

Northern Kentucky Water District

October 29, 2007

Ms. Beth O'Donnell
Executive Director
Kentucky Public Service Commission
211 Sower Blvd.
Frankfort, KY 40601

RECEIVED

OCT 30 2007

PUBLIC SERVICE
COMMISSION

Re: Case No. 2006-00315-Subdistrict F Informal Conference

Dear Ms. O'Donnell,

An informal conference was held on October 19, 2007 regarding the Northern Kentucky Water District's (District) Rehearing that was granted by the Kentucky Public Service Commission (Commission) related to the financing of the construction of Subdistrict F utilizing a customer monthly surcharge. During this informal conference, District staff provided additional explanation related to the criteria utilized in forming a subdistrict. Commission staff suggested that the District document this discussion through a letter to the Commission to be included as part of the Case file. Commission staff also suggested that District staff provide an explanation about how its contribution to these projects was determined.

Attached are documents that are utilized by the District for planning future subdistricts. These documents were provided to the Commission as part of the District's response to the Commission Staff's information request dated May 10, 2007. These documents include Attachment A, which is a listing of unserved streets in Campbell County and Kenton County, and Attachment B, which is a listing of the Project Profile Submittals to the Campbell/Kenton 2020 Water Management Planning Council that detail the District's plans to serve all unserved customers in Campbell and Kenton County by 2020 as required by Kentucky Revised Statutes. This is a process ultimately managed by the Kentucky Infrastructure Authority and is utilized to help prioritize General Assembly funding for these types of projects.

These documents are utilized by the District as guides for forming subdistricts. In the District's response to Question 3 of the Commission Staff's information request in case 2006-00315 dated May 10, 2007 relating to the procedures utilized for the creation of subdistricts by the District, the response submitted by the District indicated that subdistricts are created on a case by case basis that can vary depending on the grant funding requirements and the grant applicant. The overall guideline for the formation of subdistricts is to serve the most households per mile within the area being considered for the subdistrict. This is demonstrated by the documents behind Attachment A and

Attachment B. Each successive subdistrict project has a lower number of total households per mile as compared to the previous project.

The District staff reviews the enclosed attachments as a guide and then looks at the projected amount of grant funding available and then ultimately finalizes the subdistrict that is submitted to the Commission for approval based upon: (1) the grant funding available (2) the funding generated by a \$30 monthly surcharge and (3) a contribution by the District. Other factors are considered such as hydraulic needs to make sure adequate water can be supplied to an area, availability of sewer service, geotechnical concerns that may drastically raise the cost to serve an individual street, level of interest from homeowners along a street, whether that street can be served by the District or would have to be served by another utility that has facilities that would need to be extended that are closer to that street and other factors. However, the overall density or houses per mile is a key factor that is utilized. The District's average household per mile count to serve the remaining households in its service area is approximately 10 houses per mile. Both of the District's current proposed subdistricts, which are Subdistrict F and Subdistrict G, serve over 20 houses per mile. This statistic reflects the District's overall goal of trying to serve the most houses per mile. Grant money is very scarce and the District tries to serve the most households it can adequately serve with these funds. Grouping of areas to maximize this density makes each subdistrict as economical as possible. Limiting a subdistrict to a contiguous area would reduce the maximization of density and possibly increase costs, and it would certainly increase the number of subdistricts.

Additionally, Commission staff suggested that the District should provide a consistent level of funding as its contribution towards these projects. The District would accept a limit of \$250,000 of funding towards each subdistrict. The District currently budgets \$250,000 annually in its Five Year Budget for mainline extensions to unserved areas. KIA project planning is completed County by County and the General Assembly tries to pass a budget every other year that can provide grant funding for these projects. This level of contribution by the District would provide level funding for each project in the event the General Assembly approves a grant for each of the two Counties within the District's Service Area every two years. Any contingency money that remains after bidding and constructing the initial project would then be used for additional extensions. The District's goal is to serve as many unserved customers that the District can feasibly serve with the available money. This funding also recognizes a contribution from the general customer base toward these extensions and the benefit those customers derive from the additional revenue generated by the sub districts.

As Commission Staff mentioned at the Informal Conference, the District's financing for Subdistrict G is also related to the Commission's rehearing decision for the financing for Subdistrict F. Basically, over 370 households will be impacted positively if the Commission can quickly approve the financing of these projects through the \$30 monthly surcharge. The alternative as explained in detail in the response to the May 10, 2007 order would be a lump sum payment from each new customer for 100 feet of water main at an estimated cost of \$4,900 for Subdistrict F and \$7,000 for Subdistrict G. This payment is the result of applying the District's current extension tariff to these projects.

The total cost of each project is apportioned among the customers, who must each pay an equal amount prior to connection. Depending on the size of the project, number of customers and available financing, the cost can vary widely from project to project. The sub district surcharge mitigates this hardship payment and encourages a larger number of customers to connect.

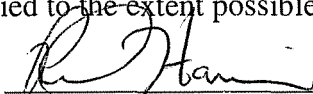
Hopefully this addresses more fully and adequately the issues raised by Commission Staff during the October 19, 2007 Informal Conference. Please feel free to contact me at (859) 578-5458 if additional information or clarification is needed regarding this matter.

Sincerely,


Richard Harrison, P.E.
Vice President of
Engineering & Distribution

AFFIDAVIT

Affiant, Richard Harrison, appearing personally before me a notary public in and for the Commonwealth of Kentucky, after being sworn, states that the information in this letter is true and correct to his best knowledge and belief and that any information provided to him has been reviewed and verified to the extent possible.


Richard Harrison, P.E.

Subscribed, sworn, acknowledged and verified by Richard Harrison on the 29th day of October, 2007.


Notary Public

My Commission expires: May 13, 2011

Attachment A

Campbell County Unserved Street Listing

Sorted "Density"

Full Listing

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Oriando	House #22 to D.E. (#15 has spiderline)	6	0.1	36,960	Alexandria	528	70	60.00
JoAnn Lane	Indian Trace to dead end	19	0.4	147,840	Unincorporated	2112	70	47.50
Lauren	Creek Trace (Rt. 536) to D.E.	18	0.4	147,840	Unincorporated	2112	70	45.00
Cory	Maddox to D.E.	12	0.3	108,523	Unincorporated/	1584	70	40.00
Country Lake	AA Highway to dead end	4	0.1	36,960	California/Uninc	528	70	40.00
Creektrace Rd. (Pond Creek)	From Indian Trace Rd. to Bridge	20	0.5	184,800	Unincorporated	2640	70	40.00
Rifle Range Rd.	From Licking Pike to bridge	26	0.8	295,680	Unincorporated	4224	70	32.50
Creektrace Rd. (Pond Creek)	From John Miller Rd. to Indian Trace Rd.	6	0.2	73,920	Unincorporated	1056	70	30.00
Blangey Rd.	Blangey Rd.	14	0.5	184,800	Brent	2640	70	28.00
Overlook	Fire hydrant to Licking Pike (#118 served)	4	0.15	55,440	Newport	792	70	26.67
Reis Lane (Decker Rd.)	Reis Ridge (Decker) to Dead end	8	0.3	110,880	Unincorporated	1584	70	26.67
Indian Trace Rd.	Indian Trace Rd. (From Creek Trace (Pond Cr.) to JoAnn)	15	0.6	221,760	Unincorporated	3168	70	25.00
Schababerle Hill	From Wesley Chapel Rd. to Daniels Rd	16	0.65	240,240	Unincorporated	3432	70	24.62
Bakerfield Rd.	Off of Boone Smith Rd.	22	0.9	332,640	Unincorporated	4752	70	24.44
Anderson Trace	Barrs Branch to D.E.	10	0.45	166,320	Alexandria	2376	70	22.22
Trapp-Murman	Johnson to D.E.	10	0.45	166,320	Unincorporated	2376	70	22.22
Upper Lick Branch Rd.	From Grandview to driveway past #2274	10	0.45	166,320	Unincorporated	2376	70	22.22
Hissem Rd.	From Nagel to Aulick	11	0.5	184,800	Unincorporated	2640	70	22.00
Enzweiler Road	From last fire hydrant to #124	13	0.6	88,900	Alexandria	1270	70	21.67
Muinn Rd.	Aulick to dead end	15	0.7	258,720	Unincorporated	3696	70	21.43
Harrisburg Hill	From Lees to Pleasant Rdg. Rd.	22	1.1	406,560	Unincorporated	5808	70	20.00
Harrisburg Hill	From Pleasant Ridge to dead end	10	0.5	184,800	Unincorporated	2640	70	20.00
Indian Trace Rd.	Indian Trace Rd. (From JoAnn to End of road)	18	0.9	332,640	Unincorporated	4752	70	20.00
John Miller	From Creek Trace to dead end	10	0.5	184,800	Unincorporated	2640	70	20.00
Kappas Drive	Lauren to Dead End	8	0.4	147,840	Unincorporated	2112	70	20.00
Kennedy	From Daniels to dead end	2	0.1	36,960	Unincorporated	528	70	20.00
Low Gap Rd	From #954 to #878	4	0.2	73,920	Unincorporated	1056	70	20.00
Mystic Rose (Gunkle Rd. #2)	Gunkle Rd. to dead end	8	0.4	147,840	Melbourne	2112	70	20.00
Picnic Road	from Wagner Rd. To end of road	2	0.1	36,960	Unincorporated	528	70	20.00
Pleasant Rdg. Rd.	From Visalia Rd to Lees Rd.	10	0.5	184,800	Unincorporated	2640	70	20.00
Reis Ridge	From Shaw Goetz to Reis Lane (Decker Rd)	10	0.5	184,800	Unincorporated	2640	70	20.00
Reis Ridge	From Reis Lane (Decker Rd) to end of road	10	0.5	184,800	Unincorporated	2640	70	20.00
Riley Road (old)	From 4 mile (upper end) to 2nd house	2	0.1	36,960	Unincorporated	528	70	20.00
Stonehouse Rd. (4&12 Mile)	Lower Grandview to A.A. Hwy	5	0.25	92,400	Unincorporated	1320	70	20.00
Dodsworth Ln.	Dodsworth Ln.	25	1.3	480,480	Unincorporated	6864	70	19.23

Wesley Chapel Rd.	33	1.8	665,280	Unincorporated	9504	70	18.33
Demossville Rd.	20	1.1	406,560	Unincorporated	5808	70	18.18
Shaw Goetz Rd.	20	1.1	406,560	Unincorporated	5808	70	18.18
Aulick Rd.	12	0.7	258,720	Unincorporated	3696	70	17.14
Boone Smith Rd.	12	0.7	258,720	Unincorporated	3696	70	17.14
Lees Road	12	0.7	258,720	Unincorporated	3696	70	17.14
Lower Grandview Rd.	5	0.3	110,880	Unincorporated	1584	70	16.67
Wesley Chapel Rd.	18	1.1	406,560	Unincorporated	5808	70	16.36
Burns Rd.	32	2	739,200	Unincorporated	10560	70	16.00
Daniels Rd.	16	1	369,600	Unincorporated	5280	70	16.00
Tower Hill Rd.	4	0.25	92,400	Ft. Thomas	1320	70	16.00
Baynum Hill Rd.	11	0.7	258,720	Unincorporated	3696	70	15.71
Maddox Rd	11	0.7	258,720	Claryville	3696	70	15.71
California Cross Rds.	7	0.45	166,320	California/Uninc	2376	70	15.56
Barrs Branch Rd.	17	1.1	406,560	Alexandria	5808	70	15.45
Pleasant Rdg. Rd.	17	1.1	406,560	Unincorporated	5808	70	15.45
Visalia Road	20	1.3	480,480	Unincorporated	6864	70	15.38
Bezold Rd.	15	1	369,600	Unincorporated	5280	70	15.00
Boone Smith Rd.	3	0.2	73,920	Unincorporated	1056	70	15.00
Clay Rdg. Rd.	9	0.6	221,760	Unincorporated	3168	70	15.00
Clay Rdg. Rd.	12	0.8	295,680	Unincorporated	4224	70	15.00
Haubner Rd.	12	0.8	295,680	Unincorporated	4224	70	15.00
Hidden Valley	15	1	369,600	Unincorporated	5280	70	15.00
Lees Road	15	1	369,600	Unincorporated	5280	70	15.00
Rt.8	9	0.6	221,760	Brent	3168	70	15.00
Rt.8	6	0.4	147,840	California/Uninc	2112	70	15.00
Truesdell Rd.	15	1	369,600	Melbourne	5280	70	15.00
Wish Rd.	9	0.6	221,760	Unincorporated	3168	70	15.00
Wolf Road	9	0.6	221,760	Unincorporated -2	3168	70	15.00
Poplar Thicket Rd.	15	1	369,600	Unincorporated	5280	70	15.00
Pleasant Rdg. Rd.	19	1.3	480,480	Unincorporated	6864	70	14.62
Nagel Rd.	10	0.7	258,720	Unincorporated	3696	70	14.29
Blue Sky Lane	2	0.15	55,440	Unincorporated	792	70	13.33
Burns Rd.	16	1.2	443,520	Unincorporated	6336	70	13.33
Gunkle Rd. (Gunkle #1)	8	0.6	221,760	Melbourne	3168	70	13.33
Shaw-Hess Rd	2	0.15	55,440	Unincorporated	792	70	13.33
Oneonta Rd.	10	0.8	295,680	California/Uninc	4224	70	12.50
Pond Creek Road	15	1.2	443,520	Unincorporated	6336	70	12.50
Pond Creek Road	25	2	739,200	Unincorporated	10560	70	12.50
Poplar Thicket Rd.	16	1.3	480,480	Unincorporated	6864	70	12.31
Stonethouse Rd. (4&12 Mile)	11	0.9	332,640	Unincorporated	4752	70	12.22
Wagoner (Dead Timber Rd. #2)	7	0.6	221,760	Alexandria	3168	70	11.67
3 Mile Road	8	0.7	258,720	Wilder	3696	70	11.43
Bob-White Lane	8	0.7	258,720	Unincorporated	3696	70	11.43
Tippenhauer Rd.	16	1.4	517,440	Cold Spring	7392	70	11.43

Fisher Rd	From Wish Rd. to Haubner Rd.	11	1	369,600	Unincorporated	5280	70	11.00
Vineyard (Gunkle Rd. #3)	From Ten Mile (#6752) to #6566	7	0.65	240,240	Melbourne	3432	70	10.77
Decker Rd.	from Bezold Rd. to dead end	2	0.2	73,920	Unincorporated	1056	70	10.00
Kennedy	From Flaig Springs to dead end	2	0.2	73,920	Unincorporated	1056	70	10.00
Kenton Station Rd.	From Lees to Pleasant Rdg. Rd.	9	0.9	332,640	Unincorporated	4752	70	10.00
Koehler Rd	From Calif. Cr. Rds. to Flagg Springs (Route 10)	9	0.9	332,640	California/Uninc	4752	70	10.00
Ky. State Route 154	From Burns to PCWD Service area.	10	1	369,600	Unincorporated	5280	70	10.00
Lick Hill	AA Highway to dead end	1	0.1	36,960	California/Uninc	528	70	10.00
Losey Rd.	Licking Pike to #901	3	0.3	110,880	Unincorporated	1584	70	10.00
Neises	From Rt.8 to dead end	2	0.2	73,920	Unincorporated	1056	70	10.00
Newkirk Road	From Fischer to Peach Grove Road (KY 154)	3	0.3	110,880	Unincorporated	1584	70	10.00
Oneonta Rd.	From Truesdale to Washington Tr. Rd.	7	0.7	258,720	Unincorporated	3696	70	10.00
Washington Tr.Rd.South End	End of 3 rd line to A.A. Hwy.	8	0.8	295,680	California/Uninc	4224	70	10.00
Siry Road	From Flatwoods Rd. to End of PCWD Line at #1204	19	2	739,200	Unincorporated	10560	70	9.50
Painter Rd	From #3735 to Route 8	8	0.85	314,160	California/Uninc	4488	70	9.41
Fisher Rd	From Haubner Rd. to #13634	13	1.4	517,440	Unincorporated	7392	70	9.29
Fender Rd.	Fender Rd.	8	0.9	332,640	Melbourne	4752	70	8.89
Hisser Rd.	From Fairlane to Nagel	8	0.9	332,640	Unincorporated	4752	70	8.89
Rifle Range Rd.	From bridge to end of road	17	2	739,200	Unincorporated	10560	70	8.50
Morningview Rd.	Clay Ridge to dead end.	15	1.8	665,280	Unincorporated	9504	70	8.33
Pleasant Rdg. Rd.	From Kenton Station Rd. to Boone Smith Road	5	0.6	221,760	Unincorporated	3168	70	8.33
Fisher Rd	From Bezold Rd to Wish Rd.	2	0.25	92,400	Unincorporated	1320	70	8.00
Licking Pike	Aspen to North	4	0.5	184,800	Wildier	2640	70	8.00
Aulick Rd.	From Muinn Rd. to Demosville Rd.	3	0.4	147,840	Unincorporated	2112	70	7.50
Lees Road	From Harrisburg Hill Rd. to Kenton Station	3	0.4	147,840	Unincorporated	2112	70	7.50
Clay Rdg. Rd.	From Morningview Rd. Griffen Fords Rd.	5	0.7	258,720	Unincorporated	3696	70	7.14
Rt.8	Oneonta to Painter Rd.	11	1.6	591,360	California/Uninc	8448	70	6.88
Enzweiler Road	From #124 to dead end - East of AA hwy	4	0.6	132,860	Alexandria	1898	70	6.67
Burger Road	Gunkle Rd. to dead end	4	0.6	221,760	Unincorporated	3168	70	6.67
California Cross Rds.	From Washington Tr.Rd. to #3765	4	0.6	221,760	Calif.(Residents	3168	70	6.67
Flagg Springs (Route 10)	From Daniels Road to Pendleton Co. Line	4	0.6	221,760	Unincorporated	3168	70	6.67
Branch Lick (Lower Lick Branch)	from Stone House to dead end	5	0.8	295,680	Unincorporated	4224	70	6.25
Creektrace Rd. (Pond Creek)	From Licking Pike to John Miller Rd.	10	1.6	591,360	Unincorporated	8448	70	6.25
Shaw Goetz Rd.	From Reis Ridge Rd. to California Cross Rds.	11	1.8	665,280	Unincorporated	9504	70	6.11
Rt.8	End of existing line (#11927) to county line	6	1	369,600	Mentor	5280	70	6.00
Wagoner (Dead Timber Rd. #2)	From Newberry Road (Dead Timber Rd.) to Ptohic	10	1.7	628,320	California/Uninc	8976	70	5.88
Stonehouse Rd. (4&12 Mile)	Oneonta Rd. to Lower Grandview	2	0.35	129,360	Unincorporated	1848	70	5.71
Upper Lick Branch Rd.	From driveway past #2274 to AA Hwy	2	0.35	129,360	Unincorporated	1848	70	5.71
Daniels Rd.	From #3185 to Flagg Springs Pike (Route 10)	6	1.1	406,560	Unincorporated	5808	70	5.45
California Cross Rds.	From Shaw Goetz Rd. to #2038	3	0.6	221,760	California/Uninc	3168	70	5.00
Hisser Rd.	From Fairlane to County Line	2	0.4	147,840	Unincorporated	2112	70	5.00
Newberry (Dead Timber Rd. #2)	from Wagner Rd. To end of road	3	0.6	221,760	California/Uninc	3168	70	5.00
Owl Creek Rd.	Owl Creek Rd.	6	1.2	443,520	Silver Grove	6336	70	5.00
Pond Creek Road	From #11707 to Kenton station Rd.	6	1.2	443,520	Unincorporated	6336	70	5.00
Wolf Road	From Kenton Station Rd. to Clay Rdg. Rd.	7	1.4	517,440	Unincorporated	7392	70	5.00

Tarvin Rd. (Schmudde)	From Phillips Creek Rd. (Schmudde) to Licking Pike	3	0.7	258,720	Unincorporated	3696	70	4.29
Phillips Cr. Rd. (Schmudde)	Box 11053 to Tarvin Road	4	1	369,600	Unincorporated	5280	70	4.00
Tarvin Rd. (Schmudde)	From Lees Rd to Phillips Creek Rd. (Schmudde)	2	0.5	184,800	Unincorporated	2640	70	4.00
Pleasant Rdg. Rd.	From Harrisburg Hill Rd. to Kenton Station Rd.	4	1.1	406,560	Unincorporated	5808	70	3.64
Schababerle Hill	From Daniels Rd. to Flagg Springs Pike (Route 10)	5	1.4	517,440	Unincorporated	7392	70	3.57
US 27	Riley School to CC Small Engine	1	0.3	110,880	Unincorporated	1584	70	3.33
Vineyard (Gunkle Rd. #3)	From #6566 to #6436 (to end of line)	1	0.3	110,880	Melbourne	1584	70	3.33
Kenton Station Rd.	From Pleasant Rdg. Rd. to Pond Cr. Rd.	3	1	369,600	Unincorporated	5280	70	3.00
Rt.8	Lester Ln. to #617	3	1	369,600	Ft. Thomas	5280	70	3.00
Flatwoods Rd	From Race Track Rd. to Burns Rd	4	1.5	554,400	Unincorporated	7920	70	2.67
Flagg Springs (Route 10)	From Short Cut Rd. (A. A. Hwy. Connector) to Daniels Ro	1	0.5	184,800	Unincorporated	2640	70	2.00
Four Mile Pike	Nelson to Woodrun Dr.	2	1	369,600	Alexandria	5280	70	2.00
Rt.8	Tower Hill to Lester Ln.	1	0.6	221,760	Ft. Thomas	3168	70	1.67
Painter Rd	From Washington Tr. Rd to #3735	1	0.65	240,240	California/Uninc	3432	70	1.54
A.A.Hwy	Smith Road to Grandview Road	9	6.7	2,476,320	Will/Cld Sprng/AI	35376	70	1.34
Gubser Mill Road	California Cross Road to dead end	1	0.8	295,680	California/Uninc	4224	70	1.25
US 27	CC Small Engine to south Licking pike	1	0.95	351,120	Unincorporated	5016	70	1.05
A.A.Hwy	Grandview Road to Murnan Road (overpass)	7	6.9	2,550,240	Will/Cld Sprng/AI	36432	70	1.01
Rt.8	New Richmond Road to (south) D.E. of 3"	1	1.4	517,440	Unincorporated	7392	70	0.71
A.A.Hwy	Dry Creek to Ivy Ridge	0	1	369,600	Cold Spring	5280	70	0.00
A.A.Hwy	Pendleton Cnty line to Smith Road	0	1.8	665,280	Will/Cld Sprng/AI	9504	70	0.00
Creektrace Rd. (KY Rt. 536)	From U.S. 27 to Licking Pike	0	0.8	295,680	Unincorporated	4224	70	0.00
Licking Pike	Banklick to 0.9 miles north (St. John's Church)	0	0.9	332,640	Wilder	4752	70	0.00
Licking Pike	From end of line at Tipphauer to Murnan Rd	0	0.5	184,800	Unincorporated	2640	70	0.00
Losey Rd.	#901 to #812	0	0.4	147,840	Unincorporated	2112	70	0.00
Low Gap Rd	From #878 to Tollgate (Alex-Licking Pike)	0	0.3	110,880	Unincorporated	1584	70	0.00
Riley Road (old)	From 2nd house to 4 mile (lower end)	0	0.35	129,360	Unincorporated	1848	70	0.00
River Road	Last house to Rt. 8	0	0.5	184,800	Ft. Thomas	2640	70	0.00
Rt.8	??? South to Tower Hill	0	1	369,600	Dayton/Ft. Thom	5280	70	0.00
Rt.8	#617 to River Road	0	1.3	480,480	Ft. Thomas	6864	70	0.00
Rt.8	River Rd. to Blangey Rd.	0	0.3	110,880	Brent	1584	70	0.00
Shaw-Hess Rd	From #10280 to Persimmon Gr. Pk.	0	0.45	166,320	Unincorporated	2376	70	0.00
Ten Mile Road	Ritter to 2802 Ten Mile Rd. (Schack farm)	0	0.5	184,800	Unincorporated	2640	70	0.00
West Main Street (Alex.)	1/2 mile from city building towards Licking Pike	0	0.5	184,800	Alexandria	2640	70	0.00
	Total	1333	132.75	48840282.6		697752		

Kenton County Unserved Street Listing

Sorted by "CUSTOMERS PER MILE"

Full Listing

<u>Street</u>	<u>Comment:</u>	<u>House Count</u>	<u>Distance (Miles)</u>	<u>Est. Cost</u>	<u>City</u>	<u>Footage</u>	<u>\$/Foot</u>	<u>Customers Per Mile</u>
Cherry	Off KY 17, North of Apple	6	0.2	73,920.00	Independence	1056	70	30.00
Oak Island	Moffett to #14056	3	0.1	36,960.00	SKC	528	70	30.00
Stafford Heights Lane	Off Harris Pike	6	0.2	73,920.00	Independence	1056	70	30.00
Marshall Road	KY 177 to #9325	12	0.4	147,840.00	Covington	2112	70	30.00
Wright Road	Graven to D.E.	4	0.14	51,744.00	SKC	739	70	28.57
Fontanna	KY 177	16	0.6	221,760.00	SKC	3168	70	26.67
KY 177	KY 14 to #15168	16	0.6	221,760.00	SKC	3168	70	26.67
Webster Road	Richardson Road to D.E.	18	0.7	258,720.00	Independence	3696	70	25.71
Jones Road	American Legion to D.E.	36	1.4	517,440.00	SKC	7392	70	25.71
Kenton Station Road	KY 177 to D.E. (Thornhill)	5	0.2	73,920.00	SKC	1056	70	25.00
Carlisle Road	KY 14 to Parker Grove	45	1.9	205,385.00	SKC	10032	20.47	23.68
White Villa Estates	Lakeshore, Maple, North Lake Rd	26	1.1	406,560.00	SKC	5808	70	23.64
Hempfling Road	Navaho Road to slide area	18	0.8	295,680.00	SKC	4224	70	22.50
Courtney Road	Eads Road to Boone County Line	27	1.25	131,690.00	SKC	6600	19.95	21.60
Lunsford Road	Off KY 14 (Bullock Pen)	14	0.7	82,185.00	SKC	3696	22.24	20.00
Lakeview Drive	Off Taylor Mill Road, South of Harris	2	0.1	36,960.00	SKC	528	70	20.00
Far Hills Drive	From end of 16" to D.E.	1	0.05	18,480.00	Independence	264	70	20.00
Conley Road	KY 177 to #3953	6	0.3	110,880.00	SKC	1584	70	20.00
Goshorn Road	Fiskburg to D.E.	16	0.8	295,680.00	SKC	4224	70	20.00
Northcut Road	Jones Road to D.E.	8	0.4	147,840.00	SKC	2112	70	20.00
Sawgrass Road	Off Green Road	2	0.1	36,960.00	SKC	528	70	20.00
Bird Road	D.E. near Wynewood to end of road	6	0.3	110,880.00	SKC	1584	70	20.00
Marshall Road	Klette to #9440	2	0.1	36,960.00	Covington	528	70	20.00
Dixon Drive	Rich Road to #14038	18	1	369,600.00	SKC	5280	70	18.00
Ernst Bridge Road	From RR bridge to #4425 (Ryland CC)	7	0.4	147,840.00	SKC	2112	70	17.50
Scenic Ridge Drive	Off Pelly Road	5	0.3	110,880.00	Independence	1584	70	16.67
Hempfling Road	Navaho to Oak Island	10	0.6	221,760.00	SKC	3168	70	16.67
Gene Street	Off Walton Nicholson Road	4	0.25	92,400.00	SKC	1320	70	16.00
Bagby Road	US 25 to Parker Grove	38	2.4	245,770.00	SKC	12672	19.39	15.83
Mason Road	hydrant at #460 to Decoursey	3	0.2	73,920.00	Taylor Mill	1056	70	15.00
Holdsbranch	End of existing pipe to D.E. of street	6	0.4	147,840.00	Taylor Mill	2112	70	15.00

James Road	3	0.2	73,920.00	SKC	1056	70	15.00
Old Fowler Creek Road	3	0.2	73,920.00	Covington	1056	70	15.00
Peoples Cemetary	3	0.2	19,105.00	SKC	1056	18.09	15.00
Rich Road	9	0.6	221,760.00	SKC	3168	70	15.00
Rouse	3	0.2	73,920.00	SKC	1056	70	15.00
Taylor Mill Road	6	0.4	147,840.00	Taylor Mill	2112	70	15.00
Worthington Drive	3	0.2	73,920.00	Covington	1056	70	15.00
Rich Road	15	1	369,600.00	SKC	5280	70	15.00
Stephenson Road	16	1.1	106,240.00	SKC	5808	18.29	14.55
Steep Creek	14	1	369,600.00	SKC	5280	70	14.00
Trace Run Road	11	0.8	295,680.00	SKC	4224	70	13.75
Bethel Grove Road	3	0.22	81,312.00	Visalia	1162	70	13.64
Parker Grove	30	2.2	230,550.00	SKC	11616	19.85	13.64
Gleason Road	4	0.3	110,880.00	SKC	1584	70	13.33
Steep Creek	8	0.6	221,760.00	SKC	3168	70	13.33
Case Road	4	0.3	110,880.00	SKC	1584	70	13.33
James Road	4	0.3	110,880.00	SKC	1584	70	13.33
Locust Lane	2	0.15	55,440.00	SKC	792	70	13.33
KY 177	17	1.3	480,480.00	Kenton	6864	70	13.08
Mann Road	9	0.7	258,720.00	SKC	3696	70	12.86
Little Cruises Creek Rd	33	2.6	960,960.00	SKC	13728	70	12.69
Webster Road	5	0.4	147,840.00	Independence	2112	70	12.50
Pruett	5	0.4	147,840.00	SKC	2112	70	12.50
Fowler Creek Road	15	1.2	443,520.00	Independence	6336	70	12.50
Harrisburg Road	5	0.4	147,840.00	SKC	2112	70	12.50
Grassy Creek Road	15	1.2	126,720.00	SKC	6336	20	12.50
Paxton Road	10	0.8	75,310.00	SKC	4224	17.83	12.50
River Road (Route 8)	11	0.9	332,640.00	Villa Hills	4752	70	12.22
Elliot Road	18	1.5	554,400.00	SKC	7920	70	12.00
Fiskburg Road	6	0.5	184,800.00	SKC	2640	70	12.00
Graven Road	3	0.25	92,400.00	SKC	1320	70	12.00
Cody Road	7	0.6	221,760.00	Independence	3168	70	11.67
Wright Road	14	1.2	443,520.00	SKC	6336	70	11.67
Mann Road	9	0.8	295,680.00	SKC	4224	70	11.25
Anderson Road	10	0.9	95,040.00	SKC	4752	20	11.11
Alexander Road	34	3.1	1,145,760.00	SKC	16368	70	10.97
Forest View Lane	3	0.3	110,880.00	Taylor Mill	1584	70	10.00
Ishmael	1	0.1	36,960.00	SKC	528	70	10.00
Justice Lane	3	0.3	110,880.00	Independence	1584	70	10.00
Webster Road	2	0.2	73,920.00	Independence	1056	70	10.00
Fiskburg Road	1	0.1	36,960.00	SKC	528	70	10.00

Project Name	Quantity	Unit	Value	Location	Material	Quantity	Unit	Value
Fuchs Road	1	0.1	36,960.00	Garvey Avenue to D.E.	Elsmere	528	70	10.00
Hempfling Road	7	0.7	258,720.00	Sub C D.E. to slide area #2713	SKC	3696	70	10.00
Independence Station Rd	3	0.3	110,880.00	Justice to RR Tracks	Independence	1584	70	10.00
KY 177	15	1.5	554,400.00	End of Sub E, past Conley to 13361	Visalia	7920	70	10.00
Moffett Road	3	0.3	110,880.00	Armstrong to #3630	SKC	1584	70	10.00
Nelson Road	1	0.1	36,960.00	Narrows to Deer Chase	Erlanger	528	70	10.00
Rosanna Lane	4	0.4	147,840.00	Off of Callant	SKC	2112	70	10.00
Spruce View Drive	2	0.2	73,920.00	Walton Nicholson to D.E.	SKC	1056	70	10.00
Steep Creek	10	1	369,600.00	#3382 at bridge to #3709 at bridge	SKC	5280	70	10.00
Washboard Road	4	0.4	147,840.00	KY 177 to D.E.	SKC	2112	70	10.00
Wayman Branch	5	0.5	184,800.00	Between old T.M. system and NKWD s	Taylor Mill	2640	70	10.00
Kensington Road	2	0.2	73,920.00	Off Green Road	SKC	1056	70	10.00
Kenton Station Road	17	1.8	665,280.00	Martin to Rector	SKC	9504	70	9.44
Hempfling Road	12	1.3	480,480.00	Oak Island to Rich	SKC	6864	70	9.23
Conley Road	9	1	369,600.00	Kenton Station to #3953	SKC	5280	70	9.00
Saint Marys Road	7	0.8	295,680.00	Alexander to KY 177	SKC	4224	70	8.75
Eads Road	6	0.7	258,720.00	US 25 to I-7175	SKC	3696	70	8.57
Pfanstiehl Road	12	1.4	517,440.00	Fiskburg to D.E.	SKC	7392	70	8.57
Locust Pike/Lawnmower Road	21	2.5	924,000.00	Feiser Road to # 9684	Ryland Heights	13200	70	8.40
Tamarita Lane	1	0.12	44,352.00	Harris to KY 16	Independence	634	70	8.33
Rich Road	4	0.5	184,800.00	End of Sub C to #3493	SKC	2640	70	8.00
Alexander Road	8	1	369,600.00	KY 177 to D.E.	SKC	5280	70	8.00
Vises's Trail	6	0.77	284,592.00	From KY177 go North 0.77 miles(south	SKC	4066	70	7.79
KY 177	10	1.3	480,480.00	St. Mary Rd to Alexander Road	SKC	6864	70	7.69
Armstrong Road	3	0.4	147,840.00	Off Moffett to D.E.	SKC	2112	70	7.50
Porter Road	2	0.28	103,488.00	Hydrant at #8924 to hydrant at #9028	Ryland Heights	1478	70	7.14
Erlanger Road	2	0.3	110,880.00	Turfway to dead end	Erlanger	1584	70	6.67
Fiskburg Road	4	0.6	221,760.00	Alexander to Rich Road	SKC	3168	70	6.67
Hergott Drive	4	0.6	221,760.00	Off KY 17, Norther of Callant	SKC	3168	70	6.67
McHugh Lane	2	0.3	110,880.00	Off Independence Station Road	Independence	1584	70	6.67
Montague Road	2	0.33	121,968.00	Fire Hydrant to #1760	Covington	1742	70	6.06
River Road (Route 8)	11	1.9	702,240.00	Amsterdam to Chevron	Villa Hills	10032	70	5.79
Decoursey	4	0.7	258,720.00	I-275 to hydrant at #7900	Fairview	3696	70	5.71
Lamb's Ferry Road	10	1.8	665,280.00	Whites Road to Whites Road	Ryland Heights	9504	70	5.56
Eubanks Road	2	0.4	147,840.00	Erlanger-Cris.Spgs. Road to D.E.	Crescent Spgs	2112	70	5.00
Key West Road	1	0.2	21,120.00	US 25 to D.E. (Bullock Pen)	SKC	1056	20	5.00
KY 177	3	0.6	221,760.00	#14443 south of Kenton Station to bridg	Kenton	3168	70	5.00
Lipscomb	2	0.4	147,840.00	Lieberman to D.E.	Covington	2112	70	5.00
Narrows Road	1	0.2	73,920.00	Thornfree to Nelson (served by spiderlin	Erlanger	1056	70	5.00
Navaho Road	1	0.2	73,920.00	Hempfling to D.E.	SKC	1056	70	5.00
Rich Road	1	0.2	73,920.00	#3493 to Hempfling	SKC	1056	70	5.00

Gardnersville Road	End of Sub C to Anderson Road	3	0.6	63,360.00	SKC	3168	20	5.00
Eads Road	I-71/75 to #504	6	1.35	142,560.00	SKC	7128	20	4.44
Campbell Drive	US 25 to D.E.	3	0.7	258,720.00	SKC	3696	70	4.29
Decoursey	Marshall to end of Sub-R	3	0.7	258,720.00	Ryland Heights	3696	70	4.29
Madison Pike	Old Richardson Road to Far Hills	3	0.7	258,720.00	Independence	3696	70	4.29
Fowler Creek Road	Cox to Stephens	2	0.5	184,800.00	Independence	2640	70	4.00
KY 177	Ryland Lakes C.C. to #11282	5	1.4	517,440.00	SKC	7392	70	3.57
Menefee Road	Shady Lane to county line	1	0.3	31,680.00	SKC	1584	20	3.33
Wehrman Road	KY 16 to D.E.	1	0.3	110,880.00	Independence	1584	70	3.33
Rich Road	Hempfling to Little Cruises	1	0.4	147,840.00	SKC	2112	70	2.50
Stephens Drive	Don Victor to Oliver	1	0.4	147,840.00	Independence	2112	70	2.50
Pin Oak Lane	Erlanger showcase cinema drive to D.E.	1	0.5	184,800.00	Erlanger	2640	70	2.00
Fowler Creek Road	New Madison connector road to Pelly	1	0.6	221,760.00	Covington	3168	70	1.67
Gripshover	County line to D.E.	1	0.6	63,360.00	SKC	3168	20	1.67
Moffett Road	Kenton Station to #3630	1	0.6	221,760.00	SKC	3168	70	1.67
Marshall Road	Coleman to Stewart	1	0.8	295,680.00	Ryland Heights	4224	70	1.25
Independence Road	#1068 to End of Sub C	0	0.27	99,792.00	SKC	1426	70	0.00
Locust Pike	#9684 To end of Sub R near Whites	0	0.5	184,800.00	Ryland Heights	2640	70	0.00
Amsterdam Road	12" CC to Sanitation Plant Entrance	0	0.65	240,240.00	Villa Hills	3432	70	0.00
Decoursey	Grand to I-275	0	0.6	221,760.00	Covington	3168	70	0.00
Horsebranch	#760 Horsebranch to Thomas More Parl	0	1.06	391,776.00	Crestview Hills	5597	70	0.00
Independence Station: Rd	Canberra to R.R. Tracks	0	0.4	147,840.00	Independence	2112	70	0.00
KY 177	#15168 to St. Marys Road	0	0.6	221,760.00	SKC	3168	70	0.00
KY 177	Alexander Road to Pendleton County Lir	0	0.3	110,880.00	SKC	1584	70	0.00
Narrows Road	Richardson to Thorntree	0	0.2	73,920.00	Erlanger	1056	70	0.00
Narrows Road	Nelson to D.E. at Erlanger Fire	0	0.2	73,920.00	Erlanger	1056	70	0.00
Oak Island	#14056 to Hempfling	0	0.7	258,720.00	SKC	3696	70	0.00
Rice Road #1	Off Mills Road	0	0.25	92,400.00	Independence	1320	70	0.00
Shady Lane	Bagby Rd to county line	0	0.5	52,800.00	SKC	2640	20	0.00
Sleepy Hollow Road	Existing D.E. near Diamond Ct. to Ludlo	0	1	369,600.00	Covington	5280	70	0.00
	Total	1022	93.69	30,333,179.00		494683		

Attachment B

Campbell/Kenton

2020 Water Management
Planning Council

2007 Project Profiles Submittal Summaries

Campbell County Area

Project Profile Campbell County Water Unserved and Underserved Project 1 (Costs are still being updated through a preliminary engineering report)
Northern Kentucky Water District
Campbell County Projects,
0-2 Year Project HIGH PRIORITY
WRIS Project Number: WX21037203

Underserved and Unserved Water Project

\$10,423,000

This project profile summarizes a critical unserved and underserved \$10,208,000 project that will impact over 60% of the District's nearly 80,000 customer base. This project will also allow the District to construct an emergency interconnection to the East Pendleton County Water District. The District has completed a preliminary engineering report that includes the project cost estimates. The Northern Kentucky Water District is seeking \$5,000,000 of State Budget funding and will provide a match for the remaining \$5,208,000 necessary to complete the project. The District is committing these funds through Bond Anticipation Notes and other local funding sources. Design will commence upon receiving State Budget Funding.

- 1) The unserved portion of this project includes 11.15 miles of waterline extension to serve 265 unserved households at an estimated cost of \$4,258,000. The average number of households served per mile for this project is 22.87 houses per mile. This project will also allow the District to provide an emergency interconnection to the East Pendleton County Water District estimated to cost \$50,000. This component will be partially funded by a \$30 monthly customer surcharge and will be part of the District's Subdistrict system designated as Subdistrict H.
- 2) The underserved portion of this project includes two main replacement and enlargement components. The second involves the replacement of approximately 9,700 feet of 120 year old 30 inch water main with new 42 inch water main to improve pressure and system reliability. This improvement will impact over 50 percent of the District's nearly 80,000 customers at an estimated cost of \$5,900,000.

Project Profile Newport Water Main Replacement Project
 Northern Kentucky Water District
 Campbell County Projects
 0-2 Year Project HIGH PRIORITY
 WRIS Project Number: WX21037204

\$5,000,000

This project profile summarizes a critical underserved \$5,000,000 project that involves the replacement of water mains located in the urban core of the Northern Kentucky Water District's Campbell County Service Area. The location of this project is in Newport and involves the replacement of several water lines with a high incidence of breakage. The District has completed a preliminary engineering report that includes the project cost estimates. The Northern Kentucky Water District is seeking \$2,500,000 of State Budget funding and will provide a match for the remaining \$2,500,000 necessary to complete the project.

The District is committing these funds through Bond Anticipation Notes and other local funding sources. Design will commence upon receiving State Budget Funding.

Street	Comment:	Estimated Project Cost	City	Feet of Main	Est \$ per Foot
3rd Street	Isabella Street to Columbia Street	\$ 237,500.00	Newport	950	250
4th Street	Shomaker Lane to Park Avenue	\$ 1,086,250.00	Newport	3950	275
5th Street	Southgate Avenue to Central Avenue	\$ 312,500.00	Newport	1250	250
6th Street	Columbia Street to Park Avenue	\$ 560,000.00	Newport	2800	200
7th Street	D.E. West of Brighton Street to Liberty Street	\$ 453,750.00	Newport	1650	275
8th Street	Brighton Street to Central Avenue	\$ 300,000.00	Newport	1500	200
Elm Street	Brighton Street to Isabella Street	\$ 180,000.00	Newport	900	200
Liberty Street	6th Street to 12th Street	\$ 600,000.00	Newport	3000	200
Ann Street	8th Street to 12th Street	\$ 430,000.00	Newport	2150	200
Isabella Street	3rd Street to 8th Street	\$ 591,250.00	Newport	2150	275
Harrison Avenue	16th Street to 18th Street	\$ 240,000.00	Newport	1200	200
		\$ 4,991,250.00			

Pendleton County Water District
 0-2 Year Project HIGH PRIORITY
 WRIS Project Number: WX21191408

Street

12" Main to County Line
 New Master Meter Vault

Comment:

Number of
 Unserved
 Households

Distance
 (Miles)

Estimated
 Project
 Cost

City

Feet
 of
 Main

Est \$
 per
 Foot

Customers
 Per mile

\$ 850,000.00

Subdistrict H
 Project Summary #1
 Northern Kentucky Water District
 Campbell County Unserved Streets
 0-2 year project HIGH PRIORITY
 WRIS Project Number: This subdistrict is part of WX21037203

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Orlando Maddox Rd	House #22 to D.E. (#15 has spiderline) Madonna to dead end	6	0.10	\$ 59,041.86	Alexandria	528	111.82	60.00
Cory	Maddox to D.E.	11	0.70	\$ 350,440.50	Claryville	3696	94.82	15.71
Enzweiler Road	From last fire hydrant to dead end - East of AA hwy	12	0.30	\$ 108,522.58	Unincorporated/Claryville	1584	68.51	40.00
Rifle Range Rd.	From Licking Pike to bridge	13	0.60	\$ 107,699.44	Alexandria	1270	84.8	21.67
Creektrace Rd. (Pond Creek)	From Licking Pike to John Miller Rd.	26	0.80	\$ 576,730.00	Unincorporated	4224	136.54	32.50
Creektrace Rd. (Pond Creek)	From John Miller Rd. to Indian Trace Rd.	10	1.60	\$ 686,887.56	Unincorporated	8448	81.31	6.25
Creektrace Rd. (Pond Creek)	From Indian Trace Rd. to Bridge	6	0.20	\$ 117,986.88	Unincorporated	1056	111.73	30.00
Creektrace Rd. (Pond Creek)	upgrade to 12" pipe	20	0.50	\$ 231,286.00	Unincorporated -25 lot SubDiv. (all lot)	2640	87.61	40.00
Indian Trace Rd.	Indian Trace Rd. (From JoAnn to End of road)	18	0.90	\$ 474,027.19	Unincorporated	12144	27.22	20.00
Indian Trace Rd.	Indian Trace Rd. (From Creek Trace (Pond Ct.) to JoAnn)	15	0.60	\$ 325,838.00	Unincorporated	4752	99.75	25.00
JoAnn Lane	Indian Trace to dead end	19	0.40	\$ 179,279.63	Unincorporated	3168	102.85	47.50
John Miller	From Creek Trace to dead end	10	0.50	\$ 243,259.13	Unincorporated	2112	84.87	20.00
Lauren	Creek Trace to dead end	18	0.40	\$ 160,340.34	Unincorporated	2640	92.14	45.00
Wesley Chapel Rd.	From Calif. Cr. Rds. To Schababerle Hill	18	1.10	\$ 492,170.89	Unincorporated	2112	75.92	16.36
Wesley Chapel Rd.	From Schababerle Hill to Flagg Springs Pike (Route 10)	33	1.80	\$ 584,308.43	Unincorporated	6808	84.74	18.33
Schababerle Hill	From Wesley Chapel Rd. to Daniels Rd	16	0.65	\$ 289,424.25	Unincorporated	9504	61.48	24.62
		251	11.15	\$ 5,317,601.08		69118	84.33	22.51

Subdistrict J
 Project Summary #2
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037520

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Overlook	Fire hydrant to Licking Pike (#118 served)	4	0.15	\$ 43,660.00	Newport	792	55	26.67
Blangey Rd.		14	0.50	\$ 145,200.00	Brent	2640	55	28.00
Anderson Trace	Barrs Branch to D.E.	10	0.45	\$ 130,680.00	Alexandria	2376	55	22.22
Trapp-Murman	Johnson to D.E.	10	0.45	\$ 130,680.00	Unincorporated	2376	55	22.22
Shaw Goetz Rd.	From Reis Ridge Rd. to Flagg Springs Pike (Rt 10)	20	1.10	\$ 354,288.00	Unincorporated	5808	61	18.18
Reis Lane (Decker Rd.)	Reis Ridge (Decker) to Dead end	8	0.30	\$ 96,624.00	Unincorporated	1584	61	26.67
Reis Ridge	From Reis Lane (Decker Rd) to end of road	10	0.50	\$ 161,040.00	Unincorporated	2640	61	20.00
Reis Ridge	From Shaw Goetz to Reis Lane (Decker Rd)	10	0.50	\$ 161,040.00	Unincorporated	2640	61	20.00
Upper Lick Branch Rd.	From Grandview to driveway past #2274	10	0.45	\$ 130,680.00	Unincorporated	2376	55	22.22
Kappas Drive	Lauren to Dead End	8	0.40	\$ 116,160.00	Unincorporated	2112	55	20.00
Low Gap Rd	From #954 to #878	4	0.20	\$ 58,080.00	Unincorporated	1056	55	20.00
Pleasant Rd	from Wagner Rd. To end of road	2	0.1	\$ 29,040.00	Unincorporated	528	55	20.00
Mystic Rose (Gunkle Rd. #2)	Gunkle Rd. to dead end	8	0.40	\$ 116,160.00	Melbourne	2112	55	20.00
Pleasant Rdg. Rd.	From Visalia Rd to Lees Rd.	10	0.50	\$ 145,200.00	Unincorporated	2640	55	20.00
Pleasant Rdg. Rd.	From Lees Rd. to Harrisburg Hill Rd.	17	1.10	\$ 319,440.00	Unincorporated	5808	55	15.45
		145	7.10	\$ 2,137,872.00		37488		20.42

Subdistrict L
 Project Summary #3
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037551

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Harrisburg Hill	From Lees to Pleasant Rdg. Rd.	22	1.10	\$ 319,440.00	Unincorporated	5808	55	20.00
Harrisburg Hill	From Pleasant Ridge to dead end	10	0.50	\$ 145,200.00	Unincorporated	2640	55	20.00
Lees Road	From Tarvin Rd. to Harrisburg Hill Rd.	12	0.70	\$ 203,280.00	Unincorporated	3696	55	17.14
Lees Road	From Pleasant Rdg. Rd. To Tarvin Rd.	15	1.00	\$ 290,400.00	Unincorporated	5280	55	15.00
Stonehouse Rd. (4&12 Mile)	A.A. Hwy. to Flagg Springs Pike (Route 10)	11	0.90	\$ 261,360.00	Unincorporated	4752	55	12.22
Stonehouse Rd. (4&12 Mile)	Lower Grandview to A.A. Hwy	5	0.25	\$ 72,600.00	Unincorporated	1320	55	20.00
Dodsworth Ln.	Dodsworth Ln.	25	1.30	\$ 377,520.00	Unincorporated	6864	55	19.23
Lower Grandview Rd.	from Stone House to dead end	5	0.30	\$ 87,120.00	Unincorporated	1584	55	16.67
Burns Rd.	from Flatwoods Rd. to Bezold Rd.	16	1.20	\$ 348,480.00	Unincorporated	6336	55	13.33
		121	7.25	\$ 2,105,400.00		38280		16.69

Subdistrict N
 Project Summary #4
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037306

<u>Street</u>	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	<u>City</u>	Feet of Main	Est \$ per Foot	Customers Per mile
Burns Rd.	From Flatwoods Rd. to St. Route 154	32	2.00	\$ 580,800.00	Unincorporated	10560	55	16.00
Daniels Rd.	From Schababerle Hill to #3185	16	1.00	\$ 327,360.00	Unincorporated	5280	62	16.00
Tower Hill Rd.	From Rt. 8 to Watchpoint	4	0.25	\$ 72,600.00	Ft. Thomas	1320	55	16.00
Baynum Hill Rd.	Baynum Hill Rd.	11	0.70	\$ 203,280.00	Unincorporated	3696	55	15.71
Barrs Branch Rd.	From End of line on Barrs Br. To Flagg Springs Pike (Rt	17	1.10	\$ 319,440.00	Alexandria	5808	55	15.45
Visalia Road	Pleasant Ridge to Pond Creek	20	1.30	\$ 377,520.00	Unincorporated	6864	55	15.38
Hidden Valley	from Murman to dead end	15	1.00	\$ 290,400.00	Unincorporated	5280	55	15.00
Kennedy	From Flagg Springs to dead end	2	0.20	\$ 58,080.00	Unincorporated	1056	55	10.00
		117	7.55	\$ 2,229,480.00		39864		15.50

Subdistrict P
 Project Summary #5
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037305

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Bezold Rd.	From Burns Rd to California Cr. Rds.	15	1.00	\$ 290,400.00	Unincorporated	5280	55	15.00
California Cross Rds.	From Bezold Rd to #2038	7	0.45	\$ 130,680.00	California/Unincorporated	2376	55	15.56
Lees Road	From Harrisburg Hill Rd. to Kenton Station	3	0.40	\$ 116,160.00	Unincorporated	2112	55	7.50
Kenton Station Rd.	From Lees to Pleasant Rdg. Rd.	9	0.90	\$ 261,360.00	Unincorporated	4752	55	10.00
Pleasant Rdg. Rd.	From Kenton Station Rd. to Boone Smith Road	5	0.60	\$ 174,240.00	Unincorporated	3168	55	8.33
Bakerfield Rd.	Off of Boone Smith Rd.	22	0.90	\$ 261,360.00	Unincorporated	4752	55	24.44
Boone Smith Rd.	From Pleasant Rdg Rd to Bakerfield Rd	3	0.20	\$ 58,080.00	Unincorporated	1056	55	15.00
Boone Smith Rd.	From Bakerfield Rd.to PCWD end of line (#873)	12	0.70	\$ 203,280.00	Unincorporated	3696	55	17.14
Pleasant Rdg. Rd.	From Boone Smith Road to Clay Rdg. Rd.	19	1.30	\$ 377,520.00	Unincorporated	6864	55	14.62
Clay Rdg. Rd.	From Wolf Rd. to Pleasant Rdg Rd.	9	0.60	\$ 174,240.00	Unincorporated	3168	55	15.00
Clay Rdg. Rd.	From Pleasant Rdg Rd. to Morningview Rd	12	0.80	\$ 232,320.00	Unincorporated	4224	55	15.00
Wolf Road	From Clay Rdg. Rd. to end of road	9	0.60	\$ 174,240.00	Unincorporated	3168	55	15.00
Rt.8	Winters Lane to End of line near Ky-1998	9	0.60	\$ 174,240.00	ated -24 Lot Subdivision being Brent	3168	55	15.00
		134	9.05	\$ 2,628,120.00		47784		14.81

Subdistrict S
 Project Summary #6
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037554

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Rt.8								
Oneonta Rd.	From end of line #7610 to Oneonta Rd.	6	0.40	\$ 116,160.00	California/Unincorporated	2112	55	15.00
Truesdell Rd.	From Rt.8 to Truesdale Box 7568 to Oneota	10	0.80	\$ 232,320.00	California/Unincorporated	4224	55	12.50
Poplar Thicket Rd.	Licking Pike to #446	15	1.00	\$ 290,400.00	Melbourne	5280	55	15.00
Blue Sky Lane	Poplar Thicket to Dead End	2	0.15	\$ 43,560.00	Unincorporated	792	55	15.00
Poplar Thicket Rd.	#466 to Dead End	16	1.30	\$ 418,704.00	Unincorporated	6864	61	13.33
Gunkle Rd. (Gunkle #1)	Nine Mile Road to dead end	8	0.60	\$ 174,240.00	Melbourne	3168	55	12.31
Shaw-Hess Rd	From end of line on Shaw Hess to #10280	2	0.15	\$ 43,560.00	Unincorporated	792	55	13.33
Pond Creek Road	From Bridge to Visalia Rd.	15	1.20	\$ 348,480.00	Unincorporated	6336	55	12.50
Pond Creek Road	From Visalia Rd. to #11707	25	2.00	\$ 580,800.00	Unincorporated	10560	55	12.50
Wagoner (Dead Timber Rd. #2)	from end of line To Newberry (Wagner)	7	0.60	\$ 174,240.00	Alexandria	3168	55	11.67
		121	9.20	\$ 2,712,864.00		48576		13.15

Subdistrict U
 Project Summary #7
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037308

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est.\$ per Foot	Customers Per mile
Bob-White Lane	Bob-White Lane	8	0.70	\$ 203,280.00	Unincorporated	3696	55	11.43
Tippenhauer Rd.	From #211 to end of road	16	1.40	\$ 406,560.00	Cold Spring	7392	55	11.43
Fisher Rd	From Bezold Rd to Wish Rd.	2	0.25	\$ 72,600.00	Unincorporated	1320	55	8.00
Fisher Rd	From Wish Rd. to Haubner Rd.	11	1.00	\$ 290,400.00	Unincorporated	5280	55	11.00
Haubner Rd.	from Fischer to dead end	12	0.80	\$ 232,320.00	Unincorporated	4224	55	15.00
Wish Rd.	From Fischer to dead end	9	0.60	\$ 174,240.00	Unincorporated	3168	55	15.00
Vineyard (Gunkle Rd. #3)	From Ten Mile (#6752) to #6566	7	0.65	\$ 188,760.00	Melbourne	3432	55	10.77
Koehler Rd	From Calif. Cr. Rds. to Flagg Springs (Route 10)	9	0.90	\$ 261,360.00	California/Unincorporated	4752	55	10.00
Ky. State Route 154	From Burns to PCWD Service area.	10	1.00	\$ 290,400.00	Unincorporated	5280	55	10.00
Losey Rd.	Licking Pike to #901	3	0.30	\$ 87,120.00	Unincorporated	1584	55	10.00
Oneonta Rd.	From Truesdale to Washington Tr. Rd.	7	0.70	\$ 203,280.00	Unincorporated	3696	55	10.00
Washington Tr.Rd.South End	End of 3" line to A.A. Hwy.	8	0.80	\$ 232,320.00	California/Unincorporated	4224	55	10.00
		102	9.10	\$ 2,642,640.00				11.21

Subdistrict W
 Project Summary #8
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037557

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Decker Rd.	from Bezold Rd. to dead end	2	0.20	\$ 58,080.00	Unincorporated	1056	55	10.00
Sly Road	From Flatwoods Rd. to End of PCWD Line at #1204	19	2.00	\$ 580,800.00	Unincorporated	10560	55	9.50
Painter Rd	From #3735 to Route 8	8	0.85	\$ 246,840.00	California/Unincorporated	4488	55	9.41
Fisher Rd	From Haubner Rd. to #13634	13	1.40	\$ 406,560.00	Unincorporated	7392	55	9.29
Fender Rd.	Fender Rd.	8	0.90	\$ 261,360.00	Melbourne	4752	55	8.89
3 Mile Road	Gibson Road to Tessner	8	0.70	\$ 225,456.00	Wildier	3696	61	11.43
Rifle Range Rd.	From bridge to end of road	17	2.00	\$ 580,800.00	Unincorporated	10560	55	8.50
Licking Pike	Aspen to North	4	0.50	\$ 145,200.00	Wildier	2640	55	8.00
		79	8.55	\$ 2,505,096.00		45144		9.24

Subdistrict X
 Project Summary #9
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037555

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Morningview Rd.	Clay Ridge to dead end.	15	1.80	\$ 522,720.00	Unincorporated	9504	55	8.33
Clay Rdg. Rd.	From Morningview Rd. Griffen Fords Rd.	5	0.70	\$ 203,280.00	Unincorporated	3696	55	7.14
Rt.8	Oneonta to Painter Rd.	11	1.60	\$ 464,640.00	California/Unincorporated	8448	55	6.88
Neises	From Rt.8 to dead end	2	0.20	\$ 58,080.00	Unincorporated	1056	55	10.00
Burger Road	Gunkie Rd. to dead end	4	0.80	\$ 174,240.00	Unincorporated	3168	55	6.67
California Cross Rds.	From Washington Tr.Rd. to #3765	4	0.80	\$ 174,240.00	Unincorporated	3168	55	6.67
Daniels Rd.	From #3185 to Flagg Springs Pike (Route 10)	6	1.10	\$ 319,440.00	Unincorporated	5808	55	5.45
Flagg Springs (Route 10)	From Daniels Road to Pendleton Co. Line	4	0.80	\$ 174,240.00	Unincorporated	3168	55	6.67
Branch Lick (Lower Lick Branch)	from Stone House to dead end	5	0.80	\$ 232,320.00	Unincorporated	4224	55	6.25
Rt.8	End of existing line (#11927) to county line	6	1.00	\$ 290,400.00	Mentor	5280	55	6.00
Kennedy	From Daniels to dead end	2	0.10	\$ 29,040.00	Unincorporated	528	55	20.00
		64	9.10	\$ 2,642,640.00		48048		7.03

Subdistrict Y
 Project Summary #10
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037556

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Enzweiler Road	From last fire hydrant to dead end - East of AA hwy	4	0.6	\$ 42,116.62	Alexandria	1898	22.19	6.666666667
Shaw Goetz Rd.	From Reis Ridge Rd. to California Cross Rds.	11	1.80	\$ 522,720.00	Unincorporated	9504	55	6.11
Wagoner (Dead Timber Rd. #2)	From Newberry Road (Dead Timber Rd.) to Picnic	10	1.70	\$ 493,680.00	California/Unincorporated	8976	55	5.88
Stonehouse Rd. (4&12 Mile)	Oneonta Rd. to Lower Grandview	2	0.35	\$ 101,640.00	Unincorporated	1848	55	5.71
Upper Lick Branch Rd.	From driveway past #2274 to AA Hwy	2	0.35	\$ 101,640.00	Unincorporated	1848	55	5.71
California Cross Rds.	From Shaw Goetz Rd. to #2038	3	0.60	\$ 174,240.00	California/Unincorporated	3168	55	5.00
Newberry (Dead Timber Rd. #2)	from Wagner Rd. To end of road	3	0.60	\$ 174,240.00	California/Unincorporated	3168	55	5.00
Owl Creek Rd.	Owl Creek Rd.	6	1.20	\$ 348,480.00	Silver Grove	6336	55	5.00
Pond Creek Road	From #11707 to Kenton station Rd.	6	1.20	\$ 348,480.00	Unincorporated	6336	55	5.00
Wolf Road	From Kenton Station Rd. to Clay Rdg. Rd.	7	1.40	\$ 406,560.00	Unincorporated	7392	55	5.00
Schababerle Hill	From Daniels Rd. to Flagg Springs Pike (Route 10)	5	1.40	\$ 406,560.00	Unincorporated	7392	55	3.57
		55	10.60	\$ 2,565,520.00		55968		5.19

Subdistrict Z
 Project Summary #11
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037009

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Tarvin Rd. (Schmudde)	From Phillips Creek Rd. (Schmudde) to Licking Pike	3	0.70	\$ 203,280.00	Unincorporated	3696	55	4.29
Phillips Cr. Rd. (Schmudde)	Box 11053 to Tarvin Road	4	1.00	\$ 290,400.00	Unincorporated	5280	55	4.00
Tarvin Rd. (Schmudde)	From Lees Rd to Phillips Creek Rd. (Schmudde)	2	0.50	\$ 145,200.00	Unincorporated	2640	55	4.00
Pleasant Rdg. Rd.	From Harrisburg Hill Rd. to Kenton Station Rd.	4	1.10	\$ 319,440.00	Unincorporated	5808	55	3.64
US 27	Riley School to CC Small Engine	1	0.30	\$ 87,120.00	Unincorporated	1584	55	3.33
Vineyard (Gunkle Rd. #3)	From #6566 to #6436 (to end of line)	1	0.30	\$ 87,120.00	Melbourne	1584	55	3.33
Kenton Station Rd.	From Pleasant Rdg. Rd. to Pond Cr.Rd.	3	1.00	\$ 290,400.00	Unincorporated	5280	55	3.00
Rt.8	Lester Ln. to #617	3	1.00	\$ 290,400.00	Ft. Thomas	5280	55	3.00
Rt.8	Tower Hill to Lester Ln.	1	0.60	\$ 174,240.00	Ft. Thomas	3168	55	1.67
Flatwoods Rd	From Race Track Rd. to Burns Rd	4	1.50	\$ 435,600.00	Unincorporated	7920	55	2.67
Flagg Springs (Route 10)	From Short Cut Rd. (A. A. Hwy. Connector) to Daniels Road	1	0.50	\$ 145,200.00	Unincorporated	2640	55	2.00
Painter Rd	From Washington Tr. Rd to #3735	1	0.65	\$ 188,760.00	California/Unincorporated	3432	55	1.54
		28	9.15	\$ 2,657,160.00		48312		3.06

Subdistrict XX
 Project Summary #12
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037556

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Four Mile Pike	Nelson to Woodrun Dr.	2	1.00	\$ 290,400.00	Alexandria	5280	55	2.00
Riley Road (old)	From 4 mile (upper end) to 2nd house	2	0.10	\$ 29,040.00	Unincorporated	528	55	20.00
A.A.Hwy	Smith Road to Grandview Road	9	6.70	\$ 1,945,680.00	Will/Cld Sprng/Alex/Cal/Ment	35376	55	1.34
Lick Hill	AA Highway to dead end	1	0.10	\$ 29,040.00	California/Unincorporated	528	55	10.00
Country Lake	AA Highway to dead end	4.00	0.10	\$ 29,040.00	California/Unincorporated	528	55	40.00
US 27	CC Small Engine to south Licking pike	1	0.95	\$ 275,880.00	Unincorporated	5016	55	1.05
Gubser Mill Road	California Cross Road to dead end	1	0.80	\$ 232,320.00	California/Unincorporated	4224	55	1.25
		20	9.75	\$ 2,831,400.00		51480		2.05

Subdistrict YY
 Project Summary #13
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037558

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
A-A Hwy	Grandview Road to Murman Road (overpass)	7	6.90	\$ 2,003,760.00	Will/Cid Spng/Alex/Cal/Ment	36432	55	1.01
Rt.8	New Richmond Road to (south) D.E. of 3"	1	1.40	\$ 406,560.00	Unincorporated	7392	55	0.71
Low Gap Rd	From #878 to Tollgate (Alex-Licking Pike)	0	0.30	\$ 87,120.00	Unincorporated	1584	55	0.00
West Main Street (Alex.)	1/2 mile from city building towards Licking Pike	0.00	0.50	\$ 145,200.00	Alexandria	2640	55	0.00
Shaw-Hess Rd	From #10280 to Persimmon Gr. Pk.	0	0.45	\$ 130,680.00	Unincorporated	2376	55	0.00
		8	9.55	\$ 2,773,320.00		50424		0.84

Subdistrict ZZ
 Project Summary #14
 Northern Kentucky Water District
 Campbell County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037558

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
A.A.Hwy	Dry Creek to Ivy Ridge	0	1.00	\$ 290,400.00	Cold Spring	5280	55	0.00
A.A.Hwy	Pendleton Crty line to Smith Road	0	1.80	\$ 522,720.00	Will/Cid Sprng/Alex/Cal/Ment	9504	55	0.00
Creektrace Rd. (KY Rt. 536)	From U.S. 27 to Licking Pike	0	0.80	\$ 232,320.00	Unincorporated	4224	55	0.00
Licking Pike	Banklick to 0.9 miles north (St. John's Church)	0	0.90	\$ 261,360.00	Wildier	4752	55	0.00
Licking Pike	From end of line at Tippahauer to Murnan Rd	0	0.50	\$ 145,200.00	Unincorporated	2640	55	0.00
Losey Rd.	#901 to #812	0	0.40	\$ 116,160.00	Unincorporated	2112	55	0.00
Riley Road (old)	From 2nd house to 4 mile (lower end)	0	0.35	\$ 101,640.00	Unincorporated	1848	55	0.00
River Road	Last house to Rt. 8	0	0.50	\$ 145,200.00	Ft. Thomas	2640	55	0.00
Rt.8	??? South to Tower Hill	0	1.00	\$ 290,400.00	Dayton/Ft. Thomas	5280	55	0.00
Rt.8	River Rd. to Blangey Rd.	0	0.30	\$ 87,120.00	Brent	1584	55	0.00
Ten Mile Road	Ritter to 2802 Ten Mile Rd. (Schack farm)	0.00	0.50	\$ 145,200.00	Unincorporated	2640	55	0.00
		0	8.05	\$ 2,337,720.00		42504		0.00

Project Summary #PCWD
 Pendleton County Water District
 Pendleton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21037050

<u>Street</u>	<u>Comment:</u>	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	<u>City</u>	Feet of Main	Est \$ per Foot	Customers Per mile
Aulick Rd.	From End of PCWD service Area to Muinn Rd.	12	0.70	\$ 203,280.00	Unincorporated	3696	55	17.14
Aulick Rd.	From Muinn Rd. to Demossville Rd.	3	0.40	\$ 116,160.00	Unincorporated	2112	55	7.50
Demossville Rd.	from Aulick to dead end	20	1.10	\$ 319,440.00	Unincorporated	5808	55	18.18
Hisserm Rd.	From Fatiiane to Nagel	8	0.90	\$ 261,360.00	Unincorporated	4752	55	8.89
Hisserm Rd.	From Nagel to Aulick	11	0.50	\$ 145,200.00	Unincorporated	2640	55	22.00
Hisserm Rd.	From Fatiiane to County Lihe	2	0.40	\$ 116,160.00	Unincorporated	2112	55	5.00
Muinn Rd.	Aulick to dead end	15	0.70	\$ 203,280.00	Unincorporated	3696	55	21.43
Nagel Rd.	From Ridge View Estates to Hisserm Rd.	10	0.70	\$ 203,280.00	Unincorporated	3696	55	14.29
Newkirk Road	From Fischer to Peach Grove Road (KY 154)	3	0.30	\$ 87,120.00	Unincorporated	1584	55	10.00
		84	5.70	\$ 1,655,280.00		30096		14.74

Subdistrict D Phase V
 Northern Kentucky Water District
 Campbell County Unserved Streets
 FUNDED - Completed 2003
 WRIS Project Number:

<u>Street</u>	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ per Foot	Customers Per mile
Licking Pike (from Walker Dr. to Pc from Walker Dr. to Poplar Thicket or #4006)		18	1.46	\$ 331,015.87	Alexandria	7709	42.94	12.33
Steffen Road (From Licking Pike to from Licking Pike to 1050 feet)		6	0.20	\$ 40,455.36	Alexandria	1056	38.31	30.00
		24	1.66	\$ 371,471.23		8765		

Subdistrict F
 Northern Kentucky Water District
 Campbell County Unserved Streets
 0-2 Year Project Funded
 WRIS Project Number: WX21037552

	STREET	DISTANCE MILES	TOTAL AVAIL. CUST	BID COST
Pk. A	Grandview Rd. (Incl. Amy Lou Dr.)	1.70	43	\$485,426
	Heck Rd.	0.70	12	
Pk. B	West Main Street	0.5	10	\$880,204
	Steffen Road	0.4	11	
	Licking Pike (Existing 8 to Ripple Creek)	0.4	7	
	Licking Pike From Trapp Rd to Rifle Range	1.7	31	
	Licking Pike from Rifle Range to Sub-D	0.85	7	\$221,656
Pk. C	Flagg Springs (Route 10)	1	15	\$195,305
		7.25	136	\$1,782,591

Cost Estimate:

1	Construction	\$1,782,591
2	Engineering	\$54,800
3	Geotechnical	\$23,311
4	Geotechnical Inspection (0.06%)	\$10,696
	KIA Administrative Fee (1/2 of 1%)	\$6,440
6	Legal	\$15,000
7	Contingencies	\$706,815
	Total	\$2,599,653

Source of Funds:

1	KIA/State Budget Funding	\$1,288,000
2	Campbell County Fiscal Court	\$25,000
3	Flagg Springs Market	\$55,000
4	Northern Ky Water Dist. Bond Issue	\$750,000
4a	NKWD Extension Contribution	\$235,365
4b	NKWD Hydraulic Improvement Contr.	\$246,288
4c	NKWD Customer Surcharge	\$
	Total	\$2,599,653

Project Profile Memorial Parkway Treatment Plant Improvements

Northern Kentucky Water District
Campbell County Unserved Streets
0-2 Year Project Funded State Revolving Loan
WRIS Project Number: WX21037560

\$6,365,000

Memorial Parkway Treatment Plant Improvements

This project profile has been updated to add a Filter Rehabilitation component, a Clearwell Rehabilitation and Baffling component and a distribution system interconnect component to strengthen the area served by the Memorial Parkway Treat Plant in addition to the Chemical Building Replacement project original proposed in 2004. Additionally, the District is planning to replace almost 500 feet of 4 inch transite (A.C.) water main located on Montrose Street in Ft. Thomas. These components together address several critical needs of the Memorial Parkway Treatment Plant and the distribution system area that it serves and meets several key criteria areas established in the DOW/KIA SRF Priority List.

In June 2002, the Northern Kentucky Water District acquired the City of Newport water distribution system and Memorial Parkway Water Treatment Plant to help regionalize the water system. In addition to serving the City of Newport, the Memorial Parkway Treatment Plant (MPTP) will help provide some treatment plant redundancy and will help meet future growth needs for the District. Several components of this facility and the distribution system it serves were identified for improvement. These improvements include the replacement of chemical storage and feed systems, improvements to three of the six filters, improvements and repairs to the 3 million gallon finished water clearwell, and a key redundancy interconnect between the Newport Low Service and High Service portions of the distribution system served by this critical treatment facility. A more detailed description of each of the improvements follows.

The MPTP existing chemical building is in poor condition and was designed for dry chemical storage only. The District needs to use liquid chemicals to meet current standards for water treatment. This proposed project would involve rebuilding the existing chemical building and appurtenances, updating the outdated chemical pumps and piping, and upgrading the liquid chemical storage areas to include a containment system. These improvements will help improve the efficiency of the plant and the overall site safety which would benefit our existing and future customers. This project also includes some modifications to the reservoir pumping station and pipe work. This improvement will allow the Memorial Parkway Treatment Plant to 1) supplement the potable water supply of the Northern Kentucky Water District, 2) have improved Microbiological and Turbidity removal by enhancing chemical systems, improving chemical reliability and 3) produce a more consistent water quality. This portion of the project is estimated to cost \$4,500,000.

The second component of this project includes renovating three filters because currently only three of the six available filters are functional. The three filters cannot be used because of problematic valves, nonfunctioning surface wash systems and media difficulties. This improvement will rehabilitate Filters 1,2 and 3 for operational flexibility and redundancy purposes. Presently there is filter redundancy when the plant is at capacity. This improvement will provide better finished water turbidity by improving the filter performance of the non-renovated filters and allowing the filters to perform at a lower flow rate. This improvement will also help allow the plant to be expanded to meet future supply needs. This improvement is estimated to cost \$630,000.

The third component of this project includes rehabilitating and baffling the District's MPTP 3-mgd clearwell. The existing valves that control water flow through the clearwell's chambers are not functional. As a result, the separate chambers cannot be isolated independently of each other making inspection difficult and cleaning impossible. In addition the concrete is in need of repairs in numerous locations due to cracking and chipping and exposed reinforcing rods. NKWD has also performed a tracer study of the clearwell and has found that in its current condition, it will not be able to meet disinfection contact time requirements during cold water temperatures at flow rates near the plant's rated capacity. As a result, the NKWD would intend to also install baffling during the renovation project to improve disinfection performance at the Memorial Parkway Treatment Plant. As a result of these improvements, CT removal requirements for microbial pathogens would be greatly improved. The Clearwell Rehabilitation and Baffling Improvement will provide better finished water quality by improving the disinfection efficiency of the treatment plant and is estimated to cost \$430,000.

The fourth component involves a critical interconnection between the distribution service area served by the District's Fort Thomas Treatment Plant and the Memorial Parkway Treatment Plant service area. This new water main improvement includes an interconnection between the District's 1017 gradient service area and its 740 service area in Newport. This improvement will 1) enhance pressure during emergency conditions created by breaks and leaks in the District's aged distribution system and 2) provide supplemental flow in the event of inadequate distribution storage due to a system emergency. This improvement is estimated to cost \$520,000.

The final component involves the replacement of a 460 foot long section of 4 inch transite water main located in the City of Fort Thomas.

The total project cost is estimated to be \$6,030,600. The District is seeking DOW SRF funding of \$4,000,000 for this critical project.

**Project Profile - Unserved streets - Installation of new water main - 3 Mile Road/Gibson Lane
Northern Kentucky Water District**

Campbell County Projects
0-2 Year Project Funded
WRIS Project Number: WX21037561

City of Wilder - Three Mile Road/Gibson Lane Water Project

This project will construct a water line on Three Mile Road and Gibson Lane from I-275 to Licking Pike.

\$200,000

Project Profile Water Quality Infrastructure Rehabilitation and Upgrade - Water Works Road
Northern Kentucky Water District
Campbell County Projects
0-2 Year Project Funded
WRIS Project Number: WX21037562

\$200,000

City of Newport - Water Work Road water main replacement project

This project will replace the existing dual 20" critical transmission water lines on Water Works Road in Newport, Ky.

Project Profile Water Quality Infrastructure Rehabilitation and Upgrade - Newport Pavilion

Northern Kentucky Water District

Campbell County Projects

0-2 Year Project Funded

WRIS Project Number: WX21037563

\$200,000

City of Newport -Newport Pavilion water line project

This project will replace the existing water lines to feed the Newport Pavilion development project in Newport, Ky.

Kenton County Unserved Street Listing

Sorted by "CUSTOMERS PER MILE"

Full Listing

<u>Street</u>	<u>Comment:</u>	<u>House Count</u>	<u>Distance (Miles)</u>	<u>Est. Cost</u>	<u>City</u>	<u>Footage</u>	<u>\$/Foot</u>	<u>Customers Per Mile</u>
Cherry	Off KY 17, North of Apple	6	0.2	73,920.00	Independence	1056	70	30.00
Oak Island	Moffett to #14056	3	0.1	36,960.00	SKC	528	70	30.00
Stafford Heights Lane	Off Harris Pike	6	0.2	73,920.00	Independence	1056	70	30.00
Marshall Road	KY 177 to #9325	12	0.4	147,840.00	Covington	2112	70	30.00
Wright Road	Graven to D.E.	4	0.14	51,744.00	SKC	739	70	28.57
Fontanna	KY 177	16	0.6	221,760.00	SKC	3168	70	26.67
KY 177	KY 14 to #15168	16	0.6	221,760.00	SKC	3168	70	26.67
Webster Road	Richardson Road to D.E.	18	0.7	258,720.00	Independence	3696	70	25.71
Jones Road	American Legion to D.E.	36	1.4	517,440.00	SKC	7392	70	25.71
Kenton Station Road	KY 177 to D.E. (Thornhill)	5	0.2	73,920.00	SKC	1056	70	25.00
Carlisle Road	KY 14 to Parker Grove	45	1.9	205,385.00	SKC	10032	20.47	23.68
White Villa Estates	Lakeshore, Maple, North Lake Rd	26	1.1	406,560.00	SKC	5808	70	23.64
Hempfling Road	Navaho Road to slide area	18	0.8	295,680.00	SKC	4224	70	22.50
Courtney Road	Eads Road to Boone County Line	27	1.25	131,690.00	SKC	6600	19.95	21.60
Lunsford Road	Off KY 14 (Bullock Pen)	14	0.7	82,185.00	SKC	3696	22.24	20.00
Lakeview Drive	Off Taylor Mill Road, South of Harris	2	0.1	36,960.00	SKC	528	70	20.00
Far Hills Drive	From end of 16" to D.E.	1	0.05	18,480.00	Independence	264	70	20.00
Conley Road	KY 177 to #3953	6	0.3	110,880.00	SKC	1584	70	20.00
Goshorn Road	Fiskburg to D.E.	16	0.8	295,680.00	SKC	4224	70	20.00
Northcut Road	Jones Road to D.E.	8	0.4	147,840.00	SKC	2112	70	20.00
Sawgrass Road	Off Green Road	2	0.1	36,960.00	SKC	528	70	20.00
Bird Road	D.E. near Wynewood to end of road	6	0.3	110,880.00	SKC	1584	70	20.00
Marshall Road	Klette to #9440	2	0.1	36,960.00	Covington	528	70	20.00
Dixon Drive	Rich Road to #14038	18	1	369,600.00	SKC	5280	70	18.00
Ernst Bridge Road	From RR bridge to #4425 (Ryland CC)	7	0.4	147,840.00	SKC	2112	70	17.50
Scenic Ridge Drive	Off Pelly Road	5	0.3	110,880.00	Independence	1584	70	16.67
Hempfling Road	Navaho to Oak Island	10	0.6	221,760.00	SKC	3168	70	16.67
Gene Street	Off Walton Nicholson Road	4	0.25	92,400.00	SKC	1320	70	16.00
Bagby Road	US 25 to Parker Grove	38	2.4	245,770.00	SKC	12672	19.39	15.83
Mason Road	hydrant at #460 to Decoursey	3	0.2	73,920.00	Taylor Mill	1056	70	15.00
Holdsbranch	End of existing pipe to D.E. of street	6	0.4	147,840.00	Taylor Mill	2112	70	15.00

James Road	South of Moffett	3	0.2	73,920.00	SKC	1056	70	15.00
Old Fowler Creek Road	Off KY 17	3	0.2	73,920.00	Covington	1056	70	15.00
Peoples Cemetary	Bagby Rd to dead end (Bullock Pen)	3	0.2	19,105.00	SKC	1056	18.09	15.00
Rich Road	Fiskburg to KY 177 to Rouse	9	0.6	221,760.00	SKC	3168	70	15.00
Rouse	KY 177 to Rich	3	0.2	73,920.00	SKC	1056	70	15.00
Taylor Mill Road	#4860 to Grand	6	0.4	147,840.00	Taylor Mill	2112	70	15.00
Worthington Drive	Off KY 17, South of Hands Pike	3	0.2	73,920.00	Covington	1056	70	15.00
Rich Road	Little Cruises to Fiskburg	15	1	369,600.00	SKC	5280	70	15.00
Stephenson Road	Off KY 14 (Bullock Pen)	16	1.1	106,240.00	SKC	5808	18.29	14.55
Steep Creek	KY 177 to #3704 at bridge	14	1	369,600.00	SKC	5280	70	14.00
Trace Run Road	Off of Moffett	11	0.8	295,680.00	SKC	4224	70	13.75
Bethel Grove Road	End of Sub E to D.E.	3	0.22	81,312.00	Visalia	1162	70	13.64
Parker Grove	KY 14 to Shady Lane - Grant County Lin	30	2.2	230,550.00	SKC	11616	19.85	13.64
Gleason Road	KY 17 to D.E.	4	0.3	110,880.00	SKC	1584	70	13.33
Steep Creek	Marshall to #3382 at bridge	8	0.6	221,760.00	SKC	3168	70	13.33
Case Road	Steep Creek to KY 177	4	0.3	110,880.00	SKC	1584	70	13.33
James Road	North of Moffett from Amer Legion to D.I	4	0.3	110,880.00	SKC	1584	70	13.33
Locust Lane	KY 17 to D.E.	2	0.15	55,440.00	SKC	792	70	13.33
KY 177	#14669 at bridge to Rich Road	17	1.3	480,480.00	Kenton	6864	70	13.08
Mann Road	Visalia to #11606	9	0.7	258,720.00	SKC	3696	70	12.86
Little Cruises Creek Rd	KY 17 to Rich Road	33	2.6	960,960.00	SKC	13728	70	12.69
Webster Road	South of Independence Station to D.E.	5	0.4	147,840.00	Independence	2112	70	12.50
Pruett	Marshall to Petty	5	0.4	147,840.00	SKC	2112	70	12.50
Fowler Creek Road	Old Madison to new Madison connector	15	1.2	443,520.00	Independence	6336	70	12.50
Harrisburg Road	Klein to D.E.	5	0.4	147,840.00	SKC	2112	70	12.50
Grassy Creek Road	Gardnersville to D.E.	15	1.2	126,720.00	SKC	6336	20	12.50
Paxton Road	End of Sub C #1723 to Parker Grove	10	0.8	75,310.00	SKC	4224	17.83	12.50
River Road (Route 8)	Chevron to #486 (towards Bromley)	11	0.9	332,640.00	Villa Hills	4752	70	12.22
Elliot Road	KY 17 to D.E.	18	1.5	554,400.00	SKC	7920	70	12.00
Fiskburg Road	Pfanstiehl to Alexander	6	0.5	184,800.00	SKC	2640	70	12.00
Graven Road	End of Sub C to Wright Road	3	0.25	92,400.00	SKC	1320	70	12.00
Cody Road	Flagstone to #5555	7	0.6	221,760.00	Independence	3168	70	11.67
Wright Road	Banklick to Graven	14	1.2	443,520.00	SKC	6336	70	11.67
Mann Road	Steep Creek to 11606	9	0.8	295,680.00	SKC	4224	70	11.25
Anderson Road	Gardnersville to D.E.	10	0.9	95,040.00	SKC	4752	20	11.11
Alexander Road	Fiskburg Road to KY 177	34	3.1	1,145,760.00	SKC	16368	70	10.97
Forest View Lane	Last hydrant on Cleveland Ave to D.E.	3	0.3	110,880.00	Taylor Mill	1584	70	10.00
Ishmael	End of existing hydrant to #14072	1	0.1	36,960.00	SKC	528	70	10.00
Justice Lane	Last hydrant to D.E.	3	0.3	110,880.00	Independence	1584	70	10.00
Webster Road	North of Independence Station	2	0.2	73,920.00	Independence	1056	70	10.00
Fiskburg Road	Goshorn to Pfanstiehl Road	1	0.1	36,960.00	SKC	528	70	10.00

Fuchs Road	Garvey Avenue to D.E.	1	0.1	36,960.00	Elsmere	528	70	10.00
Hempfling Road	Sub C D.E. to slide area #2713	7	0.7	258,720.00	SKC	3696	70	10.00
Independence Station Rd	Justice to RR Tracks	3	0.3	110,880.00	Independence	1584	70	10.00
KY 177	End of Sub E, past Conley to 13361	15	1.5	554,400.00	Visalia	7920	70	10.00
Moffett Road	Armstrong to #3630	3	0.3	110,880.00	SKC	1584	70	10.00
Nelson Road	Narrows to Deer Chase	1	0.1	36,960.00	Erlanger	528	70	10.00
Rosanna Lane	Off of Callant	4	0.4	147,840.00	SKC	2112	70	10.00
Spruce View Drive	Walton Nicholson to D.E.	2	0.2	73,920.00	SKC	1056	70	10.00
Steep Creek	#3382 at bridge to #3709 at bridge	10	1	369,600.00	SKC	5280	70	10.00
Washboard Road	KY 177 to D.E.	4	0.4	147,840.00	SKC	2112	70	10.00
Wayman Branch	Between old T.M. system and NKWD s	5	0.5	184,800.00	Taylor Mill	2640	70	10.00
Kensington Road	Off Green Road	2	0.2	73,920.00	SKC	1056	70	10.00
Kenton Station Road	Martin to Rector	17	1.8	665,280.00	SKC	9504	70	9.44
Hempfling Road	Oak Island to Rich	12	1.3	480,480.00	SKC	6864	70	9.23
Conley Road	Kenton Station to #3953	9	1	369,600.00	SKC	5280	70	9.00
Saint Marys Road	Alexander to KY 177	7	0.8	295,680.00	SKC	4224	70	8.75
Eads Road	US 25 to I-7175	6	0.7	258,720.00	SKC	3696	70	8.57
Pfansfleh Road	Fiskburg to D.E.	12	1.4	517,440.00	SKC	7392	70	8.57
Locust Pike/Lawnmower Road	Feiser Road to # 9684	21	2.5	924,000.00	Ryland Heights	13200	70	8.40
Tamarita Lane	Harris to KY 16	1	0.12	44,352.00	Independence	634	70	8.33
Rich Road	End of Sub C to #3493	4	0.5	184,800.00	SKC	2640	70	8.00
Alexander Road	KY 177 to D.E.	8	1	369,600.00	SKC	5280	70	8.00
Vises's Trail	From KY177 go North 0.77 miles(south r	6	0.77	284,592.00	SKC	4066	70	7.79
KY 177	St. Mary Rd to Alexander Road	10	1.3	480,480.00	SKC	6864	70	7.69
Armstrong Road	Off Moffett to D.E.	3	0.4	147,840.00	SKC	2112	70	7.50
Porter Road	Hydrant at #8924 to hydrant at #9028	2	0.28	103,488.00	Ryland Heights	1478	70	7.14
Erlanger Road	Turfway to dead end	2	0.3	110,880.00	Erlanger	1584	70	6.67
Fiskburg Road	Alexander to Rich Road	4	0.6	221,760.00	SKC	3168	70	6.67
Hergott Drive	Off KY 17, Norther of Callant	4	0.6	221,760.00	SKC	3168	70	6.67
McHugh Lane	Off Independence Station Road	2	0.3	110,880.00	Independence	1584	70	6.67
Montague Road	Fire Hydrant to #1760	2	0.33	121,968.00	Covington	1742	70	6.06
River Road (Route 8)	Amsterdam to Chevron	11	1.9	702,240.00	Villa Hills	10032	70	5.79
Decoursey	I-275 to hydrant at #7900	4	0.7	258,720.00	Fairview	3696	70	5.71
Lambs Ferry Road	Whites Road to Whites Road	10	1.8	665,280.00	Ryland Heights	9504	70	5.56
Eubanks Road	Erlanger-Crs.Spgs. Road to D.E.	2	0.4	147,840.00	Crescent Spgs	2112	70	5.00
Key West Road	US 25 to D.E. (Bullock Pen)	1	0.2	21,120.00	SKC	1056	20	5.00
KY 177	#14443 south of Kenton Station to bridg	3	0.6	221,760.00	Kenton	3168	70	5.00
Lipscomb	Lieberman to D.E.	2	0.4	147,840.00	Covington	2112	70	5.00
Narrows Road	Thorn tree to Nelson (served by spiderlin	1	0.2	73,920.00	Erlanger	1056	70	5.00
Navaho Road	Hempfling to D.E.	1	0.2	73,920.00	SKC	1056	70	5.00
Rich Road	#3493 to Hempfling	1	0.2	73,920.00	SKC	1056	70	5.00

Gardnersville Road	End of Sub C to Anderson Road	3	0.6	63,360.00	SKC	3168	20	5.00
Eads Road	I-71/75 to #504	6	1.35	142,560.00	SKC	7128	20	4.44
Campbell Drive	US 25 to D.E.	3	0.7	258,720.00	SKC	3696	70	4.29
Decoursey	Marshall to end of Sub-R	3	0.7	258,720.00	Ryland Heights	3696	70	4.29
Madison Pike	Old Richardson Road to Far Hills	3	0.7	258,720.00	Independence	3696	70	4.29
Fowler Creek Road	Cox to Stephens	2	0.5	184,800.00	Independence	2640	70	4.00
KY 177	Ryland Lakes C.C. to #11282	5	1.4	517,440.00	SKC	7392	70	3.57
Menefee Road	Shady Lane to county line	1	0.3	31,680.00	SKC	1584	20	3.33
Wehrman Road	KY 16 to D.E.	1	0.3	110,880.00	Independence	1584	70	3.33
Rich Road	Hempfling to Little Cruises	1	0.4	147,840.00	SKC	2112	70	2.50
Stephens Drive	Don Victor to Oliver	1	0.4	147,840.00	Independence	2112	70	2.50
Pin Oak Lane	Erlanger showcase cinema drive to D.E.	1	0.5	184,800.00	Erlanger	2640	70	2.00
Fowler Creek Road	New Madison connector road to Pelly	1	0.6	221,760.00	Covington	3168	70	1.67
Gripshover	County line to D.E.	1	0.6	63,360.00	SKC	3168	20	1.67
Moffett Road	Kenton Station to #3630	1	0.6	221,760.00	SKC	3168	70	1.67
Marshall Road	Coleman to Stewart	1	0.8	295,680.00	Ryland Heights	4224	70	1.25
Independence Road	#1068 to End of Sub C	0	0.27	99,792.00	SKC	1426	70	0.00
Locust Pike	#9684 To end of Sub R near Whites	0	0.5	184,800.00	Ryland Heights	2640	70	0.00
Amsterdam Road	12" CC to Sanitation Plant Entrance	0	0.65	240,240.00	Villa Hills	3432	70	0.00
Decoursey	Grand to I-275	0	0.6	221,760.00	Covington	3168	70	0.00
Horsebranch	#760 Horsebranch to Thomas More Parl	0	1.06	391,776.00	Crestview Hills	5597	70	0.00
Independence Station Rd	Canberra to R.R. Tracks	0	0.4	147,840.00	Independence	2112	70	0.00
KY 177	#15168 to St. Marys Road	0	0.6	221,760.00	SKC	3168	70	0.00
KY 177	Alexander Road to Pendleton County Lit	0	0.3	110,880.00	SKC	1584	70	0.00
Narrows Road	Richardson to Thornitree	0	0.2	73,920.00	Erlanger	1056	70	0.00
Narrows Road	Nelson to D.E. at Erlanger Fire	0	0.2	73,920.00	Erlanger	1056	70	0.00
Oak Island	#14056 to Hempfling	0	0.7	258,720.00	SKC	3696	70	0.00
Rice Road #1	Off Mills Road	0	0.25	92,400.00	Independence	1320	70	0.00
Shady Lane	Bagby Rd to county line	0	0.5	52,800.00	SKC	2640	20	0.00
Steepy Hollow Road	Existing D.E. near Diamond Ct. to Ludlo	0	1	369,600.00	Covington	5280	70	0.00
	Total	1022	93.69	30,333,179.00		494683		

Campbell/Kenton

2020 Water Management
Planning Council

2007 Project Profiles Submittal Summaries

Kenton County Area

Project 1 - Kenton County Water Unserved and Underserved Project 2
Northern Kentucky Water District
Kenton County Projects
0-2 Year Project
WRIS Project Number:

\$9,773,000

Underserved and Unserved Projects

This project profile summarizes a critical unserved and underserved \$6,380,000 project that will impact over 60% of the District's nearly 80,000 customer base. This project will also include an additional interconnection between the Bullock Pen Water District and the Northern Kentucky Water District. The District has completed a preliminary engineering report that includes the project cost estimates. The Northern Kentucky Water District is seeking \$3,000,000 of State Budget funding and will provide a match for the remaining \$3,380,000 necessary to complete the project. The District is committing these funds through Bond Anticipation Notes and other local funding sources. Design will commence upon receiving State Budget Funding.

- 1) The unserved portion of this project includes 6.6 miles of waterline extension to serve 146 households at a project cost of \$1,966,000. The average number of households served per mile for this project is 21.95 per mile. This project will provide an additional \$50,000. interconnection between the Bullock Pen Water District and the Northern Kentucky Water District. This component will be partially funded by a \$30 monthly customer surcharge and will be part of the District's Subdistrict system designated as Subdistrict M.
- 2) The underserved portion of this project includes several components. The first is a 36 inch River Crossing that will provide an additional river crossing across the Licking River for security and redundancy purposes in the event the District loses service from its existing 36 inch Licking River Crossing. This component will impact over 50% of the District's nearly 80,000 customers at an estimated cost of \$2,710,000. The next component is the construction of a back-up power generator to power the District's Taylor Mill Treatment Plant Pump Station for security purposes at an estimated cost of \$1,654,000.

Project Profile Covington Water Main Replacement Project
 Northern Kentucky Water District
 Kenton County Projects
 0-2 Year Project
 WRIS Project Number:

Water Main Replacement Project

This project profile summarizes a critical underserved \$5,000,000 project that involves the replacement of water mains located in the urban core of the Northern Kentucky Water District's Kenton County Service Area. The location of this project is in Covington and involves the replacement of several water lines with a high incidence of breakage. The District has completed a preliminary engineering report that includes the project cost estimates. The Northern Kentucky Water District is seeking \$2,500,000 of State Budget funding and will provide a match for the remaining \$2,500,000 necessary to complete the project. The District is committing these funds through Bond Anticipation Notes and other local funding sources. Design will commence upon receiving State Budget Funding.

<u>Street</u>	<u>Comment:</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>
Crescent Avenue	Highway Avenue to 9th Street	\$ 1,045,000.00	Covington	3800	275
Western Avenue	Highway Avenue to 12th Street	\$ 1,170,000.00	Covington	5200	225
Philadelphia Street	3rd street to 9th Street	\$ 652,500.00	Covington	2900	225
Robbins Street	Madison Avenue to Prospect Avenue	\$ 340,000.00	Covington	1700	200
10th Street	Madison Avenue to Greenup Street	\$ 200,000.00	Covington	1000	200
Altamont Street	West Street to John Street	\$ 650,000.00	Covington	2600	250
41st Street	Winston Avenue to Decoursey Avenue	\$ 370,000.00	Covington	1850	200
42nd Street	Winston Avenue to Decoursey Avenue	\$ 440,000.00	Covington	2200	200
Greenup Street	9th Street to 11th Street	\$ 175,000.00	Covington	875	200
		\$ 5,042,500.00			

Project Secondary Bullock Pen Water Line Extension Phase 6 and 9 - currently being modified by Bullock Pen

Kenton County Unserved Streets
 0-2 year HIGH PRIORITY
 WRIS Project Number: WX21117012

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Bagby Road	US 25 to Parker Grove	37	2.40	\$ 696,960.00	SKC	12672	55	15.42
Carlisle Road	KY 14 to Parker Grove	45	1.90	\$ 551,760.00	SKC	10032	55	23.68
Courtney Road	Eads Road to Boone County Line	27	0.70	\$ 203,280.00	SKC	3696	55	38.57
Lunsford Road	Off KY 14 (Bullock Pen)	15	0.70	\$ 203,280.00	SKC	3696	55	21.43
Menefee Road	Shady Lane to county line	1	0.30	\$ 87,120.00	SKC	1584	55	3.33
Parker Grove	KY 14 to Shady Lane - Grant County Line	34	2.20	\$ 638,880.00	SKC	11616	55	15.45
Paxton Road	End of Sub C #1723 to Parker Grove	13	1.50	\$ 435,600.00	SKC	7920	55	8.67
Peoples Cemetary	Bagby Rd to dead end (Bullock Pen)	3	0.20	\$ 58,080.00	SKC	1056	55	15.00
Shady Lane	Bagby Rd to county line	0	0.50	\$ 145,200.00	SKC	2640	55	0.00
Stephenson Road	Off KY 14 (Bullock Pen)	16	1.10	\$ 319,440.00	SKC	5808	55	14.55
Key West Road	US 25 to D.E. (Bullock Pen)	1	0.20	\$ 58,080.00	SKC	1056	55	5.00
		192	11.70	\$ 3,397,680.00		61776		16.41

Subdis. M
 Project Summary #2
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117300

<u>Street</u>	<u>Comment:</u>	<u>Number of Unserved Households</u>	<u>Distance (Miles)</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>	<u>Customers Per Mile</u>
Wright Road	Graven to D.E.	4	0.10	\$ 29,040.00	SKC	528	55	40.00
Cherry	Off KY 17, North of Apple	6	0.20	\$ 58,080.00	Independence	1056	55	30.00
Oak Island	Moffett to #14056	3	0.10	\$ 29,040.00	SKC	528	55	30.00
Stafford Heights Lane	Off Harris Pike	6	0.20	\$ 58,080.00	Independence	1056	55	30.00
Marshall Road	KY 177 to #9325	12	0.40	\$ 116,160.00	Covington	2112	55	30.00
Webster Road	Richardson Road to D.E.	18	0.70	\$ 203,280.00	Independence	3696	55	25.71
Kenton Station Road	KY 177 to D.E. (Thornhill)	5	0.20	\$ 58,080.00	SKC	1056	55	25.00
White Villa Estates	Lakeshore, Maple, North Lake Rd	26	1.10	\$ 354,288.00	SKC	5808	61	23.64
Far Hills Drive	From end of 16" to D.E.	1	0.05	\$ 14,520.00	Independence	264	55	20.00
Lakeview Drive	Off Taylor Mill Road, South of Harris	2	0.10	\$ 29,040.00	SKC	528	55	20.00
Goshorn Road	Fiskburg to D.E.	16	0.80	\$ 232,320.00	SKC	4224	55	20.00
Marshall Road	Klette to #9440	2	0.10	\$ 29,040.00	Covington	528	55	20.00
Sawgrass Road	Off Green Road	2	0.10	\$ 29,040.00	SKC	528	55	20.00
Bird Road	D.E. near Wynewood to end of road.	6	0.30	\$ 87,120.00	SKC	1584	55	20.00
Dixon Drive	Rich Road to #14038	18	1.00	\$ 290,400.00	SKC	5280	55	18.00
Ernst Bridge Road	From RR bridge to #4425 (Ryland CC)	7	0.40	\$ 116,160.00	SKC	2112	55	17.50
Scenic Ridge Drive	Off Pelly Road	5	0.30	\$ 87,120.00	Independence	1584	55	16.67
Gene Street	Off Walton Nicholson Road	4	0.25	\$ 72,600.00	SKC	1320	55	16.00
Graven Road	End of Sub C to Wright Road	3	0.25	\$ 72,600.00	SKC	1320	55	12.00
		146	6.65	\$ 1,966,008.00		35112		21.95

Subdis. FF
 Project Summary #3
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117302

<u>Street</u>	<u>Comment:</u>	<u>Number of Unserved Households</u>	<u>Distance (Miles)</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>	<u>Customers Per Mile</u>
Holdsbranch	End of existing pipe to D.E. of street	6	0.40	\$ 116,160.00	Taylor Mill	2112	55	15.00
James Road	South of Moffett	3	0.20	\$ 58,080.00	SKC	1056	55	15.00
Old Fowler Creek Road	Off KY 17	3	0.20	\$ 58,080.00	Covington	1056	55	15.00
Taylor Mill Road	#4860 to Grand	6	0.40	\$ 116,160.00	Taylor Mill	2112	55	15.00
Worthington Drive	Off KY 17, South of Hands Pike	3	0.20	\$ 58,080.00	Covington	1056	55	15.00
Mason Road	hydrant at #460 to Decoursey	3	0.20	\$ 58,080.00	Taylor Mill	1056	55	15.00
Steep Creek	KY 177 to #3704 at bridge	14	1.00	\$ 290,400.00	SKC	5280	55	14.00
Case Road	Steep Creek to KY 177	4	0.30	\$ 87,120.00	SKC	1584	55	13.33
Rich Road	End of Sub C to #3493	4	0.50	\$ 145,200.00	SKC	2640	55	8.00
Rich Road	#3493 to Hempling	1	0.20	\$ 58,080.00	SKC	1056	55	5.00
Rich Road	Hempling to Little Cruises	1	0.40	\$ 116,160.00	SKC	2112	55	2.50
Rich Road	Little Cruises to Fiskburg	15	1.00	\$ 290,400.00	SKC	5280	55	15.00
Rich Road	Fiskburg to KY 177 to Rouse	9	0.60	\$ 174,240.00	SKC	3168	55	15.00
Rouse	KY 177 to Rich	3	0.20	\$ 58,080.00	SKC	1056	55	15.00
KY 177	KY 14 to #15168	16	0.60	\$ 174,240.00	SKC	3168	55	26.67
KY 177	#14669 at bridge to Rich Road	17	1.30	\$ 377,520.00	Kenton	6864	55	13.08
Fontanna	KY 177	16	0.60	\$ 174,240.00	SKC	3168	55	26.67
		124	8.30	\$ 2,410,320.00		43824		14.94

Subproject O
 Project Summary #4
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117303

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Bethel Grove Road	End of Sub E to D.E.	3	0.22	\$ 63,888.00	Visalia	1162	55	13.64
Steep Creek	Marshall to #3382 at bridge	8	0.60	\$ 174,240.00	SKC	3168	55	13.33
James Road	North of Moffett from Amer Legion to D.E.	4	0.30	\$ 87,120.00	SKC	1584	55	13.33
Oak Island	#14056 to Hempling	0	0.70	\$ 203,280.00	SKC	3696	55	0.00
Gleason Road	KY 17 to D.E.	4	0.30	\$ 87,120.00	SKC	1584	55	13.33
Hempfling Road	Navaho to Oak Island	10	0.60	\$ 174,240.00	SKC	3168	55	16.67
Hempfling Road	Navaho Road to slide area	18	0.80	\$ 232,320.00	SKC	4224	55	22.50
Conley Road	KY 177 to #3953	6	0.30	\$ 87,120.00	SKC	1584	55	20.00
Conley Road	Kenton Station to #3953	9	1.00	\$ 290,400.00	SKC	5280	55	9.00
Locust Lane	KY 17 to D.E.	2	0.15	\$ 43,560.00	SKC	792	55	13.33
River Road (Route 8)	Chevron to #486 (towards Bromley)	11	0.90	\$ 261,360.00	Villa Hills	4752	55	12.22
Mann Road	Visalia to #11606	9	0.70	\$ 203,280.00	SKC	3696	55	12.86
Pruett	Marshall to Petty	5	0.40	\$ 116,160.00	SKC	2112	55	12.50
Fowler Creek Road	Old Madison to new Madison connector rd	15	1.20	\$ 348,480.00	Independence	6336	55	12.50
		104	8.17	\$ 2,372,568.00		43138		12.73

Subdis.....Q
 Project Summary #5
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117304

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Harrisburg Road	Klein to D.E.	5	0.40	\$ 116,160.00	SKG	2112	55	12.50
Webster Road	South of Independence Station to D.E.	5	0.40	\$ 116,160.00	Independence	2112	55	12.50
Little Cruises Creek Rd	KY 17 to Rich Road	33	2.60	\$ 755,040.00	SKC	13728	55	12.69
Elliot Road	KY 17 to D.E.	18	1.50	\$ 435,600.00	SKC	7920	55	12.00
Fiskburg Road	Pfanstiehl to Alexander	6	0.50	\$ 145,200.00	SKC	2640	55	12.00
Fiskburg Road	Goshorn to Pfanstiehl Road	1	0.10	\$ 29,040.00	SKC	528	55	10.00
Cody Road	Flagstone to #5555	7	0.60	\$ 174,240.00	Independence	3168	55	11.67
Wright Road	Banklick to Graven	14	1.20	\$ 348,480.00	SKC	6336	55	11.67
Mann Road	Steep Creek to 11606	9	0.80	\$ 232,320.00	SKC	4224	55	11.25
Trace Run Road	Off of Moffett	11	0.80	\$ 232,320.00	SKC	4224	55	13.75
		109	8.90	\$ 2,584,560.00		46992		12.25

Subdist. ... T
 Project Summary #6
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117650

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Webster Road	North of Independence Station	2	0.20	\$ 58,080.00	Independence	1056	55	10.00
Fuchs Road	Garvey Avenue to D.E.	1	0.10	\$ 29,040.00	Elsmere	528	55	10.00
Hempfling Road	Sub C D.E. to slide area #2713	7	0.70	\$ 203,280.00	SKC	3696	55	10.00
Alexander Road	Fiskburg Road to KY 177	34	3.10	\$ 900,240.00	SKC	16368	55	10.97
Independence Station Rd	Justice to RR Tracks	3	0.30	\$ 87,120.00	Independence	1584	55	10.00
KY 177	End of Sub E, past Conley to 13361	15	1.50	\$ 435,600.00	Visalia	7920	55	10.00
Moffett Road	Armstrong to #3630	3	0.30	\$ 87,120.00	SKC	1584	55	10.00
Nelson Road	Narrows to Deer Chase	1	0.10	\$ 29,040.00	Erlanger	528	55	10.00
Rosanna Lane	Off of Callant	4	0.40	\$ 116,160.00	SKC	2112	55	10.00
Spruce View Drive	Walton Nicholson to D.E.	2	0.20	\$ 58,080.00	SKC	1056	55	10.00
Steep Creek	#3382 at bridge to #3709 at bridge	10	1.00	\$ 290,400.00	SKC	5280	55	10.00
Forest View Lane	Last hydrant on Cleveland Ave to D.E.	3	0.30	\$ 87,120.00	Taylor Mill	1584	55	10.00
		85	8.20	\$ 2,381,280.00		43296		10.37

Subdistrict V
 Project Summary #7
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117307

Comment:

Street

Street	Comment	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Ishmael	End of existing hydrant to #14072	1	0.10	\$ 29,040.00	SKC	528	55	10.00
Wayman Branch	Between old T.M. system and NKWD sys	5	0.50	\$ 145,200.00	Taylor Mill	2640	55	10.00
Justice Lane	Last hydrant to D.E.	3	0.30	\$ 87,120.00	Independence	1584	55	10.00
Hempfling Road	Oak Island to Rich	12	1.30	\$ 377,520.00	SKC	6864	55	9.23
Locust Pike/Lawnmower Rd	Feiser Road to # 9684	21	2.50	\$ 726,000.00	Ryland Heights	13200	55	8.40
Kenton Station Road	Martin to Rector	17	1.80	\$ 522,720.00	SKC	9504	55	9.44
Saint Marys Road	Alexander to KY 177	7	0.80	\$ 232,320.00	SKC	4224	55	8.75
Eads Road	US 25 to I-71/75	6	0.70	\$ 203,280.00	SKC	3696	55	8.57
		71	7.90	\$ 2,294,160.00		41712		8.99

Subdis...AA
 Project Summary #8
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117301

<u>Street</u>	<u>Comment:</u>	<u>Number of Unserved Households</u>	<u>Distance (Miles)</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>	<u>Customers Per Mile</u>
Pfansstiehl Road	Fiskburg to D.E.	12	1.40	\$ 406,560.00	SKC	7392	55	8.57
Tamarita Lane	Harris to KY 16	1	0.12	\$ 34,848.00	Independence	634	55	8.33
Alexander Road	KY 177 to D.E.	8	1.00	\$ 290,400.00	SKC	5280	55	8.00
Vises's Trail	From KY177 go North 0.77 miles(south en	6	0.77	\$ 223,608.00	SKC	4066	55	7.79
KY 177	St. Mary Rd to Alexander Road	10	1.30	\$ 377,520.00	SKC	6864	55	7.69
Armstrong Road	Off Moffett to D.E.	3	0.40	\$ 116,160.00	SKC	2112	55	7.50
Porter Road	Hydrant at #8924 to hydrant at #9028	2	0.28	\$ 81,312.00	Ryland Heights	1478	55	7.14
Washboard Road	KY 177 to D.E.	4	0.40	\$ 116,160.00	SKC	2112	55	10.00
KY 177	#14443 south of Kenton Station to bridge	3	0.60	\$ 174,240.00	Kenton	3168	55	5.00
Erlanger Road	Turway to dead end	2	0.30	\$ 87,120.00	Erlanger	1584	55	6.67
Fiskburg Road	Alexander to Rich Road	4	0.60	\$ 174,240.00	SKC	3168	55	6.67
Hergott Drive	Off KY 17, Norther of Callant	4	0.60	\$ 174,240.00	SKC	3168	55	6.67
		59	7.77	\$ 2,256,408.00		41026		7.59

Subdis. .BB
 Project Summary #9
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number:

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
McHugh Lane	Off Independence Station Road	2	0.30	\$ 87,120.00	Independence	1584	55	6.67
River Road (Route 8)	Amsterdam to Chevron	11	1.90	\$ 551,760.00	Villa Hills	10032	55	5.79
Lamb's Ferry Road	Whites Road to Whites Road	10	1.80	\$ 522,720.00	Ryland Heights	9504	55	5.56
Montague Road	Fire Hydrant to #1760	2	0.33	\$ 95,832.00	Covington	1742	55	6.06
Decoursey	I-275 to hydrant at #7900	4	0.70	\$ 203,280.00	Fairview	3696	55	5.71
Kensington Road	Off Green Road	2	0.20	\$ 58,080.00	SKC	1056	55	10.00
Lipscomb	Lieberman to D.E.	2	0.40	\$ 116,160.00	Covington	2112	55	5.00
Narrows Road	Thorn tree to Nelson (served by spiderline)	1	0.20	\$ 58,080.00	Erlanger	1056	55	5.00
Eubanks Road	Erlanger-Crs.Spgs. Road to D.E.	2	0.40	\$ 116,160.00	Crescent Spgs	2112	55	5.00
Navaho Road	Hempling to D.E.	1	0.20	\$ 58,080.00	SKC	1056	55	5.00
Campbell Drive	US 25 to D.E.	3	0.70	\$ 203,280.00	SKC	3696	55	4.29
Decoursey	Marshall to end of Sub-R	3	0.70	\$ 203,280.00	Ryland Heights	3696	55	4.29
		43	7.83	\$ 2,273,832.00		41342		5.49

Subdist. ... CC
 Project Summary #10
 Northern Kentucky Water District
 Kenton County Unserved Streets
 WRIS Project Number: WX2111

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Madison Pike	Old Richardson Road to Far Hills	3	0.70	\$ 203,280.00	Independence	3696	55	4.29
Independence Road	#1068 to End of Sub C	0	0.27	\$ 78,408.00	SKC	1426	55	0.00
Fowler Creek Road	Cox to Stephens	2	0.50	\$ 145,200.00	Independence	2640	55	4.00
KY 177	Ryland Lakes C.C. to #11282	5	1.40	\$ 406,560.00	SKC	7392	55	3.57
Wehrman Road	KY 16 to D.E.	1	0.30	\$ 87,120.00	Independence	1584	55	3.33
Stephens Drive	Don Victor to Oliver	1	0.40	\$ 116,160.00	Independence	2112	55	2.50
Locust Pike	#9684 To end of Sub R near Whites	0	0.50	\$ 145,200.00	Ryland Heights	2640	55	0.00
Pin Oak Lane	Erlanger showcase cinema drive to D.E. (1	0.50	\$ 145,200.00	Erlanger	2640	55	2.00
Fowler Creek Road	New Madison connector road to Pelly	1	0.60	\$ 174,240.00	Covington	3168	55	1.67
Moffett Road	Kenton Station to #3630	1	0.60	\$ 174,240.00	SKC	3168	55	1.67
Marshall Road	Coleman to Stewart	1	0.80	\$ 232,320.00	Ryland Heights	4224	55	1.25
Amsterdam Road	12" CC to Sanitation Plant Entrance	0	0.65	\$ 188,760.00	Villa Hills	3432	55	0.00
Decoursey	Grand to I-275	0	0.60	\$ 174,240.00	Covington	3168	55	0.00
		16	7.82	\$ 2,270,928.00		41290		2.05

Subdist. D
 Project Summary #11
 Northern Kentucky Water District
 Kenton County Unserved Streets
 WRIS Project Number:

<u>Street</u>	<u>Comment:</u>	<u>Number of Unserved Households</u>	<u>Distance (Miles)</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>	<u>Customers Per Mile</u>
Horsebranch	#760 Horsebranch to Thomas More Parkv	0	1.06	\$ 307,824.00	Crestview Hills	5597	55	0.00
Independence Station Rd	Canberra to R.R. Tracks	0	0.40	\$ 116,160.00	Independence	2112	55	0.00
KY 177	Alexander Road to Pendleton County Line	0	0.30	\$ 87,120.00	SKC	1584	55	0.00
KY 177	#15168 to St. Marys Road	0	0.60	\$ 174,240.00	SKC	3168	55	0.00
Narrows Road	Richardson to Thorntree	0	0.20	\$ 58,080.00	Erlanger	1056	55	0.00
Narrows Road	Nelson to D.E. at Erlanger Fire	0	0.20	\$ 58,080.00	Erlanger	1056	55	0.00
Rice Road #1	Off Mills Road	0	0.25	\$ 72,600.00	Independence	1320	55	0.00
Sleepy Hollow Road	Existing D.E. near Diamond Ct. to Ludlow	0	1.00	\$ 290,400.00	Covington	5280	55	0.00
		0	4.01	\$ 1,164,504.00		21173		0.00

Subdist. 4E
 Project Summary #12
 Northern Kentucky Water District
 Kenton County Unserved Streets
 WRIS Project Number:

<u>Street</u>	<u>Comment:</u>	<u>Number of Unserved Households</u>	<u>Distance (Miles)</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>	<u>Customers Per Mile</u>
Jones Road	American Legion to D.E.	36	1.40	\$ 406,560.00	SKC	7392	55	25.71
Northcut Road	Jones Road to D.E.	8	0.40	\$ 116,160.00	SKC	2112	55	20.00
		44	1.80	\$ 522,720.00		9504		24.44

Bullock ...n Water District Phase 9
 Northern Kentucky Water District
 Kenton County Unserved Streets
 3-20 year project MEDIUM PRIORITY
 WRIS Project Number: WX21117205

<u>Street</u>	<u>Comment:</u>	<u>Number of Unserved Households</u>	<u>Distance (Miles)</u>	<u>Estimated Project Cost</u>	<u>City</u>	<u>Feet of Main</u>	<u>Est \$ Per Foot</u>	<u>Customers Per Mile</u>
Anderson Road	Gardnersville to D.E.	10	0.90	\$ 261,360.00	SKC	4752	55	11.11
Eads Road	I-71/75 to #504	6	1.35	\$ 392,040.00	SKC	7428	55	4.44
Gardnersville Road	End of Sub C to Anderson Road	3	0.60	\$ 174,240.00	SKC	3168	55	5.00
Grassy Creek Road	Gardnersville to D.E.	15	1.20	\$ 348,480.00	SKC	6336	55	12.50
Gripshover	County line to D.E.	1	0.60	\$ 174,240.00	SKC	3168	55	1.67
		35	4.65	\$ 1,350,360.00		24552		7.53

CONSTRUCTED...COMPLETED

Project Summary Subdistrict E
 Northern Kentucky Water District
 Kenton County Unserved Streets
 0-2 year Funded
 WRIS Project Number: WX21117200

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Bethel Grove Road	Vise's Trail to #12104	20	0.49	\$ 102,841.20	Visalia	2587	39.75	40.82
Brandy Lane	Bethel Grove to Licking Station	5	0.08	\$ 16,790.40	Visalia	422	39.75	62.50
Bromley-Cres. Springs	Amsterdam to north 0.53 miles toward Bro	17	0.59	\$ 123,829.20	Crescent Spgs	3115	39.75	28.81
Fiskburg Road	KY 17 to Goshorn (KY17 to 1.2 miles)	29	1.21	\$ 253,954.80	SKC	6389	39.75	23.97
Ishmail Road	Kenton Area	7	0.20	\$ 41,976.00	Kenton	1056	39.75	35.00
Kenton Station Road	Rector to Conley	10	0.77	\$ 161,607.60	SKC	4066	39.75	12.99
Kenton Station Road	Conley to Moffett	6	0.50	\$ 104,940.00	SKC	2640	39.75	12.00
Kenton Station Road	Moffett to KY 177	5	0.28	\$ 58,766.40	SKC	1478	39.75	17.86
KY 177	KY 536 North to #11282	8	0.36	\$ 75,556.80	Visalia	1901	39.75	22.22
KY 177	KY 536 to Visalia Road	13	0.45	\$ 94,446.00	Visalia	2376	39.75	28.89
KY 177	Visalia Road south to #12246	16	0.44	\$ 92,347.20	Visalia	2323	39.75	36.36
KY 177	Kenton Station south to #14443	34	1.28	\$ 268,646.40	Kenton	6758	39.75	26.56
KY 177	Kenton Station north to #13361	36	1.34	\$ 281,239.20	Kenton	7075	39.75	26.87
Licking Station	Bethel Grove to D.E.	12	0.23	\$ 48,272.40		1214	39.75	52.17
Oliver Road	Stephens to Harris	30	0.95	\$ 199,386.00		5016	39.75	31.58
Oliver Road	McCullum to Stephens	3	0.35	\$ 73,458.00		1848	39.75	8.57
St Johns Road	Bromley Crs. Springs to 0.37 miles	5	0.37	\$ 77,655.60		1954	39.75	13.51
Vise's Trail	KY 177 to Visalia Rd. to South .23 miles(n	13	0.40	\$ 83,952.00		2112	39.75	32.50
Whitaker/McDonald	Off of Old KY 17	6	0.17	\$ 35,679.60		898	39.75	35.29
		275	10.46	\$ 2,195,344.80		55229		

C. CONSTRUCTION COMPLETED

Project Primary Subdistrict R (Fairview/Ryland Heights)
 Northern Kentucky Water District
 Kenton County Unserved Streets
 0-2 year Funded
 WRIS Project Number: WX21117202

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
KY 177	End of Sub-R (near Kaiser) to Wolf Road	22	0.77	\$ 172,869.31	Fairview	4066	42.52	28.57
KY 177	Wolf to Marshall (bridge)	18	0.92	\$ 206,496.58	Ryland Heights	4858	42.51	19.57
KY 177	910' to short marshall, 500' short marshall	2	0.1	\$ 22,445.28		528	42.51	20.00
Porter Road		2	0.16	\$ 35,912.45		845	42.51	12.50
Tecumseh	Porter to D.E.	8	0.35	\$ 78,558.48		1848	42.51	22.86
		52	2.30	\$ 516,282.10		12144		

Primary Klette Road Project
 Northern Kentucky Water District
 Kenton County Unserved Streets
 0-2 year Funded
 WRIS Project Number: WX21117250

Street	Comment:	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	City	Feet of Main	Est \$ Per Foot	Customers Per Mile
Klette Road	#3335 to Rice Road	15	1.16	\$ 341,212.61	Independence	6125	55.71	12.93
Klette Road	Rice to Marshall	7	1.21	\$ 355,920.05	Independence	6389	55.71	5.79
Rice Road #2	Off Klette Road	16	0.45	\$ 132,366.96	Independence	2376	55.71	35.56
		38	2.82	\$ 829,499.62		14890		

Project: Primary Subdistrict G & I
 Northern Kentucky Water District
 Kenton County Unserved Streets
 0-2 year HIGH PRIORITY - FUNDED
 WRIS Project Number: WX21117004 Subdistrict G and WX21117203 Subdistrict I Unserved and Underserved Project 1

<u>Street</u>	<u>Comment:</u>	Number of Unserved Households	Distance (Miles)	Estimated Project Cost	<u>City</u>	Feet of Main	Est \$ Per Foot	Customers Per Mile
Banklick Road	Maher to Independence	17	0.90	\$ 289,872.00	Independence	4752	61	18.89
Banklick Road	Bramlage to Walton-Nicholson	15	1.40	\$ 450,912.00	Independence	7392	61	10.71
Banklick Road	Independence to Bramlage	1	0.40	\$ 128,832.00	Independence	2112	61	2.50
Bramlage Road	Banklick to Wilson	23	0.90	\$ 261,360.00	Independence	4752	55	25.56
Bullock Pen Road	From #1980 BP RD to #1590 BP RD (#19	20	0.80	\$ 232,320.00	Erlanger	4224	55	25.00
Cody Road	#5414 to #5364	6	0.50	\$ 145,200.00	Independence	2640	55	12.00
Estate Lane	Visalia Road (KY 536) to D.E.	8	0.30	\$ 87,120.00	SKC	1584	55	26.67
Fowler Creek Road	Pelly to Cox	19	1.30	\$ 377,520.00	Independence	6864	55	14.62
Independence Road	Wolf to D.E.	5	0.10	\$ 32,208.00	Covington	528	61	50.00
Independence Road	Banklick to #1068	4	0.23	\$ 66,792.00	SKC	1214	55	17.39
Klein Road	Visalia to D.E.	27	1.00	\$ 290,400.00	SKC	5280	55	27.00
Lieberman Drive	Lipscomb to Dead end	11	0.35	\$ 112,728.00	Covington	1848	61	31.43
Misty Lane	Off KY 17, North of Hands Pike	5	0.10	\$ 29,040.00	Covington	528	55	50.00
Petty Road	Marshall to End of Sub A	26	1.00	\$ 290,400.00	SKC	5280	55	26.00
Pleasure Isle Drive	New KY 17 to D.E.	10	0.19	\$ 55,176.00	Erlanger	1003	55	52.63
Sugar Camp Road	From #2870 to Fowler Creek	10	0.40	\$ 128,832.00	Covington	2112	61	25.00
Upton Drive	Cody to D.E.	4	0.25	\$ 72,600.00	Independence	1320	55	16.00
Webster Road	Off Cody Road - hydrant at #351 to D.E.	5	0.20	\$ 58,080.00	Independence	1056	55	25.00
Wolf	Holly Hock to D.E.	7	0.40	\$ 128,832.00	Covington	2112	61	17.50
Water fill stations	Ryland and Piner			\$ 51,965.00				
		216	10.72	\$ 3,290,189.00		56602		

Project: Perile Water Quality Infrastructure Rehabilitation and Upgrade
 Northern Kentucky Water District
 Kenton County Projects
 0-2 Year Project Funded
 WRIS Project Number: WX21117204 and WX21117205

Water Main Replacement Consensus Project

\$5,000,000

This project profile summarizes a critical underserved \$6,000,000 project and 1,000,000 project that involves the replacement of water mains located in the urban core of the Northern Kentucky Water District's Kenton County Service Area. The location of this project is in Covington and involves the replacement of several water lines with a high incidence of breakage. Design will commence upon receiving State Budget Funding.

Street	Comment:
Package A	
West 3rd Street	Crescent Avenue to Johnson St. (KY2374)
Johnson Street	West 2nd Street to West 5th St (KY2374)
Main Street	West 2nd Street to West 3rd Street
Cross Country W.M.	West 3rd Street to 20" suction side @nd Street Pump station
Package B	
West 4th Street	Johnson Street to Russell Street
Bakewell Street	200' north of West 2nd Street to West 9th Street
Covington Avenue	Johnson Street to Russell Street
Russell Street	West 4th Street to West 6th Street - switch services
East & West 5th Street	Johnson to Russell - switch services
Package C	
Pike Street	Willow Street to West 9th Street
Philadelphia Street	West 9th Street to Pike Street
West 9th Street	Philadelphia Street to Pike Street
Package D	
Prospect Street	Robbins to East 11th Street
East 11th Street	Wheeler Street to 100' west of Madison Ave.
East 10th Street	Greenup Street to Prospect Street
Wheeler Street	East 11th Street to 12th Street
East 9th Street	Madison Pike to Prospect Street
East 8th Street	Madison Pike to Gairard Street
East 7th Street	Greenup Street to Sanford Street
Package E	
Southern Avenue	Huntington Avenue to Glenn Avenue
Edgecliff Road	630' from Monroe to end of street
Benton Road	Highland Pike to Phelps
Point Benton Road	Benton Road to end of street
39th Street	Winston Avenue to Huntington-Avenue