

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

THE APPLICATION OF )  
NORTHERN KENTUCKY WATER DISTRICT ) Case No. 2014-00150  
FOR A CERTIFICATE OF CONVENIENCE )  
AND NECESSITY, FINANCING, SURCHARGE )  
AND CREATION OF SUB DISTRICT M )  
PURSUANT TO KRS 278.023 )

**APPLICATION FOR APPROVAL OF CONSTRUCTION AND FINANCING**  
**AND SURCHARGE FOR SUB DISTRICT M**

Northern Kentucky Water District (NKWD), by counsel, petitions for an order approving the construction and financing of a Sub District M as described below pursuant to KRS 278.023. In support of the application, the following information is provided:

1. NKWD's office address is 2835 Crescent Spring Rd., Erlanger, KY 41018-0640. Its principal officers are listed in its current Annual Report on page 6, which is filed with the Commission as are its prior years Reports and is incorporated by reference.

Its contact is:

Jack Bragg, Vice President Finance  
2835 Crescent Spring Rd.  
Erlanger, KY 41018-0640  
(859) 578 9898 Phone  
(859) 578-3668 fax  
jbragg@nkywater.org

2. NKWD is a non-profit water district organized under Chapter 74 and has no separate articles of incorporation;

3. A description of NKWD's water system and its property stated at original cost by accounts is contained in its Annual Report.

4. NKWD serves retail customers in Kenton, Boone and Campbell Counties and sells water at wholesale to non-affiliated water distribution systems in Kenton, Boone, Pendleton and Campbell Counties.

5. NKWD proposes to construct new facilities as described in Exhibits A and C.

6. It seeks approval pursuant to KRS 278.023, which applies to projects financed in whole or part by a federal lending agency, to construct and finance a new sub district M and to impose a surcharge of \$30.00 on each customer of the sub district. The cost and financing of the project is:

Cost of Facility:

Breakdown of Costs:

Development	\$ 2,928,900
Land and Rights	20,000
Legal and Administrative	41,000
Engineering	82,100
Interest	35,000
Contingencies	<u>293,000</u>
TOTAL	\$ 3,400,000

Financing:

RUS Loan	\$ 1,733,000
RUS Grant	600,000
HUD-CDBG Grant	1,000,000
Kenton County Fiscal Court	50,000
Connection Fees	<u>17,000</u>
TOTAL	\$ 3,400,000

Details of the project, financing and rates are set forth in the RD letter of Conditions, exhibit A.

7. The following information is provided as required by 807 KAR 5:069:

- a. There are no certified articles of incorporation for a KRS Chapter 74 Water District.
- b. The District is not a partnership and has no assumed name;
- c. A copy of the documents from the USDA with terms and conditions is

attached as exhibit A;

d. The RD Letter of Concurrence in Bid Award is attached as exhibit B;

e. The preliminary and final engineering reports are attached as exhibit C.

The District does not expect that the project will deviate from the minimum construction standards of the Commission;

f. A certified statement that the plans and specifications meet all applicable regulations; that all state approvals have been obtained; that the proposed rates will produce the calculated rates; and providing the beginning date and completion date of construction is attached as exhibit D;

g. Notice of proposed rates is being published as required by 807 KAR 5:069 and a copy of the notice and proposed tariff are attached as exhibit E;

h. Statement of notice to the local governing body is in exhibit F;

i. One PDF copy of the plans and specifications in electronic format.

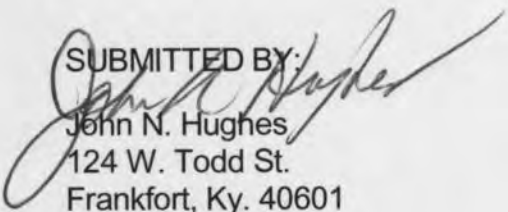
j. Statement of authorized official of the notice of the proposed rate to the governing body of the county of the largest number of customers.

1. This is no longer applicable to water districts.

k. A street density table and map of the streets affected are attached as exhibit G.

For these reasons, Northern Kentucky Water District requests that its application for the construction, financing and surcharge for sub district M be approved.

SUBMITTED BY:

  
John N. Hughes

124 W. Todd St.

Frankfort, Ky. 40601

(502) 227-7270

jnhughes@fewpb.net

ATTORNEY FOR NORTHERN

KENTUCKY WATER DISTRICT

NORTHERN KENTUCKY WATER DISTRICT

TABLE OF EXHIBITS  
COMPLYING WITH 807 KAR 5:069 AND 5:066

- A. A copy of the documents from the U.S. Department of Agriculture Agencies, stating approval of the water project and including all terms and conditions to be met.
- B. A copy of the letter of concurrence in bid award.
- C. A copy of the preliminary and final engineering reports
- D. A certified statement from an authorized utility Official confirming:
  - That the proposed plans and specifications for the project have been designed to meet the minimum construction and operating requirements established in 807 KAR5:066, Section 4(3) and (4), Section 5(1), Sections 6 and 7, Sections 8(1) through (3), Section 9(1), and Section 10.
  - That all other state approvals or permits have been obtained.
  - That the proposed rates, if any, shall produce the total revenue requirements set out in the engineering reports; and
  - The dates upon which construction is expected to begin and end.
- E. Copy of Notice to Customers of rate tariff
- F. Street density table and map of the area.

# NORTHERN KENTUCKY WATER DISTRICT

## Sub-district M Water Main Extension Project

Kenton County, Kentucky

Project 184-750

Documents from the U.S. Department of Agriculture Agencies,  
stating approval of the water project and including all terms and  
conditions to be met.



United States Department of Agriculture

Rural Development

July 1, 2013

Kentucky State Office

771 Corporate Drive,  
Suite 200  
Lexington, KY  
40503

C. Ronald Lovan, President/CEO  
Northern Kentucky Water District  
2835 Crescent Springs Road  
Erlanger, Kentucky 41018

Voice 859.224.7300  
Fax 859.224.7425  
TTY 859.224.7422

Dear President Lovan:

This letter establishes conditions which must be understood and agreed to by you before further consideration may be given to the application. The loan and grant will be administered on behalf of the Rural Utilities Service (RUS) by the State and Area office staff of USDA Rural Development. Any changes in project cost, source of funds, scope of services or any other significant changes in the project or applicant must be reported to and approved by USDA Rural Development, by written amendment to this letter. Any changes not approved by Rural Development shall be cause for discontinuing processing of the application. It should also be understood that Rural Development is under no obligation to provide additional funds to meet an overrun in construction costs.

This letter is not to be considered as loan and credit approval or as a representation as to the availability of funds. The docket may be completed on the basis of a RUS loan not to exceed \$1,733,000; a RUS grant not to exceed \$600,000; a Department of Housing and Urban Development (HUD) Community Development Block Grant (CDBG) in the amount of \$1,000,000; a Kenton County Fiscal Court contribution in the amount of \$50,000; and an applicant cash contribution in the amount of \$17,000.

If Rural Development makes the loan, the interest rate will be the lower of the rate in effect at the time of loan approval or the rate in effect at the time of loan closing, unless the applicant otherwise chooses. The loan will be considered approved on the date a signed copy of Form RD 1940-1, "Request for Obligation of Funds," is mailed to you.

Please complete and return the attached Form RD 1942-46, "Letter of Intent to Meet Conditions," if you desire that further consideration be given to your application.

The "Letter of Intent to Meet Conditions" must be executed within three weeks from the date of this letter or it becomes invalid unless a time extension is granted by Rural Development.

If the conditions set forth in this letter are not met within 210 days from the date hereof, Rural Development reserves the right to discontinue the processing of the application.

In signing Form RD 1942-46, "Letter of Intent to Meet Conditions," you are agreeing to complete the following as expeditiously as possible:

USDA is an equal opportunity provider and employer.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.inteake@usda.gov](mailto:program.inteake@usda.gov).

1. Number of Users and Their Contribution:

There shall be 80,554 water users, of which 80,418 are existing users and 136 are new users contributing \$17,000 in connection fees toward the cost of the project. The connection fees will be collected prior to advertising for construction bids and will be placed in the construction account at loan pre-closing, unless spent for authorized purposes prior to loan pre-closing. The Area Director will review and authenticate the number of users and amount of connection fees prior to advertising for construction bids.

2. Grant Agreement:

Attached is a copy of RUS Bulletin 1780-12, "Water and Waste System Grant Agreement," for your review. You will be required to execute a completed form at the time of grant closing.

3. Drug-Free Work Place:

Prior to grant closing, the District will be required to execute Form AD-1049, "Certification Regarding Drug-Free Workplace Requirements (Grants) Alternative I - For Grantees Other Than Individuals."

4. Repayment Period:

The loan will be scheduled for repayment over a period not to exceed 40 years from the date of the Bond. Principal payment will not be deferred for a period in excess of two years from the date of the Bond. Payments will be in accordance with applicable KRS, which requires interest to be paid semi-annually (January 1st and July 1st) and principal will be due on or before the first of January. Rural Development may require the District to adopt a supplemental payment agreement providing for monthly payments of principal and interest so long as the bond is held or insured by RUS. Monthly payments will be approximate amortized installments.

5. Recommended Repayment Method:

Payments on this loan shall be made using the Preauthorized Debit (PAD) payment method. This procedure eliminates the need for paper checks and ensures timely receipt of RD loan payments. To initiate PAD payments, Form RD 3550-28, "Authorization Agreement for Preauthorized Payments," should be signed by the District to authorize the electronic withdrawal of funds from your designated bank account on the exact installment payment due date. The Area Director will furnish the necessary forms and further guidance on the PAD procedure.

6. Reserve Accounts:

Reserves must be properly budgeted to maintain the financial viability of any operation. Reserves are important to fund unanticipated emergency maintenance, pay for repairs, and assist with debt service should the need arise.

The District will be required to deposit \$620 per month into a "Funded Debt Reserve Account" until the account reaches \$620. The deposits are to be resumed any time the account falls below the \$74,400.

The required monthly deposits to the Reserve Account and required Reserve Account levels are in addition to the requirements of the District's prior bond resolutions.

The monthly deposits to the Reserve Account are required to commence with the first month of the first full fiscal year after the facility becomes operational.

The District also needs to fund an account for short-lived assets by depositing a sum of \$144,500 monthly into the account. The funds in the short-lived asset account may be used by the District as needed to replace or add short-lived assets in the District's water system. This short-lived asset reserve amount replaces any previous short-lived assets requirements previously set with any prior RUS loan.

7. Security Requirements:

A pledge of gross water will be provided in the Bond Resolution. Bonds shall rank on a parity with existing bonds, if possible.

If this is not possible, the bond will be subordinate and junior to the existing bonds, in which case the District will be required to abrogate its right to issue additional bonds ranking on a parity with the existing bonds, so long as any unpaid indebtedness remains on this bond issue.

8. Land Rights and Real Property:

The District will be required to furnish satisfactory title, easements, etc., necessary to install, maintain and operate the facility to serve the intended users. The pipelines will be on private rights-of-way where feasible. Easements and options are to be secured prior to advertising for construction bids.

9. Organization:

The District will be legally organized under applicable KRS which will permit them to perform this service, borrow and repay money.

10. Business Operations:

The District will be required to operate the system under a well-established set of resolutions, rules and regulations. A budget must be established annually and adopted by the District after review by Rural Development. At no later than loan pre-closing, the District will be required to furnish a prior approved management plan to include, as a minimum, provisions for management, maintenance, meter reading, miscellaneous services, billing, collecting, delayed payment penalties, disconnect/reconnect fees, bookkeeping, making and delivering required reports and audits.



11. Accounts, Records and Audits:

The District will be required to maintain adequate records and accounts and submit annual budgets and year-end reports (annual audits) /statistical and financial reports, in accordance with subsection 1780.47 of RUS Instruction 1780.

The District shall be required to submit a copy of its audit agreement for review and concurrence by Rural Development prior to pre-closing the loan.

12. Accomplish Audits for Years in Which Federal Financial Assistance is Received:

The District will accomplish audits in accordance with OMB Circular A-133, during the years in which federal funds are received. The District will provide copies of the audits to the Area Office and the appropriate Federal cognizant agency as designated by OMB Circular A-133.

13. Insurance and Bonding:

The following insurance and bonding will be required:

- A. Adequate Liability and Property Damage Insurance including vehicular coverage, if applicable, must be obtained and maintained by the District. The District should obtain amounts of coverage as recommended by its attorney, consulting engineer and/or insurance provider.
- B. Worker's Compensation - The District will carry worker's compensation insurance for employees in accordance with applicable state laws.
- C. Fidelity Bond - The District will provide Fidelity Bond Coverage for all persons who have access to funds. Coverage may be provided either for all individual positions or persons, or through "blanket" coverage providing protection for all appropriate employees and/or officials. The amount of coverage required for all RUS loans is \$205,000.
- D. Real Property Insurance - The District will obtain and maintain adequate fire and extended coverage on all structures including major items of equipment or machinery located in the structures. The amounts of coverage should be based on recommendations obtained by the District from its attorney, consulting engineer and/or insurance provider. Subsurface lift stations do not have to be covered except for the value of electrical and pumping equipment therein.
- E. Flood Insurance - The District will obtain and maintain adequate coverage on any facilities located in a special flood and mudslide prone areas.

14. Planning and Performing Development:

- A. The engineer should not be authorized to commence work on final plans and specifications until a determination has been made that the project can be planned and constructed within the estimated cost shown in paragraph "24" of this letter. The engineer may then proceed to develop final plans

and specifications to be completed no later than 180 days from this date, and prepare bid documents. The Area Director is prepared to furnish the necessary guide to follow so as to keep the project plans and documents within our guidelines and requirements. The project should not be advertised for construction bids until all easements and enforceable options have been obtained, and total funds are committed or available for the project.

B. The following documents will be submitted to Rural Development for review and must be concurred in by Rural Development prior to advertisement for construction bids:

1. Final plans, specifications and bid documents.
2. Applicant's letter on efforts to encourage small business and minority-owned business participation.
3. Legal Service Agreements.
4. Engineering Agreements.

Revision in these documents will be subject to Rural Development concurrence. Any agreements, contracts, etc. not reviewed and approved by Rural Development will not be eligible for payment from project funds or revenues from facilities financed by this Agency.

Prior to receipt of an authorization to advertise for construction bids, the District will obtain advance clearance from Bond Counsel regarding compliance with KRS 424 pertaining to publishing of the advertisement for construction bids in local newspapers and the period of time the notice is required to be published.

15. Civil Rights & Equal Opportunity:

You should be aware of and will be required to comply with other federal statute requirements including but not limited to:

A. Section 504 of the Rehabilitation Act of 1973:

Under Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), no handicapped individual in the United States shall, solely by reason of their handicap, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Rural Development financial assistance.

B. Civil Rights Act of 1964:

All borrowers are subject to, and facilities must be operated in accordance with, Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.) and Subpart E of Part 1901 of this Title, particularly as it relates to conducting and reporting of compliance reviews. Instruments of conveyance for loans and/or grants subject to the Act must contain the covenant required by paragraph 1901.202(e) of this Title.

C. The Americans with Disabilities Act (ADA) of 1990:

This Act (42 U.S.C. 12101 et seq.) prohibits discrimination on the basis of disability in employment, state and local government services, public transportation, public accommodations, facilities, and telecommunications. Title II of the Act applies to facilities operated by state and local public entities that provide services, programs, and activities. Title III of the Act applies to facilities owned, leased, or operated by private entities that accommodate the public.

D. Age Discrimination Act of 1975:

This Act (42 U.S.C. 6101 et seq.) provides that no person in the United States shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

Rural Development financial programs must be extended without regard to race, color, religion, sex, national origin, marital status, age, or physical or mental handicap.

16. Closing Instructions:

The Office of General Counsel, our Regional Attorney, will be required to write closing instructions in connection with this loan. Conditions listed therein must be met by the District.

17. Compliance with Special Laws and Regulations:

The District will be required to conform to any and all state and local laws and regulations affecting this type project.

18. Treatment Plant and System Operator:

The District is reminded that the treatment plant and system operator must have an Operator's Certificate issued by the State.

19. Prior to Pre-Closing the Loan, the District Will Be Required to Adopt:

- A. Form RUS Bulletin 1780-27, "Loan Resolution (Public Bodies)."
- B. Form RD 400-1, "Equal Opportunity Agreement."
- C. Form RD 400-4, "Assurance Agreement."
- D. Form AD-1047, "Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transaction."
- E. Form RD 1910-11, "Applicant Certification Federal Collection Policies for Consumer or Commercial Debts."

F. RD Instruction 1940-Q, Exhibit A-1, "Certification for Contracts, Grants and Loans."

G. RUS Bulletin 1780-22, "Eligibility Certification."

20. Refinancing and Graduation Requirements:

The District is reminded that if at any time it shall appear to the Government that the District is able to refinance the amount of the RUS indebtedness then outstanding, in whole or in part, by obtaining a loan from commercial sources at reasonable rates and terms, upon the request of the Government, the District will apply for and accept such loan in sufficient amount to repay the Government.

21. Commercial Interim Financing:

The District will be required to use commercial interim financing for the project during construction for the RUS loan portion of the financing, if available at reasonable rates and terms.

Before the loan is closed, the District will be required to provide Rural Development with statements from the contractor, engineer and attorneys that they have been paid to date in accordance with their contract or other agreements and, in the case of the contractor, that he has paid his suppliers and sub-contractors.

22. Disbursement of Project Funds:

A construction account for the purpose of disbursement of project funds (RUS) will be established by the District prior to start of construction. The position of officials entrusted with the receipt and disbursement of RUS project funds will be covered by a "Fidelity Bond," with USDA Rural Development as Co-Obligee, in the amount of construction funds on hand at any one time during the construction phase.

For each "construction account" as established, if the amount of RUS loan and grant funds plus any applicant contributions or funds from other sources to be deposited into the account are expected to exceed \$250,000 at any time, the financial institution will secure the amount in excess of \$250,000 by pledging collateral with the Federal Reserve Bank in an amount not less than the excess in accordance with 7 CFR, 1902.7(a).

During construction, the District shall disburse project funds in a manner consistent with subsection 1780.76 (e) of RUS Instruction 1780. Form RD 1924-18, "Partial Payment Estimate," or similar form approved by Rural Development, shall be used for the purpose of documenting periodic construction estimates, and shall be submitted to Rural Development for review and acceptance. Prior to disbursement of funds by the District, the Board of Directors shall review and approve each payment estimate. All bills and vouchers must be approved by Rural Development prior to payment by the District.

Form RD 440-11, "Estimate of Funds Needed for 30-Day Period Commencing \_\_\_\_\_," will be prepared by the District and submitted to Rural Development in order that a periodic advance of federal cash may be requested.

Borrowers receiving federal loan and/or grant funds by EFT will have funds directly deposited to a specified account at a financial institution with funds being available to the recipient on the date of payment. The borrower should complete Form SF-3881, "Electronic Funds Transfer Payment Enrollment Form," for each account where funds will be electronically received. The completed form(s) must be received by Rural Development at least thirty (30) days prior to the first advance of funds.

Monthly audits of the District's construction account records shall be made by Rural Development.

23. Disbursement of Grant Funds:

The RUS funds will be advanced as they are needed in the amount(s) necessary to cover the RUS proportionate share of obligations due and payable by the District. Grant funds, upon receipt, must be deposited in an interest bearing account in accordance with 7 CFR part 3016 (as applicable). Interest earned on grant funds in excess of \$100 (as applicable) per year will be submitted to RUS at least quarterly.

24. Cost of Facility:

Breakdown of Costs:

Development	\$ 2,928,900
Land and Rights	20,000
Legal and Administrative	41,000
Engineering	82,100
Interest	35,000
Contingencies	<u>293,000</u>
TOTAL	\$ 3,400,000

Financing:

RUS Loan	\$ 1,733,000
RUS Grant	600,000
HUD-CDBG Grant	1,000,000
Kenton County Fiscal Court	50,000
Connection Fees	<u>17,000</u>
TOTAL	\$ 3,400,000

25. Commitment of Other Project Funds:

This Letter of Conditions is issued contingent upon a firm commitment being in effect prior to advertising for construction bids for the HUD-CDBG grant in the amount of \$1,000,000, and for the Kenton County Fiscal Court contribution in the amount of \$50,000.

26. Use of Remaining Project Funds:

The connection fees shall be considered as the first funds expended. After providing for all authorized costs, any remaining project funds will be considered to be RUS/CDBG

grant funds and refunded in proportion to participation in the project. If the amount of unused project funds exceeds the grants, that part would be RUS loan funds.

27. Proposed Operating Budget:

You will be required to submit to Rural Development a copy of your proposed annual operating budget that supports the proposed loan repayment prior to this agency giving you written authorization to proceed with the bidding phase. The operating budget should be based on a typical year cash flow, subject to completion of this project in the first full year of operation. Form RD 442-7, "Operating Budget," or similar form may be utilized for this purpose.

28. Rates and Charges:

Rates and charges for facilities and services rendered by the District must be at least adequate to meet cost of maintaining, repairing and operating the water system and meeting required principal and interest payments and the required deposits to debt service and/or depreciation reserve.

### SECTION I - RETAIL WATER RATES

#### Northern Kentucky Water District Service Area

##### I. Monthly Service Rate

First 1,500 cubic feet	\$4.25 per 100 cubic feet
Next 163,500 cubic feet	\$3.53 per 100 cubic feet
Over 165,000 cubic feet	\$2.72 per 100 cubic feet

**Customers in Subdistrict A** \*shall be assessed a monthly surcharge in the amount of \$ 8.55

**Customers in Subdistrict B** \*shall be assessed a monthly surcharge in the amount of \$17.92

**Customers in Subdistrict C** \*shall be assessed a monthly surcharge in the amount of \$18.48

**Customers in Subdistrict D** \*shall be assessed a monthly surcharge in the amount of \$30.00

**Customers in Subdistrict E** \*shall be assessed a monthly surcharge in the amount of \$30.00

**Customers in Subdistrict F** \*shall be assessed a monthly surcharge in the amount of \$30.00

**Customers in Subdistrict G** \*shall be assessed a monthly surcharge in the amount of \$30.00

**Customers in Subdistrict K** \*shall be assessed a monthly surcharge in the amount of \$13.65

**Customers in Subdistrict M** \*shall be assessed a monthly surcharge in the amount of \$30.00

**Customers in Subdistrict R** \*shall be assessed a monthly surcharge in the amount of \$18.73

**Customers in Subdistrict RF** \*shall be assessed a monthly surcharge in the amount of \$21.61

**Customers in Subdistrict RL** \*shall be assessed a monthly surcharge in the amount of \$36.22

## 2. Quarterly Rates

First	4,500 cubic feet	\$4.25 per 100 cubic feet
Next	490,500 cubic feet	\$3.53 per 100 cubic feet
Over	495,000 cubic feet	\$2.72 per 100 cubic feet

## 3. Fixed Service Charge

Meter Size	<u>Monthly Service Charge</u>	<u>Quarterly Charge</u>
5/8"	\$14.20	\$28.40
3/4"	\$14.60	\$29.90
1"	\$16.00	\$34.30
1 1/2"	\$18.00	\$40.50
2"	\$22.70	\$56.90
3"	\$54.90	\$177.00
4"	\$68.80	\$221.80
6"	\$101.90	\$327.80
8"	\$137.60	\$447.90
10" and Larger	\$183.00	\$584.80

## SECTION II - WHOLESALE WATER SALES

Bullock Pen Water District \$3.26 per 1,000 gallons (or) \$2.44 per 100 cubic feet

City of Walton \$3.26 per 1,000 gallons (or) \$2.44 per 100 cubic feet

Pendleton County \$3.26 per 1,000 gallons (or) \$2.44 per 100 cubic feet

## 29. Compliance with the Bioterrorism Act:

Prior to pre-closing the loan, the District will provide a certification they have completed a Vulnerability Assessment (VA) and prepared an emergency response plan (ERP) as required by the Safe Drinking Water Act (SDWA).

30. Floodplain Construction:

The District will be required to pass and adopt a Resolution or amend its By-Laws whereby the District will deny any water service to any future customer wishing to build on or develop property located within a designated floodplain. If a customer or developer requests service for construction in a designated floodplain, the customer or developer must provide evidence and a justification for approval by the District and Rural Development officials that there are no other alternatives to construction or development within the designated floodplain. The community must be a participant in the National Flood Insurance Program (NFIP) and the customer or developer must obtain the required permits prior to the tap on restrictions being waived.

31. Water Withdrawal Permit:

The District will be required to obtain satisfactory evidence that a revised water withdrawal permit has been secured from the Division of Water. The permit must be obtained prior to the commencement of construction on the water project.

32. Mitigation Measures:

- A. The project shall be in compliance with all requirements noted in the Governor's Office for Local Development letter dated August 30, 2012, from Ms. Lee Nalley.
- B. The design and construction shall be in compliance with the requirements of the U.S. Fish and Wildlife Service as requested by letter dated March 6, 2013, and signed by Virgil Lee Andrews, Jr., Field Supervisor.
- C. The line design and construction shall be accomplished in a way that will leave flood plains and farmland without effect after construction is complete. The Army Corps of Engineers Nationwide Permit No. 12 applies to all floodplain and wetland utility line construction.
- D. The project shall be in compliance with the letter from the State Historic Preservation Officer dated May 24, 2013.
- E. Any excavation by Contractor that uncovers a historical or archaeological artifact shall be immediately reported to Owner and a representative of Agency. Construction shall be temporarily halted pending the notification process and further directions issued by Agency after consultation with the State Historic Preservation Officer (SHPO).
- F. The design and construction shall be in compliance with all local, state and federal environmental statutes, regulations and executive orders applicable to the project.



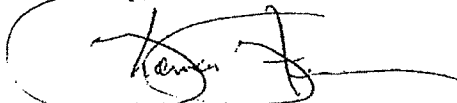
- G. Best Management Practices shall be incorporated into the project design, construction, and maintenance.

33. Final Approval Conditions:

Final approval of this assistance will depend on your willingness, with the assistance of all your co-workers, to meet the conditions of this letter in an orderly and systematic manner. Then too, final approval will depend on funds being available.

If you desire to proceed with your application, the Area Director will allot a reasonable portion of time to provide guidance in application processing.

Sincerely,



THOMAS G. FERN  
State Director

Enclosures

cc: Area Director - Morehead, Kentucky  
Northern Kentucky ADD - Florence, Kentucky  
Rubin & Hays - Louisville, Kentucky  
Hemmer DeFrank, PLLC - Fort Mitchell, Kentucky  
HDR Engineers - Lexington, Kentucky  
PSC - ATTN: Jeff Derouen - Frankfort, Kentucky

# NORTHERN KENTUCKY WATER DISTRICT

## Sub-district M Water Main Extension Project

### Kenton County, Kentucky

### Project 184-750

Letter of Concurrence in Bid Award.



United States Department of Agriculture

Rural Development

April 16, 2014

APR 21 2014

Kentucky State Office

771 Corporate Drive,  
Suite 200  
Lexington, KY  
40503

**SUBJECT:** Northern Kentucky Water District  
Waterline Extensions  
Contract Award Concurrence

Voice 859.224.7300  
Fax 859.224.7425  
TTY 859.224.7422

**TO:** Area Office  
Morehead, Kentucky

Based on the bids received and the recommendation of the consulting engineer, Rural Development concurs in the award of subject contract to the low bidder, Smith and Brown, in the amount of \$1,989,522.00.

If you have any questions, please contact Julie Anderson, State Engineer, at (859) 224-7348.

  
THOMAS G. FERN  
State Director  
Rural Development

cc: HDR Engineers  
Lexington, Kentucky

Shaffer and Williams  
Louisville, Kentucky

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Case No. 2014-00150  
Exhibit     C    

# NORTHERN KENTUCKY WATER DISTRICT

Sub-district M Water Main Extension Project

Kenton County, Kentucky

Project 184-750

Preliminary and Final Engineering Reports

# **Preliminary Engineering Report**

## **Kenton County Unserved Project – 2012 (Subdistrict M) Northern Kentucky Water District**

**January 2013**

*Prepared by:*

HDR Engineering, Inc.  
2517 Sir Barton Way  
Lexington, Kentucky 40509  
(859) 223-3755



***Preliminary Engineering Report***  
***Kenton County Unserved Project – 2012 (Subdistrict M)***  


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***Northern Kentucky Water District***

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***Preliminary Engineering Report***  
***Kenton County Unserved Project – 2012 (Subdistrict M)***  

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***Northern Kentucky Water District***

***Introduction***

The Northern Kentucky Water District (NKWD) provides potable water service to approximately 300,000 people across northern Kentucky. With a service area stretching over 300 square miles, customers in portions of Campbell, Kenton, Boone, Grant, and Pendleton County receive NKWD's potable water. NKWD maintains its reliable service through its three water treatment plants (WTP), sixteen pump stations, twenty storage tanks, and approximately 1,272 miles of water main.

This report will detail the investigation into extending potable water service to a previously unserved area in Kenton County. The project scope includes the design and construction of a water main, extending approximately 6.74 miles, along Cruise Creek Road, Rich Road, Fontana Road, KY 177 (Decoursey Pike), Rouse Road, Camp Road, Harbil Road, and Lakeview Drive. This preliminary engineering report (PER) has considered environmental issues as part of the engineering planning and information contained herein will be used to help process the funding request.

***Project Planning Area***

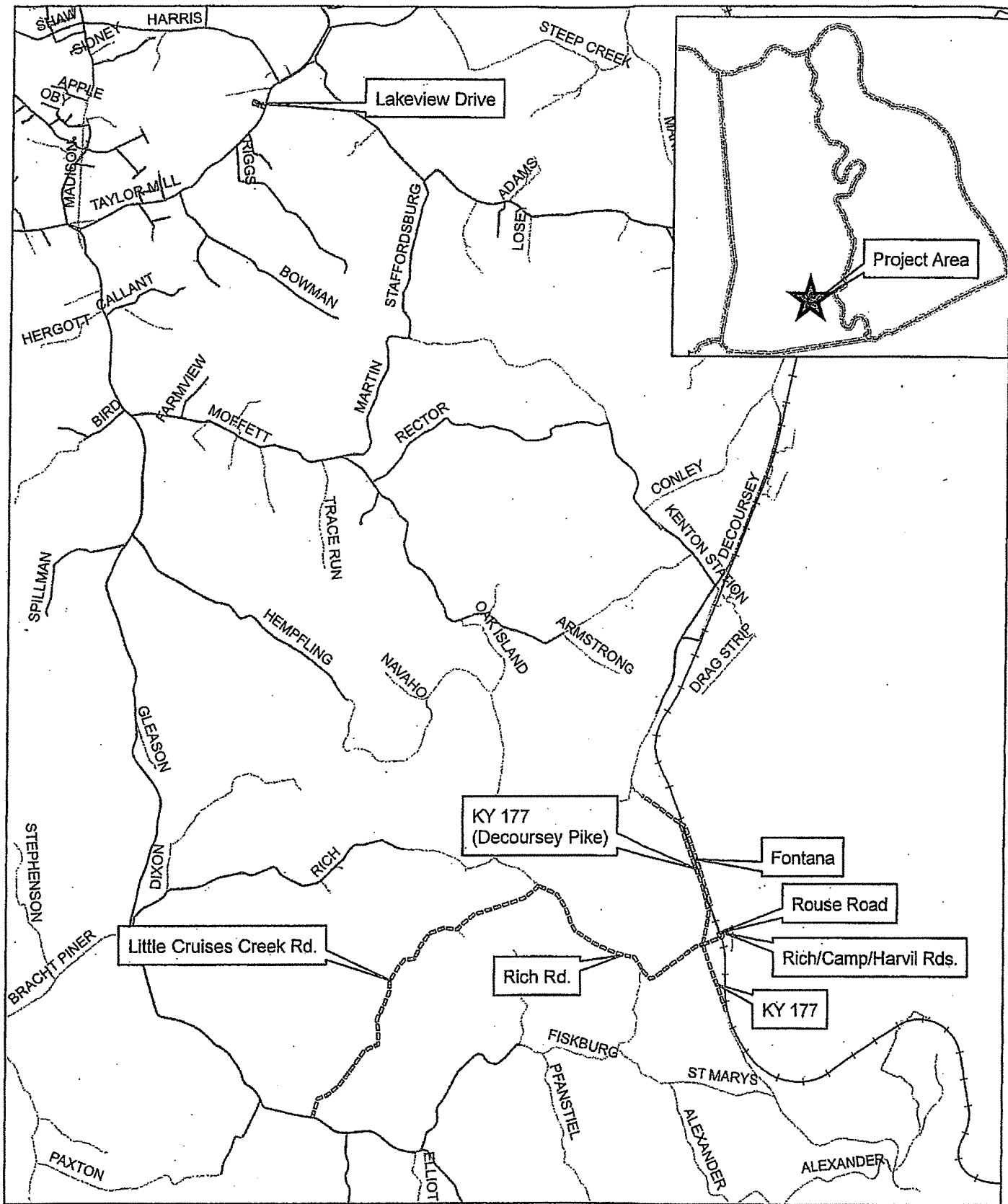
As noted, NKWD potable water service stretches into and across various counties: Campbell, Kenton, Boone, Grant, and Pendleton County. Utilizing three water treatment plants and a network of water mains, NKWD has extended its service to a large majority of residents in the service area. As part of the Kenton County Unserved – Sub-District M project, NKWD will further extend its service to customers located primarily in the southern portion of Kenton County. A location map outlining the existing service area, natural boundaries such as the Ohio River, elevations, and the proposed project area is shown on Figure 1 on the next page.

***Environmental Resources Present***

As part of the planning process, an environmental report will be completed according to the guidelines delineated in RUS Bulletin 1794A-602, March 2008.

***Growth Areas and Population Trends***

Northern Kentucky has seen tremendous growth over the past several years that has not been typically observed in other portions of Kentucky. In the five counties with customers receiving NKWD service, population has increased from a total of 362,845 in 2000 to 408,406 in 2010. Table 1 shows population projections for the five counties with NKWD customers.



**NKWD - Kenton County Unserved Project 2012  
 (Subdistrict M) - KIA Project WX#21117211  
 Little Crusie Creek, Rich, Fontana, KY 177 (Decoursey Pike),  
 Lakeview Dr., Rouse Road, Harvil Drive, and Camp Drive**



**Table 1**  
**Population Projections**

	<i>Census 2000</i>	<i>Census 2010</i>	<i>Projections</i>			
			<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<b>Kentucky</b>	4,041,769	4,339,367	4,509,429	4,672,754	4,820,390	4,951,178
Boone County	85,991	118,811	135,584	153,933	172,101	190,270
Campbell County	88,616	90,336	91,199	91,642	91,475	90,731
Grant County	22,384	24,662	25,832	26,917	27,912	28,768
Kenton County	151,464	159,720	164,307	168,458	171,990	174,699
Pendleton County	14,390	14,877	15,173	15,387	15,499	15,489
<b>Five-County Total</b>	<b>362,845</b>	<b>408,406</b>	<b>432,095</b>	<b>456,337</b>	<b>478,977</b>	<b>499,957</b>
<b>% of Kentucky Total</b>	<b>9.0%</b>	<b>9.4%</b>	<b>9.6%</b>	<b>9.8%</b>	<b>9.9%</b>	<b>10.1%</b>

Source: Kentucky State Data Center, University of Louisville, 2011

**Existing Facilities**

NKWD was formed in 1996 with the merger of Campbell County Water District and Kenton County Water District. The merger made NKWD the largest water district in Kentucky. NKWD is a well operated system consisting of water treatment plants, pump stations, storage tanks, and water mains. The details of the system are available in Table 2.

**Table 2**  
**Water System Details**

<i>Asset</i>	<i>Quantity</i>
Water Treatment Plant	3 total, 64 MGD capacity
Pumps	16
Water Storage Tank	20
Distribution/Transmission Main	1,272 miles
Service Area	300 square miles

Currently, the NKWD water system has no persistent issues with disinfection byproducts (DBPs), low chlorine residual or line pressure. In May 2010, construction began on projects that added advanced treatment capabilities to the existing Memorial Parkway and Fort Thomas Treatment Plants. These improvements added granular activated carbon contactors and ultraviolet light reactors to the existing processes to help cope with more stringent regulations and the variable water quality received from the Ohio River. These improvements, combined with the existing treatment process, has enabled NKWD to meet the more stringent Stage 2 Disinfectants and Disinfection Byproducts Rule that came into effect in 2012. Overall, these treatment improvements, and the existing capacity of 64 million gallons per

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day (MGD), have established the NKWD WTP facilities as a long-term, reliable source for potable water service.

The location and elevations of the surrounding elevated water storage tanks are critical to the project. The elevated water storage tanks will provide adequate storage and pressure to the new service areas. The service areas are located in the pressure zone provided by storage tanks with an overflow elevation of 1080 feet. Proposed elevations reach as low as approximately 530 feet and as high as 890 feet, resulting in static pressures of 238 pounds per square inch (psi) and 82 psi, respectively.

### ***Financial Status***

NKWD has been able to maintain excellent customer service and high quality water while maintaining a cost structure competitive with other utilities. The current rates are available in Appendix A.

### ***Operations and Maintenance Costs***

With the location of the proposed main extensions, water can be provided to the area via gravity flow. No additional operational expenses will be incurred due to pumping.

### ***Need for Project***

#### ***Growth***

The proposed project is based on current needs of the residents in the area. Future growth projections are modest for the area. Upon completion of the water main extension, it is estimated approximately 135 residential and small business customers will be able to buy water meters and connect to the new main

#### ***Health, Sanitation and Security***

A primary driver for the project is health and sanitation. The proposed project is necessary to provide residents in southern Kenton County potable water service. Along the proposed route, approximately 400 residents will have access to safe, clean potable water as a result of this project. Currently, these residents do not have direct access to NKWD's treated water. The residents must receive their water from nearby wells or from a water hauling station. From a health and sanitation perspective, water from wells and hauling stations can not compare to that from NKWD service:

- Well waters have become increasingly polluted in many areas. Pollutants include nutrients, such as nitrates from farming, and also industrial pollutants, such as synthetic oils. These pollutants are often difficult to

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detect without expensive testing, and are hazardous in very small quantities.

- Hauling water creates water quality issues with storing and detention times. Often, hauled water will reside in tanks for extended periods of time, leading to loss of chlorine residual, increased DBP formation, and ripe conditions for biological growth. Also, containers for stored water are often neglected proper cleaning procedures, creating an additional hazard and possible source for contamination.

### ***System O&M***

A second priority for NKWD is overall system operations and maintenance (O&M). NKWD has done an excellent job managing their distribution system. Currently, water loss is at 14 percent (as reported to the PSC for 2011). This project will extend mains into previously unserved areas and will not currently affect operations of the existing system. In order to address potential water loss issues and inefficient designs, several considerations will be made in the design process. First, a geotechnical analysis will be conducted of the proposed main alignments to ensure construction in solid material and earth slides/sub-surface movement can be minimized so mains are not disrupted or disconnected. Second, long-term improvements and extensions in the area will help to minimize water age and ensure hydraulic 'loops' are achieved where applicable. As part of this project, hydrants will be utilized to flush lines and control water age in dead-end parts of the system.

### **Project Alternatives**

Alternatives to the proposed project are very limited. Those considered included a "No Action" alternative. A "No Action" alternative is not considered acceptable because new customers are within the NKWD service area and would greatly benefit from the health, sanitation, and security aspects of the potable water service.

From a design approach, several alternatives will be investigated, including:

- Pipe material
- Hydraulic loops and dead-ends
- Private versus public right-of-way alignment

In areas where ground elevations are less than 792 feet and pressures reach 125 psi, ductile iron (DI) pipe will be utilized. DI pipe is used primarily by NKWD and is a known pipe material to the distribution and maintenance staff. In areas of the system where pressures are below 125 psi (and ground elevations are 792 feet and above), polyvinyl chloride (PVC) pipe will be considered to save on total construction cost.

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In areas of the project, specifically near Harbil Street, Camp Drive, Fontana Road, and Rouse Road, the option to connect some of the mains will be considered. By connecting the mains, hydraulic 'loops' can be established, allowing water to flow in both directions, minimizing dead-end areas. The additional line 'loops' may add cost, however there will likely be operational savings in maintenance with the reduction of flushing needed.

An additional alternative being evaluated is the use of 6-inch ductile iron for dead-end mains in lieu of 8-inch ductile iron. The final hydraulic analysis will indicate if the 6-inch can provide adequate fire flow. Fire flows typically require 8-inch pipe, however for short stretches of pipe, a 6-inch pipe may be sufficient. This alternative can reduce costs and provide the added benefits of reducing water age.

Final alignment within private easement or public right-of-way will include considerations of geotechnical and constructability issues. Placement of mains in unstable slopes or in property easements that cannot be acquired will be avoided. A geotechnical investigation will be performed along with conditions required from the following entities before establishing the final alignment:

- Kentucky Department of Transportation
- Kenton County Public Works
- Kentucky Division of Water- Floodplain Management (stream crossing)
- CSX Corporation (val map along Rouse Road in Appendix B)
- Private property owners

Property easements will be indentified and acquired prior to advertising for construction bids. Required right-of-way permits will be obtained also prior to bidding.

### ***Design Criteria***

In designing the water main extensions, Ten States' Standards will be utilized to ensure Kentucky Division of Water (DOW) Approval. Among the key design features that must be met are as follows:

- Minimum pressure of 20 psi under all flow conditions, normal working pressure above 35 psi
- Dead ends equipped to provide adequate flushing
- Minimum flushing velocity in all water mains at 2.5 feet per second
- Air relief valves at high points

Variances from the Ten States' Standards are not planned. However, these would have to be addressed to DOW by letter stating the reasoning for the variances.

## Cost Estimate

A cost estimate is shown in Table 3.

**Table 3**  
**Preliminary Cost Estimate**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Approx. Qty.</b>	<b>Unit Price</b>	<b>Total Item Amount</b>
1	Mobilization/General Conditions	LS	1	\$25,000	\$25,000
2	Connect to Existing watermain	EA	2	\$1,200	\$2,400
3	8-inch Ductile Iron Pipe	LF	35,600	\$65	\$2,314,000
4	8-inch Gate Valve & Box	EA	30	\$1,100	\$33,000
5	16-inch Steel Casing Pipe, Bored	LF	300	\$400	\$120,000
6	16-inch Steel Casing Pipe, Open Cut	LF	150	\$150	\$22,500
7	Stream Crossing	LF	200	\$30	\$6,000
8	Fire Hydrant Assembly	EA	36	\$3,000	\$108,000
9	Demobilization	LS	1	\$50,000	\$50,000
10	Miscellaneous Construction (10%)	LS	1	\$248,000	\$248,000
	<b>Estimated Construction Total</b>				<b>\$2,928,900</b>

## Proposed Project

\* 92/04?

The side of the road and private or public access will be decided during final design based on the willingness of property owners to sign easements and location of existing utility lines and similar features. The alternatives for some of the hydraulic loop connections will also be decided during final design. While there are benefits to some of the connections, private easement acquisition will need to be investigated to determine whether some of the connections are feasible. The PVC alternative will not likely be chosen due to the relatively small cost savings versus the ductile iron pipe familiarity by NKWD staff and additional security provided with the stronger pipe, however an alternative price may be received during the bidding phase.

The estimated construction cost for the proposed project is \$2,928,900. The total project cost is presented in Table 4.

**Table 4**  
***Preliminary Project Budget***

<i>Item</i>	<i>Budget Amount</i>
Construction	\$2,928,900
Legal/Admin	\$10,000
Land, Easements	\$20,000
Planning/Environmental	\$10,000
Engineering / CA	\$78,600
Inspection	\$3,500
Geotechnical	\$21,000
Interest During Construction	\$35,000
Contingency (10%)	\$292,336
<b>Total Project Budget</b>	<b>\$3,399,336</b>

The anticipated funding source is a USDA – Rural Development loan. The project will be advertised for bids after all funding is secured and all regulatory approvals and the necessary easements have been obtained. Construction is expected to begin in the summer of 2013.

***Project Financing***

The proposed financing for the project is shown in Table 5. The need for a rate increase will be investigated during the preparation of the summary addendum.

**Table 5**  
***Project Funding***

<i>Agency</i>	<i>Amount</i>
CDBG Grant	\$1,000,000
Local Funds	\$50,000
Tapping Fees	\$16,500
USDA – Rural Development (Grant/Loan)	\$2,332,836
<b>Total Project Cost</b>	<b>\$3,399,336</b>

***Financial Capacity/Rate Impact***

The impact of the proposed project on the utility and the customers is related to the following:

- Debt service incurred on the water main extensions
- Additional revenue from new customers

Due to the location of the water main extensions, flow can be provided to the area via gravity flow, therefore no additional operational expenses will be incurred due to pumping. The operating revenues/expenses from the most recent audited data is available in Table 6.

**Table 6**  
**2011 Operating Revenues/Expenses**

<i>Item</i>	<i>2011 Amount</i>
<b>2011 Revenues</b>	
Metered Water Sales	\$41,471,360
Fire Protection Revenue	\$30,695
Wholesale Revenue	\$1,324,677
Other Water Revenues	\$1,644,323
<b>Total Water Operating Revenue</b>	<b>\$44,471,055</b>
<b>2011 Operating Expenses</b>	
Salaries and Wages - Employees	\$7,814,529
Salaries and Wages - Officers	\$36,000
Employee Pensions/Benefits	\$3,702,231
Purchased Power	\$2,229,275
Fuel	\$106,281
Chemicals	\$1,859,499
Materials and Supplies	\$1,764,422
Contractual Services - Engineering	\$23,125
Contractual Services - Legal	\$120,906
Contractual Services - Management Fees	\$76,834
Contractual Services - Water Testing	\$2,845,085
Rental of Equipment	\$6,374
Transportation Expenses	\$612,541
Insurance - Vehicle	\$32,754
Insurance - General Liability	\$330,833
Insurance - Workers' Comp.	\$68,546
Insurance - Other	\$109,520
Advertising Expenses	\$15,913
Other	\$105,600
Bad Debt	\$506,851
Miscellaneous Expenses	\$71,055
<b>Total Operating Expenses</b>	<b>\$22,438,174</b>

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Based on the requested USDA – Rural Development loan amount of \$2,379,535 (assuming 30 percent grant and 70 percent loan), the annual debt service will be approximately \$105,800 (based on a 3.0 percent loan with a 38 year term). After adding a 10 percent coverage factor, the total annual revenue requirement associated with the project is approximately \$116,380. NKWD has typically assessed a surcharge to individual areas to recover the project cost for extending service. The surcharge revenue will need to recover the additional annual debt service related to the proposed project over the entire life of the project.





April 15, 2014

Mr. John Scheben  
Engineering Supervisor  
Northern Kentucky Water District  
2835 Crescent Springs Road  
Erlanger, KY 41018

RE: Recommendation of Award  
Kenton County Unserved Project (2012) – Sub District M  
Northern Kentucky Water District

Dear John,

As you are aware, bids were received for the referenced project on Monday, April 14, 2014. Northern Kentucky Water District (NKWD) received six bids from contractors interested in performing the work. All the bidders that submitted are regularly engaged in this type of municipal utility construction work and all were considered to be generally suitable for performing the project. The bidders and their bid amounts to perform the work are provided below with additional details shown on the attached bid tabulations.

<b>Firm</b>	<b>Bid Amount</b>
Smith & Brown	\$ 1,989,522.00
Howell Contractors	\$ 2,276,041.00
Brackney	\$ 2,335,246.00
Lonkard Construction	\$ 2,352,390.50
Hartman & Smith	\$ 2,374,564.50
Larry Smith	\$ 2,612,011.80

HDR has reviewed all the bids submitted and have found no mathematical errors nor material deficiencies in the information provided. The published engineer's estimate for the construction project was \$2,600,000. As you can see, bids were very competitive. Five of the six bids were below the estimate and were within 19%. Notably, the low bidder was substantially (15%) below the next group of bidders which caused some concern. We contacted Smith & Brown to discuss their bid on an item by item basis. They indicated they were generally comfortable on each amount and the results simply are a reflection of a motivated bidder. Based on this discussion, HDR can find no reason to reject their bid.

HDR is aware that Smith & Brown NKWD has previously has worked with NKWD on distribution system projects. Our understanding is that their work has been acceptable and that



they have demonstrated the capability of performing work of this nature and size. We have also reviewed the list of vendors and subcontractors that Smith and Brown have proposed and find no objections.

Based on this information, HDR finds no reason that Smith and Brown should not be awarded the contract for the construction of the Kenton County Unserved Project (2012) SubDistrict M and recommends award of the same. If you have any questions regarding this matter, please call me at (859) 223-3755.

Kindest regards,

A handwritten signature in black ink, appearing to read 'B. Tippey'.

Brent A. Tippey, P.E.  
Vice President

Attachment



STEVEN L. BESHEAR  
GOVERNOR

DEPARTMENT FOR LOCAL GOVERNMENT  
OFFICE OF THE GOVERNOR  
1024 CAPITAL CENTER DRIVE, SUITE 340  
FRANKFORT, KENTUCKY 40601-8204  
PHONE (502) 573-2382 FAX (502) 573-2939  
TOLL FREE (800) 346-5606  
WWW.DLG.KY.GOV

TONY WILDER  
COMMISSIONER

August 30, 2012

Ms. Shannon Ratterman  
North Kentucky ADD  
22 Spiral Drive  
Florence, KY 41042

**RE:** NKWD - Kenton County Unserved Project 2012  
WX21117211  
SAI# KY20120802-0939  
CFDA# 10.770,14.218

Dear Ms. Ratterman:

The Kentucky State Clearinghouse, which has been officially designated as the Commonwealth's Single Point of Contact (SPOC) pursuant to Presidential Executive Order 12372, has completed its evaluation of your proposal. The clearinghouse review of this proposal indicates there are no identifiable conflicts with any state or local plan, goal, or objective. Therefore, the State Clearinghouse recommends this project be approved for assistance by the cognizant federal agency.

Although the primary function of the State Single Point of Contact is to coordinate the state and local evaluation of your proposal, the Kentucky State Clearinghouse also utilizes this process to apprise the applicant of statutory and regulatory requirements or other types of information which could prove to be useful in the event the project is approved for assistance. Information of this nature, if any, concerning this particular proposal will be attached to this correspondence.

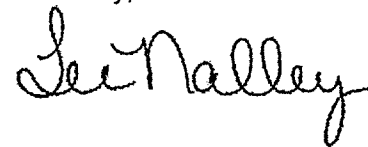
You should now continue with the application process prescribed by the appropriate funding agency. This process may include a detailed review by state agencies that have authority over specific types of projects.

This letter signifies only that the project has been processed through the State Single Point of Contact. It is neither a commitment of funds from this agency or any other state or federal agency.

**The results of this review are valid for one year from the date of this letter.**  
Continuation or renewal applications must be submitted to the State Clearinghouse annually. An application not submitted to the funding agency, or not approved within one year after completion of this review, must be re-submitted to receive a valid intergovernmental review.

If you have any questions regarding this letter, please feel free to contact my office at 502-573-2382.

Sincerely,

A handwritten signature in black ink that reads "Lee Nalley". The signature is written in a cursive style with a large, prominent initial "L".

Lee Nalley  
Kentucky State Clearinghouse

Attachments

The KY Dept. of Transportation has made the following advisory comment pertaining to State Application Identifier Number KY201208020939

Witt (D6), Thomas: no comments

The Labor Cabinet has made the following advisory comment pertaining to State Application Identifier Number KY201208020939

**PW RATES MAY APPLY TO PROJECTS EXCEEDING \$250K. CONTACT KY LABOR CABINET AT 502 564 3534**

The Heritage Council has made the following advisory comment pertaining to State Application Identifier Number KY201208020939

The applicant must ensure compliance with relevant state and federal regulations regarding cultural resources. These may include any or all of the following: the Advisory Council on Historic Preservation's Rules and Regulations for the Protection of Historic and Cultural Properties (36CFR, Part 800) pursuant to the National Historic Preservation Act of 1966; the National Environmental Policy Act of 1969; Executive Order 11593; Kentucky Antiquities Act (KRS 164.705-164.735, KRS 164.990); Kentucky Cave Protection Act (KRS 433.871-433.885); and graves protection legislation (KRS 525.105, KRS 525.110, KRS 525.115, KRS 525.120, KRS 72.020, and 901 KAR 5:090).

The lines and infrastructure within existing state right-of-ways or utility easements do not require an archaeological survey; however, the lines and infrastructure outside of the right of way and easements must be surveyed by a professional archaeologist to determine if sites eligible for listing in the National Register of Historic Places will be affected by the undertaking. A report documenting the results of this investigation must be submitted to the State Historic Preservation Officer (SHPO) for review, comment and approval. Where a given project area or portions thereof have been disturbed by prior construction, the applicant may file documentation of that disturbance with the SHPO and may request an opinion concerning the need of an archaeological survey. Note that agricultural activity, such as plowing, is not sufficient disturbance to preclude the need for an archaeological survey.

Pending our review of the requested documentation, there may be a need for additional consultation with our office to determine how to avoid, minimize, or mitigate any adverse effects to significant cultural resources. Should the project plans change, or should additional information become available regarding cultural resources or citizens' concerns regarding impacts to cultural resources, please submit that information to our office as additional consultation may be warranted. In the event that human remains are encountered during project activities, all work should be immediately stopped in the area and the area cordoned off, and in accordance with KRS 72.020 the county coroner and local law enforcement must be contacted immediately. Upon confirmation that the human remains are not of forensic interest, the unanticipated discovery must be reported to the Kentucky Heritage Council and the Kentucky Office of State Archaeology in the Anthropology Department at the University of Kentucky. If you have any questions, please contact Philip Mink at the Kentucky Heritage Council (State Historic Preservation Office) at (502)564.7005, ext. 140, or at Philip.Mink@ky.gov.

The KY State Fish & Wildlife has made the following advisory comment pertaining to State Application Identifier Number KY201208020939  
no comments

The Natural Resources has made the following advisory comment pertaining to State Application Identifier Number KY201208020939

Kentucky Division for Air Quality Regulation 401 KAR 63:010 Fugitive Emissions states that no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored without taking reasonable precaution to prevent particulate matter from becoming airborne. Additional requirements include the covering of open bodied trucks, operating outside the work area transporting materials likely to become airborne, and that no one shall allow earth or other material being transported by truck or earth moving equipment to be deposited onto a paved street or roadway. Please note the Fugitive Emissions Fact Sheet located at <http://air.ky.gov/Pages/OpenBurning.aspx>

Kentucky Division for Air Quality Regulation 401 KAR 63:005 states that open burning is prohibited. Open Burning is defined as the burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or chimney. However, open burning may be utilized for the expressed purposes listed on the Open Burning Brochure located at <http://air.ky.gov/Pages/OpenBurning.aspx>

The Division would like to offer the following suggestions on how this project can help us stay in compliance with the NAAQS. More importantly, these strategies are beneficial to the health of citizens of Kentucky.

Utilize alternatively fueled equipment.

Utilize other emission controls that are applicable to your equipment.

Reduce idling time on equipment.

The Division also suggests an investigation into compliance with applicable local government regulations.

Comments by: John Gowins, DAQ 564-3999

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water lines and appurtenances. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY201208020939) when submitting plans and specifications.

This project is okay for water withdrawal permitting; however, the mapping shows the following roads James Drive, Bird Road, Wright Road and Graven Road mapped with both project numbers WX21117211 (the project number associated with this review KY201208020939) and WX21117303. These roads are not listed in the project profiles for either of the WX numbers. Therefore the project can not be reviewed for definite requirements or recommendations from the Floodplain Section. If any portions of line extensions or other appurtenant structures funded by this project KY201208020939 are proposed to be constructed in the floodplain, then a 'stream construction permit application' will need to be submitted to the Division of Water for further review of each impacted area. Water management planning should have the mapping correspond with the project profile. Julia Harrod, Watershed Management Branch, (502) 564-3410, [Julia.Harrod@ky.gov](mailto:Julia.Harrod@ky.gov).

The District has completed a preliminary engineering report that includes the project cost estimates. The Northern Kentucky Water District is seeking \$1,000,000 of Community Development Block Grant funding and will provide a match for the remaining \$2,348,336 necessary to complete the project. The District is committing these funds through Bond Anticipation Notes, Rural Development grants, and other local funding sources. Design will commence upon receiving the Community Development Block Grant funding. The unserved portion of this project includes 6.74 miles of waterline extension to serve 135 households at a project cost of \$3,348,336. The average number of households served per mile for this project is 20.03 per mile. 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. The following streets are part of this project: Lakeview Drive, Little Cruises Creek, Rich Road, Fontanna, KY 177, Rouse Road, and Camp Road.

The Northern KY Water District has 3 plants producing water from 26-51% of their capacity. There is plenty of capacity to expand their customer base. Jennifer Spradlin, Water Infrastructure Branch, (502) 564-3410, [jennifer.spradlin@ky.gov](mailto:jennifer.spradlin@ky.gov).

Best management practices shall be utilized to reduce runoff from the project into adjacent surface waters. John Brumley, Water Quality Branch, (502) 564-3410, [John.Brumley@ky.gov](mailto:John.Brumley@ky.gov).

The Division of Enforcement does not object to the project proposed by the applicant. Tim Harrod, Division of Enforcement, (502) 564-2150, [Timothy.Harrod@ky.gov](mailto:Timothy.Harrod@ky.gov).

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Kentucky Division of Water supports the goals of EPA's Sustainable Infrastructure Initiative. This Initiative seeks to promote sustainable practices that will help to reduce the potential gap between funding needs and spending at the local and national level. The Sustainable Infrastructure Initiative will guide our efforts in changing how Kentucky views, values, manages, and invests in its water infrastructure. This website, [www.epa.gov/waterinfrastructure/](http://www.epa.gov/waterinfrastructure/), contains information that will help you ensure your facility and operations are consistent

The Northern Kentucky ADD has made the following advisory comment pertaining to State Application Identifier Number KY201208020939  
no comments

The Housing, Building, Construction has made the following advisory comment pertaining to State Application Identifier Number KY201208020939  
No comment

The Kentucky Housing Corporation has made the following advisory comment pertaining to State Application Identifier Number KY201208020939  
No comments.

**NOTICE OF FUTURE WATER SERVICE AND SURCHARGE**

Northern Kentucky Water District will seek approval of the Public Service Commission of Kentucky to furnish potable water service to Sub-District M Water Main Extension Project. This project is located in the rural area in Kenton County which includes the following streets or portions thereof:

Sub-District M –

1.	Little Cruises Creek ( KY 17 to Rich Road)
2.	Rich Road (Little Cruises Creek to Rouse Road)
3.	Fontana (off KY 17)
4.	KY 177 (#14669 near bridge – south to #15112)
5.	Rich/Camp/Harbil/Rouse Roads (water main to limited area)
6.	Lakeview Drive (off Taylor Mill Road, south of Harris Pike)

Total construction costs for this project will be approximately \$3,399,500.00. The proposed consumer rates will be:

**PRELIMINARY NORTHERN KENTUCKY WATER DISTRICT  
MONTHLY WATER RATES FOR PROPOSED  
SUB-DISTRICT M  
WATER MAIN EXTENSION PROJECT**

**ESTIMATED MONTHLY SURCHARGE OF \$30.00  
SHALL BE ADDED TO THE MINIMUM MONTHLY BILL**

**SECTION II – RETAIL WATER RATES**

Monthly Service Rate

First 1,500 cubic feet used per month	\$4.25 per 100 cubic feet
Next 163,500 cubic feet used per month	\$3.53 per 100 cubic feet
Next 165,500 cubic feet used per month	\$2.72 per 100 cubic feet

Fixed Monthly Service Charge

Meter Size	Monthly Service Charge	Meter Size	Monthly Service Charge
5/8"	\$14.20	3"	\$54.90
3/4"	\$14.60	4"	\$68.80
1"	\$16.00	6"	\$101.90
1-1/2"	\$18.00	8"	\$137.60
2"	\$22.70	10" & larger	\$183.00



Sample Monthly Bill Amount for a 5/8" meter is as follows:

Estimated Monthly Usage of 2,000 Gallons	Estimated Monthly Bill = \$55.56
Estimated Monthly Usage of 3,000 Gallons	Estimated Monthly Bill = \$61.25
Estimated Monthly Usage of 4,000 Gallons	Estimated Monthly Bill = \$66.93
Estimated Monthly Usage of 5,000 Gallons	Estimated Monthly Bill = \$72.61
Estimated Monthly Usage of 6,000 Gallons	Estimated Monthly Bill = \$78.29

Note: Actual bill will vary according to actual measured usage

Note: The estimated monthly bill includes the \$30.00 surcharge amount.

The proposed surcharge may be changed by the Ky. Public Service Commission and may be higher or lower than proposed.

Any corporation, association, body politic or person may by timely motion, within 30 days of the initial notice, request intervention in the case. The motion must be submitted in writing to the Public Service Commission, 211 Sower Blvd., Box 615 Frankfort, KY 40602 and should state the grounds for the request, including the interest and status of the party. Intervention may be granted beyond 30 days for good cause. Customers may obtain without cost a copy of the Application and any testimony filed by contacting Northern Kentucky Water District at the address below, or at the District web site [www.nkywater.org](http://www.nkywater.org). Any person may obtain a copy of the Application or examine the application and supporting documents at the District's web site, or at the Public Service Commission web site [www.psc.ky.gov](http://www.psc.ky.gov). A copy of the Application and testimony is available for public review and examination at the district's office or the Public Service Commission office. Written comments regarding the proposed rates may be submitted to the Public Service Commission by mail or through the Public Service Commission's website listed below.

For further information contact the PSC of Kentucky at  
PO Box 615  
Frankfort, KY 40602  
Tel: (502) 564 3940  
[www.psc.ky.gov](http://www.psc.ky.gov)

Or contact the undersigned.

Northern Kentucky Water District  
2835 Crescent Springs Road  
PO Box 18640  
Erlanger, KY 41018  
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NORTHERN KENTUCKY WATER DISTRICT-  
KENTON COUNTY  
UNSERVED WATER PROJECT 2012  
**WX21117211**

Prices Based on 1,000 Foot Fire Hydrant Spacing

	STREET	DISTANCE MILES	TOTAL AVAIL. CUST.	50% CUST. SIGN	CUST. PER/MI	Weighted Cust/mile	ENG. Const. Est.
1	Little Cruises Creek Road (KY 17 to Rich Road)	2.60	35	18	13.46	20.03	
2	Rich Road (Little Cruises Creek to Rouse Road)	1.60	32	16	20.00	20.03	
3	Fontanna (off KY 177)	0.60	18	9	30.00	20.03	
4	KY 177 (#14669 near bridge - south to #15112)	1.66	33	17	19.88	20.03	
5	Rich/Camp/Harbil/Rouse Roads (water main to limited area)	0.18	15	8	83.33	20.03	
6	Lakeview Drive (Off Taylor Mill Road, south of Harris Pike)	0.10	2	1	20.00	20.00	
		6.74	135	67.5	<b>20.03</b>		\$1,989,522

**Cost Estimate:**

1	Construction Bid				\$1,989,522
2	Tap-Ons (68*\$750)				\$51,000
3	Engineering				\$99,476
4	Grant Consultant				\$50,000
5	Legal				\$5,000
6	Contingencies				\$1,204,502
				Total	<u>\$3,399,500</u>

**Source of Funds:**

1	CDBG Funding (Kenton County Fiscal Court)				\$1,000,000
2	RD Grant plus Loan Funding (Northern Kentucky Water District \$2,333,000)				
	RD Grant 25.72%				\$600,000
	RD Loan 74.28% (\$1,386,657 NKWD, \$346,343 Surcharge)				\$1,733,000
3	Tap-On Fee				\$16,500
4	Kenton County Fiscal Court-LMI Tap-Ons				\$34,500
5	Kenton County Fiscal Court-General				\$15,500
				Total	<u>\$3,399,500</u>

RD Loan - NKWD Rate Case	\$1,386,657
Surcharge @ \$5,131/customer (67.5 Est. Customers)	\$346,343
Total RD Loan Amount	\$1,733,000

# NORTHERN KENTUCKY WATER DISTRICT

## Sub-district M Water Main Extension Project

### Kenton County, Kentucky

#### Project 184-750

Certified statement from an authorized utility Official confirming:

- That the proposed plans and specifications for the project have been designed to meet the minimum construction and operating requirements established in 807 KAR5:066, Section 4(3) and (4), Section 5(1), Sections 6 and 7, Sections 8(1) through (3), Section 9(1), and Section 10;
- That all other state approvals or permits have been obtained;
- That the proposed rates, if any, shall produce the total revenue requirements set out in the engineering reports; and
- The dates upon which construction is expected to begin and end.

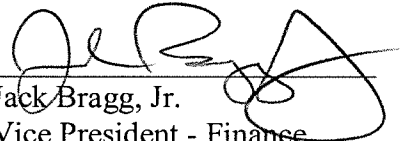
NORTHERN KENTUCKY WATER DISTRICT

Sub-district M Water Main Extension Project


Certification Statement

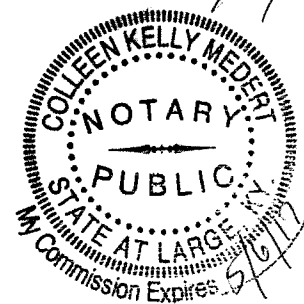
A certified statement from an authorized utility Official confirming:

1. That the proposed plans and specifications for the project have been designed to meet the minimum construction and operating requirements established in 807 KAR5:066, Section 4(3) and (4), Section 5(1), Sections 6 and 7, Sections 8(1) through (3), Section 9(1), and Section 10.
2. That all other state approvals or permits have been obtained.
3. That the proposed rates, if any, shall produce the total revenue requirements set out in the engineering reports; and
4. Construction will begin on August 5, 2014 and end on March 3, 2015.

  
\_\_\_\_\_  
Jack Bragg, Jr.  
Vice President - Finance  
  
4/23/2014  
\_\_\_\_\_  
Date

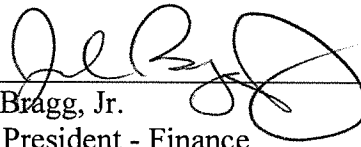
Subscribed and sworn to before me in said County to be his act and deed by  
Jack Bragg, Jr., Vice President of Finance of the Northern Kentucky Water District, this  
23<sup>RD</sup> day of APRIL 2014.

  
\_\_\_\_\_  
NOTARY PUBLIC  
Kenton County, Kentucky  
My commission expires 5/6/17



**AFFIDAVIT**  
**Subdistrict M Water Main Extension Project**

Affiant, Jack Bragg, Jr., being the first duly sworn, deposes and says that he is the Vice President of Finance of the Northern Kentucky Water District, which he is the Applicant in the proceeding styled above; that he has read the foregoing "Subdistrict M Water Main Extension Project" Application and knows the contents thereof, and that the same is true of his own knowledge, except as to matters which are therein stated on information or belief, and that is to those matters he believes them to be true.

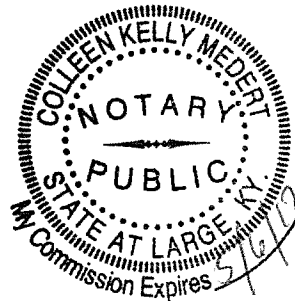


\_\_\_\_\_  
Jack Bragg, Jr.  
Vice President - Finance  
Northern Kentucky Water District

Subscribed and sworn to before me in said County to be his act and deed by  
Jack Bragg, Jr., Vice President of Finance of the Northern Kentucky Water District, this  
23<sup>rd</sup> day of APRIL 2014.



\_\_\_\_\_  
NOTARY PUBLIC  
Kenton County, Kentucky  
My commission expires 5/6/17



Case No. 2014-\_\_\_\_  
Exhibit     E    

# NORTHERN KENTUCKY WATER DISTRICT

Sub-district M Water Main Extension Project

Kenton County, Kentucky

Project 184-750

Copy of Notice to Customers of Rate Tariff

**NOTICE OF FUTURE WATER SERVICE AND SURCHARGE**

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Total construction costs for this project will be approximately \$3,399,500.00. The proposed consumer rates will be:

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MONTHLY WATER RATES FOR PROPOSED  
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Fixed Monthly Service Charge

Meter Size	Monthly Service Charge	Meter Size	Monthly Service Charge
5/8"	\$14.20	3"	\$54.90
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# NORTHERN KENTUCKY WATER DISTRICT

## Sub-district M Water Main Extension Project

Kenton County, Kentucky

Project 184-750

Street Density Table and Map of Area

Kenton County Unserved Street Listing

Sorted by "Weighted Customers Per Mile"

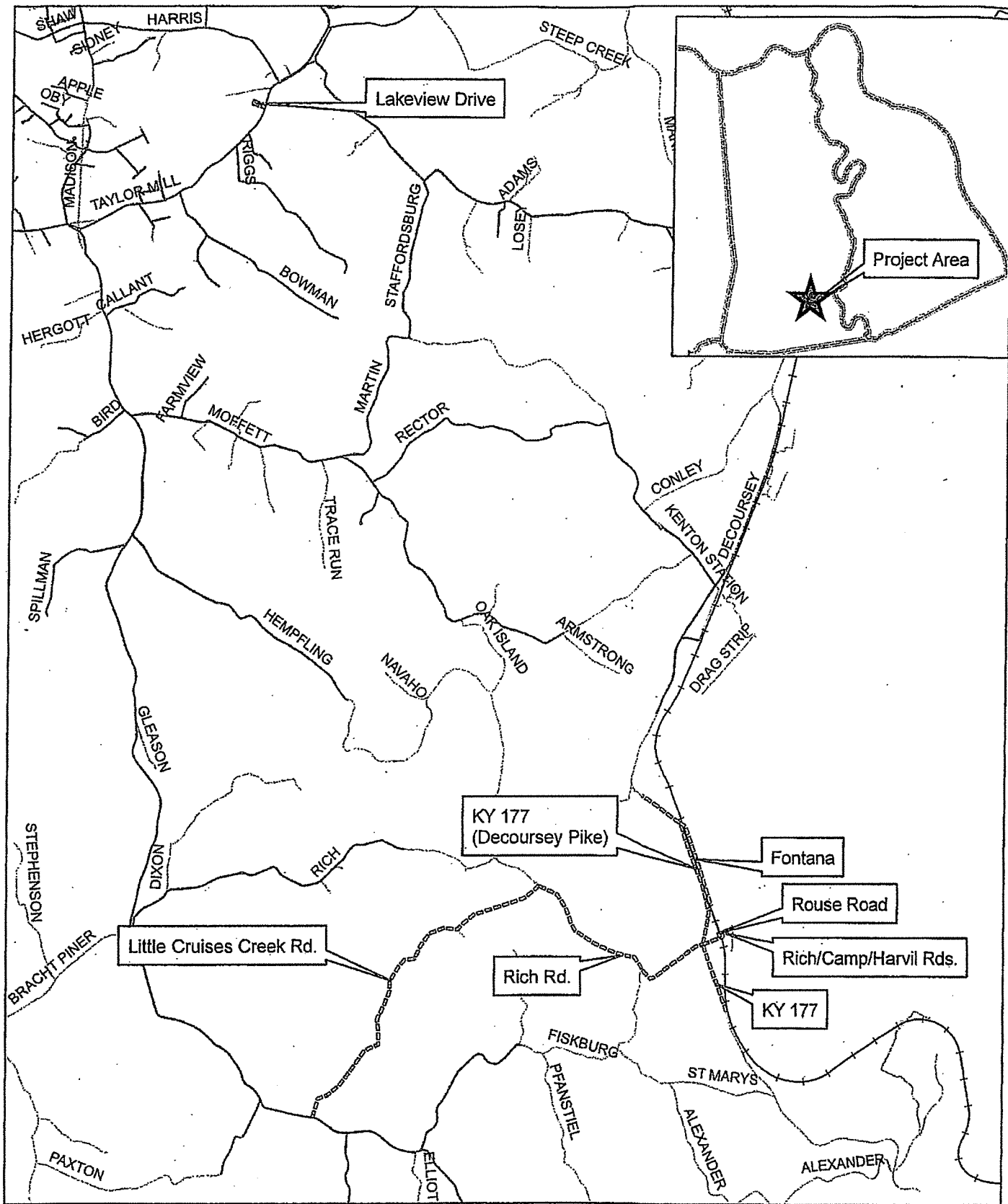
Full Listing

Street	Comment:	House Count	Distance (Miles)	Est. Cost	City	Est \$ Foot Per	Actual Per Mile Customers	Weighted Per Mile Customers	Comment
James Road	North of Moffett	4	0.1	\$ 36,960.00	SKC	70	40.00	40.00	
Webster Road	Richardson Road to D.E.	18	0.7	\$ 289,720.00	Independer	70	25.71	25.71	2009 declined interest in water, houses located on long gravel driveway
Fontanna	KY 177	18	0.6	\$ 221,760.00	SKC	70	30.00	20.03	Letter of interest sent 2009 - no interest - creek crossing Fontanna dependent on Little Cruises, Rich and KY 177
KY 177	KY 14 south to #15112	14	0.4	\$ 147,840.00	SKC	70	35.00	20.03	KY 177 dependent on Little Cruises, Rich and KY 177
KY 177	#14669 at bridge to Rich Road	19	1.26	\$ 465,696.00	SKC	70	15.08	20.03	depends Little Cruises, Rich
Little Cruises Creek Rd	KY 17 to Rich Road	35	2.8	\$ 960,960.00	SKC	70	13.48	20.03	geotech issues
Rich Road	Little Cruises to Fiskburg	15	1	\$ 389,600.00	SKC	70	15.00	20.03	dependent on Little Cruises, Rich
Rich Road	Fiskburg to KY 177 to Rouse	17	0.6	\$ 221,760.00	SKC	70	28.33	20.03	dependent on Little Cruises Creek, Rich Road
Rich/Camp/Harbil/Rouse Roads	End of Rich across RR tracks	15	0.18	\$ 66,528.00	SKC	70	83.33	20.03	dependent on Hempling, Rich Road or Little Cruises Creek
Bird Road	D.E. near Wynewood to end of road	6	0.3	\$ 110,880.00	SKC	70	20.00	20.00	
Northcut Road	Jones Road to D.E.	9	0.45	\$ 166,320.00	SKC	70	20.00	20.00	Depends on Jones Road
Lakeview Drive	Off Taylor Mill Road, South of Harris	2	0.1	\$ 36,960.00	SKC	70	20.00	20.00	first two houses served - could be served with spiderline
Sawgrass Road	Cliff Green Road	2	0.1	\$ 36,960.00	SKC	70	20.00	20.00	
Goshorn Road	Fiskburg to D.E.	15	0.8	\$ 295,680.00	SKC	70	18.75	18.75	repaired 2006
Wright Road/Graven Road	Graven to D.E., End of Sub-C to Wright Rd	7	0.39	\$ 144,144.00	SKC	70	17.95	17.95	depends on graven
Scenic Ridge Drive	Off Pelly Road	5	0.3	\$ 110,880.00	SKC	70	16.67	16.67	#4958 and #4959 are served
Bethel Grove Road	End of Sub E to D.E.	4	0.25	\$ 92,400.00	Visalia	70	16.00	16.00	
Mason Road	From #15379 to Parker Grove	16	1.00	\$ 369,600.00	SKC	70	16.00	16.00	Bullock Pen
Mason Road	hydrant at #460 to Decoursey	3	0.2	\$ 73,920.00	Taylor Mill	70	15.00	15.00	geotech issues
Old Fowler Creek Road	Off KY 17	9	0.2	\$ 73,920.00	Covington	70	15.00	15.00	
Sleep Creek	Marshall to #3382 at bridge	3	0.6	\$ 221,760.00	SKC	70	15.00	15.00	
Ernst Bridge Road	From hydrant at #4262 to #4425 (Ryland CC)	8	0.55	\$ 203,280.00	SKC	70	14.55	14.55	depends on Oak Island, Hempling
Hempling Road	Navaho Road to slide area	20	0.6	\$ 295,680.00	SKC	70	25.00	14.55	depends on Oak Island
Hempling Road	Navaho to Oak Island	10	0.6	\$ 221,760.00	SKC	70	2.50	14.55	Letter of interest sent 2009 - no interest - 14014 is served
Oak Island	Moffett to Hempling	2	0.8	\$ 295,680.00	SKC	70	13.75	13.75	
Trace Run Road	Off of Moffett	11	0.8	\$ 295,680.00	SKC	70	13.75	13.75	#3715 is served
Pruett	Marshall to Petty	6	0.44	\$ 162,624.00	SKC	70	13.64	13.64	14192, 14252, 14291 are served
Glason Road	KY 17 to D.E.	4	0.3	\$ 110,880.00	SKC	70	13.33	13.33	
Locust Lane	KY 17 to D.E.	2	0.15	\$ 55,440.00	SKC	70	13.33	13.33	depends on Sleep Creek or Mann
Mann Road	Sleep Creek to inc. 11606	12	0.8	\$ 295,680.00	SKC	70	15.00	13.33	
Mann Road	Visalia to #1606	8	0.7	\$ 258,720.00	SKC	70	11.43	13.33	
Case Road	Sleep Creek to KY 177	5	0.3	\$ 110,880.00	SKC	70	16.67	13.19	depends on steep creek
Sleep Creek	Ryland City Cbr/KY 177 to #3704 at bridge	14	1.14	\$ 421,344.00	SKC	70	12.28	13.19	From Ryland Country Club (hydrant on KY 177)
Fiskburg Road	Plansiehl to Alexander	7	0.5	\$ 184,800.00	SKC	70	14.00	12.63	depends on Fiskburg Road
Fiskburg Road	Goshorn to Plansiehl Road	1	0.2	\$ 73,920.00	SKC	70	5.00	12.63	depends on Fiskburg Road or Rich
Alexander Road	Fiskburg Road to KY 177	40	3.1	\$ 1,145,760.00	SKC	70	12.90	12.63	depends on Fiskburg Road
Webster Road	South of Independence Station to D.E.	5	0.4	\$ 147,840.00	Independer	70	12.50	12.50	
Webster Road	KY 177 to #3953	7	0.3	\$ 110,880.00	SKC	70	23.33	12.31	depends on conley road
Conley Road	Kenton Station to #3953	9	1	\$ 369,600.00	SKC	70	9.00	12.31	
River Road (Route 8)	Chevron to #486 (towards Bromley)	11	0.9	\$ 332,640.00	SKC	70	12.22	12.22	Chevron is served
Gene Street	Off Walton Nicholson Road	3	0.25	\$ 92,400.00	SKC	70	12.00	12.00	#12035 is served
Fowler Creek Road	Off Madison to new Madison connector road	14	1.2	\$ 443,520.00	Independer	70	11.67	11.67	geotech issues
Wright Road	Banklick to Graven	14	1.2	\$ 443,520.00	SKC	70	11.67	11.67	
Rich Road	End of Sub C to Hempling	8	0.7	\$ 258,720.00	SKC	70	11.43	11.43	
KY 177	End of Sub E, past Conley to 13361	17	1.5	\$ 554,400.00	Visalia	70	11.33	11.33	
Paxton Road	End of Sub C #1773 to #1756	11	1	\$ 78,070.00	SKC	70	11.00	11.00	
Plansiehl Road	Fiskburg to D.E.	15	1.4	\$ 517,440.00	SKC	70	10.71	10.71	depends on Fiskburg Road
Elliot Road	KY 17 to D.E.	16	1.5	\$ 554,400.00	SKC	70	10.67	10.67	
Grassy Creek Road	Gardnersville to D.E.	17	1.1	\$ 123,210.00	SKC	70	15.45	10.38	
Anderson Road	Gardnersville to D.E.	7	0.9	\$ 105,891.00	SKC	70	7.76	10.38	
Moffett Road	George W. Bach (Armstrong) to #3628	3	0.3	\$ 110,880.00	SKC	70	10.00	10.00	owned by city of covington
Worthington Drive	Off KY 17, South of Hands Pike	2	0.2	\$ 73,920.00	Covington	70	10.00	10.00	
Forest View Lane	Last hydrant on Cleveland Ave to D.E.	3	0.3	\$ 110,880.00	Taylor Mill	70	10.00	10.00	
Fuchs Road	Garvey Avenue to D.E.	1	0.1	\$ 36,960.00	Elsmere	70	10.00	10.00	rr tracks
Hempling Road	Sub C D.E. to slide area #2713	7	0.7	\$ 258,720.00	SKC	70	10.00	10.00	
Independence Station Rd	Justice to RR Tracks	3	0.3	\$ 110,880.00	Independer	70	10.00	10.00	

Location	Count	Cost	Notes	Value	Notes	Value	Notes	Value	Notes
McHugh Lane	3	0.3	Off Independence Station Road	110,880.00	Independen	70	10,00	0	depends on Independence Station Road trailer can be served from decoy
Ishmael	1	0.1	End of existing hydrant to #14072	36,960.00	SKC	70	10,00	0	
Kensington Road	2	0.2	Off Green Road	73,920.00	SKC	70	10,00	0	
Kenton Station Road	18	1.8	Marlin to Recto	665,280.00	SKC	70	10,00	0	
Wayman Branch	5	0.5	Between old T.M. system and NKWD system	184,800.00	Taylor Mill	70	10,00	0	#2750, 2880, 2900, 3010, 3020 not served
Webster Road	2	0.2	North of Independence Station	73,920.00	Independen	70	10,00	0	#621 is served
Webster Road	9	0.9	From KY177 go North 0.77 miles(south end)	284,592.00	SKC	70	9,09	0	
Vaes's Trail	9	0.9	KY 177 to D.E.	369,600.00	SKC	70	9,00	0	depends Fiskburg and Alexander Road
Alexander Road	9	0.9	#3382 at bridge to #3709 at bridge	369,600.00	SKC	70	9,00	0	depends on Sleep Creek from either direction
Sleep Creek	9	0.9	Alexander to KY 177	295,680.00	SKC	70	8,75	0	depends on Fiskburg Road and Alexander Road
Saint Marys Road	6	0.7	US 25 to I-7175	258,720.00	SKC	70	8,57	0	depends on Hempling/Oak Island
Eads Road	11	1.3	Oak Island to Rich	480,480.00	SKC	70	8,46	0	depends on Fiskburg and Alexander Roads
Hempling Road	11	1.3	St. Mary Rd to Alexander Road	480,480.00	SKC	70	8,46	0	
KY 177	3	0.4	Off Morfitt to D.E.	147,840.00	SKC	70	7,50	0	geotech issues
George W. Bach (Armstrong Road)	3	0.4	Lieberman to D.E.	147,840.00	Covington	70	7,50	0	8924, 8975 not served - could be served by spiderline or interconnect
Lipscomb	3	0.4	Hydrant at #9924 to hydrant at #9028	103,480.00	Ryland Hei	70	7,14	0	
Porter Road	2	0.2	#14443 south of Kenton Station to bridge	221,760.00	SKC	70	6,67	0	
KY 177	4	0.6	KY 177 to D.E.	221,760.00	SKC	70	6,67	0	depends on Ky 177
Washboard Road	3	0.4	KY 177 to D.E.	147,840.00	SKC	70	6,57	0	geotech issues
Marshall Road	1	0.15	Kettle to #9440	55,440.00	Covington	70	7,00	0	
Lamb's Ferry Road	12	1.8	Whites Road to Whites Road	665,280.00	Ryland Hei	70	6,67	0	
Montague Road (Route 6)	2	0.33	Fire Hydrant to #1770	121,968.00	Covington	70	6,06	0	Chevron is served
Decoursey	11	1.9	Amsterdam to Chevron	702,240.00	Villa Hills	70	5,79	0	
Madison Pike	4	0.7	I-275 to hydrant at #7900	288,720.00	Fairview	70	5,71	0	
Lucust Pike/Lawnmower Road	4	0.7	Old Richardson Road to Far Hills	288,720.00	Independen	70	5,71	0	
Erianger Road	14	2.5	Felser Road to # 9694	924,000.00	Ryland Hei	70	5,60	0	#9014 is served
Fiskburg Road	2	0.4	Turfway to dead end	147,840.00	Erianger	70	5,00	0	depends on Fiskburg Road or Rich Road
Key West Road	3	0.6	Alexander to Rich Road	221,760.00	SKC	70	5,00	0	dependent on Little Cruises Creek/Rich Road
Decoursey	1	0.2	KY 177 to Rich	73,920.00	SKC	70	5,00	0	Bullock Pen
Navaho Road	1	0.2	US 25 to D.E. (Bullock Pen)	73,920.00	SKC	70	5,00	0	
Campbell Drive	3	0.7	Marshall to end of Sub-R	258,720.00	Ryland Hei	70	4,29	0	depends on Hempling/Oak Island
Fowler Creek Road	1	0.3	Hempling to D.E.	110,880.00	SKC	70	3,33	0	
Wehrman Road	2	0.6	New Madison connector road to Pelly	221,760.00	Covington	70	3,33	0	
KY 177	1	0.3	KY 16 to D.E.	110,880.00	Independen	70	3,33	0	
Carler Chappel Road	4	1.4	Ryland Lakes C.C. to #11282	517,440.00	SKC	70	2,86	0	
Eubanks Road	1	0.4	Erianger-Crs Spgs. Road to D.E.	61,833.00	SKC	70	2,50	0	Bullock Pen
Rich Road	1	0.4	Hempling to Little Cruises	147,840.00	SKC	70	2,50	0	multiple spider lines, #774 not served
Stephens Drive	1	0.4	Don Victor to Oliver	147,840.00	Independen	70	2,50	0	dependent on Hempling, Rich Road or Little Cruises Creek
Marshall Road	2	0.8	Coleman to Stewart	285,680.00	Ryland Hei	70	2,50	0	
Fowler Creek Road	1	0.5	Cox to Stephens	184,800.00	Ryland Hei	70	2,00	0	multiple spider lines, #5420 and 5494 unserved
Decoursey	1	0.6	Grand to I-275	221,760.00	Covington	70	1,67	0	
Gripshover	1	0.6	Kenton Station to #3628	221,760.00	Covington	70	1,67	0	Bullock Pen
Moffett Road	1	0.7	12" CC to Sanitation Plant Entrance	258,720.00	SKC	70	1,43	0	
Amsterdam Road	0	0.65	Rhine Valley to Thomas More Parkway	240,240.00	SKC	70	0,00	0	
Horsebranch	0	0.35	#1068 to End of Sub C	129,360.00	Crestview I	70	0,00	0	future interconnect
Independence Road	0	0.27	#15112 to St. Marys Road	98,792.00	SKC	70	0,00	0	depends on Little Cruises, Rich portion)
KY 177	0	0.8	Alexander Road to Pendleton County Line	295,680.00	SKC	70	0,00	0	
KY 177	0	0.3	#9684 To end of Sub R near Whites	110,880.00	Ryland Hei	70	0,00	0	
Menefee Road	0	0.3	Shady Lane to county line	184,800.00	Ryland Hei	70	0,00	0	Bullock Pen
Narrows Road	0	0.2	Thornree to Nelson (served by spiderline)	56,856.00	SKC	70	0,00	0	
Narrows Road	0	0.2	Richardson to Thornree	73,920.00	Erianger	70	0,00	0	
Shady Lane	0	0.5	Richy Rd to county line	73,920.00	Erianger	70	0,00	0	
Sleepy Hollow Road	0	1	Existing D.E. near #1556 to Ludlow	68,455.00	SKC	70	0,00	0	Bullock Pen
				369,600.00	Covington	70	0,00	0	Lookout Heights Lane

Total 740 73.96 \$ 26,229,762.00

Combined Streets	118	6.46	\$	2,357,616.00	SKC	70	18.27	18.27	Rich Road dependent upon Little Cruises Creek Rd	0
Little Cruises Creek Rd/ Rich Road/Fonianna/KY 177	7	1	\$	369,600.00	SKC	70	7.00	7.00	Washboard dependent upon KY 177	0
KY 177/Washboard Rd	32	2.2	\$	813,120.00	SKC	70	14.55	14.55	Letter of interest sent 2009 for Oak Island - no interest - 14014 is served,	0
Oak Island/Hempfling Rd	14	1.1	\$	192,391.00	SKC	70	12.73	12.73	Hempfling depends on Oak Island	0
Gardnersville/Rogers Road									Bullock Pen	0
<b>Private Roads</b>										
Adams Lane	6	0.5	\$	184,800.00	SKC	70	12.00	12.00		0
Brewster Lane	4	0.3	\$	110,880.00	SKC	70	13.33	13.33		0
Harrisburg Road	5	0.4	\$	147,840.00	SKC	70	12.50	12.50	gravel road	
Hergott Drive	4	0.6	\$	221,760.00	SKC	70	6.67	6.67	residents have Madison addresses	
Holdsbranch	6	0.4	\$	147,840.00	Taylor Mill	70	15.00	15.00	private drive	
James Road	3	0.2	\$	73,920.00	SKC	70	15.00	15.00	house located on private road	
Justice Lane	4	0.3	\$	110,880.00	Independent	70	13.33	13.33	#4915, #4930 is served	
Rosanna Lane	4	0.4	\$	147,840.00	SKC	70	10.00	10.00		0
Sonice View Drive	2	0.2	\$	73,920.00	SKC	70	10.00	10.00		0
Stafford Heights Lane	7	0.2	\$	73,920.00	Independent	70	35.00	35.00	#11047 is served	0
Tamarita Lane	1	0.12	\$	44,352.00	Independent	70	8.33	8.33	#32 not served	



**NKWD - Kenton County Unserved Project 2012  
 (Subdistrict M) - KIA Project WX#21117211  
 Little Crusie Creek, Rich, Fontana, KY 177 (Decoursey Pike),  
 Lakeview Dr., Rouse Road, Harvil Drive, and Camp Drive**