsville Water Main Extension Project	3-5 Years	Not Funded	\$8,163,337	Christian	51	6
WX21139013	Grand Rivers - Waterline Replacement Project	3-5 Years	Not Funded	\$850,000	Livingston	52	8
WX21107044	White Plains - Red Hill Road Ph. III Christian County Interconnect	3-5 Years	Partially Funded	\$158,625	Hopkins	53	10
WX21143015	Eddyville - New Clear Well Project	0-2 Years	Not Funded	\$42,000	Lyon	54	7
WX21139030	CLWD - Water Tank Rehabilitation Project	3-5 Years	Not Funded	\$2,050,000	Livingston	55	9
WX21107053	Grapevine Tank Replacement and Line Upgrades	0-2 Years	Not Funded	\$1,531,641	Hopkins	56	11
WX21139018	Grand Rivers - Newbern Road Water Line Extension	3-5 Years	Not Funded	\$175,000	Livingston	57	10
WX21219039	Elkton - Waterline Replacements Project	3-5 Years	Not Funded	\$423,500	Todd	58	4
WX21107008	Madisonville Noel Av Line Replacement	3-5 Years	Not Funded	\$587,600	Hopkins	59	12
WX21047029	HWEA - Hopkinsville Industrial Foundation Commerce Park West Loop	3-5 Years	Not Funded	\$334,048	Christian	60	7
WX21139025	CLWD - Line Extensions (Livingston)	3-5 Years	Not Funded	\$565,000	Livingston	61	11
WX21219023	Logan-Todd Rwc/Guthrie - Clarksville, Tn Interconnection	6-10 Years	Not Funded	\$13,000,000	Todd	62	5
WX21107009	Madisonville Dozier Heights Waterline Replacement	3-5 Years	Not Funded	\$354,413	Hopkins	63	13
WX21047032	HWEA Water Meter Replacement and AMR	0-2 Years	Not Funded	\$6,000,000	Christian	64	8
WX21177047	Greenville City Lake Dam Modification	0-2 Years	Not Funded	\$279,061	Muhlenberg	65	7
WX21143004	Lyon County Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$100,000	Lyon	66	8
WX21139023	Ledbetter - Paris Rd Main Extension	3-5 Years	Not Funded	\$150,000	Livingston	67	12
WX21143005	Kuttawa - Emergency Standby Generators	3-5 Years	Not Funded	\$100,000	Lyon	68	9
WX21055010	Marion - Emergency Standby Generators	3-5 Years	Not Funded	\$500,000	Crittenden	69	5
WX21107031	Dawson Springs - Emergency Standby Generators	3-5 Years	Not Funded	\$438,099	Hopkins	70	14
WX21033013	Caldwell County Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$100,000	Caldwell	71	6



Project Rankings For Pennyriple Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21221010	Barkley Lake Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$643,500	Trigg	72	6
WX21047035	Christian County Water District - Waterline Replacement & Extension	3-5 Years	Not Funded	\$3,818,000	Christian	73	9
WX21107021	White Plains - US 62/Concord Ch. Rd. - MG Int. (P2)	6-10 Years	Not Funded	\$210,000	Hopkins	74	15
WX21107029	White Plains - Concord Tank & Pump Station	3-5 Years	Not Funded	\$770,000	Hopkins	75	16
WX21139022	Ledbetter - Holland Road Main Extension	3-5 Years	Not Funded	\$300,000	Livingston	76	13
WX21055016	Marion - Dredging of Old City Lake	3-5 Years	Not Funded	\$250,000	Crittenden	77	6
WX21107033	South Hopkins Water District - Emergency Standby Generators	3-5 Years	Not Funded	\$566,989	Hopkins	78	17
Total Cost:				\$103,683,534			

Purchase Area Development District (PUADD)

- 2010 census population of 196,393 (93,709 households) with 79% serviceable.
- Projected 2020 population of 196,653 (change of 260).
- 2,201.71 miles of existing water lines.
- 17.00 miles of line extensions proposed in the next 10 years.
- 494.00 miles of line rehabilitation proposed in the next 10 years.
- 21.00 miles of transmission lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$132,028,027.
- Estimated funding needs for projects from 6 to 10 years: \$7,326,440.
- Average age of structures: water treatment plants is 40 years; water tanks is 44 years.
- Total number of interconnected systems is 20.
- 651 miles of asbestos concrete pipe currently in use.
- 125 miles of water lines less than 15 years old.
- 252 miles of water lines between 15 and 30 years old.
- 367 miles of water lines between 31 and 50 years old.
- 1,046 miles of water lines between 51 and 70 years old.
- 408 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 196,653 (83,392 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 3,054 serviceable households will be added through the construction of 17.00 miles of water line extensions and approximately 66,442 instances of improved service through the rehabilitation of 494.00 miles of existing water lines and other appurtenances. 21.00 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	8,164	3,428	1,867	48%	\$ 2,777,950
Calloway	37,191	18,065	39,328	16,483	12,198	68%	\$ 5,725,587
Carlisle	5,104	2,441	4,737	1,967	971	40%	\$ 11,889,978
Fulton	6,813	3,372	5,726	2,363	2,956	88%	\$ 2,201,523
Graves	37,121	16,777	37,883	15,448	11,562	69%	\$ 23,749,677
Hickman	4,902	2,342	4,349	1,887	905	39%	\$ 410,176
McCracken	65,565	31,079	65,317	28,619	29,492	95%	\$ 43,995,458
Marshall	31,448	15,748	31,149	13,197	14,278	91%	\$ 48,604,118
Totals	196,393	93,709	196,653	83,392	74,229	79%	\$ 139,354,467

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
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	5,014
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:	154,311	73,860



Project Rankings For Purchase Area Development District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
WX21145090	Midtown Area Water Main Replacement	0-2 Years	Not Funded	\$4,890,109	McCracken	1	1
WX21145091	Noble Road Transmission Improvements	0-2 Years	Not Funded	\$3,394,169	McCracken	2	2
WX21157037	City of Calvert City-Relocating Water Treatment Plant	3-5 Years	Not Funded	\$20,680,000	Marshall	3	1
WX21007019	LaCenter Municipal Water-Ac Line Replacement Phase I	3-5 Years	Not Funded	\$200,000	Ballard	4	1
WX21007027	Ballard County International Fisheries Industrial Park Waterline	0-2 Years	Partially Funded	\$162,900	Ballard	5	2
WX21145080	Paducah Water Work-Mayfield Road	3-5 Years	Not Funded	\$865,000	McCracken	6	3
WX21035043	Murray WTP Electrical Upgrade	0-2 Years	Not Funded	\$2,156,615	Calloway	7	1
WX21157041	City of Calvert City-Meter Replacement Program	0-2 Years	Not Funded	\$813,000	Marshall	8	2
WX21157044	Jonathan Creek-Phase III Expansion (Near KY-402)	3-5 Years	Not Funded	\$2,198,500	Marshall	9	3
WX21145089	12" WATER MAIN EXTENSION	0-2 Years	Not Funded	\$135,000	McCracken	10	4
WX21157051	Symsonia Highway Waterline Replacement Project	0-2 Years	Not Funded	\$2,900,257	Marshall	11	4
WX21157038	Water Tank Rehabilitation	0-2 Years	Not Funded	\$780,000	Marshall	12	5
WX21083053	HIGHWAY 1276 / KEY BOTTOM ROAD WATER MAIN REPLACEMENT	0-2 Years	Not Funded	\$421,800	Graves	13	1
WX21007002	La Center Municipal Water- AC Line Replacement Phase II	3-5 Years	Not Funded	\$250,000	Ballard	14	3
WX21035030	Dexter-Almo Heights Water District- Boggess Drive Loop	3-5 Years	Not Funded	\$180,000	Calloway	15	2
WX21105009	Columbus Water Works - Upgrades to WTP and New Clearwell	11-20 Years	Not Funded	\$400,000	Hickman	16	1
WX21007005	La Center Municipal Water- AC Line Replacement Phase III	3-5 Years	Not Funded	\$250,000	Ballard	17	4
WX21007006	City of Wicklife- New Well at WTP	3-5 Years	Partially Funded	\$150,000	Ballard	18	5
Total Cost:				\$40,827,350			

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