

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF NORTHERN KENTUCKY)
WATER DISTRICT FOR A CERTIFICATE OF)
CONVENIENCE AND NECESSITY FOR THE) CASE NO. 2013-00218
CONSTRUCTION OF SUB DISTRICT H WATER MAIN)
EXTENSIONS PHASE V, FINANCING AND SURCHARGE)

PETITION

Northern Kentucky Water District (Northern), by counsel, petitions the Commission for an order authorizing the construction of various water main extensions, approval of the addition of customers and areas to the previously approved Sub District H, financing of the project and approval of a surcharge for the customers to be served by these extensions, pursuant to KRS 278.020. Northern was granted approval to file this application electronically by letter dated June 11, 2013.

The following information is filed in accordance with the Commission's regulations.

1. The name and address of the applicant is Northern Kentucky Water District, office address is 2835 Crescent Spring Rd., Box 18640, Erlanger, KY 41018-0640, telephone: 859 578 9898. The contact officer is Jack Bragg, Vice President – Finance, jbragg@nkywater.org. The District's website address is: www.nkywater.org. Its principal officers are listed in its current Annual Report, which is filed with the Commission as are its prior years Reports.

2. Northern is a non-profit water district organized under Chapter 74 and has no separate articles of incorporation or by-laws.

3. A description of Northern's water system and its property stated at original cost by accounts is contained in its Annual Report, Exhibit E. All required financial schedules and other data are in that exhibit and Exhibits F and G.

4. Northern serves retail customers in Kenton, Campbell and Boone Counties and sells

water at wholesale to non-affiliated water distribution systems in Pendleton, Boone and Grant Counties.

5. The proposed project is necessary to provide additional service to and to maintain quality water in the affected area of Campbell County. This project is the fifth Phase of the Northern Kentucky Water District's (NKWD) Sub-District H project. Phases I-IV were previously approved in PSC Order 2010-434, dated December 27, 2010. These first four phases were completed under budget and the remaining funds now make it possible for NKWD to extend water to even more Campbell County residents as part of this Phase V. Phases I-IV were completed at a cost of \$3,132,221.80, which now leaves \$1,146,709.60 left over for the completion of Phase V. This portion of the project will involve the construction of approximately 14,038 linear feet of 8-inch and 12-inch ductile iron pipe (DIP) and PVC water mains together with the appurtenances and related work along the following streets: Low Gap Road, Mystic Rose, Washington Trace, Daniels Road and Pond Creek Road in Campbell County, Kentucky.

This phase will make public water available to 53 residencies in rural areas that currently have no access to public water supply. These areas were chosen based on population density. The estimated cost of the total Sub-District H project, including Phase 5 is \$4,278,931.00. All areas included in the project have similar characteristics of rural location, sparse population density, lack of potable water supply and inability to connect to a water distribution system without the extension of these water lines.

The purpose of the sub district is to aggregate sufficient customers to make the extension of facilities to the residents of the affected areas feasible. There are limited areas in Northern's service area that are unserved. Those areas are widely separated and sparsely populated. The estimated 925 households in Campbell County without access to a potable water distribution system are widely dispersed. By combining the proposed streets into the existing sub district H, the District is

able to provide water service to low density areas which helps spread the cost among sufficient customers to make the project financially feasible for the District and affordable to the residents. This is the same methodology the District has used for other sub district projects. The WRIS report filed as part of exhibit I contains a different population number than the one used by Northern. The discrepancy is due to the methodology and census data used by WRIS and the actual house count by street that Northern uses.

The District has always used household density as the primary criterion for the establishment of a sub district. See Exhibit I. In order to maximize the number of customers served with the limited dollars available from all funding sources, the District determines where the highest number of households per mile can be feasibly served. The cost per mile of any extension dictates that the District maximize the number of customers served along each extension. Because of the limited resources available to extend service, the District attempts to get the most value from each dollar spent.

6. The construction is in the public interest and is required to allow Northern to continue to provide adequate service to its customers. The areas included in the sub district H extension are all rural, remote from existing water distribution facilities and have no access to potable water other than cisterns and wells. Given the need to develop financially and technically feasible projects, location of these residents, the distance between the properties, the sparse number of residents in the affected areas and the demand for safe, affordable, piped water supplies, all of the residents of the proposed sub district are in a similar situation as to geographic characteristics, water supply inadequacy, and need for affordable service. These areas were chosen based on population density. All areas included in the project have similar characteristics of rural location, sparse population density, lack of potable water supply and inability to connect to a water distribution system without the extension of these water lines. The funds obtained in a

number of prior sub districts were predicated on the economic status of the affected areas' residents. The funds in this case are not so encumbered. There is no low/moderate income requirement for the financing of this project, therefore, income levels are not a factor in the selection of geographic areas. No customers or areas have been designated a part of this sub district based on income criteria.

7. The project will be financed with funds remaining from the 2010 State of Kentucky Budget in the Infrastructure for Economic Development Fund for Non-coal Producing Counties HB608 in the amount of \$2,950,000.00. Campbell County Fiscal Court has also contributed \$25,000.00 to this project. The remainder of the project cost will be funded by the Northern Kentucky Water District Contribution of \$250,000.00 a hydraulic contribution \$120,089.00, and a customer contribution of \$933,842.00. The customer contribution will be paid back through a maximum monthly surcharge of \$30.00 on the customer's water bill. The total net revenue effect for entire Sub-District H Project (all phases) is \$173,003.60 per year for 308 total potential customers.

The Northern Kentucky Water District's contribution, the hydraulic contribution and the customer surcharge was initially funded through a Bond Anticipation Notice in the year 2011. This project has a total budget of \$4,278,931.00, which includes construction cost, engineering, materials, and contingencies. See Exhibit D. The customer contribution will be paid back through a maximum monthly surcharge of \$30.00 on the customers' water bills. This phase of the project has a total budget \$1,146,709.60, which includes construction cost, engineering, materials, and contingencies. See Exhibits A and D. All project costs will be included in NARUC Account 331-Transmission and Distribution Mains. Bidding for the project was advertised March 21, 2013 and bids were opened on April 30, 2013. The bids will expire on July 29, 2013.

8. Easements are being obtained and finalized for the facilities;

9. This service will not compete with any other utility in the area;

10. Based on these facts, Northern believes that it is in the public interest that this certificate be granted.

11. General rates to Northern's customers are not affected by this project. No adjustment of rates is being requested. If approved, the customers in the areas designated as sub district H would pay the District's tariffed rate, plus \$30.00 per month for water service. This \$30.00 surcharge is the same as is typically applied to the District's other sub districts. Because many of these customers are served by wells or cisterns, the \$30.00 per month surcharge is generally less than the cost of water deliveries per month.

In contrast to the relatively inexpensive cost of water service to customers based on the proposed sub district, there is a very large and often prohibitive cost to those residents if the sub district is not approved. The alternative to extending facilities to these residents by virtue of the sub district financing, is the extension of facilities pursuant to the District's main line extension tariff. That tariff allows the District to initiate the extension of mains, but only if the customer pays for 100 feet of the main extension based on the cost of an eight inch main. The cost each customer in the proposed sub district H would be forced to pay is greater than the cost of the project with the proposed funding sources. That payment would be a lump sum required to be made at the time of application for service. The District believes that such payments are prohibitive for most residents and discourage the extension of potable water service, which has a direct impact on the public health by depriving unserved rural areas of safe, clean, readily accessible potable water. The general rate customers benefit from the revenue generated by the sub district customers and from the lower debt cost that results from grants and government subsidized loans.

12. The following information is provided in response to 807 KAR 5:001 (8):

a. Articles of Incorporation - None, Northern is a statutorily created water district

under KRS Chapter 74.

13. The following information is supplied pursuant to 807 KAR 5:001(9):

- a. Facts relied upon to show that the application is in the public interest: see Exhibits A, B, and C.
- b. No new franchises are required. Copies of permits, including the DOW permit are attached as Exhibit B;
- c. Diagrams of the proposed construction and construction specifications, description of the location, route, description of facilities, manner of construction are all included in the preliminary and final engineering reports attached as Exhibit A.
- d. Maps of the area showing the location of the proposed facilities are in Exhibits A and I.
- e. The construction costs will be funded from several sources as detailed in Exhibits B and D.
- f. Additional operating costs for operation and maintenance are minimal due to the relative size of the project and the type of facilities constructed.
- g. Description the facilities and operation of the system is in Exhibit A. A current hydraulic analysis is included in Exhibit A.

14. The following information is provided as required by 807 KAR 5:001 (11):

- a. A general description of the property is contained in the Annual Report, Exhibit E.
- b. Financing and sources of funds for the project are described in Exhibit D.
- c. All funds are to be used for the construction of the proposed water main extensions as described in Exhibits A and D.
- d. The property to be constructed is described in Exhibits A and D.
- e. The funds are not for refunding or refinancing existing debt.
- f. There are no trust deeds or mortgages.

- g. No property is to be acquired.
- h. No stock has been or will be issued.
- i. All existing bonds are listed in Exhibits F and G.
- j. All existing notes are listed in Exhibits F and G.
- k. All other indebtedness is listed in Exhibits F and G.
- l. No dividends have been paid or accrued.
- m. A balance sheet and income statement are included in Exhibits F and G.

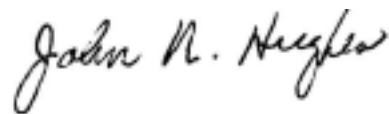
15. Customer notice of the proposed project, proposed tariff and surcharge are attached as Exhibit H.

16. A copy of this petition has been served on the Attorney General.

17. Northern requests that it be granted a deviation under 807 KAR 5:001(21), if necessary to accommodate any situation where inflexible compliance with a regulation would be impracticable, onerous or which would hinder the District's daily operations, including the filing of financial data less than 90 days old. The December 31, 2012 information is representative of the District's current operations.

For these reasons, Northern requests that it be granted an order prior to July 25, 2013 authorizing the expansion and construction of the sub district H facilities, financing as proposed and an imposition of a surcharge on sub district H customers.

SUBMITTED BY:



John N. Hughes
124 W. Todd St.
Frankfort, KY 40601
jnhughes@fewpb.net
Ph: 502 227 7270
Fax: None

ATTORNEY FOR NORTHERN
KENTUCKY WATER DISTRICT

Affidavit of Jack Bragg, Vice President Finance - See Exhibit B

CERTIFICATE OF SERVICE:

I certify that a copy of this Petition was served on the parties listed below by electronic mail the 13 day of June, 2013.

David Spenard
Assistant Attorney General
1024 Capital Center Drive
Frankfort, KY 40601

John N. Hughes

NORTHERN KENTUCKY WATER DISTRICT
Sub-District H Phase 5 Water Main Extension Project

TABLE OF CONTENTS

<u>EXHIBIT</u>	<u>TITLE</u>
A	ENGINEERING REPORTS AND INFORMATION (1) Project map (2) System Hydraulic Model (3) Engineer's opinion of probable total construction cost (4) CMW, Inc. plans titled "Sub-District H Phase 5 – Water Main Extensions" dated June 2012, sealed by a P.E. (5) CMW, Inc. Specifications titled "Sub-District H, Phase 5 - Water Main Extension Project" dated April 2013.
B	Certified statement from an authorized utility Official confirming: (1) Affidavit (2) Franchises (3) Plan review and permit status (4) Easements and Right-Of-Way status (5) Construction dates and proposed date in service (6) Plant retirements
C	BID INFORMATION AND BOARD MEETING MINUTES Bid tabulation, Engineer's recommendation of award, Board Meeting Minutes.
D	PROJECT FINANCE INFORMATION Customers added and revenue effect, Debt issuance and source of debt, Additional costs and operating and maintenance, USoA plant account, Depreciation cost and debt service after construction.
E	PSC ANNUAL REPORT - 2012
F	SCHEDULE OF MORTGAGES, BONDS, NOTES, AND OTHER INDEBTEDNESS
G	CURRENT BALANCE SHEET AND INCOME STATEMENT
H	CUSTOMER NOTICE, RATE SCHEDULE, PROPOSED TARIFF
I	STREET DENSITY TABLE, SUB-DISTRICT MAP AND WRIS PROFILE

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Project Description

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Project Description:

This project is the fifth Phase of the Northern Kentucky Water District's (NKWD) Sub-District H project. Phases I-IV were previously approved in PSC Order 2010-434. The total project budget for Sub-District H, including Phase V, is \$4,278,931.40. Phases I-IV were completed at a cost of \$3,132,221.80, which now leaves \$1,146,709.60 left over for the completion of Phase V.

Phase V will involve the construction of approximately 14,038 linear feet of 8-inch and 12-inch ductile iron pipe (DIP) and PVC water mains together with the appurtenances and related work along the following streets: Low Gap Road, Mystic Rose, Washington Trace, Daniels Road and Pond Creek Road in Campbell County, Kentucky.

Low Gap Road: Approximately 713 feet of 8-inch DIP
Mystic Rose: Approximately 1,660 feet of 8-inch DIP and 1,052 feet of 8-inch PVC
Washington Trace: Approximately 2,262 feet of 8-inch DIP
Daniels Road: Approximately 4,626 feet of 8-inch PVC
Pond Creek Road: Approximately 3,342 feet of 8-inch DIP and 383 feet of 12-inch DIP

This phase will make public water available to 53 residencies in rural areas that currently have no access to public water supply. These areas were chosen based on population density. There is no low/moderate income requirements for the financing of this project, therefore, income levels are not a factor in the selection of geographic areas. All areas included in the project have similar characteristics of rural location, sparse population density, lack of potable water supply and inability to connect to a water distribution system without the extension of these water lines.

Street Name	Total Residents	Total Signups	% Signups
Daniels Road (from Schababerle Hill to address #3185)	18	9	50%
Low Gap Road (from address #954 to #878)	6	3	50%
Mystic Rose (Nine Mile to dead end)	8	5	63%
Pond Creek Road (from Bridge to address #10365)	13	7	54%
Washington Trace (from address #10998 to #11236)	8	4	50%
Totals	53	28	53%

Bidding for the project was advertised March 21, 2013 and bids were opened on April 30, 2013. The bids will expire on July 29, 2013.

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

ENGINEERING REPORTS AND INFORMATION

Project Map

System Hydraulic Model

Engineer's Opinion of Probable Total Construction Cost

Plans prepared by CMW, Inc.
(See Attached)

Specifications prepared by CMW, Inc.
(See Attached)

NORTHERN KENTUCKY WATER DISTRICT

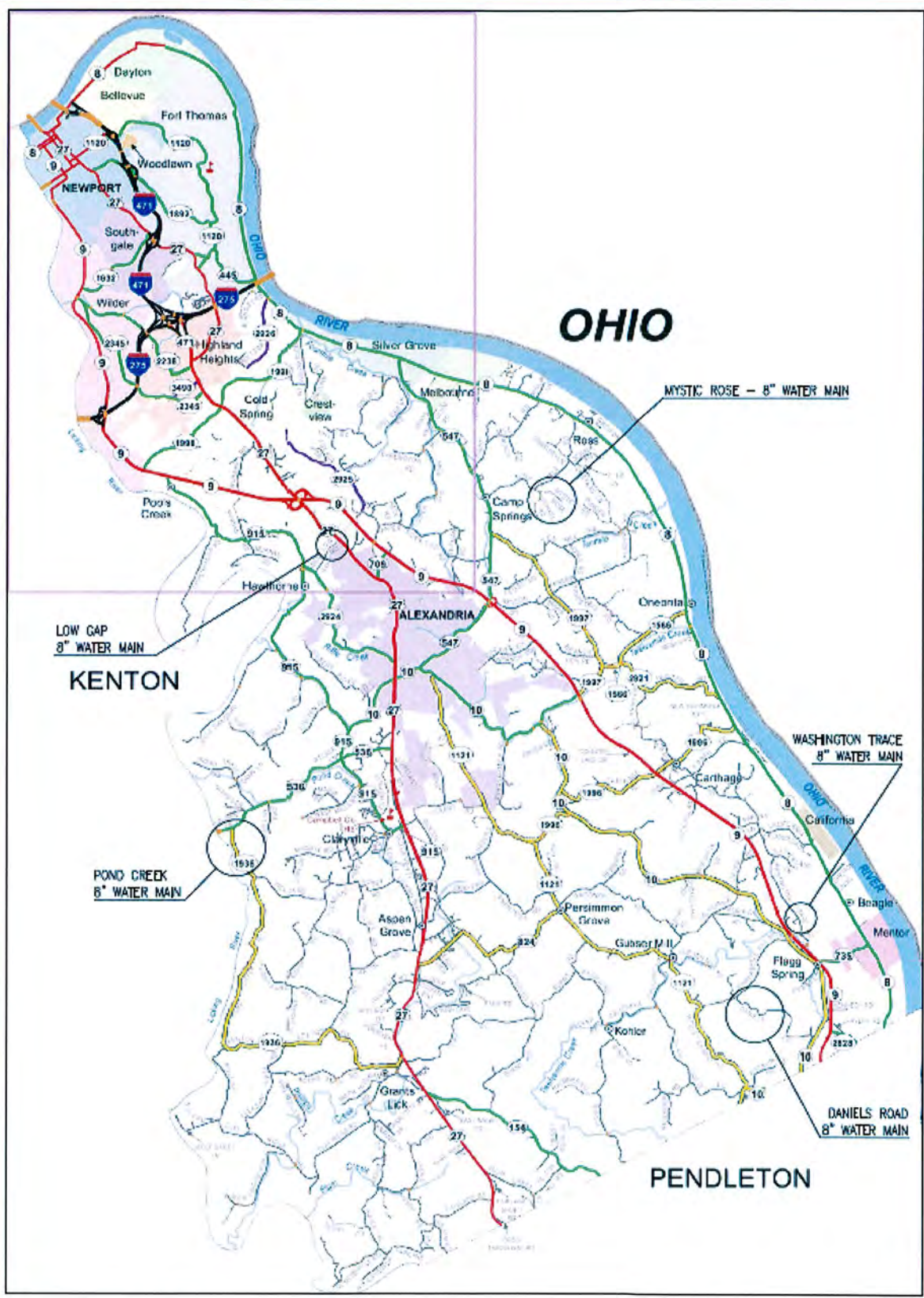
Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Project Map

OHIO



LOW GAP
8" WATER MAIN

MYSTIC ROSE - 8" WATER MAIN

POND CREEK
6" WATER MAIN

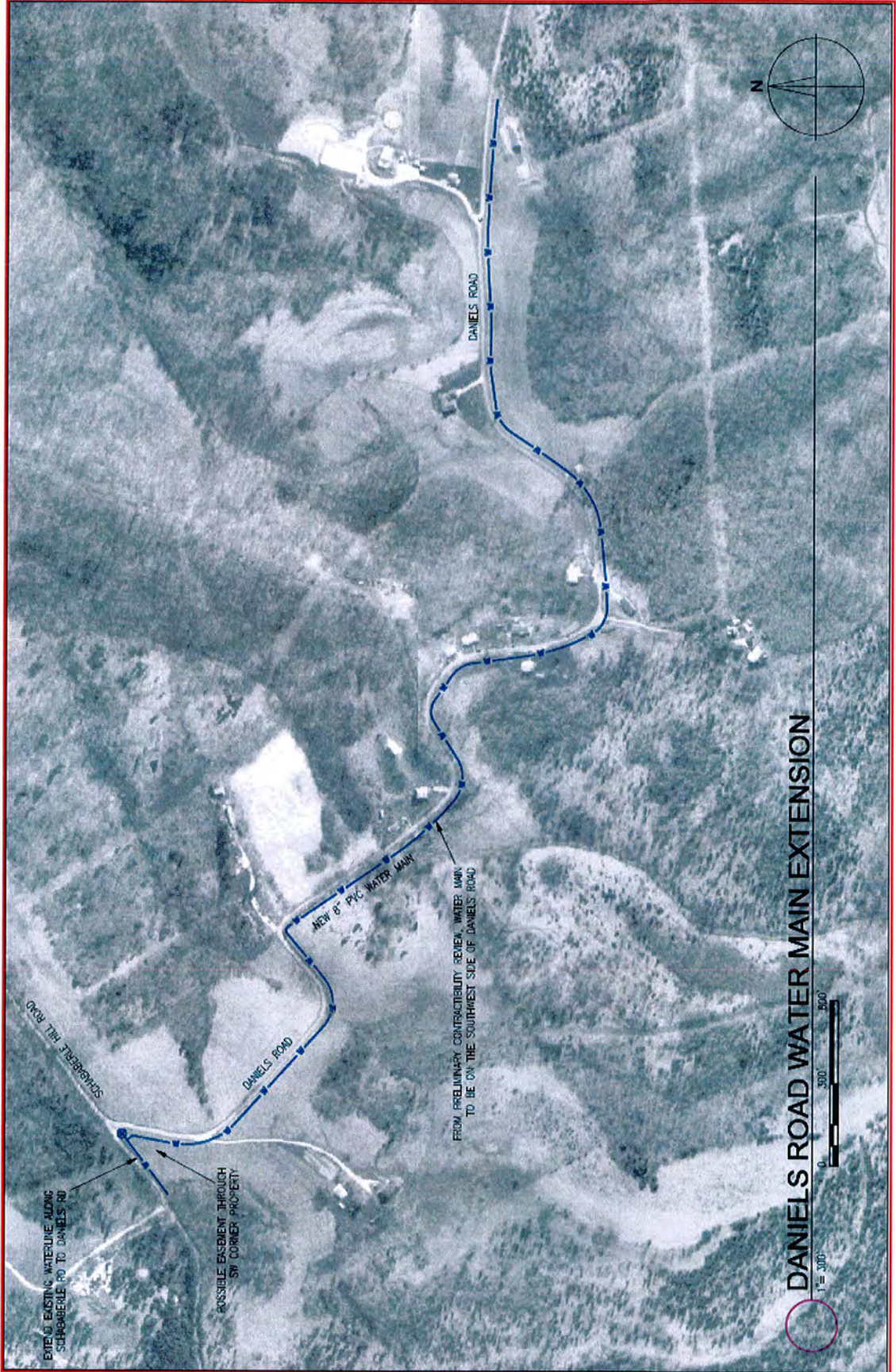
WASHINGTON TRACE
8" WATER MAIN

DANIELS ROAD
8" WATER MAIN

KENTON

PENDLETON





DANIELS ROAD WATER MAIN EXTENSION



1" = 300'

EXTEND EXISTING WATERLINE ALONG SCHAEFFER HILL ROAD TO DANIELS RD

POSSIBLE EASEMENT THROUGH SW CORNER PROPERTY

NEW 8" PVC WATER MAIN

FROM PRELIMINARY CONTRACTIBILITY REVIEW, WATER MAIN TO BE ON THE SOUTHWEST SIDE OF DANIELS ROAD

DANIELS ROAD

DANIELS ROAD

SCHAEFFER HILL ROAD



US HWY 27

Old Mill Rd

FROM PRELIMINARY CONTRACTIBILITY REVIEW, WATER MAIN
TO BE ON THE NORTHWEST SIDE OF LOW GAP ROAD

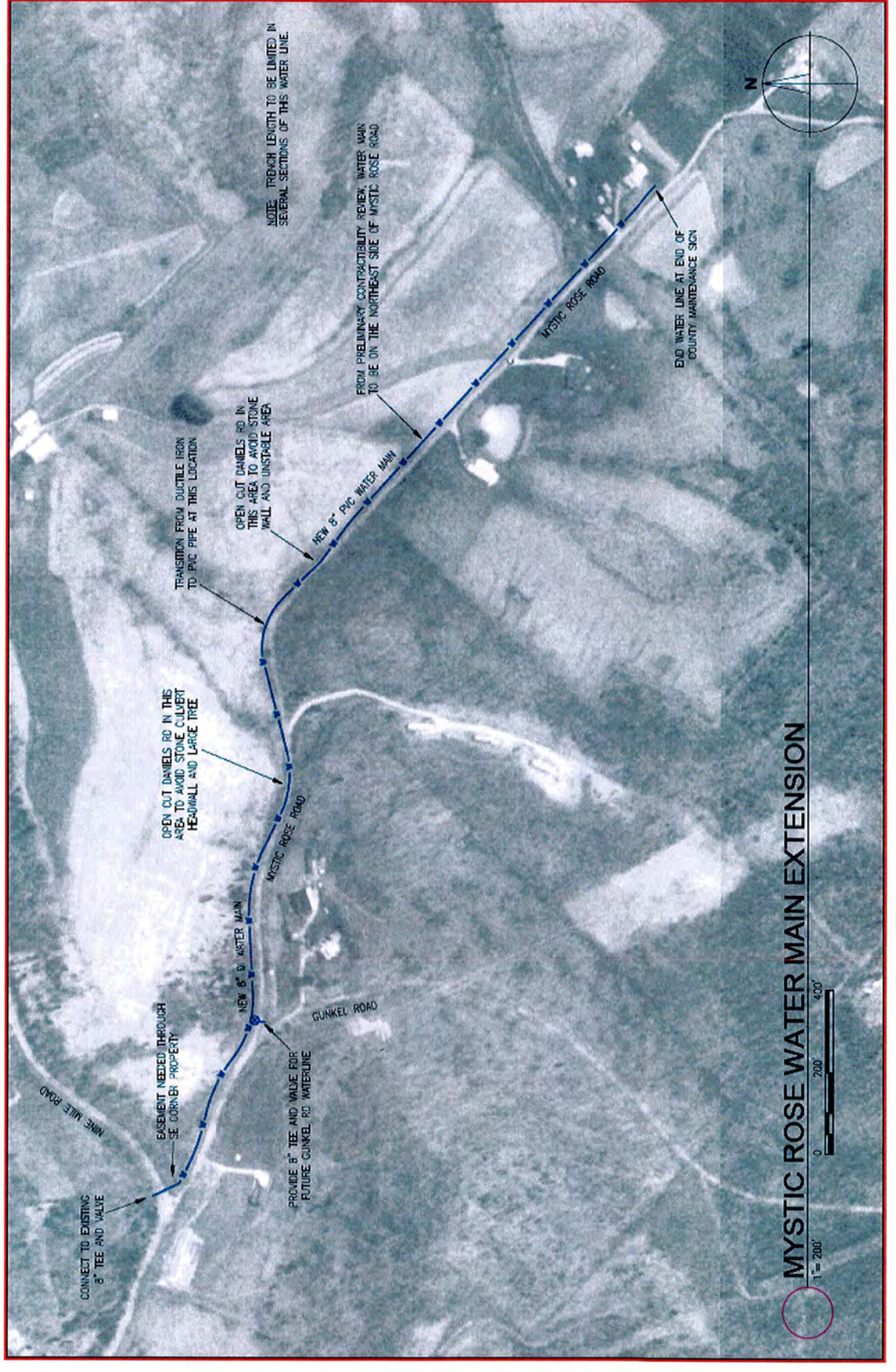
NEW 8" DI WATER MAIN

LOW GAP ROAD WATER MAIN EXTENSION



1" = 150'





CONNECT TO EXISTING
8" TEE AND VALVE

EASEMENT NEEDED THROUGH
SE CORNER PROPERTY

NEW 8" DI WATER MAIN

OPEN CUT DANIELS RD IN THIS
AREA TO AVOID STONE CULVERT
HEADWALL AND LARGE TREE

TRANSITION FROM DUCTILE IRON
TO PVC PIPE AT THIS LOCATION

OPEN CUT DANIELS RD IN
THIS AREA TO AVOID STONE
WALL AND UNSTABLE AREA

PROMOTE 8" TEE AND VALVE FOR
FUTURE GUNKEL RD WATERLINE

MYSTIC ROSE ROAD

GUNKEL ROAD

NEW 8" PVC WATER MAIN

FROM PRELIMINARY CONTRACTIVITY REVIEW, WATER MAIN
TO BE ON THE NORTHEAST SIDE OF MYSTIC ROSE ROAD

MYSTIC ROSE ROAD

END WATER LINE AT END OF
COUNTY MAINTENANCE SIGN

NOTE: TRENCH LENGTH TO BE LIMITED IN
SEVERAL SECTIONS OF THIS WATER LINE.



MYSTIC ROSE WATER MAIN EXTENSION



1" = 200'

EXTEND EXISTING WATERLINE ALONG
CREEKTRACE RD TO POND CREEK RD

CREEKTRACE ROAD (KY Hwy 536)

POND CREEK ROAD (KY Hwy 1936)

FROM PRELIMINARY CONTRACTIBILITY REVIEW, WATER MAIN
TO BE ON THE EAST SIDE OF POND CREEK ROAD

NEW 8" DI WATER MAIN

EASEMENTS THROUGH
TWO (2) PROPERTIES TO
AVOID LARGE CULVERT

POND CREEK ROAD (KY Hwy 1936)

POND CREEK ROAD WATER MAIN EXTENSION

1" = 250'



45° ANGLE ACROSS ROAD AT END TO
CONNECT TO EXISTING 4" WATER LINE

NEW 8" PVC WATER MAIN

TRANSITION FROM DUCTILE IRON
TO PVC PIPE AT THIS LOCATION

WASHINGTON TRACE

FROM PRELIMINARY CONTRACTIBILITY REVIEW, MAJORITY OF WATER
MAIN TO BE ON THE EAST SIDE OF WASHINGTON TRACE

NEW 6" DI WATER MAIN

FROM PRELIMINARY CONTRACTIBILITY REVIEW, THIS SECTION OF
WATER MAIN TO BEGIN THE WEST SIDE OF WASHINGTON TRACE

45° ANGLE ACROSS
ROAD AT THIS POINT

AA Hwy (KY Hwy 9)

WASHINGTON TRACE WATER MAIN EXTENSION

1" = 250'
0 250' 500'



Case No. 2013-____
Exhibit A

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

System Hydraulic Model



FIRE FLOW CERTIFICATION

**Sub-District H - Phase 5
Daniels Rd., Low Gap Rd., Mystic Rose,
Pond Creek Rd., & Washington Trace Rd.
Campbell County, KY
August 20, 2012**

I certify that the proposed improvements meet the 807 KAR 5:066, Section 10b regulation for fire flow protection relating to KRS Chapter 278. With the exception of the 8" improvements on Washington Trace Road, I am certifying that "the system can provide a minimum fire flow of 250 gallons per minute; and the water system supporting this flow has the capability of providing this flow for a period of not less than two (2) hours plus consumption at the maximum daily rate". This certification is based on the information available and is not a guarantee of any precise results.

This certification is based on hydraulic modeling performed using InfoWater, the program available from MWHSoft. Supporting documentation and operating conditions are attached and are the basis for this certification. Hydraulic modeling included improvements being made as part of the Four Mile Pike Water Main Replacement project which is currently replacing the main on Four Mile Pike with new 12" water main from Poplar Ridge Road to Nine Mile Road. Per the contract documents, this project is to be substantially complete by September 18, 2012.

It should be noted that input data used for modeling is based on available data. Results can change and are dependent on the demand conditions, which can vary at any given time. These values will impact the final results when adjusted. The certification is based on estimated conditions and contains many assumptions based on historical data.

With this certification, the Northern Kentucky Water District will permit the construction of fire hydrants within this development with the exception of Washington Trace Road. The construction of fire hydrants on Washington Trace Road will not be permitted.

Fire flow analyses were made using a hydrant within the subdivision that would provide a representative result that should simulate the results at other hydrants within the system. Minor variations at different hydrants would still provide a flow rate that meets the minimum standard.





HYDRAULIC AND FLUSHING VELOCITY CERTIFICATION

**Sub-District H - Phase 5
Daniels Rd., Low Gap Rd., Mystic Rose,
Pond Creek Rd., & Washington Trace Rd.
Campbell County, KY
August 20, 2012**

I certify that the proposed improvements on Low Gap Road, Mystic Rose, and Pond Creek Road will meet the American Water Works Association Standard C651 standard for flushing velocity in the main meeting 2.5 feet per second while maintaining at least 20 psi pressure in accordance with 401 KAR 8:100. The proposed 8" improvements on Daniels Road and Washington Trace Road will **not** meet the American Water Works Association Standard C651 standard for flushing velocity in the main meeting 2.5 feet per second while maintaining at least 20 psi pressure in accordance with 401 KAR 8:100 and would be considered "underserved". The maximum flow rate that can be supplied to the main on Daniels Road to get unidirectional flushing is 335 gpm at 2.1 fps under average day conditions. The maximum flow rate that can be supplied to the main on Washington Trace Road to get unidirectional flushing is 165 gpm at 1.1 fps under average day conditions. Approval from the Division of Water to allow the underserved mains will be required.

The maximum flow rate that can reliably be supplied to the main and meet 20 psi in the system under maximum hour conditions is:

- 250 gpm on Daniels Road
- 1,500 gpm on Low Gap Road
- 750 gpm on Mystic Rose
- 1,500 gpm on Pond Creek Road
- 160 gpm on Washington Trace Road

At least 30 psi can be maintained under the peak domestic demand for the 53 customers affected. The peak domestic demand using the D.R. Taylor formula is:

- 42.4 gpm on Daniels Road (18 potential customers)
- 24.5 gpm on Low Gap Road (6 potential customers)
- 28.3 gpm on Mystic Rose (8 potential customers)
- 36.1 gpm on Pond Creek Road (13 potential customers)
- 28.3 gpm on Washington Trace Road (8 potential customers)

This certification is based on the information available and is not a guarantee of any precise results. Results are based on hydraulic modeling performed using InfoWater, the program available from MWHSoft. Supporting documentation and operating conditions are attached and are the basis for this certification. Hydraulic modeling included improvements being made as part of the Four Mile Pike Water Main Replacement project which is currently replacing the main on Four Mile Pike with new 12" water main from Poplar Ridge Road to Nine Mile Road. Per the contract documents, this project is to be substantially complete by September 18, 2012.

It should be noted that input data used for modeling is based on available data. Results can change and are dependent on the demand conditions, which can vary at any given time. These values will impact the final results when adjusted. The certification is based on estimated conditions for maximum hour and average day demand conditions and contains many assumptions based on historical data.

With this certification, the Northern Kentucky Water District will permit the construction of the proposed development.

The assumed Hazen-Williams roughness coefficient for all new pipe was 120, which is suitable for ductile iron or PVC. The water level in the South County Tank, Claryville Tank, and Main Street Tank were one-half full.



Sub-District H Phase 5
 Daniels Rd., Low Gap Rd., Mystic Rose,
 Pond Creek Rd., Washington Tr. Rd.
 Campbell County, Kentucky
 Output from InfoWater model - copied to Excel
 August 20th, 2012



** With Four Mile Improvements **

Maximum Hour Run for Potential Customers

Daniels Road

Maximum Hour Run, 18 potential Customers = 42.4 GPM				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J254	14.1	808	998.1	82.4
J268	14.1	816	998.0	78.8
J270	14.1	824	998.0	75.4

Low Gap Road

Maximum Hour Run, 6 potential Customers = 24.5 GPM				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
7211	12.3	602	1039.0	189.4
J278	12.3	572	1039.0	202.4

Mystic Rose

Maximum Hour Run, 8 potential Customers = 28.3 GPM				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J280	14.1	835	1035.8	87.0
J282	14.1	680	1035.8	154.2

Pond Creek Road

Maximum Hour Run, 13 potential Customers = 36.1 GPM				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J218	12.0	560	1011.9	195.8
J272	12.0	510	1011.9	217.5
J274	12.0	554	1011.9	198.4

Washington Trace Road

Maximum Hour Run, 8 potential Customers = 28.3 GPM				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J276	14.1	596	993.9	172.4
VCAL0010	14.1	748	993.9	106.6

Flushing Velocities Under Average Day

Daniels Road

Flushing velocity for new 8" pipe (under average day)				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J254	14.1	808	937	56
J268	335.0	816	923	46
J270	14.1	824	926	44

Pipe Information for flushing velocity for new 8" pipe					
Pipe ID	Length, ft	Diam, inch	Flow, gpm	Velocity, fps	Roughness
P437	3581	8	349	2.2	120
P439	1084	8	335	2.1	120

* Min pressure occurs at time = 1.0hrs. Pressure = 20 psi at south end of Wesley Chapel

Low Gap Road

Flushing velocity 2.5 fps for new 8" pipe (under average day)					
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi	
7211	12.3	602	1010.2	176.9	
J278	392.0	572	1007.7	188.8	
Pipe Information for flushing velocity at 2.5 fps for new 8" pipe					
Pipe ID	Length, ft	Diam, inch	Flow, gpm	Velocity, fps	Roughness
P447	674	8	392	2.5	120

* Min Pressure @ Time = 23hrs

Mystic Rose

Flushing velocity 2.5 fps for new 8" pipe (under average day)					
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi	
J280	392.0	835	967.1	57.2	
J282	14.2	680	977.2	128.8	
Pipe Information for flushing velocity at 2.5 fps for new 8" pipe					
Pipe ID	Length, ft	Diam, inch	Flow, gpm	Velocity, fps	Roughness
P451	2706	8	392	2.5	120

* Min Pressure @ Time = 22.5hrs

Pond Creek Road

Flushing velocity 2.5 fps for new 8" & 12" pipe (under average day)					
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi	
J218	12.0	560	930.5	160.5	
J272	869.0	510	873.8	157.7	
J274	12.0	554	929.8	162.9	
Pipe Information for flushing velocity at 2.5 fps for new 8" & 12" pipe					
Pipe ID	Length, ft	Diam, inch	Flow, gpm	Velocity, fps	Roughness
P441	262	12	881	2.5	120
P443	3428	8	869	5.6	120

* Min Pressure @ Time = 0hrs

Washington Trace Road

Flushing velocity for new 8" pipe (under average day)					
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi	
J276	165.0	596	793.1	85.4	
VCAL0010	14.2	748	794.8	20.3	
Pipe Information for flushing velocity for new 8" pipe					
Pipe ID	Length, ft	Diam, inch	Flow, gpm	Velocity, fps	Roughness
P445	2238	8	165	1.1	120

* Min pressure occurs at time = 23.5hrs

Maximum Available Flow Under Maximum Hour

Daniels Road

Maximum Hour Run, Maximum Available Flow					
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi	
J254	14.1	808	947.6	60.5	
J268	250.0	816	939.4	53.5	
J270	14.1	824	941.1	50.8	

* Min pressure occurs at south end of Wesley Chapel = 23.3psi

Low Gap Road

Maximum Hour Run, Maximum Available Flow				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
7211	12.3	602	967.0	158.1
J278	1500.0	572	936.7	158.0

Mystic Rose

Maximum Hour Run, Maximum Available Flow				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J280	750.0	835	888.8	23.3
J282	14.1	680	922.5	105.1

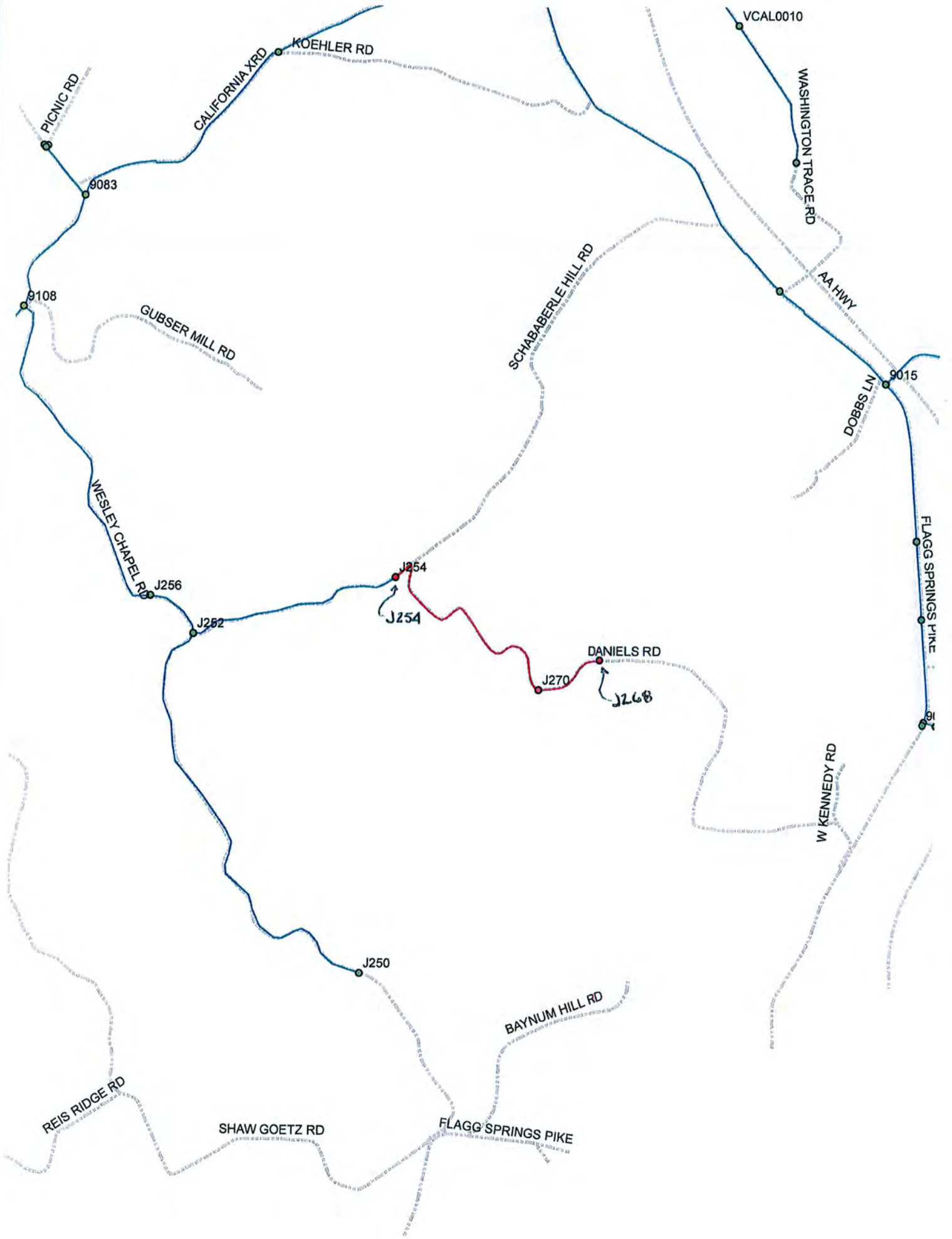
Pond Creek Road

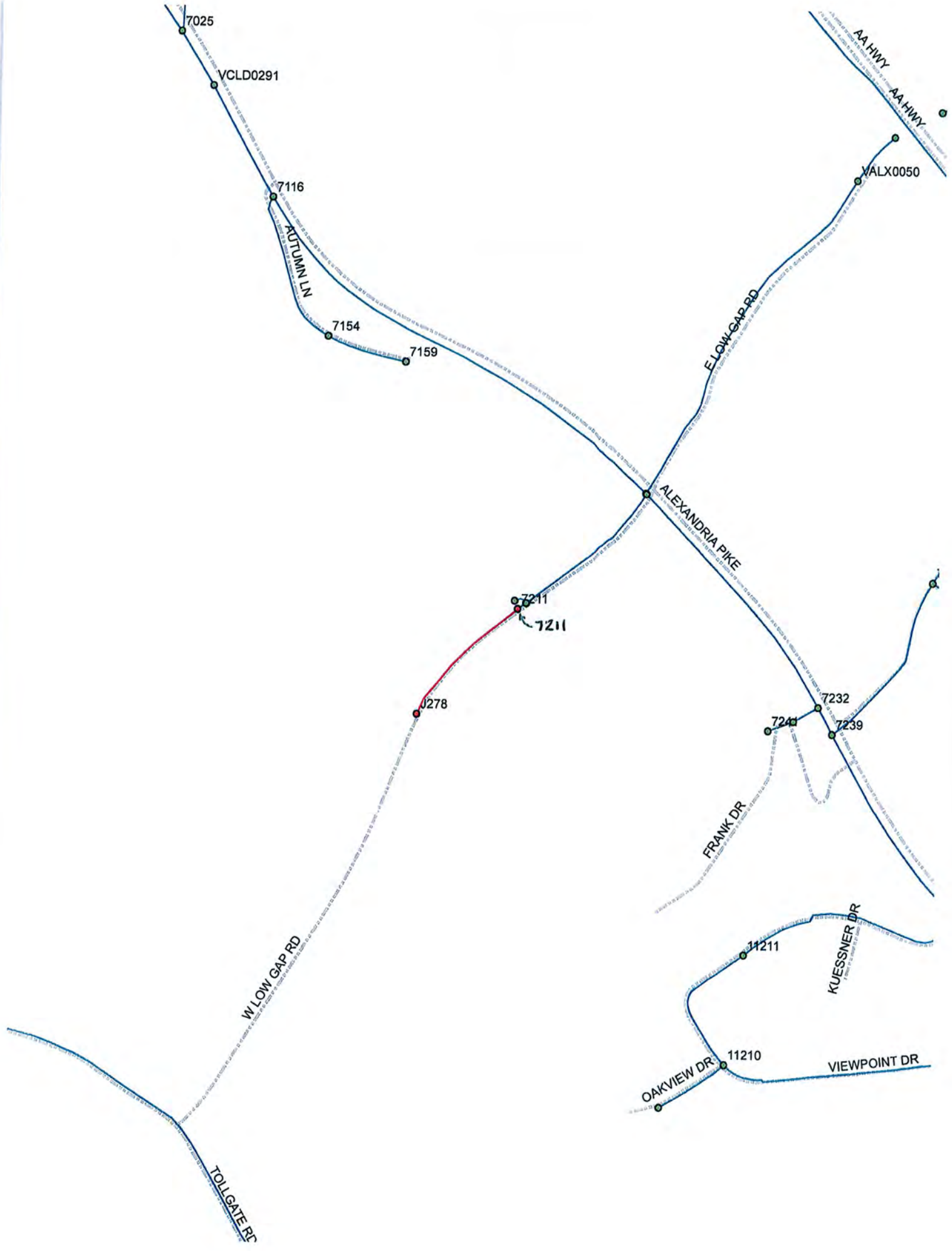
Maximum Hour Run, Maximum Available Flow				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J218	12.0	560	782.6	96.5
J272	1500.0	510	627.1	50.7
J274	12.0	554	781.0	98.3

Washington Trace Road

Maximum Hour Run, Maximum Available Flow				
ID	Demand, gpm	Elevation, ft	Grade, ft	Pressure, psi
J276	160.0	596	798.1	87.6
VCAL0010	14.1	748	799.7	22.4

<u>Pipe ID</u>	<u>From Node</u>	<u>To Node</u>
P437	J254	J270
P439	J270	J268
P447	7211	J278
P451	J282	J280
P441	J218	J274
P443	J274	J272
P445	VCAL0010	J276





Case No. 2013-____
Exhibit A

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Engineer's Opinion
Of Probable
Construction Cost

Sub-District H - Phase 5 / Total Project (Revised Cost Opinion 4-30-2013)

Item No.	Description	Unit of Measure	Estimated Quantity	Unit Cost Total	Total Cost
1	6.01 CLASS 50 DUCTILE IRON PIPE (8"). (Detail 103, 103a, 104, 104a, 110)	LF	7711	\$43.50	\$335,428.50
2	6.01 CLASS 50 DUCTILE IRON PIPE (12"). (Detail 103, 103a, 104, 104a, 110)	LF	383	\$83.60	\$32,018.80
3	6.02.B CLASS 50 DUCTILE IRON PIPE (8") -RESTRAINED JOINT (Detail 103, 103a, 104, 104a, 110)	LF	334	\$52.90	\$17,668.60
4	6.03 C-900 Poly Vinyl Chloride (PVC) (8") (Detail 103, 103a, 104, 104a, 110)	LF	5678	\$27.40	\$155,577.20
5	7.01 CONNECT TO EXISTING MAIN/TIE-IN (4")	EA	1	\$990.00	\$990.00
6	7.01 CONNECT TO EXISTING MAIN/TIE-IN (8")	EA	3	\$1,320.00	\$3,960.00
7	7.01 CONNECT TO EXISTING MAIN/TIE-IN (12")	EA	0	\$2,200.00	\$0.00
8	7.02 TAPPING SLEEVE & VALVE (5/8" Ford Type F600 - For Temp Air Removal)	EA	0	\$495.00	\$0.00
9	8.01 FIRE HYDRANT ASSEMBLY	EA	12	\$4,950.00	\$59,400.00
10	9.01 DUCTILE IRON RESILIENT SEATED GATE VALVE (6")	EA	1	\$1,110.00	\$1,110.00
11	9.01 DUCTILE IRON RESILIENT SEATED GATE VALVE (8")	EA	15	\$1,710.00	\$25,650.00
12	9.01 DUCTILE IRON RESILIENT SEATED GATE VALVE (12")	EA	2	\$3,040.00	\$6,080.00
13	11.04 PLUG AND BLOCK (8")	EA	8	\$825.00	\$6,600.00
14	11.04 PLUG AND BLOCK (12")	EA	0	\$1,690.00	\$0.00

Item No.	Description	Unit of Measure	Estimated Quantity	Unit Cost Total	Total Cost
15	11.05 AIR RELEASE VALVE (ARV and service line materials provided by NKWD)	EA	10	\$1,380.00	\$13,800.00
16	11.06 ANCHORING TEE AND BLOCK (8"x8"x6")	EA	13	\$790.00	\$10,270.00
17	11.07 DUCTILE IRON TEE AND BLOCK (8"x8"x8")	EA	3	\$1,260.00	\$3,780.00
18	11.07 DUCTILE IRON TEE AND BLOCK (12"x12"x8")	EA	0	\$2,110.00	\$0.00
19	11.09 REDUCER (8"x4")	EA	1	\$700.00	\$700.00
20	11.10 FLUSHING DEVICE	EA	2	\$2,640.00	\$5,280.00
21	12.06 ASPHALTIC CONCRETE (Campbell County Specification)	SY	810	\$19.00	\$15,390.00
22	12.07 ASPHALTIC CONCRETE - DRIVEWAY	SY	15	\$19.00	\$285.00
23	12.10 CONCRETE DRIVEWAY	SY	40	\$79.00	\$3,160.00
24	12.13 GRAVEL DRIVEWAY/PARKING AREA	SY	298	\$26.00	\$7,748.00
25	12.14 BEST MANAGEMENT PRACTICE	LS	5	\$3,500.00	\$17,500.00
26	6.04 CASING PIPE (18")	LF	50	\$275.00	\$13,750.00
27	7.02 TAPPING SLEEVE (12") & VALVE (12")	EA	1	\$4,700.00	\$4,700.00
28	11.06 ANCHORING TEE AND BLOCK (12"x12"x12")	EA	1	\$800.00	\$800.00
29	11.09 REDUCER (12"x8")	EA	1	\$215.00	\$215.00
TOTAL BASE BID					\$741,861.10
<i>Note: See section 01025 Measurement and Payment for bid form definitions</i>					

Case No. 2013-____
Exhibit A

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Plans prepared by CMW, Inc. Engineering
(See Attached)

Case No. 2013-____
Exhibit A

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Specifications prepared by CMW, Inc. Engineering
(See Attached)

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

CERTIFIED STATEMENTS

Affidavit

Franchises

Plan Review and Permit Status

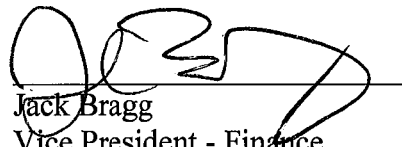
Easements and Right-of-Way Status

Construction Dates and Proposed Date In Service

Plant Retirements


**COMMONWEALTH OF KENTUCKY
COUNTY OF CAMPBELL**

Affiant, Jack Bragg, 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 "Sub-District H Phase 5 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 as to those matters he believes them to be true.



Jack Bragg
Vice President - Finance
Northern Ky. Water District

Subscribed and sworn to before me in said County to be his act and deed by Jack Bragg, Vice President of Finance of the Northern Kentucky Water District, this 13 day of June 2013.



NOTARY PUBLIC
Kenton County, Kentucky
My commission expires 5/23/2016

Northern Kentucky Water District

Franchises required – None

Plan Review and Permit Status - The District has reviewed and approved the specifications prepared CMW, Inc. titled “Sub-District H, Phase 5-Water Main Extension Project” April 2013.

The District received approval on August 7, 2012 from the Campbell County Road Department to encroach upon the County-owned Right-of-Way. (See attached letters).

The District received approval from the Division of Water on September 11, 2012. (See attached letters).

The District received approval on August 1, 2012 from the Kentucky Transportation Cabinet’s Department of Highways to encroach upon the State-owned Right-of-Way. (See attached letters).

The District has filed appropriate documentation with Sanitation District 1 and the Kentucky Pollution Discharge Elimination System regarding construction site runoff management.

Easements and Right-of-Way Status – Easements for this project are being procured and all Right-of-Way statements have been submitted.

Start date of construction – July 19, 2013

Proposed date in service – November 27, 2011

Plant retirements – No plant retirements.

Case No. 2013-____
Exhibit _____ B _____

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

PLAN REVIEW AND PERMIT STATUS

Approval Letters from Kentucky Division of Water, Kentucky Transportation Cabinet
and the Campbell County Road Department

STEVEN L. BESHEAR
GOVERNOR



LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

September 4, 2012

REC'D SEP 11 2012

Mr. Brandon L. Kuper
Northern KY Water Service
P. O. Box 18640
Erlanger, KY 41018

184-154
RE: Northern KY Water Service
AI #2485, APE20120006
PWSID # 0590220-12-006
Sub District H - Phase 5 WLE
Campbell County, KY

Dear Mr. Kuper:

We have reviewed the plans and specifications for the above referenced project. The plans include the construction of approximately 14,538 ft of water Line with associated valves, fitting, hydrants, bores, etc. in rural portions of Campbell County. This includes approximately 713 ft of 8-inch DI water line along Low Gap Road, approximately 1,492 ft of 8-inch DI and 1,220 ft of 8-inch PVC water line along Mystic Rose Road, approximately 2,222 ft of 8-inch DI water line along Washington Trace, approximately 5,466 ft of 8-inch PVC water line along Daniels Road, and approximately 3,358 ft of 8-inch DI and 67 ft of 12-inch DI water line along Pond Creek Road. This is to advise that plans and specifications for the above referenced project are APPROVED with respect to sanitary features of design, as of this date with the requirements contained in the attached construction permit.

Based on the hydraulic analysis/data submitted, the areas served by the following extension(s) are considered to be underserved.

- A) Daniels Road
- B) Washington Trace Road

This designation indicates that without improvement(s) to the existing infrastructure, future extensions may not be able to provide the required minimum pressure of 30 psi on the discharge side of customer's meters. Future extension(s) may be denied without infrastructure improvements. The underserved designation may be used to help prioritize area under the Governor's 2020 plan for funding future infrastructure improvement.

Northern KY Water Service
AI # 2485, APE20120006
PWSID # 0590220-12-006
Sub District H - Phase 5 WLE
Campbell County, KY
September 4, 2012
Page 2 of 2

If you have any questions concerning this project, please contact Mr. Fred Sarabi at 502-564-8158 x4825.

Sincerely,



Mark Rasche, P.E.
Supervisor, Engineering Section
Water Infrastructure Branch
Division of Water

MR:FS

Enclosures

C: CMW, Inc.
Campbell County Health Department
Public Service Commission

Distribution-Major Construction

Northern KY Water Service
Facility Requirements

Activity ID No.: APE20120006

AIOO0000002485:

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Coliform	The presence or absence of total Coliform monitored by sampling and analysis as needed shall be determined for the new or relocated water line(s). Take samples at connection points to existing lines, at 1 mile intervals, and at dead ends without omitting any branch of the new or relocated water line. Sample bottles shall be clearly identified as "special" construction tests. [401 KAR 8:100 Section 1(7), 401 KAR 8:150 Section 4, Recommended Standards for Water Works 8.5.6] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.

Submittal/Action Requirements:

Coliform:

Condition No.	Condition
S-1	Coliform For new construction projects, the distribution system, using the most expedient method, shall submit Coliform test results to the Cabinet: Due immediately following disinfection and flushing. [401 KAR 8:150 Section 4(2)]
S-2	For proposed changes to the approved plan, submit information: Due prior to any modification to the Cabinet for approval. Changes to the approved plan shall not be implemented without the prior written approval of the Cabinet. [401 KAR 8:100 Section 1(8)]
S-3	The person who presented the plans shall submit the professional engineer's certification: Due when construction is complete to the Division of Water. The certification shall be signed by a registered professional engineer and state that the water project has been constructed and tested in accordance with the approved plans, specifications, and requirements. [401 KAR 8:100 Section 1(8)]

Distribution-Major Construction

Northern KY Water Service

Facility Requirements

Activity ID No.: APE20120006

Page 3 of 7

PORT000000222 (Water Line Extension) 6,686 ft of 8-inch PVC, 7,785 ft of 8-inch DI and 67 ft of 12-inch DI:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Depth	A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a Depth \geq 6 in below the bottom of the pipe. [Recommended Standards for Water Works 8.5.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.
L-2	Depth	All water lines shall be covered to a Depth \geq 30 in to prevent freezing. [Recommended Standards for Water Works 8.5.3, 401 KAR 8:100 Section 1(7)] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-3	Diameter	All new and existing water lines serving fire hydrants or where fire protection is provided shall have Diameter \geq 6 in. [Recommended Standards for Water Works 8.1.2] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-4	Distance	Water lines shall have a sufficient quantity of valves so that inconvenience and sanitary hazards will be minimized during repairs. A valve spacing Distance \leq 1.0 mi should be utilized. [Recommended Standards for Water Works 8.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.
L-5	Distance	Hydrant drains shall not be connected to sanitary sewers or storm drains and shall be located a Distance $>$ 10 ft from sanitary sewers and storm drains. [Recommended Standards for Water Works 8.3.4] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.
L-6	Distance	Except when not practical, water lines shall be laid a horizontal Distance \geq 10 ft from any existing or proposed sewer. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot separation, water lines may be installed closer to a sewer provided that the water lines shall be laid in a separate trench or on an undisturbed shelf located on one side of the sewer at such an elevation that the bottom of the water line is at least 18 inches above the top of the sewer. [Recommended Standards for Water Works 8.6.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.

Distribution-Major Construction

Northern KY Water Service
Facility Requirements

Activity ID No.: APE20120006

Page 5 of 7

PORT0000000222 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-12	Velocity	Each blow-off or fire hydrant shall be sized so that Velocity ≥ 2.5 ft/sec can be achieved in the water main served by the blow-off or hydrant during flushing. [Recommended Standards for Water Works 8.1.6.b, 401 KAR 8:100 Section 1(7)] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	leaks	The presence or absence of leaks monitored by physical testing as needed shall be determined in all types of installed pipe. Pressure testing and leakage testing shall be in accordance with the latest edition of AWWA Standard C600. [Recommended Standards for Water Works 8.5.5] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.

Narrative Requirements:

Additional Limitations:

Condition No.	Condition
T-1	Additional Limitations: Water line installation shall be in accordance with AWWA standards or manufacturer recommendations. [Recommended Standards for Water Works 8.5.1]
T-2	Additional Limitations: Pipes, fittings, valves and fire hydrants shall conform to the latest standards issued by the AWWA or NSF (if such standards exist). PVC and PE piping used must be certified to ANSI/NSF Standard 61. [Recommended Standards for Water Works 8.0.1]
T-3	Additional Limitations: At high points in water lines, where air can accumulate, provisions shall be made to remove the air by means of hydrants or air relief valves. Automatic air relief valves shall not be used in situations where manhole or chamber flooding may occur. [Recommended Standards for Water Works 8.4.1]

Distribution-Major Construction

Northern KY Water Service

Facility Requirements

Activity ID No.: APE20120006

PORT0000000222 (continued):

Narrative Requirements:

Subfluvial Pipe Crossings:

Condition

No. Condition

- T-12 **Subfluvial Pipe Crossings:**
For subfluvial pipe crossings, a floodplain construction permit will not be required pursuant to KRS 151.250 if the following requirements of 401 KAR 4:050 Section 2 are met.
- 1) No material may be placed in the stream or in the flood plain of the stream to form construction pads, coffer dams, access roads, etc. during construction of pipe crossings.
 - 2) Crossing trenches shall be backfilled as closely as possible to the original contour.
 - 3) All excess material resulting from construction displacement in a crossing trench shall be disposed of outside the flood plain.
 - 4) For erodible channels, there shall be at least 30 inches of backfill on top of all pipe or conduit points in the crossing.
 - 5) For nonerodible channels, pipes or conduits in the crossing shall be encased on all sides by at least 6 inches of concrete with all pipe or conduit points in the crossing at least 6 inches below the original contour of the channel. [401 KAR 8:100 Section 1(7)]
- T-13 **Subfluvial Pipe Crossings:**
For subfluvial pipe crossings greater than 15 feet in width,
- 1) the pipe shall be of special construction, having flexible, restrained, or welded watertight joints, and
 - 2) valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair.
- Valves shall
- a) be easily accessible,
 - b) not be subject to flooding, and
 - c) if closest to the supply source, be in a manhole with permanent taps made on each side of the valve to allow insertion of a small meter to determine leakage and for sampling purposes. [Recommended Standards for Water Works 8.7.2]

Northern Kentucky Water District

July 16, 2012

Mr. Ken Schultz
Campbell County Road Department
145 Race Track Road
Alexandria, KY 41001


RE: Encroachment Permit – 8" Water Main Extension on Low Gap Road, Mystic Rose, Washington Trace and Daniels Road

Dear Mr. Schultz,

Please find the attached encroachment permit application and two sets of plans for a proposed 8" Water Main Extension on Low Gap Road, Mystic Rose, Washington Trace and Daniels Road.

If you have any questions concerning this application please phone me at 859-426-2728.

Regards,



Steve Broering
Engineering technician

Enclosures
sjb/SJB

COUNTY ORDINANCE NO. 0-17-92
CAMPBELL COUNTY, KENTUCKY

APPLICATION AND PERMIT TO OPEN OR CUT COUNTY ROAD OR UTILITY FACILITY

PERMIT NO.: 02-12
NAME: Northern Kentucky Water District
ADDRESS: 2835 Crescent Springs Road, P.O. Box 18640
Erlanger, Kentucky 41018
LOCATION OF PROJECT: Low Gap Road, Mystic Rose, Washington Trace, and Daniels
Road. ALL Disturbed Areas To Be Paved
PAVEMENT CLASSIFICATION NO.: Asphalt
BACKFILL METHOD A: _____ B: _____
DESCRIPTION OF WORK TO BE DONE: 8" Water main extension

DATE OF OPENING TO BE MADE: TBD
ATTACHEMENTS: 2 DRAWING OF PROPOSED WORK (PER
COUNTY SAMPLE).

APPROVAL SHALL CONSTITUTE A PERMIT FOR THE APPLICANT TO OPEN OR CUT
STREET OR UTILITY FACILITY, PER THE TERMS OF CAMPBELL COUNTY ORDINANCE 0-
17-92, BUT ONLY IN THE MANNER AUTHORIZED BY THIS DOCUMENT. APPLICANT'S
SIGNATURE HEREON CONSTITUTES ACCEPTANCE OF THE TERMS OF ORDINANCE 0-
17-92, AND APPLICANT HEREBY AGREES TO COMPLY THEREWITH.

Steve Brown 7-16-12
APPLICANTS SIGNATURE DATE

PERMIT FEE: \$17.00
CASH INDEMNITY NO LESS THAN \$500.00 _____

DIRECTOR OF TRANSPORTATION: Ken Schultz
COUNTY JUDGE/EXECUTIVE: Steve Under

THE APPLICANT SHALL HOLD THE COUNTY HARMLESS FROM ALL CLAIMS, DEMANDS,
SUITS, DAMAGES AND CAUSES OF ACTIONS ARISING FROM OR RELATING TO THE
ACTIVITIES PROVIDED FROM IN THIS APPLICANT, OTHER THAN THE ACTUAL
NEGLIGENCE OR INTENTIONAL WRONGDOING OF THE COUNTY, OR ITS AGENTS OR
EMPLOYEES.



REC'D AUG - 1 2012

TRANSPORTATION CABINET

Steven L. Beshear
Governor

Department of Highways District 6 Office
421 Buttermilk Pike
Covington, KY 41017
(859) 341-2700

Michael W. Hancock, P.E.
Secretary

July 30, 2012

Northern Kentucky Water District
Attn: Steve Broering
2835 Crescent Springs Road
Erlanger, Kentucky 41018

SUBJECT: Campbell, MP- 7.149-7.798
Route No. 1936
Permit Number 06-2012-11288

Dear Applicant:

Your application for an encroachment permit has been approved by the Department of Highways. We are returning two copies of the approved permit so one may be kept in your records files. The other copy must be given to the party responsible for completing the project and must be kept at the jobsite at all times.

Please see that the work is done in strict conformity with the permit and any other applicable conditions. (See Form TC99-21 and any other attached documents, conditions or specifications). The work should be completed no later than 07/30/2013. When the permitted work and any necessary restoration have been completed please notify this office by using the attached form which will serve as a notification for final inspection.

If there are any question regarding this permit, please do not hesitate to contact Caroline Justice at 859-341-2700 or fax number 859-341-6729.

Sincerely,

Rob Hans, P.E.
Chief District Engineer
Department of Highways
District 6- Covington
421 Buttermilk Pike
Covington, KY 41014



NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

PLEASE RETURN THIS FORM TO THE DISTRICT OFFICE WHEN WORK IS COMPLETED
AND IS READY FOR FINAL INSPECTION.

APPLICANT INFORMATION:

KEPT Number: 06-2012-11288

Name: Northern KY Water District

Address: 2835 Crescent Springs Road

City: Erlanger

State: KY

Zip: 41018

Telephone: 859-426-2728

I wish to notify the Department of Highways that the work in the above mentioned permit and any necessary right of way restoration work have been completed and are ready for final inspection.

Applicant Signature: _____

Please Return To: Department of Highways
District 6 Covington
421 Buttermilk Pike
Covington, KY 41017

Attention: Caroline Justice, Permits Engineer



Kentucky Transportation Cabinet
 Department of Highways
 Permits Branch

TC 99-1 (B)
 1/2012
 Page 1 of 1

ENCROACHMENT PERMIT

KEPTS No.: 06-2012-11288

Permittee: Northern KY Water District

Latitude: 38.912525

Longitude: -84.440869

Completion Date: 7-1-13

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	\$50,000.00	41018
Payment Bond		
Liability Insurance		

This permit has been:

APPROVED

DENIED

Richard T Davis
 NAME

TEAM - ES
 TITLE

[Signature]
 SIGNATURE

7/27/12
 DATE

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.

APPROVED

APPROVED JUL 30 2012



Kentucky Transportation Cabinet
Department of Highways
Permits Branch

TC 99-1 (A)
1/2012
Page 1 of 3

APPLICATION FOR ENCROACHMENT PERMIT

Applicant/Permittee		KEPTS No. 06-2012-11288	
Name Northern Kentucky Water District		Permit Location	
Address 2835 Crescent Springs Road		Address Pond Creek Road	
City Erlanger			
State KY	Zip 41018	City Alexandria	
Phone 859-426-2728		State KY	Zip 41001
Cell Phone 859-991-1652		County Campbell	
Work Phone 859-426-2828			
Email Address sbroering@nkywater.org		Route No. 1936	
Access Control		Mile Point 7.149 - 7.798	
<input type="checkbox"/> Fully Controlled Access		GPS Coordinates	
<input type="checkbox"/> Partially Controlled Access		X	
<input checked="" type="checkbox"/> Control of Access by Permit		Y	

Type of Encroachment (KYTC)

Description of Work:
New Construction - Installation of approximately 3,398 ft of 8" ductile iron water main along Pond Creek Road (KY 1936).
Restoration will be seed and straw.

184-0654



Kentucky Transportation Cabinet
Department of Highways
Permits Branch

TC 99-1 (A)
1/2012
Page 2 of 3

APPLICATION FOR ENCROACHMENT PERMIT

Applicant/Permittee agrees to the following terms and conditions:

1. The permit, including this application and all related and accompanying documents and drawings making up the permit, remains in effect and is binding upon the Applicant/Permittee, its successors and assigns, as long as the encroachment(s) exists and also until the permittee is finally relieved by the Department of Highways from all its obligations.
2. Applicant shall meet all requirements of the Clean Water Act if the project will disturb one acre or more, the applicant shall obtain a KPDES KYR10 Permit from the Kentucky Division of Water. All disturbed areas shall meet the requirements of the Department of Highway's Standard Specifications, Sections 212 and 213, as amended.
3. **INDEMNITY:**
 - A. **PERFORMANCE BOND:** The permittee shall provide to the Department a performance bond, when required, in the amount of \$_____ (an amount equal to the estimated project cost as prepared and submitted by the applicant and approved by the Department) as a guarantee of conformance with the Department's Encroachment Permit requirements.
 - B. **PAYMENT BOND:** At the discretion of the department, a payment bond will be required of the permittee to ensure payment of liquidated damages assessed to the permittee.
 - C. **LIABILITY INSURANCE:** Liability insurance will be required of the permittee (in an amount approved by the department) to cover all liabilities associated with the encroachment.
 - D. It shall be the responsibility of the permittee, its successors and assigns, to maintain all indemnities in full force and effect until the permittee is authorized to release the indemnity by the Department.
4. A copy of this application and all related documents making up the approved permit will be given to the applicant and shall be made readily available for review at the work site at all times.
5. Perpetual maintenance of the encroachment is the responsibility of the permittee, its successors and assigns, with the approval of the Department as required, unless otherwise stated.
6. Permittee, its successors and assigns, shall comply with and agrees to be bound by the requirements and terms of (a) this application and all related documents making up the approved permit, (b) by the Department's Permits Manual, and (c) by the Manual on Uniform Traffic Control Devices, both manuals as revised to and in effect on the date of issuance of the permit, all of which documents are made a part thereof by this reference. Compliance by the permittee, its successors and assigns, with subsequent revisions to applicable provisions of either manual or other policy of the Department may be made a condition of allowing the encroachment to persist under the permit.
7. Permittee agrees that this and any encroachment may be ordered removed by the Department at any time, and for any reason, upon thirty days written notice to the last known address of the applicant or to the address at the location of the encroachment. The permittee agrees that the cost of removing and of restoring the associated right-of-way is the responsibility of the permittee, its successors and assigns.
8. Permittee, its successors and assigns, agree that if the Department determines that motor vehicular safety deficiencies develop as a result of the installation or use of the encroachment, the permittee, its successors and assigns, shall provide and bear the expenses to adjust, relocate, or reconstruct the facilities, and/or add signs, auxiliary lanes, or other corrective measures reasonably deemed necessary by the Department within a reasonable time after receipt of a written notice of such deficiency. The period within which such adjustments, relocations, additions, modifications, and/or other corrective measures must be completed will be specified in the notice.
9. Where traffic signals are required as a condition of granting the requested permit or are thereafter required to correct motor vehicular safety deficiencies, as determined by the Department, the costs for signal equipment and installation(s) shall be borne by the permittee, its successors and assigns, and/or the Department in its reasonable discretion and only in accordance with the Department's current policy set forth in the Traffic Operations Manual and Permits Manual. Any modifications to the permittee's entrance necessary to accommodate signalization (including necessary easement(s) on private property) shall be the responsibility of the permittee, its successors and assigns, at no expense to the Department.
10. The requested encroachment shall not infringe on the frontage rights of an abutting owner without their written consent as hereinafter described. Each abutting owner shall express their consent, which shall be binding on their successors and assigns, by the submission of a notarized statement as follows, "I (we), _____, hereby consent to the granting of the permit requested by the applicant along Route _____ which permit does affect frontage rights along my (our) adjacent real property." By signature(s) _____, subscribed and sworn by _____, on this date _____. (This requirement does not apply to utility encroachments which serve the general public).
11. The permit, if approved, is subject to the agreement that it shall not interfere with any similar rights or permit(s) previously granted to any other party, except as otherwise provided by law.
12. Permittee shall include documentation which describes the facilities to be constructed. Permittee, its successors and assigns, agrees as a condition of the granting of the permit to construct and maintain any and all permitted facilities or other encroachments in strict accordance with the submitted and approved permit documentation and the policies and procedures of the Department. Permittee, its successors and assigns, shall not use facilities authorized herein in any manner contrary to that prescribed by the approved permit. Only normal usage as contemplated by the parties and by this application and routine maintenance are authorized by the permit.



Kentucky Transportation Cabinet
 Department of Highways
 Permits Branch

APPLICATION FOR ENCROACHMENT PERMIT

13. Permittee, its successors and assigns, at all times from the date permitted work is commenced until such time as all permitted facilities or other encroachments are removed from the right-of-way and the right-of-way restored, shall defend, protect, indemnify and save harmless the Department from any and all liability claims and demands arising out of the work, encroachment, maintenance, or other undertaking by the permittee, its successors and assigns, related or undertaken pursuant to the granted permit, due to any claimed act or omission by the permittee, its servants, agents, employees, or contractors. This provision shall not inure to the benefit of any third party nor operate to enlarge any liability of the Department beyond that existing at common law or otherwise if this right to indemnity did not exist.

14. Upon a violation of any provision of the permit, or otherwise in its reasonable discretion, the Department may require additional action by the permittee, its successors and assigns, up to and including the removal of the encroachment and restoration of the right-of-way. In the event additional actions required by the Department under the permit are not undertaken as ordered and within a reasonable time, the Department may in its discretion cause those or other additional corrective actions to be undertaken and the Department may and shall recover the reasonable costs of those corrective actions from the permittee, its successors and assigns.

15. Permittee, its successors and assigns, shall use the encroachment premises in compliance with all requirements of federal law and regulation, including those imposed pursuant to Title VI of the Civil Right Act of 1964 (42 U.S.C. § 2000d et seq.) and the related regulations of the U.S. Department of Transportation in Title 49 C.F.R. Part 21, all as amended.

16. Permittee, its successors and assigns, agree that if the Department determines it is necessary for the facilities or other encroachment authorized by the permit to be removed, relocated or reconstructed in connection with the reconstruction, relocation or improvement of a highway, the Department may revoke permission for the encroachment to remain under the permit and may order its removal, relocation or reconstruction by the permittee, its successors and assigns, at the expense of the permittee, except where the Department is required by law to pay any or all of those costs.

17. Permittee agrees that the authorized permit is personal to the permittee and shall remain in effect until such time as (a) the permittee's rights to the adjoining real property to have benefitted from the requested encroachment have been relinquished, (b) until all permit obligations have been assumed by appropriate successors and assigns, and (c) unless and until a written release from permit obligations has been granted by the Department. The permit and its requirements shall also bind the real property to have benefitted from the requested encroachment to the extent permitted by law. The permit and the related encroachment become the responsibility of the successors and assigns of the permittee and the successors and assigns of each property owner benefitting from the encroachment, or the encroachment may not otherwise permissibly continue to be maintained on the right-of-way. (Does not apply to utility encroachments serving the general public.)

18. If work authorized by the permit is within a highway construction project in the construction phase, it shall be the responsibility of the permittee to make personal contact with the Department's Engineer on the project in order to coordinate all permitted work with the Department's prime contractor on the project.

19. This permit is not intended to, nor shall it, affect, alter or alleviate any requirement imposed upon the permittee, its successors and assigns, by any other agency.

20. Permittee, its successors and assigns, agrees to contain and maintain all dirt, mud, and other debris emanating from the encroachment away from the surrounding right-of-way and the travel way of the highway hereafter and at all times that its obligations under the permit remain in effect.

THE UNDERSIGNED APPLICANT(S)/PERMITEE(S) (being duly authorized representative(s)/owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS SET FORTH HEREIN.

Signature (of Applicant/Permittee)	Date
<i>Steve Brasing</i>	7-24-12

This is not a permit unless and until the permittee(s) receive an approved TC 99-1(B) from the KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

Permit No. 06-2012-11288

I. SAFETY

A. General Provisions

- All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual.
- All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
- No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the Manual on Uniform Traffic Control Devices.
- When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between 8:00 am and 4:30 pm.
- The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
- No nonconstruction equipment or vehicles or office trailers shall be allowed on the right of way during working hours.
- The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.

B. Explosives

- No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.

C. Other Safety Requirements

- Any damaged or removed roadway signs must be replaced to KYTC standards

II. UTILITIES - Work on Fully Controlled Access Highways ONLY

- *All work necessary within the right of way shall be performed behind a temporary fence erected prior to a boring operation.
- *The temporary woven wire fence shall be removed immediately upon completion of work on the right of way, and the control of access immediately restored to original condition, in accordance with applicable Kentucky Department of Highways Standard Drawings.
- *All vents, valves, manholes, etc., shall be located outside of the right-of-way.
- *Encasement pipe shall extend from right-of-way line to right-of-way line and shall be one continuous run of pipe. The encasement pipe shall be welded at all joints.
- The boring pit and tail ditch shall extend past the existing toe of slope or bottom of ditch line and shall be a minimum of 42 inches deep.

Permit No. 06-2012-11288

II. UTILITIES (Continued)

- Encasement pipe shall conform to current standards for highway crossings in accordance with the Permits Manual.
- Parallel lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 30-inch cover above top of pipe or conduit.
- All pavement cuts shall be restored per Kentucky Transportation Cabinet form TC 99-13.
- Aerial crossing of this utility line shall have a minimum clearance of _____ feet from the high point of the roadway to the low point of the line (calculated at the coefficient for expansion of 120 degrees Fahrenheit).
- The 30-foot clear zone requirement shall be met to the extent possible in accordance with the Permits Manual.
- Special requirements:

Any damage to road pavement must be repaired to KYTC standards.

III. GENERAL

A. OSHA

- Kentucky Occupational Safety and Health Standards for the construction industry, which has the effect of law, states in part: (Page 52, 1926.651, Specific Excavation Requirements) "Prior to opening an excavation, effort shall be made to determine whether underground installations, (sewer, telephone, water, fuel, electric lines, etc.) will be encountered, and if so, where such underground installations are located. When the excavation approaches the estimated location of such an installation, the exact location shall be determined, and when it is uncovered, proper supports shall be provided for the existing installation. Utility companies shall be contacted and advised of proposed work prior to the start of actual excavation."

B. Archaeological

- Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis, which maintains an archaeologist on staff, or with the Office of the State Archaeologist located at the University of Kentucky. Following this consultation, further action shall be decided on a case-by-case basis by the State Highway Engineer or the Transportation Planning Engineer or their designated representative.

C. Utilities in the Work Areas

- The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility, shall be at the expense of the permittee and subject to the approval of the Department.
- All existing manholes and valve boxes shall be adjusted to be flush with finished grade.

D. Environmental

- If the activity to which this permit relates disturbs one acre or more of land, you must obtain a KPDES KYR10 permit.

Websites

<http://www.water.ky.gov/permitting/wastewaterpermitting/KPDES/storm/>

Inspectors for KPDES KYR10 at www.KEPSC.org

Permit No. 06-2012-11288

VI. Paving

- No bituminous pavement shall be installed within the right of way between November 15 and April 1, nor when the temperature is below 40 degrees Farenheit, without the express consent of the Department. No bituminous pavement shall be installed when the underlying course is wet.
- Paving within the right of way shall be as follows:
 - Base (Type) _____ (Thickness) _____
 - Surface Base (Type) _____ (Thickness) _____
 - Finished Surface (Type) _____ (Thickness) _____
- Existing pavement and shoulder material shall be removed to accomodate the above paving specifications.
- The finished surface of all new pavement within the right of way shall be true to the required slope and grade, uniform in density and texture, free of irregularities, and equivalent in riding qualities to the adjacent highway pavement or as determined by the Department of Highways.
- All materials and methods of construction, including base and subgrade preparation, shall be in accordance with Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).
- 24 hours notice to the Department is required prior to beginning paving operations.
Phone: 859-341-2700 Name: Ed Thompson
- To ensure proper surface drainage, the new pavement shall be flush with the edge of existing highway pavement and shall slope away from the existing edge of the pavement as specified in drawings.
- Existing edge of pavement shall be saw-cut to provide a straight and uniform joint for new pavement. An approved joint sealer, in accordance with Kentucky Department of Highways Standard Specifications (latest edition), shall be applied between new and existing pavements.

VII. SIDEWALKS SPECIFICATIONS This dimension should be equal to the width of the sidewalk.

- A. New Sidewalks**
 - Sidewalks shall be constructed of Class A concrete (3,500 p.s.i. test), shall be *_____ feet in width, 6 inches in thickness across the bituminous entrance, and 4 inches in thickness across the remaining sections.
 - Sidewalks shall have tooled joints not less than 1 inch in depth at four foot intervals*, and 1/2 premolded expansion joints extending entirely through the sidewalk at intervals not to exceed 50 feet.
 - All materials and methods of construction, including curing, shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).
- B. Existing Sidewalks**
 - (Applicable if existing sidewalks are being relocated) Use of the sidewalk shall not be blocked or obstructed, and a usable walkway shall be maintained across the construction area at all times.
 - All damaged sections of the sidewalks shall be entirely replaced to match existing sections.

IMPORTANT NOTICE

Federal law requires that traffic control shall be implemented in accordance with MUTCD Standards and KYTC Specifications under the supervision of a Work Zone Traffic Control Supervisor.

A Work Zone Traffic Control Technician shall be available on the jobsite to ensure that the work zone is in compliance with the applicable standards.

If any questions, please contact Caroline Justice at (859) 341-2700.

IMPORTANT NOTICE

Federal law requires that High
Visibility Class 2 or Class 3
retroreflective safety apparel that
meets ANSI/ISEA 107-2004
Standards shall be worn at all times
by anyone working within the KYTC
R/W limits.

Class 3 apparel is required for
flaggers after dark.

If any questions, please contact Caroline
Justice at (859) 341-2700.

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

BID INFORMATION AND BOARD MEETING MINUTES

Bid Tabulation

Engineer's Recommendation of Award

Board Meeting Minutes

Case No. 2013-____
Exhibit C

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Bid Tabulation

SUB-DISTRICT H - PHASE 5 BID TAB

TOTAL ALL PROJECTS	SMITH AND BROWN CONTRACTORS, INC.	GM PIPELINE	HARTMAN & SMITH CONSTRUCTION	JACK GEMMER & SONS, INC	LONKARD CONSTRUCTION COMPANY
DECRPTION	TOTAL COST	TOTAL COST	TOTAL COST	TOTAL COST	TOTAL COST
POND CREEK	\$ 227,263.00	\$ 311,465.20	\$ 326,755.00	\$ 269,798.00	\$ 297,265.50
LOW GAP ROAD	\$ 50,758.00	\$ 53,640.90	\$ 59,943.00	\$ 53,600.00	\$ 59,785.00
MYSTIC ROSE	\$ 192,814.00	\$ 199,354.00	\$ 196,160.00	\$ 214,482.00	\$ 213,355.00
WASHINGTON TRACE	\$ 142,880.00	\$ 149,216.45	\$ 150,195.00	\$ 137,435.00	\$ 189,055.00
DANIELS ROAD	\$ 206,005.00	\$ 206,038.40	\$ 210,777.00	\$ 277,199.00	\$ 283,080.00
TOTAL FOR ALL BID SHEETS	\$ 819,720.00	\$ 919,714.95	\$ 943,830.00	\$ 952,514.00	\$ 1,042,540.50

SUB-DISTRICT H - PHASE 5 BID TAB

DANIELS ROAD		SMITH AND BROWN CONTRACTORS, INC.		GM PIPELINE		HARTMAN & SMITH CONSTRUCTION		JACK GEMMER & SONS, INC		LONKARD CONSTRUCTION COMPANY	
DESCRIPTION	ESTIMATED QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.03 C-900 Poly Vinyl Chloride 8"	4626 LF	\$ 37.50	\$ 173,475.00	\$ 39.35	\$ 182,033.10	\$ 37.00	\$ 171,162.00	\$ 53.00	\$ 245,178.00	\$ 55.00	\$ 254,430.00
7.01 Connect to Existing Main/Tie-In 8"	1 EA	\$ 1,700.00	\$ 1,700.00	\$ 1,500.00	\$ 1,500.00	\$ 4,200.00	\$ 4,200.00	\$ 1,400.00	\$ 1,400.00	\$ 1,200.00	\$ 1,200.00
8.01 Fire Hydrant Assembly	4 EA	\$ 3,000.00	\$ 12,000.00	\$ 2,900.00	\$ 11,600.00	\$ 3,800.00	\$ 15,200.00	\$ 3,400.00	\$ 13,600.00	\$ 3,400.00	\$ 13,600.00
9.01 Ductile Iron Resilient Seated Gate Valve 8"	4 EA	\$ 1,100.00	\$ 4,400.00	\$ 950.00	\$ 3,800.00	\$ 1,200.00	\$ 4,800.00	\$ 1,100.00	\$ 4,400.00	\$ 1,150.00	\$ 4,600.00
11.04 Plug and Block 8"	2 EA	\$ 185.00	\$ 370.00	\$ 100.00	\$ 200.00	\$ 1,500.00	\$ 3,000.00	\$ 350.00	\$ 700.00	\$ 300.00	\$ 600.00
11.05 Air Release Valve	3 EA	\$ 350.00	\$ 1,050.00	\$ 750.00	\$ 2,250.00	\$ 850.00	\$ 2,550.00	\$ 300.00	\$ 900.00	\$ 500.00	\$ 1,500.00
11.06 Anchoring Tee and Block 8"x8"x6"	4 EA	\$ 400.00	\$ 1,600.00	\$ 300.00	\$ 1,200.00	\$ 350.00	\$ 1,400.00	\$ 350.00	\$ 1,400.00	\$ 300.00	\$ 1,200.00
11.07 Ductile Iron Tee and Block 8"x8"x8"	1 EA	\$ 480.00	\$ 480.00	\$ 300.00	\$ 300.00	\$ 575.00	\$ 575.00	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00
12.06 Asphaltic Concrete	30 SY	\$ 120.00	\$ 3,600.00	\$ 0.01	\$ 0.30	\$ 52.00	\$ 1,560.00	\$ 65.00	\$ 1,950.00	\$ 60.00	\$ 1,800.00
12.10 Concrete Driveway	15 SY	\$ 60.00	\$ 900.00	\$ 67.00	\$ 1,005.00	\$ 135.00	\$ 2,025.00	\$ 55.00	\$ 825.00	\$ 60.00	\$ 900.00
12.13 Gravel Driveway/Parking Area	130 SY	\$ 11.00	\$ 1,430.00	\$ 5.00	\$ 650.00	\$ 8.50	\$ 1,105.00	\$ 14.00	\$ 1,820.00	\$ 15.00	\$ 1,950.00
12.14 Best Management Practice	1 LS	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 3,200.00	\$ 3,200.00	\$ 4,626.00	\$ 4,626.00	\$ 1,000.00	\$ 1,000.00
POND CREEK TOTAL BID			\$ 206,005.00		\$ 206,038.40		\$ 210,777.00		\$ 277,199.00		\$ 283,080.00

SUB-DISTRICT H - PHASE 5 BID TAB

LOW GAP ROAD		SMITH AND BROWN CONTRACTORS, INC.		GM PIPELINE		HARTMAN & SMITH CONSTRUCTION		JACK GEMMER & SONS, INC		LONKARD CONSTRUCTION COMPANY	
DESCRIPTION	ESTIMATED QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.01 Class 50 Ductile Iron Pipe 8"	487 LF	\$ 55.00	\$ 26,785.00	\$ 59.30	\$ 28,879.10	\$ 60.00	\$ 29,220.00	\$ 59.00	\$ 28,733.00	\$ 65.00	\$ 31,655.00
6.02 B Class 50 Ductile Iron Pipe 8" - Restrained Joint	226 LF	\$ 58.00	\$ 13,108.00	\$ 69.30	\$ 15,661.80	\$ 68.00	\$ 15,368.00	\$ 70.00	\$ 15,820.00	\$ 80.00	\$ 18,080.00
7.01 Connect to Existing Main/Tie-In 8"	1 EA	\$ 1,700.00	\$ 1,700.00	\$ 2,000.00	\$ 2,000.00	\$ 4,200.00	\$ 4,200.00	\$ 900.00	\$ 900.00	\$ 1,200.00	\$ 1,200.00
11.10 Flushing Device	1 EA	\$ 2,000.00	\$ 2,000.00	\$ 750.00	\$ 750.00	\$ 1,200.00	\$ 1,200.00	\$ 400.00	\$ 400.00	\$ 1,000.00	\$ 1,000.00
8.01 Fire Hydrant Assembly	1 EA	\$ 3,100.00	\$ 3,100.00	\$ 2,900.00	\$ 2,900.00	\$ 3,800.00	\$ 3,800.00	\$ 3,600.00	\$ 3,600.00	\$ 3,500.00	\$ 3,500.00
9.01 Ductile Iron Resilient Seated Gate Valve 8"	2 EA	\$ 1,100.00	\$ 2,200.00	\$ 950.00	\$ 1,900.00	\$ 1,200.00	\$ 2,400.00	\$ 1,100.00	\$ 2,200.00	\$ 1,150.00	\$ 2,300.00
11.04 Plug and Block 8"	1 EA	\$ 185.00	\$ 185.00	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00
11.05 Air Release Valve	1 EA	\$ 350.00	\$ 350.00	\$ 750.00	\$ 750.00	\$ 850.00	\$ 850.00	\$ 350.00	\$ 350.00	\$ 800.00	\$ 800.00
11.06 Anchoring Tee and Block 8"x8"x6"	1 EA	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 300.00	\$ 300.00
12.13 Gravel Driveway/Parking Area	30 SY	\$ 11.00	\$ 330.00	\$ 5.00	\$ 150.00	\$ 8.50	\$ 255.00	\$ 12.00	\$ 360.00	\$ 15.00	\$ 450.00
12.14 Best Management Practice	1 LS	\$ 600.00	\$ 600.00	\$ 250.00	\$ 250.00	\$ 800.00	\$ 800.00	\$ 487.00	\$ 487.00	\$ 200.00	\$ 200.00
POND CREEK TOTAL BID			\$ 50,758.00		\$ 53,640.90		\$ 59,943.00		\$ 53,600.00		\$ 59,785.00

SUB-DISTRICT H - PHASE 5 BID TAB

MYSTIC ROSE		SMITH AND BROWN CONTRACTORS, INC.		GM PIPELINE		HARTMAN & SMITH CONSTRUCTION		JACK GEMMER & SONS, INC		LONKARD CONSTRUCTION COMPANY	
DESCRIPTION	ESTIMATED QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.01 Class 50 Ductile Iron Pipe 8"	1552 LF	\$ 62.00	\$ 96,224.00	\$ 68.00	\$ 105,536.00	\$ 56.00	\$ 86,912.00	\$ 59.00	\$ 91,568.00	\$ 69.00	\$ 107,088.00
6.02 B Class 50 Ductile Iron Pipe 8" - Restrained Joint	108 LF	\$ 64.00	\$ 6,912.00	\$ 83.00	\$ 8,964.00	\$ 64.00	\$ 6,912.00	\$ 70.00	\$ 7,560.00	\$ 90.00	\$ 9,720.00
6.03 C-900 Poly Vinyl Chloride 8"	1052 LF	\$ 53.00	\$ 55,756.00	\$ 52.00	\$ 54,704.00	\$ 43.00	\$ 45,236.00	\$ 52.00	\$ 54,704.00	\$ 61.00	\$ 64,172.00
7.01 Connect to Existing Main/Tie-In 8"	1 EA	\$ 1,700.00	\$ 1,700.00	\$ 1,500.00	\$ 1,500.00	\$ 4,200.00	\$ 4,200.00	\$ 900.00	\$ 900.00	\$ 1,200.00	\$ 1,200.00
8.01 Fire Hydrant Assembly	3 EA	\$ 3,100.00	\$ 9,300.00	\$ 2,900.00	\$ 8,700.00	\$ 3,800.00	\$ 11,400.00	\$ 3,400.00	\$ 10,200.00	\$ 3,300.00	\$ 9,900.00
9.01 Ductile Iron Resilient Seated Gate Valve 8"	4 EA	\$ 1,100.00	\$ 4,400.00	\$ 950.00	\$ 3,800.00	\$ 1,200.00	\$ 4,800.00	\$ 1,100.00	\$ 4,400.00	\$ 1,150.00	\$ 4,600.00
11.04 Plug and Block 8"	2 EA	\$ 185.00	\$ 370.00	\$ 100.00	\$ 200.00	\$ 1,500.00	\$ 3,000.00	\$ 350.00	\$ 700.00	\$ 300.00	\$ 600.00
11.05 Air Release Valve	1 EA	\$ 350.00	\$ 350.00	\$ 750.00	\$ 750.00	\$ 850.00	\$ 850.00	\$ 250.00	\$ 250.00	\$ 500.00	\$ 500.00
11.06 Anchoring Tee and Block 8"x8"x6"	3 EA	\$ 400.00	\$ 1,200.00	\$ 300.00	\$ 900.00	\$ 350.00	\$ 1,050.00	\$ 350.00	\$ 1,050.00	\$ 300.00	\$ 900.00
11.07 Ductile Iron Tee and Block 8"x8"x8"	1 EA	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00	\$ 575.00	\$ 575.00	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00
12.06 Asphaltic Concrete	750 SY	\$ 18.50	\$ 13,875.00	\$ 18.00	\$ 13,500.00	\$ 39.50	\$ 29,625.00	\$ 55.00	\$ 41,250.00	\$ 18.50	\$ 13,875.00
12.14 Best Management Practice	1 LS	\$ 2,327.00	\$ 2,327.00	\$ 500.00	\$ 500.00	\$ 1,600.00	\$ 1,600.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00
POND CREEK TOTAL BID			\$ 192,814.00		\$ 199,354.00		\$ 196,160.00		\$ 214,482.00		\$ 213,355.00

SUB-DISTRICT H - PHASE 5 BID TAB

POND CREEK		SMITH AND BROWN CONTRACTORS, INC.		GM PIPELINE		HARTMAN & SMITH CONSTRUCTION		JACK GEMMER & SONS, INC		LONKARD CONSTRUCTION COMPANY	
DESCRIPTION	ESTIMATED QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.01 Class 50 Ductile Iron Pipe 8"	3342 LF	\$ 46.00	\$ 153,732.00	\$ 72.10	\$ 240,958.20	\$ 61.00	\$ 203,862.00	\$ 56.00	\$ 187,152.00	\$ 65.00	\$ 217,230.00
6.01 Class 50 Ductile Iron Pipe 12"	383 LF	\$ 71.00	\$ 27,193.00	\$ 74.00	\$ 28,342.00	\$ 135.00	\$ 51,705.00	\$ 76.00	\$ 29,108.00	\$ 78.50	\$ 30,065.50
7.02 Tapping Sleeve 12" & Valve 12"	1 EA	\$ 4,700.00	\$ 4,700.00	\$ 7,000.00	\$ 7,000.00	\$ 11,950.00	\$ 11,950.00	\$ 5,200.00	\$ 5,200.00	\$ 7,000.00	\$ 7,000.00
8.01 Fire Hydrant Assembly	4 EA	\$ 3,100.00	\$ 12,400.00	\$ 3,000.00	\$ 12,000.00	\$ 3,800.00	\$ 15,200.00	\$ 3,400.00	\$ 13,600.00	\$ 3,400.00	\$ 13,600.00
9.01 Ductile Iron Resilient Seated Gate Valve 8"	2 EA	\$ 1,100.00	\$ 2,200.00	\$ 950.00	\$ 1,900.00	\$ 1,200.00	\$ 2,400.00	\$ 1,100.00	\$ 2,200.00	\$ 1,150.00	\$ 2,300.00
9.01 Ductile Iron Resilient Seated Gate Valve 12"	2 EA	\$ 1,900.00	\$ 3,800.00	\$ 1,800.00	\$ 3,600.00	\$ 2,300.00	\$ 4,600.00	\$ 2,500.00	\$ 5,000.00	\$ 2,100.00	\$ 4,200.00
11.04 Plug and Block 8"	1 EA	\$ 185.00	\$ 185.00	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00	\$ 350.00	\$ 350.00	\$ 300.00	\$ 300.00
11.09 Reducer 12" x 8"	1 EA	\$ 215.00	\$ 215.00	\$ 150.00	\$ 150.00	\$ 195.00	\$ 195.00	\$ 450.00	\$ 450.00	\$ 300.00	\$ 300.00
11.05 Air Release Valve	4 EA	\$ 350.00	\$ 1,400.00	\$ 750.00	\$ 3,000.00	\$ 850.00	\$ 3,400.00	\$ 300.00	\$ 1,200.00	\$ 500.00	\$ 2,000.00
11.06 Anchoring Tee and Block 8"x8"x6"	4 EA	\$ 400.00	\$ 1,600.00	\$ 200.00	\$ 800.00	\$ 350.00	\$ 1,400.00	\$ 325.00	\$ 1,300.00	\$ 300.00	\$ 1,200.00
11.06 Anchoring Tee and Block 12"x12"x12"	1 EA	\$ 800.00	\$ 800.00	\$ 400.00	\$ 400.00	\$ 950.00	\$ 950.00	\$ 600.00	\$ 600.00	\$ 950.00	\$ 950.00
12.10 Concrete Driveway	25 SY	\$ 60.00	\$ 1,500.00	\$ 67.00	\$ 1,675.00	\$ 135.00	\$ 3,375.00	\$ 60.00	\$ 1,500.00	\$ 60.00	\$ 1,500.00
12.13 Gravel Driveway/Parking Area	108 SY	\$ 11.00	\$ 1,188.00	\$ 5.00	\$ 540.00	\$ 8.50	\$ 918.00	\$ 12.00	\$ 1,296.00	\$ 15.00	\$ 1,620.00
12.14 Best Management Practice	1 LS	\$ 2,600.00	\$ 2,600.00	\$ 1,000.00	\$ 1,000.00	\$ 2,800.00	\$ 2,800.00	\$ 3,342.00	\$ 3,342.00	\$ 1,000.00	\$ 1,000.00
6.04 Casing Pipe 18" ID	50 LF	\$ 275.00	\$ 13,750.00	\$ 200.00	\$ 10,000.00	\$ 450.00	\$ 22,500.00	\$ 350.00	\$ 17,500.00	\$ 280.00	\$ 14,000.00
POND CREEK TOTAL BID			\$ 227,263.00		\$ 311,465.20		\$ 326,755.00		\$ 269,798.00		\$ 297,265.50

SUB-DISTRICT H - PHASE 5 BID TAB

WASHINGTON TRACE		SMITH AND BROWN CONTRACTORS, INC.		GM PIPELINE		HARTMAN & SMITH CONSTRUCTION		JACK GEMMER & SONS, INC		LONKARD CONSTRUCTION COMPANY	
DESCRIPTION	ESTIMATED QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.01 Class 50 Ductile Iron Pipe 8"	2330 LF	\$ 54.00	\$ 125,820.00	\$ 60.20	\$ 140,266.00	\$ 56.00	\$ 130,480.00	\$ 54.00	\$ 125,820.00	\$ 76.00	\$ 177,080.00
7.01 Connect to Existing Main/Tie-In 4"	1 EA	\$ 1,300.00	\$ 1,300.00	\$ 2,000.00	\$ 2,000.00	\$ 4,200.00	\$ 4,200.00	\$ 900.00	\$ 900.00	\$ 1,700.00	\$ 1,700.00
11.05 Air Release Valve	1 EA	\$ 350.00	\$ 350.00	\$ 750.00	\$ 750.00	\$ 850.00	\$ 850.00	\$ 300.00	\$ 300.00	\$ 500.00	\$ 500.00
9.01 Ductile Iron Resilient Seated Gate Valve 6"	1 EA	\$ 780.00	\$ 780.00	\$ 750.00	\$ 750.00	\$ 750.00	\$ 750.00	\$ 850.00	\$ 850.00	\$ 950.00	\$ 950.00
9.01 Ductile Iron Resilient Seated Gate Valve 8"	3 EA	\$ 1,100.00	\$ 3,300.00	\$ 950.00	\$ 2,850.00	\$ 1,200.00	\$ 3,600.00	\$ 1,000.00	\$ 3,000.00	\$ 1,150.00	\$ 3,450.00
11.04 Plug and Block 8"	2 EA	\$ 185.00	\$ 370.00	\$ 100.00	\$ 200.00	\$ 1,500.00	\$ 3,000.00	\$ 250.00	\$ 500.00	\$ 300.00	\$ 600.00
11.06 Anchoring Tee and Block 8"x8"x6"	1 EA	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 300.00	\$ 300.00
11.06 Anchoring Tee and Block 8"x8"x8"	1 EA	\$ 480.00	\$ 480.00	\$ 300.00	\$ 300.00	\$ 575.00	\$ 575.00	\$ 400.00	\$ 400.00	\$ 300.00	\$ 300.00
11.09 Reducer 8"x4"	1 EA	\$ 175.00	\$ 175.00	\$ 150.00	\$ 150.00	\$ 195.00	\$ 195.00	\$ 225.00	\$ 225.00	\$ 250.00	\$ 250.00
11.10 Flushing Device	1 EA	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 1,200.00	\$ 1,200.00	\$ 300.00	\$ 300.00	\$ 800.00	\$ 800.00
12.06 Asphaltic Concrete Driveway	30 SY	\$ 120.00	\$ 3,600.00	\$ 0.01	\$ 0.30	\$ 52.00	\$ 1,560.00	\$ 45.00	\$ 1,350.00	\$ 55.00	\$ 1,650.00
12.07 Asphaltic Concrete Driveway	15 SY	\$ 65.00	\$ 975.00	\$ 0.01	\$ 0.15	\$ 52.00	\$ 780.00	\$ 50.00	\$ 750.00	\$ 35.00	\$ 525.00
12.13 Gravel Driveway/Parking Area	30 SY	\$ 11.00	\$ 330.00	\$ 5.00	\$ 150.00	\$ 8.50	\$ 255.00	\$ 12.00	\$ 360.00	\$ 15.00	\$ 450.00
12.14 Best Management Practice	1 LS	\$ 3,000.00	\$ 3,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,400.00	\$ 2,400.00	\$ 2,330.00	\$ 2,330.00	\$ 500.00	\$ 500.00
POND CREEK TOTAL BID			\$ 142,880.00		\$ 149,216.45		\$ 150,195.00		\$ 137,435.00		\$ 189,055.00

Case No. 2013-____
Exhibit C

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Engineer's Recommendation of Award

May 3, 2013

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

RE: Sub-District H – Phase 5

Dear John,

I have reviewed the bids on the Sub-District H, Phase 5 project and found no errors in the bids. As announced at the Bid Opening, Smith's and Brown Inc. was the low bidder with a bid of \$819,720.00. The Original Engineer's Cost Opinion was \$697,512.10 and the revised Cost Opinion including work on all the Addendums was \$741,861.10. Attached are copies of Original Cost Opinion and the Revised Cost Opinion with the additional quantities.

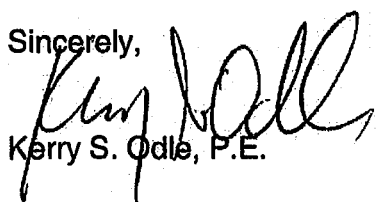
In review of the Engineer Estimate as compared to the low bid, I found that both the PVC and ductile iron pipe had a price increase of approximately 10% within one month to six weeks of the bid advertisement. Also, I feel that we did not allow enough for the mobilization cost to each of the separate water line sites.

In review of the bidders, I noticed no bidder was from Kentucky outside of the three Northern Kentucky Countries. In my work with Bullock Pen Water District since 1988, I have never had a low bidder on a project from Indiana or Ohio. The Indiana or Ohio bidders were always the higher bids on a project. One plan holder from Morehead, Kentucky had planned on bidding on the project but was low bidder on another project, a week before the Bid Opening. Another plan holder said there were several projects being bid that week and since he had not been successful in the past, he concentrated on other projects to bid.

Based on the bids received, I would recommend that the project be awarded to Smith's Brown Inc. at a bid price of \$819,720.00.

If you have any questions or need additional information, please feel free to contact me.

Sincerely,


Kerry S. Odle, P.E.

attachment
c: file w/a

CMW inc.

ARCHITECTURE ENGINEERING INTERIOR DESIGN LANDSCAPE ARCHITECTURE

400 East Vine Street, Suite 400, Lexington, KY 40507 859.254.6623 Fax 859.259.1877
www.cmwaec.com

Case No. 2013-____
Exhibit C

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Board Meeting Minutes

**Northern Kentucky Water District
Board of Commissioners Meeting
May 16, 2013**

A regular meeting of the Board of Commissioners of the Northern Kentucky Water District was held on April 18, 2013 at the District's facility located at 2835 Crescent Springs Road in Erlanger, Kentucky. All Commissioners were present, except Commissioner Collins. Also present were Ron Lovan, Jack Bragg, Richard Harrison, Amy Kramer, Don Gibson, Gary Long, Jim Dierig, Brian Dunham, and Stephanie Allgeyer of VonLehman & Co.

Commissioner _____ called the meeting to order at 12:34 p.m., and Don Gibson led the pledge of allegiance.

The Commissioners reviewed correspondence received and articles published since the last regular Board meeting on February 21, 2013.

On motion of Commissioner Spaulding, seconded by Commissioner Sommerkamp, the Commissioners unanimously approved the minutes for the regular board meeting held on April 18, 2013.

The Board was provided a copy of the District's check registers, which included the check number, check date, payee, check amount and description of the reason for each payment, detailing the District's expenditures for the period April 1, 2013 through April 29, 2013. On motion of Commissioner Cunningham, seconded by Commissioner Wagner, and after discussion, the Commissioners unanimously approved the expenditures of the District for the month of April 2013.

On motion of Commissioner Sommerkamp, seconded by Commissioner Spaulding, the Commissioners unanimously approved the District's acceptance of the proposal by and awarding a contract to Viox & Viox for the Wesley Drive and Three Mile Road Interconnect Project, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Macke, seconded by Commissioner Cunningham, the Commissioners unanimously approved the District's acceptance of the proposal by and awarding a contract to Arcadis for the Taylor Mill Treatment Plant Electrical and Basin Improvements Project, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Macke, seconded by Commissioner Sommerkamp, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to Glenwood Electric for the Waterworks Rd. Pump Station and U.S. 27 Pump Station VFD replacement project with a total project budget of \$160,000.00, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Cunningham, seconded by Commissioner Spaulding, the Commissioners unanimously approved the District's acceptance of the conventional bids by

several companies for the supply of water treatment chemicals, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Sommerkamp, seconded by Commissioner Cunningham, the Commissioners unanimously approved the District's acceptance of the reverse auction bids by several companies for the supply of water treatment chemicals, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Spaulding, seconded by Commissioner Macke, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to J. K. Meurer Corp. for the 2013 Asphalt Restoration Milling and Paving, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Spaulding, seconded by Commissioner Sommerkamp, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to Jack Gemmer & Sons, Inc. for the Broadview Place Water Main Replacement Project with a budget of \$165,000.00, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Cunningham, seconded by Commissioner Macke, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to Jack Gemmer & Sons, Inc. for the Columbia, Prospect & E. 2nd Street Water Main Replacement Project with a budget of \$200,000.00, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Spaulding, seconded by Commissioner Cunningham, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to Branham Excavating for the Morris Place and Glazier Road Water Main Replacement Project with a budget of \$135,000.00, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Macke, seconded by Commissioner Sommerkamp, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to Rose Excavating & Development, Inc. for the Pleasant Ridge Avenue Water Main Replacement Project with a budget of \$165,000.00, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Spaulding, seconded by Commissioner Cunningham, the Commissioners unanimously approved the District's acceptance of the bid by and awarding a contract to Smith & Brown Contractors, Inc. for the Sub-District H Phase 5 Water Main Extension Project with a budget of \$4,278.931.00, and authorized staff to execute the appropriate contract documents.

On motion of Commissioner Cunningham, seconded by Commissioner Sommerkamp, the Commissioners unanimously approved the Board's execution of the Resolution for Interlocal

Agreement and staff execution of the Interlocal Agreement including any Attorney General required revisions to the Agreement.

The Commissioners reviewed the District's financial reports and Department reports. As part of his report, Mr. Harrison reviewed with the Commissioners the status of on-going projects within the 2013 5-Year Capital Budget, including highlighting change orders and expenses incurred to date.

The Commissioners discussed the functionality of the information lines on the website and how they go to staff or board members. If an information line gets sent to the Board, it will go straight to the Chairman.

Other matters of a general nature were discussed.

There being no further business to come before the Board, on motion of Commissioner Sommerkamp, seconded by Commissioner Spaulding, unanimously adjourned the meeting at 2:08 p.m.

CHAIRMAN

SECRETARY

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

PROJECT FINANCE INFORMATION

Customers Added and Revenue Effect

Debt Issuance and Source of Debt

Additional Costs for Operating and Maintenance

USoA Plant Account

Depreciation Cost and Debt Service After Construction

Northern Kentucky Water District

Customers Added and Revenue Effect: There will be 53 additional potential new customers added and a revenue effect of \$29,770.24 a year as a result of the Sub-District H Phase 5 Water Main Extension Project. The total net revenue effect for entire Sub-District H Project (all phases) is \$173,003.60 per year for 308 total potential customers.

Debt Issuance and Source of Debt: The project grant funding was finalized with the approval of the 2010 State of Kentucky Budget in the Infrastructure for Economic Development Fund for Non-coal Producing Counties HB608 in the amount of \$2,950,000.00. Campbell County Fiscal Court has also contributed \$25,000.00 to this project. The remainder of the project cost will be funded by the Northern Kentucky Water District Contribution of \$250,000.00 a hydraulic contribution \$120,089.00, and a customer contribution of \$933,842.00. The customer contribution will be paid back through a maximum monthly surcharge of \$30.00 on the customer's water bill. The Northern Kentucky Water District's contribution, the hydraulic contribution and the customer surcharge was initially funded through a Bond Anticipation Notice in the year 2011. This project has a total budget of \$4,278,931.00, which includes construction cost, engineering, materials, and contingencies. A summary of the project costs is provided below:

○ Design Engineering	\$154,477.00
○ Geo Technical Engineering	\$29,823.00
○ Geotechnical Inspection	\$11,586.00
○ KIA Cost	\$14,750.00
○ Legal	\$5,000.00
○ Contractor's Bids	
● Phase I-IV	\$2,967,372.00
● Phase V	\$819,720.00
○ Future Phases & Contingencies	\$276,204.00
Total Project Cost	\$4,278,931.00

The project will be funded through Bond Anticipation Notice in the year 2011.

Additional Costs and O&M: N/A

Depreciation and Debt Service: Annual depreciation and debt service after construction are as follows:

Depreciation for the first four phases: \$68,462.90/year over 62.5 years for Account 331 Transmission and Distribution Mains

Debt Service: See attached sheets for Surcharge amount and total Bond Anticipation Notice

**NORTHERN KENTUCKY
WATER DISTRICT**

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

Debt service for the Surcharge Amount

Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

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Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

Sources & Uses

Dated 12/01/2010 | Delivered 12/01/2010

Sources Of Funds

Par Amount of Bonds	\$1,750,000.00
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Total Sources

\$1,750,000.00

Uses Of Funds

Total Underwriter's Discount (1.000%)	17,500.00
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Costs of Issuance	17,500.00
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Deposit to Debt Service Reserve Fund (DSRF)	134,115.00
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Deposit to Project Construction Fund	1,580,860.00
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Rounding Amount	25.00
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Total Uses

\$1,750,000.00

Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

Pricing Summary

Part 1 of 2

Maturity	Type of Bond	Coupon	Yield	Maturity Value	Price	Dollar Price
02/01/2012	Serial Coupon	1.500%	1.500%	55,000.00	100.000%	55,000.00
02/01/2013	Serial Coupon	1.650%	1.650%	55,000.00	100.000%	55,000.00
02/01/2014	Serial Coupon	2.050%	2.050%	55,000.00	100.000%	55,000.00
02/01/2015	Serial Coupon	2.350%	2.350%	55,000.00	100.000%	55,000.00
02/01/2016	Serial Coupon	2.600%	2.600%	55,000.00	100.000%	55,000.00
02/01/2017	Serial Coupon	3.000%	3.000%	60,000.00	100.000%	60,000.00
02/01/2018	Serial Coupon	3.400%	3.400%	60,000.00	100.000%	60,000.00
02/01/2019	Serial Coupon	3.700%	3.700%	60,000.00	100.000%	60,000.00
02/01/2020	Serial Coupon	4.100%	4.100%	65,000.00	100.000%	65,000.00
02/01/2021	Serial Coupon	4.300%	4.300%	65,000.00	100.000%	65,000.00
02/01/2022	Serial Coupon	4.500%	4.500%	65,000.00	100.000%	65,000.00
02/01/2023	Serial Coupon	4.650%	4.650%	70,000.00	100.000%	70,000.00
02/01/2024	Serial Coupon	4.750%	4.750%	70,000.00	100.000%	70,000.00
02/01/2025	Serial Coupon	4.850%	4.850%	75,000.00	100.000%	75,000.00
02/01/2026	Serial Coupon	5.000%	5.000%	75,000.00	100.000%	75,000.00
02/01/2027	Serial Coupon	5.100%	5.100%	80,000.00	100.000%	80,000.00
02/01/2028	Serial Coupon	5.250%	5.250%	80,000.00	100.000%	80,000.00
02/01/2029	Serial Coupon	5.400%	5.400%	85,000.00	100.000%	85,000.00
02/01/2030	Serial Coupon	5.500%	5.500%	85,000.00	100.000%	85,000.00
02/01/2031	Serial Coupon	5.600%	5.600%	90,000.00	100.000%	90,000.00
02/01/2032	Serial Coupon	5.700%	5.700%	90,000.00	100.000%	90,000.00
02/01/2033	Serial Coupon	5.750%	5.750%	95,000.00	100.000%	95,000.00
02/01/2034	Serial Coupon	5.800%	5.800%	100,000.00	100.000%	100,000.00
02/01/2035	Serial Coupon	5.850%	5.850%	105,000.00	100.000%	105,000.00
Total	-	-	-	\$1,750,000.00	-	\$1,750,000.00

2010 Taxable BAB-SUB Dist | SINGLE PURPOSE | 10/20/2010 | 4:35 PM

Ross, Sinclair & Associates, LLC
Public Finance - KBrock

Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

Pricing Summary

Part 2 of 2

Bid Information

Par Amount of Bonds	\$1,750,000.00
Gross Production	\$1,750,000.00
Total Underwriter's Discount (1.000%)	\$(17,500.00)
Bid (99.000%)	1,732,500.00
Total Purchase Price	\$1,732,500.00
Bond Year Dollars	\$24,636.67
Average Life	14.078 Years
Average Coupon	3.3390582%
Net Interest Cost (NIC)	3.4100905%
True Interest Cost (TIC)	3.3865013%

Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

Net Debt Service Schedule

Part 2 of 2

Date	Principal	Coupon	Interest	Federal Pmt.	Total P+I	DSR	Net New D/S
08/01/2024	-	-	26,253.75	(9,188.81)	17,064.94	-	17,064.94
02/01/2025	75,000.00	4.850%	26,253.75	(9,188.81)	92,064.94	-	92,064.94
08/01/2025	-	-	24,435.00	(8,552.25)	15,882.75	-	15,882.75
02/01/2026	75,000.00	5.000%	24,435.00	(8,552.25)	90,882.75	-	90,882.75
08/01/2026	-	-	22,560.00	(7,896.00)	14,664.00	-	14,664.00
02/01/2027	80,000.00	5.100%	22,560.00	(7,896.00)	94,664.00	-	94,664.00
08/01/2027	-	-	20,520.00	(7,182.00)	13,338.00	-	13,338.00
02/01/2028	80,000.00	5.250%	20,520.00	(7,182.00)	93,338.00	-	93,338.00
08/01/2028	-	-	18,420.00	(6,447.00)	11,973.00	-	11,973.00
02/01/2029	85,000.00	5.400%	18,420.00	(6,447.00)	96,973.00	-	96,973.00
08/01/2029	-	-	16,125.00	(5,643.75)	10,481.25	-	10,481.25
02/01/2030	85,000.00	5.500%	16,125.00	(5,643.75)	95,481.25	-	95,481.25
08/01/2030	-	-	13,787.50	(4,825.62)	8,961.88	-	8,961.88
02/01/2031	90,000.00	5.600%	13,787.50	(4,825.62)	98,961.88	-	98,961.88
08/01/2031	-	-	11,267.50	(3,943.62)	7,323.88	-	7,323.88
02/01/2032	90,000.00	5.700%	11,267.50	(3,943.62)	97,323.88	-	97,323.88
08/01/2032	-	-	8,702.50	(3,045.87)	5,656.63	-	5,656.63
02/01/2033	95,000.00	5.750%	8,702.50	(3,045.87)	100,656.63	-	100,656.63
08/01/2033	-	-	5,971.25	(2,089.93)	3,881.32	-	3,881.32
02/01/2034	100,000.00	5.800%	5,971.25	(2,089.93)	103,881.32	-	103,881.32
08/01/2034	-	-	3,071.25	(1,074.93)	1,996.32	-	1,996.32
02/01/2035	105,000.00	5.850%	3,071.25	(1,074.93)	106,996.32	(134,115.00)	(27,118.68)
08/01/2035	-	5.850%	-	-	-	-	-
Total	\$1,750,000.00	-	\$1,265,588.33	(442,955.70)	\$2,572,632.63	(134,115.00)	\$2,438,517.63

Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

Net Debt Service Schedule

Date	Principal	Coupon	Interest	Federal Pmt.	Total P+I	DSR	Net New D/S
12/31/2010	-	-	-	-	-	-	-
12/31/2011	-	-	52,743.33	(18,460.16)	34,283.17	-	34,283.17
12/31/2012	55,000.00	1.500%	78,702.50	(27,545.87)	106,156.63	-	106,156.63
12/31/2013	55,000.00	1.650%	77,836.25	(27,242.68)	105,593.57	-	105,593.57
12/31/2014	55,000.00	2.050%	76,818.75	(26,886.55)	104,932.20	-	104,932.20
12/31/2015	55,000.00	2.350%	75,608.75	(26,463.05)	104,145.70	-	104,145.70
12/31/2016	55,000.00	2.600%	74,247.50	(25,986.61)	103,260.89	-	103,260.89
12/31/2017	60,000.00	3.000%	72,632.50	(25,421.36)	107,211.14	-	107,211.14
12/31/2018	60,000.00	3.400%	70,712.50	(24,749.36)	105,963.14	-	105,963.14
12/31/2019	60,000.00	3.700%	68,582.50	(24,003.86)	104,578.64	-	104,578.64
12/31/2020	65,000.00	4.100%	66,140.00	(23,148.99)	107,991.01	-	107,991.01
12/31/2021	65,000.00	4.300%	63,410.00	(22,193.49)	106,216.51	-	106,216.51
12/31/2022	65,000.00	4.500%	60,550.00	(21,192.49)	104,357.51	-	104,357.51
12/31/2023	70,000.00	4.650%	57,460.00	(20,110.99)	107,349.01	-	107,349.01
12/31/2024	70,000.00	4.750%	54,170.00	(18,959.49)	105,210.51	-	105,210.51
12/31/2025	75,000.00	4.850%	50,688.75	(17,741.06)	107,947.69	-	107,947.69
12/31/2026	75,000.00	5.000%	46,995.00	(16,448.25)	105,546.75	-	105,546.75
12/31/2027	80,000.00	5.100%	43,080.00	(15,078.00)	108,002.00	-	108,002.00
12/31/2028	80,000.00	5.250%	38,940.00	(13,629.00)	105,311.00	-	105,311.00
12/31/2029	85,000.00	5.400%	34,545.00	(12,090.75)	107,454.25	-	107,454.25
12/31/2030	85,000.00	5.500%	29,912.50	(10,469.37)	104,443.13	-	104,443.13
12/31/2031	90,000.00	5.600%	25,055.00	(8,769.24)	106,285.76	-	106,285.76
12/31/2032	90,000.00	5.700%	19,970.00	(6,989.49)	102,980.51	-	102,980.51
12/31/2033	95,000.00	5.750%	14,673.75	(5,135.80)	104,537.95	-	104,537.95
12/31/2034	100,000.00	5.800%	9,042.50	(3,164.86)	105,877.64	-	105,877.64
12/31/2035	105,000.00	5.850%	3,071.25	(1,074.93)	106,996.32	(134,115.00)	(27,118.68)
Total	\$1,750,000.00	-	\$1,265,588.33	(442,955.70)	\$2,572,632.63	(134,115.00)	\$2,438,517.63

Northern Kentucky Water Service District

Taxable Revenue Build America Bonds, Series 2010-EST

(Projected - Sub-District H - \$1,580,860)

Net Debt Service Schedule

Part 1 of 2

Date	Principal	Coupon	Interest	Federal Pmt.	Total P+I	DSR	Net New D/S
02/01/2011	-	-	13,185.83	(4,615.04)	8,570.79	-	8,570.79
08/01/2011	-	-	39,557.50	(13,845.12)	25,712.38	-	25,712.38
02/01/2012	55,000.00	1.500%	39,557.50	(13,845.12)	80,712.38	-	80,712.38
08/01/2012	-	-	39,145.00	(13,700.75)	25,444.25	-	25,444.25
02/01/2013	55,000.00	1.650%	39,145.00	(13,700.75)	80,444.25	-	80,444.25
08/01/2013	-	-	38,691.25	(13,541.93)	25,149.32	-	25,149.32
02/01/2014	55,000.00	2.050%	38,691.25	(13,541.93)	80,149.32	-	80,149.32
08/01/2014	-	-	38,127.50	(13,344.62)	24,782.88	-	24,782.88
02/01/2015	55,000.00	2.350%	38,127.50	(13,344.62)	79,782.88	-	79,782.88
08/01/2015	-	-	37,481.25	(13,118.43)	24,362.82	-	24,362.82
02/01/2016	55,000.00	2.600%	37,481.25	(13,118.43)	79,362.82	-	79,362.82
08/01/2016	-	-	36,766.25	(12,868.18)	23,898.07	-	23,898.07
02/01/2017	60,000.00	3.000%	36,766.25	(12,868.18)	83,898.07	-	83,898.07
08/01/2017	-	-	35,866.25	(12,553.18)	23,313.07	-	23,313.07
02/01/2018	60,000.00	3.400%	35,866.25	(12,553.18)	83,313.07	-	83,313.07
08/01/2018	-	-	34,846.25	(12,196.18)	22,650.07	-	22,650.07
02/01/2019	60,000.00	3.700%	34,846.25	(12,196.18)	82,650.07	-	82,650.07
08/01/2019	-	-	33,736.25	(11,807.68)	21,928.57	-	21,928.57
02/01/2020	65,000.00	4.100%	33,736.25	(11,807.68)	86,928.57	-	86,928.57
08/01/2020	-	-	32,403.75	(11,341.31)	21,062.44	-	21,062.44
02/01/2021	65,000.00	4.300%	32,403.75	(11,341.31)	86,062.44	-	86,062.44
08/01/2021	-	-	31,006.25	(10,852.18)	20,154.07	-	20,154.07
02/01/2022	65,000.00	4.500%	31,006.25	(10,852.18)	85,154.07	-	85,154.07
08/01/2022	-	-	29,543.75	(10,340.31)	19,203.44	-	19,203.44
02/01/2023	70,000.00	4.650%	29,543.75	(10,340.31)	89,203.44	-	89,203.44
08/01/2023	-	-	27,916.25	(9,770.68)	18,145.57	-	18,145.57
02/01/2024	70,000.00	4.750%	27,916.25	(9,770.68)	88,145.57	-	88,145.57

2010 Taxable BAB-SUB Dist | SINGLE PURPOSE | 10/20/2010 | 4:35 PM

Ross, Sinclair & Associates, LLC
Public Finance - KBrock

**NORTHERN KENTUCKY
WATER DISTRICT**

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

PSC ANNUAL REPORT – 2009



RECEIVED

MAR 28 2013

PUBLIC SERVICE
COMMISSION

Class "A & B"

Water Districts & Associations

Annual Report

OF

Northern Kentucky Water District

2835 Crescent Springs Road, P.O. Box 18640

Erlanger, KY 41018

To the

PUBLIC SERVICE COMMISSION

of the

Commonwealth of Kentucky

For the calendar Year Ended: December 31, 2012

Water

CLASS A & B

WATER DISTRICTS AND ASSOCIATIONS

ANNUAL REPORT

OF

Northern Kentucky Water District

2835 Crescent Springs Road, Erlanger, Kentucky 41018

TO THE

PUBLIC SERVICE COMMISSION

OF THE

COMMONWEALTH OF KENTUCKY

**211 SOWER BOULEVARD
P. O. BOX 615
FRANKFORT, KENTUCKY 40602**

FOR THE CALENDAR YEAR ENDED DECEMBER 31, 2012

Checklist for the Annual Report for C Ware Companies
To be completed and returned with the annual report

<u>Page No.</u>	<u>Account No.</u>	<u>Page No.</u>	<u>Yes</u>	<u>No</u>	<u>If no, explain why</u>
4 to 6	The identification pages have been completed.		x		
7	101-106 agrees with	13 Total 101-106	x		
7	108-110 agrees with	15 Total 301-348 Cols c & h	x		
7	114-115 agrees with	16 Net Balance 114-115	x		
7	123 agrees with	17 Total 123	x		
7	124-125 agrees with	17 Total 124 & Total 125	x		
7	126 agrees with	17 Total 126	x		
7	127 agrees with	17 Total 127	x		
7	141-144 agrees with	18 Net Balance 141-144	x		
7	151-153 agrees with	19 Total 151-153	x		
7	162 agrees with	19 Total 162	x		
8	181 agrees with	20 Total 181	x		
8	182 agrees with	21 Total 182	x		
8	186 agrees with	20 Total 186	x		
9	214 agrees with	12 Total 214	x		
9	215.1 agrees with	12 Total 215.1	x		
9	215.2 agrees with	12 Total 215.2	x		
9	221 agrees with	23 Total Col 4	x		
9	221 agrees with	23 Total Col 12	x		
9	224 agrees with	22 Total Col f	x		
9	232 agrees with	24 Total 232	x		
9	223 agrees with	24 Total 233	x		
9	234 agrees with	24 Total 234	x		
9	236 agrees with	25 Beginning & Ending Balance 236	x		
9	237 agrees with	25 Total 237 Cols b & e	x		
9	242 agrees with	26 Total 242	x		
9	251 agrees with	20 Total 251	x		
9	252 agrees with	21 Beginning & Ending Balance 252	x		

Checklist for the Annual Report for C Ware Companies
To be completed and returned with the annual report

Page No.	Account No.		Page No.		Yes	No	If no, explain why
10	400	agrees with	27	Total Water Operating Revenue Col e	x		
10	401	agrees with	28	Total 601-675, Col c	x		
10	408.1&408.2	agrees with	25	Total Taxes Accrued 408-10-408.20	x		
11	427	agrees with	25	Total Interest Accrued Col c	x		
11	Net Income Before Contribution	agrees with	12	Balance Trans Inc Col c	x		
13	101	agrees with	14	Total Water Plant Col f	x		
14	The analysis of water utility plant accounts cols c through k has been Completed				x		
15	The analysis of accumulated depreciation & amortization by primary accounts has been completed				x		
20	186.1	agrees with	26	Total 186.1 Col c	x		
22	Schedule of Long-Term Debt has been completed				x		
23	Schedule of Bond Maturities has been completed				x		
27	Taxes collected (example: school tax, sales tax, franchise tax) have been excluded from Revenue and Expenses				x		
27	The analysis of water operating revenue Cols c,d, and e has been completed				x		
28	The analysis of water utility expense Cols c through k has been complete				x		
29	Schedule of Pumping and Purchased Water Statistics has been completed				x		
29	Total Col (d)	agrees with	30	Line 4, Total Production & Purchased	x		
29	Total Col (e)	agrees with	30	Line 13, Total Water Sales	x		
30	466 Total Gals	agrees with	30	Line 11, Sales for Resale (466)	x		
	Oath page has been completed				x		

KENTUCKY PUBLIC SERVICE COMMISSION
REPORT OF GROSS OPERATING REVENUES DERIVED FROM INTRA-KENTUCKY
BUSINESS FOR THE YEAR ENDING DECEMBER 31, 2012

NORTHERN KENTUCKY WATER DISTRICT
(Utility Reporting)

Post Office Box 18640
2835 Crescent Springs Rd - Erlanger, Ky 41018-0640
(Address)

FEIN # (Federal Employer Identification Number)
61-1311695

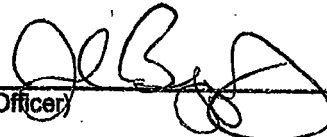
(DO NOT INCLUDE TAXES COLLECTED)

(1)	Gross Revenues of Electric Utility	\$ _____
(2)	Gross Revenues of Gas Utility	\$ _____
(3)	Gross Revenues of Water Utility	\$ <u>47,243,674</u>
(4)	Gross Revenues of Sewer Utility	\$ _____
(5)	Other Operating Revenues	\$ <u>1,766,007</u>
	*** TOTAL GROSS REVENUES.....	\$ <u>49,009,681</u>

OATH

State of Kentucky.....)
) ss.
County Campbell

Jack Bragg, Jr. CPA being duly sworn, states I being duly sworn, states that he/she is
Vice-President/CFO of the Northern Kentucky Water District that the above report of gross
revenues is exact accordance with Northern Kentucky Water District , and that such
books accurately show the gross revenues of: Northern Kentucky Water District, derived from
Intra-Kentucky business for the calendar year ending December 31, 2012

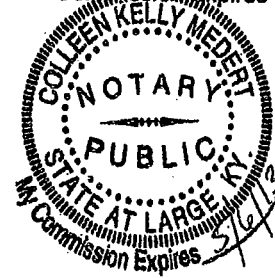
 VP/CFO
(Officer)

This, the 28th day of March, 2013


Notary Public

State at Large
County

May 6, 2013
Commission Expires



ADDITIONAL REQUESTED INFORMATION

Utility Name Norther Kentucky Water District

Contact Person Jack Bragg, Jr, CPA

Contact Person'ss E-Mail Address jbragg@nkywater.org

Utility's Web Address www.nkywater.org

PLEASE COMPLETE THE ABOVE INFORMATION, IF IT IS AVAILABLE.

IF THERE ARE MULTIPLE STAFF WHO MAY BE CONTRACTS PLEASE INCLUDE THEIR NAMES AND E-MAIL ADDRESS ALSO.

PUBLIC SERVICE COMMISSION OF KENTUCKY
PRINCIPAL PAYMENT AND INTEREST INFORMATION
FOR THE YEAR ENDING DECEMBER 31, 2012

1. Amount of Principle Payment during calender year \$ 7,974,000.00
2. Is Principal Current? Yes X No _____
3. Is Interest Current ? Yes X No _____
4. Has all long-term debt been approved by the Public Service Commission?
Yes X No _____ PSC Case No _____

SERVICES PERFORMED BY
INDEPENDENT CERTIFIED PUBLIC ACCOUNTANT ("CPA")

Are your financial statement examined by a Certified Public Accountant?

Yes X No _____

If yes, which service is performed?

Audit X
Compilation _____
Review _____

Please enclose a copy of the accountant's report with the annual report

Additional Information Required by Commission Orders

Provide any special information required by prior Commission orders, as well as any narrative explanations necessary to fully explain the data. Examples of the types of special information that may be required by Commission orders include surcharge amounts, collected, refunds issued, and unusual debt requirements.

Case #	Date of Order	Item/Explanation	
96-234	8/26/1996	Merger of Campbell Co. Ky. Water District and Kenton Co. Water District No.1. Effective date of Merger 1/1/1997	
97-3	9/21/1997	Defeasance of the former Campbell Co. Ky. Water District Bonds Principal of the issue	\$9,630,000
92-482	3/14/1992	SubDistrict A a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities	599 \$61,009 \$1,439,799 \$322,423
94-409	1/26/1995	SubDistrict B a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities	297 \$60,916 \$965,127 \$1,194,280
95-582	2/8/1996	SubDistrict R a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities	225 \$52,369 \$864,948 \$571,514
95-582	2/8/1996	SubDistrict RL a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities	88 \$38,242 \$659,944 \$396,521
97-468	9/4/1998	Per Item 7 on the order. See attached exhibit ML 1	
2000-329	7/21/2000	SubDistrict C a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities	1034 \$224,347 \$2,032,797 \$4,765,958
2000-171	5/5/2000	SubDistrict D a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities e. Bond issued 2001, Payback \$1,529,229.74 (25years), rate variable	153 \$55,428 \$500,257 \$1,040,069
2001-198	6/27/2001	Defeasance of the former Kenton County Water District No.1 Bonds - Principle Issue	\$45,448,000
2002-00363	10/1/2002	Defeasance of the former Klenton County Water District No.1 Bonds	\$10,575,000
2002-00468	3/1/2003	Defeasance of 1995C Bonds with Issuance of 2003A Bonds	\$1,615,000
2002-00105	4/30/2003	Water Rate Increase	

Additional Information Required by Commission Orders - Continued

2002-00105	6/1/2003	Issue of 2003 B Bonds	\$30,270,000
2003-00167	7/18/2003	SubDistrict E a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities e. Bond issued 2004, payback \$1,859,684.55 (25years), rate variable	189 \$67,274.00 \$496,927.06 \$1,366,429.86
2003-00191	7/18/2003	SubDistrict RF a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities	30 \$8,537 \$78,747 \$143,990
2003-00224	6/14/2004	Issue of 2004A Bonds	\$10,455,000
2003-00224	6/14/2004	SubDistrict K a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities e. Bond issued 2004, payback \$208,824.68, (25years), rate variable	62 \$8,634 \$61,937 \$134,264
2003-00404	12/2/2003	Defeasance of 1993, 1195A and 1995B Bonds with Issuance of 2003C Bonds	\$23,790,000
2005-00148	4/28/2006	Water Rate Increase & Bond Issuance	\$29,000,000
2006-00315	12/26/2007	SubDistrict F a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities e. Bond issued 2007, payback \$415,102.00 (25years), rate variable	48 \$16,284 \$55,900 \$366,307
2007-00131	6/27/2007	SubDistrict G a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities e. Bond issued 2007, payback \$1,042,078.00 (25years), rate variable	119 \$42,708 \$132,683 \$926,929
2007-00135	12/21/2007	Water Rate Increase & Bond Issuance	\$30,075,125
2010-00434	12/20/2010	SubDistrict H a. Number of Customers as of 12-31-2012 b. Total Surcharge billed during 2012 c. Accumulated surcharge billed. d. Remaining Debt Service on debt which NKWD Issued to Finance Facilities e. Bond issued 2007, payback \$1,042,078.00 (25years), rate variable	56 \$15,441 \$18,361 \$1,042,078
2010-00049	1/7/2011	Water Rate Increase & Bond Issuance	\$30,830,000
2012-00072	12/20/2012	Water Rate Increase & Bond Issuance	\$54,840,000

SubDistrict Annual Report Info**2012**

Subdistrict	Case #	Reporting Year	Funding	Cost
E	2003-000167	2012	Bond 2004	\$1,859,684.55
RF	2003-00191	2012	Bond 2004	\$213,917.66
K	2003-00224	2012	Bond 2004	\$208,824.68
G	2007-00131	2012	Bond 2007	\$1,042,078.00
G (Additional)	2010-00473	2012		
F	2006-00315	2012	Bond 2007	\$415,102.00
F (Siry & Flatwoods)	2009-00262	2012		
H	2010-00434	2012		

Sub-Districts Integrated in NKWD Overall System

The subdistrict customers are benefiting from extensions of water mains that would otherwise have not been feasible due to limited number of customers in the affected areas and excessive costs to make the extensions. These customers also benefited from grants or low interest loans available to areas containing a high percentage of low to moderate income families.

The surcharge paid by these customers merely reflects the cost of providing service to them. If the extensions to these customers had been made according to the District's "50 foot policy", the customers would have had to make substantial lump sum payments prior to construction. Most could not afford to do so. The surcharge, in effect, provides an installment payment plan for these customers, which allows the payment of that initial cost over a period of years. Because the surcharge is recalculated each year to reflect additional customers and reduction in debt costs, the financial impact is minimized.

The use of the surcharge allows extension of water to areas that the District would not serve due to excessive costs. By imposing the surcharge, more residents are provided access to potable water, which improves public health and safety and reduces the overall cost of water. Most of the residents served in the subdistrict have cisterns or haul water. The cost of water hauling is far greater than the cost being paid to the District for water.

Additionally, the surcharge reflects the Commission's policy of placing the cost of new customers on those customers similar to a system development charge.

The general rate customers benefit from the revenue generated by the Subdistrict customers and from the lower debt cost that results from grants and government subsidized loans. There is no ratemaking or policy reason to change a system that has been in place since 1991 and which has allowed water to be provided to hundreds of residents that did not have access to potable water.

The cost of making the extensions normally associated with the subdistrict would generally be too expensive for the District to consider. Providing extensions to the customers of at no cost would place an expectation of service for no cost for the remaining approximately 1,800 unserved households that cannot be financially afforded by the District and would not be fair to the existing almost 80,000 District customers that bore the cost of the main that serves them through surcharges, assessments, 50 foot contributions, city assessments or through the cost of their home. The cost would be an unfair burden on the general ratepayers and would not reflect an economical use of the revenue from rates. By imposing the cost of the extension on the customers that most directly benefit and who would otherwise not qualify for a District initiated extension, more customers are served, customers that otherwise would not receive service get service, and general rate payers avoid excessive costs.

The surcharge reflects the Commission's policy of placing the cost of new customers on those customers similar to a system development charge. The general rate customers benefit from the revenue generated by the subdistrict customers and from the lower debt cost that results from grants and government subsidized loans. Additionally, it would be unfair to general customers and particularly to other subdistrict customers to have the debt associated with what would otherwise be new subdistricts paid by existing subdistrict customers.

The purpose of the subdistrict is to aggregate sufficient customers to make the extension of facilities to the residents of the affected areas feasible. There are limited areas in Northern's service area that are unserved. Those areas are widely separated and sparsely populated. Kenton County unserved areas are very similar in nature. By combining areas into subdistricts, the District is able to provide water service to combined high density areas which helps spread the cost among sufficient customers to make the project financially feasible for the District and affordable to the residents. The alternative is the creation of multiple subdistricts, which will increase the cost of each project, minimize the economies of scale and add an additional administrative expense in forming, tracking and accounting for each.

The surcharge paid by these customers merely reflects the cost of providing service to them. If the extensions to these customers had been made according to the District's "50 foot policy" or "100 foot policy", the customers would have had to make substantial lump sum payments prior to construction. Most could not afford to do so. The surcharge, in effect, provides an installment payment plan for these customers, which allows the payment of that initial cost over a period of years. Because the surcharge is recalculated each year to reflect additional customers and reduction in debt costs, the financial impact is minimized. Because many of these customers are served by wells or cisterns, the \$30.00 per month surcharge is generally less than the cost of water deliveries per month.

The purpose of any subdistrict is to provide service to areas that otherwise could not be served due to various factors such as location in relation to existing facilities, excessive cost or low customer density. In evaluating the viability of the extension of service the District reviews need for the service, demand from the affected area, cost, funding sources and benefit to the system as a whole. If there is sufficient public demand, and financing can be obtained within the limits of the estimated cost of the project, usually including state or federal loans and grants, the project is subject to approval. However, as part of the final determination of the feasibility of the project, the District reviews the overall hydraulic functioning of the area adjacent to the proposed subdistrict to determine if there are any additional system benefits that could be achieved from extending the facilities. For example, if the existing primary main serving the nearby area is undersized for future growth as shown in the District's Master Hydraulic Plan, it may be economically sound to upgrade that main as part of the subdistrict project to avoid a higher cost in the future to make that same upgrade.

As has been the District's practice in these types of extensions, a 12 inch main is generally installed, rather than an 8 inch, to provide for increased demand and to allow for such services as fire protection. The District contributes the cost differential from the 8 to 12 inch mains because the benefit of the larger mains enhances the system rather than just service to the subdistrict. This allows the District to use the subdistricts to strengthen and improve the local transmission and distributions system to meet population growth and commercial development needs. Based on the benefits of the subdistricts, no adjustment to the subdistrict or surcharge mechanism is necessary.

MAJOR WATER PROJECTS

Instructions: Provide details about each major water project which is planned but has not yet been submitted for approval to the Public Service Commission. For the limited purposes of this report a "Major Project" is defined as one which is not in the ordinary course of business, and which will increase your current utility plant by at least 20%

Brief Project Description (improvement, replacement, building construction, expansion. If expansion, provide the estimated number of new customers):

N/A

Projected Costs and Funding Sources/Amounts:

Approval Status: (Application for financial assistance filed, but not approved; or application approved, but have not advertised for construction bids)

Location: (community, area or nearby roads)

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HISTORY

1. Exact name of utility making this report. (Use the words: "The, Company, Incorporated or Incorporated" only when a part of the corporate name.)

Northern Kentucky Water District

2. Give the location, street and number, and TELEPHONE NUMBER of the principal office in Kentucky.

**2835 Crescent Springs Road
Erlanger, Kentucky 41018-0640
859-578-9898**

3. Give name, title, address and TELEPHONE NUMBER of the officer to whom correspondence concerning this report should be addressed.

**Jack Bragg, CPA, CMA
2835 Crescent Springs Road
Erlanger, Kentucky 41018**

4. Date of organization:

January 1, 1997

5. If a consolidated or merged entity, name all the previously separate entities.

**Kenton County Water District
Campbell County Water District**

6. Date of each consolidation and each merger

January 1, 1997

7. State whether the respondent is a water district or association.

Water District under Chapter 74 – KRS

8. Name all operating departments other than water.

None

9. Name of counties in which you furnish water service.

Kenton, Campbell, & Boone

10. Give the number of employees:

Full Time: 142

Part Time: 16

COMPARATIVE BALANCE SHEET - ASSETS AND OTHER DEBITS

Account No. (a)	2012 Account Name (b)	Ref. Page ©	Previous Year (d)	Current Year (e)
UTILITY PLANT				
101-106	Utility Plant	13	\$ 406,764,688	\$ 426,832,621
108-110	Less: Accumulated Depreciation and Amortization	13,15-16	(90,272,955)	(98,796,447)
	Net Plant		\$ 316,491,733	\$ 328,036,174
114-115	Utility Plant Acquisition Adjustments (Net)	16	3,061,871	2,860,751
116	Other Utility Plant Adjustments			
	Total Net Utility Plant		\$ 319,553,604	\$ 330,896,925
OTHER PROPERTY & INVESTMENTS				
121	Nonutility Property		\$	\$
122	Less: Accumulated Depreciation and Amortization			
	Net Nonutility Property		\$	\$
123	Investment in Asso. Companies	17		
124	Utility Investments	17	40,604,053	41,604,515
125	Other Investments	17	1,613,621	743,593
126-127	Special Funds	17		
	Total Other Property & Investments		\$ 42,217,674	\$ 42,348,108
CURRENT AND ACCRUED ASSETS				
131	Cash		\$ 14,822,171	\$ 18,846,682
132	Special Deposits			
133	Other Special Deposits		26,460,229	14,761,474
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts Receivable, Less Accumulated Provision for Uncollectible Accounts	18	5,069,295	5,459,513
145	Accounts Receivable from Associated Companies			
146	Notes Receivable from Associated Companies			
151-153	Materials & Supplies	19	1,198,490	1,241,517
161	Stores Expense			
162	Prepayments	19	280,027	231,973
171	Accrued Interest & Dividends Receivable			
172	Rents Receivable			
173	Accrued Utility Revenues		5,400,000	5,500,000
174	Misc. Current & Accrued Assets			
	Total Current & Accrued Assets		\$ 53,230,212	\$ 46,041,159

COMPARATIVE BALANCE SHEET - ASSETS AND OTHER DEBITS (CONT'D)

Account No. (a)	2012 Account Name (b)	Ref. Page c	Previous Year (d)	Current Year (e)
DEFERRED DEBITS				
181	Unamortized Debt Discount & Expense	20	\$ 2,880,967	\$ 1,699,118
182	Extraordinary Property losses	21		
183	Preliminary Survey & Investagation Charges			
184	Clearing Accounts			
185	Temporary Facilities			
186	Misc. Deferred Debits	20	3,803,410	(4,070,583)
187	Research & Development Expenditures			
Total Deferred Debits			\$ 6,684,377	\$ (2,371,465)
TOTAL ASSETS AND OTHER DEBITS			\$ 421,685,867	\$ 416,914,727

COMPARATIVE BALANCE SHEET - EQUITY CAPITAL AND LIABILITIES

Account No. (a)	2012 Account Name (b)	Ref. Page c	Previous Year (d)	Current Year (e)
Equity Capital				
214	Appropriated Retained Earnings	12	\$ 54,296,070	\$ 43,107,779
215.1	Retained Earnings from Income Before Contributions	12	\$ 32,053,088	\$ 50,195,217
215.2	Donated Capital	12	\$ 65,052,309	\$ 68,131,819
	Total Equity Capital		\$ 151,401,467	\$ 161,434,815
LONG-TERM DEBT				
221	Bonds	23	\$ 202,386,000	\$ 185,902,000
222	Reacquired Bonds			
223	Advances from Asso. Companies			
224	Other Long-Term Debt	22	29,823,471	36,668,857
	Total Long-Term Debt		\$ 232,209,471	\$ 222,570,857
CURRENT & ACCRUED LIABILITIES				
231	Accounts Payable		\$ 6,409,360	\$ 1,483,924
232	Notes Payable	24	25,715,000	25,715,000
233	Acts. Payable to Asso. Co.	24		
234	Notes Payable to Asso. Co.	24		
235	Customer Deposits		14,305	10,054
236	Accrued Taxes	25		
237	Accrued Interest	25	3,994,015	3,703,241
239	Matured Long-Term Debt			
240	Matured Interest			
241	Tax Collections Payable			
242	Misc. Current & Accrued Liabilities	26	1,587,196	(7,014,352)
	Total Current & Accrued Liabilities		\$ 37,719,876	\$ 23,897,867
DEFERRED CREDITS				
251	Unamortized Premium on Debt	20	\$ 355,053	\$ 9,011,188
252	Advances for Construction	21		
253	Other Deferred Credits			
	Total Deferred Credits		355,053	9,011,188
OPERATING RESERVES				
Accumulated Provision for:				
261	Property Insurance		\$	\$
262	Injuries & Damages			
263	Pensions & Benefits			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		\$	\$
TOTAL EQUITY CAPITAL & LIABILITIES			\$ 421,685,867	\$ 416,914,727

COMPARATIVE OPERATING STATEMENT

Acct. No. (a)	2012 Account Name (b)	Ref. Page c	Previous Year (d)	Current Year (e)
	Utility Operating Income			
	Operating Revenues	27	\$ 44,471,055	\$ 49,009,681
401	Operating Expenses	28	\$ 22,438,174	23,819,883
403	Depreciation Expenses		9,296,885	9,809,081
406	Amortization of Utility Plant			
	Acquisition Adjustment		201,120	201,120
407	Amortization Expense		378,962	348,946
408.1	Taxes Other Than Income	25	564,872	564,698
	Utility Operating Expenses		\$ 32,880,013	\$ 34,743,728
	Utility Operating Income		\$ 11,591,042	14,265,953
413	Income From Utility Plant Leased to Others			
414	Gains (Losses) From Disposition of Utility Property		(35,597)	8,459
	Total Utility Operating Income		\$ 11,555,445	\$ 14,274,412
	Other Income and Deductions			
415	Revenues From Merchandising, Jobbing and Contract Deductions		\$	\$
416	Costs and Expenses of Merchandising, Jobbing and Contract Work			
419	Interest & Dividend Income		811,145	831,929
420	Allowance for Funds Used During Construction			
421	Nonutility Income		(239,673)	(384,846)
426	Miscellaneous Nonutility Expense			
	Total Other Income & Deductions		\$ 571,472	447,083
	TAXES APPLICABLE TO OTHER INCOME			
408.2	Taxes Other Than Income		\$	\$
	Total Taxes Applic. To Other Income		\$	\$

COMPARATIVE OPERATING STATEMENT - Continued

Account No. (a)	2011 Account Name (b)	Ref. Page ©	Previous Year (d)	Current Year (e)
	INTEREST EXPENSE			
427	Interest Expense		\$ 7,746,446	\$ 7,933,311
428	Amortization of Debt Discount & Exp.		323,966	(165,654)
429	Amortization of Premiun on Debt		-	-
	Total Interest Expense		\$ 8,070,412	\$ 7,767,657
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		\$	\$
434	Extraordinary Deductions			
	Total Extraordinary Items		\$ -	\$ -
	NET INCOME		\$ 4,056,504	\$ 6,953,838

Statement of Retained Earnings

ACCT. p. (a)	2012 (b)	Amount (c)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
	Bond Proceeds	\$ 14,761,474
	Debt Service and Reserve	\$ 16,727,770
	Improvement, Repair and Replacement	\$ 11,618,535
	Total Appropriated Retained Earnings.....	\$ 43,107,779

215.1	Retained Earnings From Income Before Contributions:	
	Balance Beginning of Year.....	\$ 32,053,088
435	Balance Transferred from Net Income Before Contributions.....	\$ 6,953,838
	Other Changes to Account:	
436	Appropriations of Retained Earnings.....	\$ 11,188,291
439	Adjustments to Retained Earnings (requires Commission approval prior to use):	
	Credits (explain) _____	\$ _____
	Debits (explain) _____	\$ _____
	Balance End of Year.....	\$ 50,195,217

215.2	Donated Capital:	
		Tapping Fees Grants Other Total
	Balance Beginning of Year.....	8,767,335 25,045,610 31,239,364 65,052,309
	Credits:	
432	Proceeds from capital contributions.....	336,307 2,743,203 - 3,079,510
	Other Credits (explain)	_____
	Debits:	
	(explain - Requires Commission Approval)	_____
	Balance End of Year.....	9,103,642 27,788,813 31,239,364 68,131,819

NET UTILITY PLANT (ACCTS. 101 - 106)

Account No.	Plant Accounts	Total
101	Utility Plant in Service	\$ 383,055,791
102	Utility Plant Leased to Others	
103	Property Held for Future Use	
104	Utility Plant Purchased of Sold	
105	Construction Work in Progress	43,776,830
106	Completed Construction Not Classified	
	Total Utility Plant	\$ 426,832,621

ACCUMULATED DEPRECIATION (ACCT. 108)

Description	Total
Balance first of year	\$ 90,272,955
Credit during year:	
Accruals Charged to Account 108.1	9,809,081
Accruals Charged to Account 108.2	
Accruals Charged to Account 108.3	
Accruals Charged to Other Accounts (specify)	
_____ _____ _____	
Salvage	
Other Credits (specify)	
_____ _____ _____	
Total Credits	\$ 9,809,081
Debits during year:	
Book Cost of Plant Retired	\$ 1,285,589
Cost of Removal	
Other Debits (specify)	
_____ _____ _____	
Total Debits	\$ 1,285,589
Balance end of year	\$ 98,796,447

WATER UTIL PLANT ACCOUNTS

Acct No. (a)	2012 Account Name (b)	End of Previous Year (c)	Additions (d)	Retirement (e)	End of Current Year (f)	.1 Intangible Plant Intan- (g)	.2 SOS & Pumping Plant (h)	.3 Water Treatment Plant (i)	.4 Trans & Distrib Plant (j)	.5 General Plant (k)
301	Organization						\$XXXXXXXX	\$XXXXXXXX	\$XXXXXXXX	\$XXXXXXXX
302	Franchises						\$XXXXXXXX	\$XXXXXXXX	\$XXXXXXXX	\$XXXXXXXX
303	Land & Land Rights	\$3,291,127			\$3,291,127	XXXXXXXXXX	\$29,200	\$368,719	\$293,659	\$2,599,548
304	Structures & Improvements	\$84,467,196	\$524,667		\$84,991,863	XXXXXXXXXX	\$17,237,012	\$45,826,177	\$9,508,216	\$12,420,458
305	Collecting & Impounding Reservoirs					XXXXXXXXXX				
306	Lake, River & Other Intakes	\$1,463,171			\$1,463,171	XXXXXXXXXX	\$1,463,171			
307	Wells and Springs					XXXXXXXXXX				
308	Infiltration Galleries & Tunnels									
309	Supply Mains	\$2,865,693			\$2,865,693	XXXXXXXXXX	\$2,865,693			
310	Power Generation Equipment	\$3,491,522			\$3,491,522	XXXXXXXXXX	\$1,847,854	\$1,643,668		
311	Pumping Equipment	\$11,184,147	\$117,204	\$12,198	\$11,289,153	XXXXXXXXXX	\$4,163,499	\$1,032,551	\$6,093,103	
320	Water Treatment Equipment	\$14,786,016	\$14,835,506	\$12,272	\$29,609,250	XXXXXXXXXX		\$29,609,250		
330	Distribution Reservoirs & Standpipes	\$9,567,870			\$9,567,870	XXXXXXXXXX		\$9,567,870		
331	Transmission & Distribution Mains	\$150,724,731	\$17,452,041	\$1,031,359	\$167,145,413	XXXXXXXXXX			\$167,145,413	
333	Services	\$24,428,613	\$1,600,353	\$281,775	\$25,747,191	XXXXXXXXXX				\$25,747,191
334	Meters & Meter Installations	\$16,750,517	\$593,386	\$186,273	\$17,157,630	XXXXXXXXXX				\$17,157,630
335	Hydrants	\$7,342,322	\$636,590	\$59,250	\$7,919,662	XXXXXXXXXX				\$7,919,662
336	Backflow Prevention Devices					XXXXXXXXXX				
339	Other Plant & Misc. Equipment	\$3,415,797	\$13,993		\$3,429,790					\$3,429,790
340	Office Furniture & Equipment	\$3,434,590	\$143,220	\$65,247	\$3,512,563	XXXXXXXXXX				\$3,512,563
341	Transportation Equipment	\$2,886,975	\$236,766	\$179,197	\$2,944,544	XXXXXXXXXX				\$2,944,544
342	Stores Equipment	\$262,580			\$262,580	XXXXXXXXXX				\$262,580
343	Tools, Shop, & Garage Equipment	\$287,357	\$32,447	\$3,358	\$316,446	XXXXXXXXXX				\$316,446
344	Laboratory Equipment	\$182,011	\$15,498	\$2,530	\$194,979	XXXXXXXXXX				\$194,979
345	Power Operated Equipment	\$961,217	\$103,873	\$3,200	\$1,061,890	XXXXXXXXXX				\$1,061,890
346	Communication Equipment	\$6,186,960	\$31,738	\$2,163	\$6,216,535	XXXXXXXXXX				\$6,216,535
347	Miscellaneous Equipment	\$576,919			\$576,919	XXXXXXXXXX				\$576,919
348	Other Tangible Plant					XXXXXXXXXX				
	Total Water Plant	\$348,557,331	\$36,337,282	\$1,838,822	\$383,055,791	0	\$27,606,429	\$88,048,235	\$183,040,391	\$84,360,736

Analysis of Accumulated Depreciation and Amortization by Primary Account

Acct. No. (a)	2012 Account (b)	Balance Beginning of Year c	Credits During the Year			Charges During The Year		Balance End of Year (h)
			Charges to Dep. Exp. (d)	Other Credits (e)	Plant Retirements (f)	Other Charges (g)		
301	Organization	\$	\$	\$	\$	\$	\$	
302	Franchises							
303	Limited Term Interest in Land and Land Rights							
304	Structures & Improvements	25,939,906	2,622,562				28,562,468	
305	Collecting & Impounding Reservoirs							
306	Lake River & Other Intakes	924,013	25,689				949,702	
307	Wells & Springs							
309	Supply Mains	647,008	58,466				705,474	
310	Power Generating Equip.	266,925	139,661				406,586	
311	Pumping Equipment	6,620,130	512,873		5,503		7,127,500	
320	Water Treatment Equip.	5,391,582	730,635		12,272		6,109,945	
330	Distribution Reservoirs & Standpipes	4,141,476	304,582				4,446,058	
331	Transmissions & Distribution Mains	22,075,658	2,790,614		670,383		24,195,889	
333	Services	9,001,647	631,954		183,154		9,450,447	
334	Meters & Meter Installations	3,256,711	744,176		121,077		3,879,810	
335	Hydrants	1,786,928	195,234		38,513		1,943,649	
339	Other Plant & Misc. Equip.	3,187,095	157,295				3,344,390	
340	Office Furniture & Equip.	2,328,490	267,997		65,092		2,531,395	
341	Transportation Equipment	2,551,839	168,658		179,197		2,541,300	
342	Service Equipment							
343	Tools, Shop & Garage Equip.	405,599	50,403		3,276		452,726	
344	Shop Equipment	98,439	24,998		1,758		121,679	
345	Power Operated Equip.	697,823	64,597		3,200		759,220	
346	Telecommunications Equipment	377,106	318,248		2,164		693,190	
347	SCADA							
348	Other Tangible Plant	574,580	439				575,019	
	Totals	\$ 90,272,955	\$ 9,809,081	\$ -	\$ 1,285,589	\$ -	\$ 98,796,447	

ACCUMULATED AMORTIZATION (ACCT. 110)

Description	Total
Balance first of year.....	\$ N/A
Credit during year:	
Accruals Charged to Account 110.1...	\$ _____
Accruals Charged to Account 110.2...	_____
Other Accruals (specify)	_____

Total Credits.....	\$ _____
Debits during year:	
Book Cost of Plant Retired.....	\$ _____
Other Debits (specify)	_____

Total Debits.....	\$ _____
Balance end of year.....	\$ _____

UTILITY PLANT ACQUISITION ADJUSTMENT (ACCTS. 114 - 115)

Report each acquisition adjustment and related accumulated amortization separately.
For any acquisition adjustment approved by the Commission, include the Order Number.

2012 ACCOUNT NAME	TOTAL
Acquisition Adjustments (114)	
Original District 9-14-55	\$ 263,366
District # 2 & 3 12-31-73	18,712
Mentor District 9-1-76	10,741
City of Cold Spring	228,253
City of Silver Grove	24,853
Newport Water Works	4,970,211
Total Plant Acquisition Adjustments.....	\$ 5,516,136
Accumulated Amortization (115)	
Original District 9-14-55	\$ 263,366
District # 2 & 3 12-31-73	18,712
Mentor District 9-1-76	10,741
City of Cold Spring	228,253
City of Silver Grove	24,853
Newport Water Works	2,109,460
Total Accumulated Amortization.....	\$ 2,655,385
Net Acquisition Adjustments.....	\$ 2,860,751

Investments and Special Funds (Acct. 123-127)

Report hereunder all investments and special funds carried in Account 123-127.

Description of Security or Special Fund (a)	Face or Par Value (b)	Year-End Book Cost c
Investment In Associated Companies (Acct. 123): <hr/> <hr/> <hr/> <hr/> Total Investment in Asso. Companies	\$ _____ _____ _____ _____	\$ _____ _____ _____ \$ _____
Utility Investments (Acct. 124): <u>IRR Account</u> <u>Debt Service Account</u> <u>Debt Service Reserve Account</u> Total Utility Investments	\$ _____ _____ _____ _____	\$ 11,618,535 13,258,210 16,727,770 \$ 41,604,515
Other Investments (Acct. 125): <u>Boone County/Florence KY Settlement</u> <hr/> <hr/> <hr/> Total Other Investments:	\$ _____ _____ _____ \$ _____	\$ 743,593 _____ _____ \$ 743,593
Special Funds (Acct. 126 & 127): <u>Prepayment Reserve</u> <hr/> <hr/> <hr/> Total Special Funds	_____ _____ _____ _____	_____ _____ _____ \$ _____

ACCOUNTS AND NOTES RECEIVABLE - NET (ACCOUNTS 141 - 144)

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Accounts 142 and 144 should be listed individually.

Description		Total
ACCOUNTS & NOTES RECEIVABLE:		
Customer Accounts Receivable (Acct. 141)	\$	5,240,846
Other Accounts Receivable (Acct. 142)		
Assessments	\$	104,778
Other		113,889
		218,667
Notes Receivable (Acct. 144)	\$	
Total Accounts and Notes Receivable.....	\$	5,459,513
Accumulated Provision for Uncollectable Accounts (Acct. 143)		
Balance first of year	\$	-
Add: Provision for uncollectables for		
current year.....	\$	
Collections fo accounts previously		
written off.....		
Utility accounts.....		
Others.....		
Total Additions.....	\$	
Deduct accounts written off during year:		
Utility Accounts.....	\$	
Other.....		
Total accounts written off.....	\$	
Balance end of year.....	\$	-
Total Accounts and Notes Receivable	\$	5,459,513

Materials and Supplies (151 - 153)

Account Name	Total
Plant Materials and Supplies (Account 151)	\$ 1,241,517
Merchandise (Account 152)	
Other Materials and Supplies (Account 153)	
Total Materials & Supplies	\$ 1,241,517

Prepayments (Acct. 162)

Description	Total
Prepaid Insurance	\$ 15,940
Prepaid Rents	
Prepaid Interest	
Prepaid Taxes	
Other Prepayments (Specify) Prepaid Antenna Rent Sprint	(6,600)
Expenses/Services	\$ 222,633
Total Prepayments	\$ 231,973

Miscellaneous Deferred Debits (Acct. 186)

2012 Description	Total
Miscellaneous Deferred Debits (Acct. 186):	
Deferred PSC Assessment	39,001
Deferred Rate Case Expense 2010	39,673
Deferred Rate Case Expense 2012	51,587
Other Deferred Debits	(4,200,844)
Total Miscellaneous Deferred Debits	\$ (4,070,583)

Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 & 251)

Report the net discount & expense or premium separately for each security issue.

Description	Amount Written Off During Year	Year-End Balance
Unamortized Debt Discount & Expense (Acct. 181)		
Bond Issue Cost 1997	\$ 2,456	
Bond Discount 1997	3,368	
Bond Discount 1998	3,785	
Bond Issue Costs 1998	1,574	
Cost of Issue 2001 Bond	1,850	
Discount 2001 Bond	6,519	
Cost of Issue 2002 A	6,866	
Bond Discount 2002 A	13,605	
Cost of Issue 2002 B	9,300	46,114
Cost of Issue 2003 A	1,620	29,450
Bond Discount 2003 A	1,088	20,753
Cost of Issue 2003 B	11,722	180,496
Bond Discount 2003 B	8,520	130,735
Cost of Issue 2003 C	14,938	113,263
Discount 2003 C	7,404	53,086
Cost of issue 2004A Bonds	3,250	54,700
Discount 2004A Bond	7,920	133,222
Bond Discount 2006	6,994	131,142
Cost of Issue Bond 2006	8,640	162,000
Cost of Issue 2009	5,173	109,500
Bond Discount 2009	12,800	270,935
BAN Issue Cost 2009		-
BAN Discount 2009		-
Cost of Issue 2011 Bond	5,417	118,002
Cost of Issue 2011 BAN	30,776	18,681
Cost of Issue 2012 Bond	4,098	127,040
Total Unamortized Debt Discount & Expense	\$ 179,683	\$ 1,699,118
Unamortized Premium on Debt (Acct. 251):		
Premium on 2002 B Bond	4,928	24,454
Premium on 2011 Bond	9,804	229,577
Premium on 2011 BAN	49,309	36,982
Premium on 2012 Bond	281,296	8,720,175
Total Unamortized Premium on Debt	\$ -20- 345,337	\$ 9,011,188

EXTRAORDINARY PROPERTY LOSSES (ACCT. 182)

Report each item separately.

Description	Total
Extraordinary Property Losses (Acct. 182) :	
N/A	\$
	\$
	\$
	\$
Total Extraordinary Property Losses	\$

ADVANCES FOR CONSTRUCTION (ACCT. 252)

DESCRIPTION	TOTAL
N/A	
Balance first of year.....	\$
- Add credits during year.....	\$
Deduct charges during year.....	\$
Balance end of year.....	\$

Account 221, BONDS

Line No.	Par Value of Actual Issue 1	Cash Realized on Actual Issue 2	Par Value of Amount Held by or for Respondent 3	Actually Outstanding at Close of year 4	Interest During Year	
					Accrued 5	Actually Paid 6
1	11,225,000	11,131,694		-	17,610	34,038
2	11,355,000	11,141,619		-	181,625	346,249
3	2,287,000	2,287,000		1,987,000	99,917	100,200
4	16,325,000	15,835,250		-	328,217	617,314
5	45,485,000	44,121,624		-	950,140	1,807,251
6	10,575,000	10,525,204		4,200,000	173,327	187,244
7	1,615,000	1,583,553		1,280,000	57,249	57,866
8	30,270,000	30,068,115		22,150,000	874,109	887,065
9	23,790,000	23,532,357		12,250,000	491,825	512,169
10	10,455,000	10,195,116		8,095,000	348,162	352,563
11	29,000,000	28,736,444		24,815,000	1,035,271	1,049,188
12	29,290,000	27,430,236		26,280,000	1,470,834	1,481,694
13	30,830,000	28,862,016		30,005,000	1,241,225	1,251,288
14	54,840,000	-		54,840,000	1,408,322	296,489
Total	307,342,000	245,450,228	-	185,902,000	8,677,833	8,980,618

Schedule of Bond Maturities

Line No.	Bond Numbers 7	Maturity Date 8	Interest Rate 9	Principal Amount 10	Amount Paid 11	Remaining Bonds Outstanding 12
1						
2		See Attachments 23.1 Through 23.10				
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Northern Kentucky Water Service District
FmHA Loan \$2,287,000 - 2000

Attachment 23.3

Year	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
2000			0.00	0.00	0.00
2001			0.00	0.00	0.00
2002			21,000.00	21,000.00	0.00
2003			22,000.00	22,000.00	0.00
2004			24,000.00	24,000.00	0.00
2005			24,000.00	24,000.00	0.00
2006			26,000.00	26,000.00	0.00
2007			27,000.00	27,000.00	0.00
2008			28,000.00	28,000.00	0.00
2009			30,000.00	30,000.00	0.00
2010			31,000.00	31,000.00	0.00
2011			33,000.00	33,000.00	0.00
2012			34,000.00	34,000.00	0.00
2013			36,000.00		36,000.00
2014			38,000.00		38,000.00
2015			40,000.00		40,000.00
2016			42,000.00		42,000.00
2017			44,000.00		44,000.00
2018			46,000.00		46,000.00
2019			49,000.00		49,000.00
2020			51,000.00		51,000.00
2021			54,000.00		54,000.00
2022			56,000.00		56,000.00
2023			59,000.00		59,000.00
2024			62,000.00		62,000.00
2025			65,000.00		65,000.00
2026			68,000.00		68,000.00
2027			72,000.00		72,000.00
2028			75,000.00		75,000.00
2029			79,000.00		79,000.00
2030			83,000.00		83,000.00
2031			87,000.00		87,000.00
2032			92,000.00		92,000.00
2033			96,000.00		96,000.00
2034			102,000.00		102,000.00
2035			107,000.00		107,000.00
2036			112,000.00		112,000.00
2037			118,000.00		118,000.00
2038			124,000.00		124,000.00
2039			130,000.00		130,000.00
Totals			2,287,000.00	300,000.00	1,987,000.00

Northern Kentucky Water Service District **Attachment 23.6**
Bond Issue \$10,575,000.00 Dated 12/5/2002

Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	12/5/2002				
Registered	2/1/2003	3.00%	535,000.00	535,000.00	0.00
Registered	2/1/2004	3.00%	455,000.00	455,000.00	0.00
Registered	2/1/2005	3.00%	490,000.00	490,000.00	0.00
Registered	2/1/2006	3.00%	530,000.00	530,000.00	0.00
Registered	2/1/2007	3.50%	580,000.00	580,000.00	0.00
Registered	2/1/2008	3.50%	625,000.00	625,000.00	0.00
Registered	2/1/2009	3.50%	745,000.00	745,000.00	0.00
Registered	2/1/2010	3.75%	775,000.00	775,000.00	0.00
Registered	2/1/2111	4.00%	805,000.00	805,000.00	0.00
Registered	2/1/2012	4.00%	835,000.00	835,000.00	0.00
Registered	2/1/2013	4.00%	870,000.00		870,000.00
Registered	2/1/2114	4.00%	900,000.00		900,000.00
Registered	2/1/2115	4.00%	930,000.00		930,000.00
Registered	2/1/2116	4.00%	965,000.00		965,000.00
Registered	2/1/2117	4.00%	535,000.00		535,000.00
TOTALS			10,575,000.00	6,375,000.00	4,200,000.00

Northern Kentucky Water Service District
Bond Issue \$1,615,000.00 Dated 3/13/2003

Attachment 23.7

Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	2/1/2004	1.20%	35,000.00	35,000.00	0.00
Registered	2/1/2005	1.38%	35,000.00	35,000.00	0.00
Registered	2/1/2006	1.75%	35,000.00	35,000.00	0.00
Registered	2/1/2007	2.20%	35,000.00	35,000.00	0.00
Registered	2/1/2008	2.60%	35,000.00	35,000.00	0.00
Registered	2/1/2009	3.00%	40,000.00	40,000.00	0.00
Registered	2/1/2010	3.30%	40,000.00	40,000.00	0.00
Registered	2/1/2111	3.55%	40,000.00	40,000.00	0.00
Registered	2/1/2012	3.37%	40,000.00	40,000.00	0.00
Registered	2/1/2013	3.85%	45,000.00		45,000.00
Registered	2/1/2114	3.95%	45,000.00		45,000.00
Registered	2/1/2115	4.05%	45,000.00		45,000.00
Registered	2/1/2116	4.15%	50,000.00		50,000.00
Registered	2/1/2117	4.25%	50,000.00		50,000.00
Registered	2/1/2118	4.50%	55,000.00		55,000.00
Registered	2/1/2119	4.50%	55,000.00		55,000.00
Registered	2/1/2020	4.50%	60,000.00		60,000.00
Registered	2/1/2121	4.50%	60,000.00		60,000.00
Registered	2/1/2022	4.50%	65,000.00		65,000.00
Registered	2/1/2023	4.55%	65,000.00		65,000.00
Registered	2/1/2024	4.55%	70,000.00		70,000.00
Registered	2/1/2025	4.55%	75,000.00		75,000.00
Registered	2/1/2026	4.55%	75,000.00		75,000.00
Registered	2/1/2027	4.55%	80,000.00		80,000.00
Registered	2/1/2028	4.60%	85,000.00		85,000.00
Registered	2/1/2029	4.60%	85,000.00		85,000.00
Registered	2/1/2030	4.60%	90,000.00		90,000.00
Registered	2/1/2031	4.60%	95,000.00		95,000.00
Registered	2/1/2032	4.60%	30,000.00		30,000.00
TOTALS			1,615,000.00	335,000.00	1,280,000.00

Northern Kentucky Water Service District
Bond Issue : \$30,270,000.00 Dated 8/1/2003

Attachment 23.8

Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	2/1/2004	2.00%	825,000.00	825,000.00	0.00
Registered	2/1/2005	2.00%	845,000.00	845,000.00	0.00
Registered	2/1/2006	2.00%	860,000.00	860,000.00	0.00
Registered	2/1/2007	2.00%	880,000.00	880,000.00	0.00
Registered	2/1/2008	2.25%	895,000.00	895,000.00	0.00
Registered	2/1/2009	2.75%	915,000.00	915,000.00	0.00
Registered	2/1/2010	3.00%	940,000.00	940,000.00	0.00
Registered	2/1/2111	3.13%	965,000.00	965,000.00	0.00
Registered	2/1/2012	3.13%	995,000.00	995,000.00	0.00
Registered	2/1/2013	3.13%	1,030,000.00		1,030,000.00
Registered	2/1/2114	3.25%	1,060,000.00		1,060,000.00
Registered	2/1/2115	3.50%	1,095,000.00		1,095,000.00
Registered	2/1/2116	4.00%	1,135,000.00		1,135,000.00
Registered	2/1/2117	4.00%	1,175,000.00		1,175,000.00
Registered	2/1/2118	4.00%	1,225,000.00		1,225,000.00
Registered	2/1/2119	4.13%	1,275,000.00		1,275,000.00
Registered	2/1/2020	4.13%	1,325,000.00		1,325,000.00
Registered	2/1/2121	4.13%	1,380,000.00		1,380,000.00
Registered	2/1/2022	4.13%	1,440,000.00		1,440,000.00
Registered	2/1/2023	4.13%	1,500,000.00		1,500,000.00
Registered	2/1/2024	4.13%	1,565,000.00		1,565,000.00
Registered	2/1/2025	4.13%	1,630,000.00		1,630,000.00
Registered	2/1/2026	4.13%	1,700,000.00		1,700,000.00
Registered	2/1/2027	4.13%	1,770,000.00		1,770,000.00
Registered	2/1/2028	4.13%	1,845,000.00		1,845,000.00
TOTALS			30,270,000.00	8,120,000.00	22,150,000.00

Northern Kentucky Water Service District
Bond Issue: \$23,790,000.00 Dated 12/18/2003

Attachment 23.9

Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	2/1/2004	2.00%	1,430,000.00	1,430,000.00	0.00
Registered	2/1/2005	2.00%	1,160,000.00	1,160,000.00	0.00
Registered	2/1/2006	2.00%	1,180,000.00	1,180,000.00	0.00
Registered	2/1/2007	2.25%	1,215,000.00	1,215,000.00	0.00
Registered	2/1/2008	2.50%	1,235,000.00	1,235,000.00	0.00
Registered	2/1/2009	2.75%	1,270,000.00	1,270,000.00	0.00
Registered	2/1/2010	3.00%	1,305,000.00	1,305,000.00	0.00
Registered	2/1/2111	3.25%	1,350,000.00	1,350,000.00	0.00
Registered	2/1/2012	3.50%	1,395,000.00	1,395,000.00	0.00
Registered	2/1/2013	3.50%	1,445,000.00		1,445,000.00
Registered	2/1/2114	4.00%	1,505,000.00		1,505,000.00
Registered	2/1/2115	4.00%	1,565,000.00		1,565,000.00
Registered	2/1/2116	4.00%	1,625,000.00		1,625,000.00
Registered	2/1/2117	4.00%	1,690,000.00		1,690,000.00
Registered	2/1/2118	4.00%	1,595,000.00		1,595,000.00
Registered	2/1/2119	4.13%	1,665,000.00		1,665,000.00
Registered	2/1/2020	4.25%	1,160,000.00		1,160,000.00
TOTALS			23,790,000.00	11,540,000.00	12,250,000.00

Northern Kentucky Water Service District					Attachment 23.10
Bond Issue	\$10,455,000.00	11/18/2024			
Bond	Maturity	Interest	Principal	Amounts	Outstanding
Number	Date	Rate	Amount	Paid	
Registered	2/1/2005	2.000%	270,000.00	270,000.00	0.00
Registered	2/1/2006	2.000%	275,000.00	275,000.00	0.00
Registered	2/1/2007	2.125%	285,000.00	285,000.00	0.00
Registered	2/1/2008	2.375%	290,000.00	290,000.00	0.00
Registered	2/1/2009	2.625%	295,000.00	295,000.00	0.00
Registered	2/1/2010	3.000%	305,000.00	305,000.00	0.00
Registered	2/1/2111	3.000%	315,000.00	315,000.00	0.00
Registered	2/1/2012	3.250%	325,000.00	325,000.00	0.00
Registered	2/1/2013	3.375%	335,000.00		335,000.00
Registered	2/1/2014	3.500%	345,000.00		345,000.00
Registered	2/1/2015	4.000%	360,000.00		360,000.00
Registered	2/1/2016	4.000%	375,000.00		375,000.00
Registered	2/1/2017	4.000%	390,000.00		390,000.00
Registered	2/1/2018	4.000%	405,000.00		405,000.00
Registered	2/1/2019	4.000%	425,000.00		425,000.00
Registered	2/1/2022	4.500%	1,385,000.00		1,385,000.00
Registered	2/1/2024	4.500%	1,035,000.00		1,035,000.00
Registered	2/1/2026	4.000%	1,135,000.00		1,135,000.00
Registered	2/1/2029	4.500%	1,905,000.00		1,905,000.00
TOTALS			10,455,000.00	2,360,000.00	8,095,000.00

Northern Kentucky Water Service District				Attachment 23.11	
Bond Issue	9/1/2006	\$29,000,000.00			
Bond	Maturity	Interest	Principal	Amounts	Outstanding
Number	Date	Rate	Amount	Paid	
Registered	2/1/2007	4.000%	300,000.00	300,000.00	0.00
Registered	2/1/2008	4.000%	720,000.00	720,000.00	0.00
Registered	2/1/2009	4.000%	750,000.00	750,000.00	0.00
Registered	2/1/2010	4.000%	775,000.00	775,000.00	0.00
Registered	2/1/2111	4.000%	805,000.00	805,000.00	0.00
Registered	2/1/2012	4.000%	835,000.00	835,000.00	0.00
Registered	2/1/2013	4.000%	870,000.00		870,000.00
Registered	2/1/2114	4.000%	900,000.00		900,000.00
Registered	2/1/2115	4.000%	940,000.00		940,000.00
Registered	2/1/2116	4.000%	980,000.00		980,000.00
Registered	2/1/2117	4.000%	1,020,000.00		1,020,000.00
Registered	2/1/2118	4.000%	970,000.00		970,000.00
Registered	2/1/2119	4.000%	1,010,000.00		1,010,000.00
Registered	2/1/2020	4.125%	1,320,000.00		1,320,000.00
Registered	2/1/2021	4.125%	1,205,000.00		1,205,000.00
Registered	2/1/2022	4.125%	1,255,000.00		1,255,000.00
Registered	2/1/2023	4.125%	1,420,000.00		1,420,000.00
Registered	2/1/2024	4.125%	1,375,000.00		1,375,000.00
Registered	2/1/2025	4.125%	1,440,000.00		1,440,000.00
Registered	2/1/2027	4.250%	3,075,000.00		3,075,000.00
Registered	2/1/2029	4.250%	3,360,000.00		3,360,000.00
Registered	2/1/2031	4.273%	3,675,000.00		3,675,000.00
TOTALS			29,000,000.00	4,185,000.00	24,815,000.00

Northern Kentucky Water Service District				Attachment 23.12	
Bond Issue	01/06/09	\$29,200,000.00			
Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	2/1/2009	3.750%	1,000,000.00	1,000,000.00	0.00
Registered	2/1/2010	3.750%	645,000.00	645,000.00	0.00
Registered	2/1/2111	3.750%	670,000.00	670,000.00	0.00
Registered	2/1/2012	3.750%	695,000.00	695,000.00	0.00
Registered	2/1/2013	3.750%	720,000.00		720,000.00
Registered	2/1/2114	4.000%	750,000.00		750,000.00
Registered	2/1/2115	4.125%	780,000.00		780,000.00
Registered	2/1/2116	4.250%	815,000.00		815,000.00
Registered	2/1/2117	4.750%	850,000.00		850,000.00
Registered	2/1/2118	5.000%	895,000.00		895,000.00
Registered	2/1/2119	5.000%	940,000.00		940,000.00
Registered	2/1/2020	5.125%	990,000.00		990,000.00
Registered	2/1/2021	5.250%	1,040,000.00		1,040,000.00
Registered	2/1/2022	5.375%	1,100,000.00		1,100,000.00
Registered	2/1/2023	5.500%	1,160,000.00		1,160,000.00
Registered	2/1/2024	5.700%	1,225,000.00		1,225,000.00
Registered	2/1/2025	5.775%	1,300,000.00		1,300,000.00
Registered	2/1/2027	5.750%	1,375,000.00		1,375,000.00
Registered	2/1/2029	6.000%	1,460,000.00		1,460,000.00
Registered	2/1/2031	6.000%	1,550,000.00		1,550,000.00
Registered	2/1/2029	6.000%	1,645,000.00		1,645,000.00
Registered	2/1/2030	6.000%	1,745,000.00		1,745,000.00
Registered	2/1/2031	6.000%	1,855,000.00		1,855,000.00
Registered	2/1/2032	6.500%	1,975,000.00		1,975,000.00
Registered	2/1/2033	6.500%	2,110,000.00		2,110,000.00
TOTALS			29,290,000.00	3,010,000.00	26,280,000.00

Northern Kentucky Water Service District				Attachment 23.13	
Bond Issue	05/31/11	\$30,830,000.00			
Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	2/1/2012	3.000%	825,000.00	825,000.00	0.00
Registered	2/1/2013	3.000%	850,000.00		850,000.00
Registered	2/1/2114	3.000%	875,000.00		875,000.00
Registered	2/1/2115	3.000%	900,000.00		900,000.00
Registered	2/1/2116	3.000%	930,000.00		930,000.00
Registered	2/1/2117	3.000%	960,000.00		960,000.00
Registered	2/1/2118	3.000%	985,000.00		985,000.00
Registered	2/1/2119	3.000%	1,015,000.00		1,015,000.00
Registered	2/1/2020	4.000%	1,055,000.00		1,055,000.00
Registered	2/1/2021	4.000%	1,095,000.00		1,095,000.00
Registered	2/1/2022	4.000%	1,140,000.00		1,140,000.00
Registered	2/1/2023	4.000%	1,185,000.00		1,185,000.00
Registered	2/1/2024	4.000%	1,235,000.00		1,235,000.00
Registered	2/1/2025	4.000%	1,285,000.00		1,285,000.00
Registered	2/1/2027	4.125%	1,340,000.00		1,340,000.00
Registered	2/1/2029	4.250%	1,395,000.00		1,395,000.00
Registered	2/1/2031	4.250%	1,460,000.00		1,460,000.00
Registered	2/1/2029	4.250%	1,520,000.00		1,520,000.00
Registered	2/1/2030	4.500%	1,590,000.00		1,590,000.00
Registered	2/1/2031	4.500%	1,660,000.00		1,660,000.00
Registered	2/1/2032	5.000%	3,580,000.00		3,580,000.00
Registered	2/1/2033	5.000%	3,950,000.00		3,950,000.00
TOTALS			30,830,000.00	825,000.00	30,005,000.00

Northern Kentucky Water Service District				Attachment 23.14	
Bond Issue	06/21/12	\$54,840,000.00			
Bond Number	Maturity Date	Interest Rate	Principal Amount	Amounts Paid	Outstanding
Registered	2/1/2013	4.000%	1,725,000.00		1,725,000.00
Registered	2/1/2014	4.000%	1,800,000.00		1,800,000.00
Registered	2/1/2015	4.000%	1,875,000.00		1,875,000.00
Registered	2/1/2016	4.000%	1,960,000.00		1,960,000.00
Registered	2/1/2017	5.000%	2,530,000.00		2,530,000.00
Registered	2/1/2018	5.000%	3,475,000.00		3,475,000.00
Registered	2/1/2019	5.000%	3,650,000.00		3,650,000.00
Registered	2/1/2020	5.000%	4,150,000.00		4,150,000.00
Registered	2/1/2021	5.000%	4,365,000.00		4,365,000.00
Registered	2/1/2022	5.000%	4,590,000.00		4,590,000.00
Registered	2/1/2023	5.000%	4,720,000.00		4,720,000.00
Registered	2/1/2024	5.000%	4,970,000.00		4,970,000.00
Registered	2/1/2025	5.000%	5,220,000.00		5,220,000.00
Registered	2/1/2026	5.000%	5,495,000.00		5,495,000.00
Registered	2/1/2027	5.000%	4,315,000.00		4,315,000.00
TOTALS			54,840,000.00	0.00	54,840,000.00

Notes Payable (Acct. 232 & 234)

2011 a	Nominal Date of Issue b	Date of Maturity c	INTEREST		Principal Amount per Balance Sheet f
			Rate d	Amount of payment e	
Account 232 - Note Payable					
Campbell Co. Fiscal Court			0.00%	\$	\$ 100,000
BAN 2011			2.00%		25,615,000
Total Account 232				\$	\$ 25,715,000
Account 234 - Notes Payable To Associated Companies					
		N/A		\$	\$
Total Account 234				\$	\$

Accounts Payable to Associated Companies (Acct. 233)

Show Payable to Each Associated Company Separately	Amount
	\$
N/A	
Total	\$

TAXES ACCRUED (ACCOUNT 236)

ACCT. NO. (a)	2012 DESCRIPTION (b)	TOTAL ©
	Balance first of year.....	\$ -
	Accruals Charged:	
408.1	Utility regulatory assessment fees.....	
408.11	Property taxes.....	
408.12	Payroll taxes.....	564,698
408.13	Other taxes and licenses.....	
408.2	Taxes other than income, other income and deductions	
	Total taxes accrued.....	\$ 564,698
	Taxes paid during year:	
408.1	Utility regulatory assessment fees.....	
408.11	Property taxes.....	
408.12	Payroll taxes.....	564,698
408.13	Other taxes and licenses.....	
408.2	Taxes other than income, other income and deductions	
	Total taxes paid.....	\$ 564,698
	Balance end of year.....	\$ -

ACCRUED INTEREST (ACCOUNT 237)

DESC. DEBT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR (c)	INTEREST PAID DURING YEAR (d)	BALANCE END OF YEAR (e)
Acct. No. 237.1 - Accrued Interest on Long-term Debt				
Series 1997	16,428	17,610	34,038	-
Series 1998	164,624	181,625	346,249	-
2000 RUS Loan	16,839	99,917	100,200	16,556
Series 2001	289,097	328,217	617,314	-
Series 2002 A	857,111	950,140	1,807,251	-
Series 2002 B	84,977	173,327	187,244	71,060
Series 2003 A	24,419	57,249	57,866	23,802
Series 2003 B	376,089	874,109	887,065	363,133
Series 2003 C	223,576	491,825	512,169	203,232
Series 2004 A	149,103	348,162	352,563	144,702
Series 2006	444,119	1,035,271	1,049,188	430,202
Series 2009	622,803	1,470,834	1,481,694	611,943
Series 2011	526,651	1,241,225	1,251,288	516,588
Series 2012	-	1,408,322	296,489	1,111,833
Total Acct No. 237.1	\$ 3,795,836	\$ 8,677,833	\$ 8,980,618	\$ 3,493,051
Acct. No. 237.2 - Accrued Interest on Other Liabilities:				
BAN # 1-4 KIA	\$ 198,179	1,234,206	1,222,195	\$ 210,190
Total Acct No. 237.2	\$ 198,179	\$ 1,234,206	\$ 1,222,195	\$ 210,190
Total Acct No 237	\$ 3,994,015	\$ 9,912,039	\$ 10,202,814	\$ 3,703,241

Gross interest expense	9,897,610
Less Surcharges	(642,445)
Less Capitalized Interest	(1,321,854)
Interest Expense	<u>7,933,311</u>

Miscellaneous Current & Accrued Liabilities (Account 242)

2012 Description (a)	Balance End of Year (b)
Accrued Payroll Taxes & Misc	\$ (8,886,464)
Accrued Payroll	220,624
Accrued Sales Taxes	100,743
Accrued Pension	146,177
Accrued Vacation/Sick	776,091
Subdistrict Surcharges Payable	628,477
Total Miscellaneous Current & Accrued Liabilities.....	\$ (7,014,352)

Regulatory Commission Expense (Accounts 666 and 667)

2012 DESCRIPTION OF CASE (DOCKET #) (a)	TOTAL INCURRED DURING YEAR (b)	AMOUNT TRANSFERRED TO ACCOUNT # 186.1 (c)	EXPENSED DURING YEAR	
			ACCT. (d)	AMOUNT (e)
Rate Case 2010-00094	\$ -	\$ 39,673	667	\$ 39,673
Rate Case 2012-00072	\$ 51,587	\$ 51,587	667	\$ -

WATER OPERATING REVENUE

Acct No. (a)	2012 Description (b)	Beginning Year No. Customer (c)	Year End Number Customers (d)	Amounts (e)
	Operating Revenues:			
460	Unmeter Water Revenue.....			\$
461	Meter Water Revenue:			\$
461.1	Sales to Residential Customers	73,942	74,140	\$ 29,194,599
461.2	Sales to Commercial Customers	4,165	4,158	\$ 7,185,168
461.3	Sales to Industrial Customers	109	110	\$ 3,388,321
461.4	Sales to Public Authorities	490	494	\$ 2,251,014
461.5	Sales to Multiple Family Dwellings	1,649	1,655	\$ 3,812,372
461.6	Sales through Bulk Loading Stations			\$ 86,443
	Total Metered Sales	80,355	80,557	\$ 45,917,917
462	Fire Protection Revenue:			\$
462.1	Public Fire Protection			\$
462.2	Private Fire Protection	0	0	\$ 42,468
	Total Fire Protection Revenue	0	0	\$ 42,468
464	Other Sales to Public Authorities			\$
465	Sales to			\$
466	Sales for Resale	3	3	\$ 1,283,290
467	Interdepartmental Sale			\$
	Total Sales of Water	80,358	80,560	\$ 47,243,675
	Other Water Revenues:			
469	Guaranteed Revenues			\$
470	Forfeited Discounts			\$ 837,746
471	Miscellaneous Service Revenues			\$
472	Rents from Water Property			\$ 562,965
473	Interdepartmental Rents			\$
474	Other Water Revenues			\$ 365,295
	Total Other Water Revenues			\$ 1,766,006
	Total Water Operating Revenues			\$ 49,009,681

WATER UTILITY EXPENSE ACCOUNTS

2012		WATER EXPENSE ACCOUNT MATRIX								
Acct No (a)	Account Name (b)	Current Year (c)	.1 Source of Supply & Pumping Expense-Operation (d)	.2 Source of Supply & Pumping Expense-Maintenance. (e)	.3 Water Treatment Expense-Operation (f)	.4 Water Treatment Expense-Maintenance. (g)	.5 Trans & Distribution. Expense-Operation (h)	.6 Trans & Distribution. Expense-Maintenance. (i)	.7 Customer Accounts Expense (j)	.8 Adminis-Trative & General Expenses (k)
601	Salaries & Wage - Employees	\$7,923,134			\$1,490,355	\$623,250	\$849,851	\$2,435,243	\$1,480,913	\$1,043,522
603	Salaries & Wage - Officers	\$36,000								\$36,000
604	Employee Pensions & Benefits	\$3,870,440			\$693,432	\$115,804	\$870,232	\$1,039,986	\$700,457	\$450,529
610	Purchased Water									
615	Purchased Power	\$2,432,027	\$789,010		\$296,814		\$1,208,448			
616	Fuel for Power Production	\$76,881			\$73,838		\$3,043			\$137,755
618	Chemicals	\$1,493,552			\$1,493,552					
620	Materials & Supplies	\$2,036,342		\$12,700	\$225,874	\$284,911	\$128,008	\$1,059,017	\$234,993	\$90,839
631	Contractual Services - Accounting	\$28,290								\$28,290
633	Contractual Services - Engineering	\$137,415			\$2,826		\$34,391		\$7,816	\$92,382
634	Contractual Services - Mgt. Fees	\$448								\$448
635	Contractual Services - Water Testing	\$3,111,492	\$2,537		\$323,167	\$233,340	\$71,653	\$1,150,839	\$364,288	\$965,668
636	Contractual Services - Other	\$0								
641	Rental of Bldg./Real Property	\$0								
642	Rental of Equipment	\$9,789								
650	Transportation Expenses	\$578,957			\$44,801	\$7,290	\$56,720	\$9,039	\$112,859	\$750
656	Insurance - Vehicles	\$33,417			\$5,529		\$18,538	\$342,819	\$7,805	\$14,468
657	Insurance - General Liability	\$378,816			\$121,135		\$200,848		\$37,855	\$18,978
658	Insurance - Workers Compensation	\$63,192			\$16,713		\$26,013		\$14,564	\$5,902
659	Insurance - Other	\$65,752			\$57,718					\$8,034
660	Advertising Expenses	\$18,786								\$18,786
666	Regulatory Commission Expense - Amortization of Rate Case Expenses	\$0								\$0
667	Regulatory Commission Expense - Other	\$112,112								\$112,112
668	Water Resource Conservation									
670	Bad Debt Expense	\$552,926								\$552,926
675	Miscellaneous Expenses	\$860,115			\$6,261		\$6,902	\$10,843	\$6,301	\$829,808
699	Taxes	\$0								
	Total Water Utility Expenses	\$23,819,883	\$791,547	\$12,700	\$4,852,015	\$1,264,595	\$3,474,647	\$6,047,786	\$3,520,777	\$3,855,816

Pumping and Purchased Water Statistics

2012	Water Purchased for Resale (Omit 000's)	Water Pumped From Plants (Omit 000's)	Total Water Pumped and Purchased (Omit 000's)	Water Sold to Customers (Omit 000's)
a	b	c	d	e
January		758,671.3	758,671.3	518,144.8
February		726,203.5	726,203.5	463,474.7
March		760,373.8	760,373.8	791,790.5
April		745,237.6	745,237.6	508,419.3
May		887,029.0	887,029.0	480,301.1
June		1,045,563.5	1,045,563.5	887,959.3
July		1,138,775.5	1,138,775.5	654,936.9
August		1,033,258.5	1,033,258.5	610,975.6
September		828,249.0	828,249.0	1,248,689.4
October		783,661.0	783,661.0	678,266.7
November		736,302.0	736,302.0	551,395.3
December		751,065.0	751,065.0	899,337.8
Total for year		10,194,389.7	10,194,389.7	8,293,691.4
Maximum gallons pumped by all methods in any one day: (Omit 000's) 6/28/2012				46,287.0
Minimum gallons pumped by all methods in any one day (Omit 000's): 12/25/2012				20,478.0
If water is purchased for resale, indicate the following: Vendor: _____ Point of delivery: _____				
If water is sold to other water utilities for redistribution, list names of such utilities below:				
			Maximum Daily	Maximum Monthly
Pendleton County Water District @ KY17	000's		269	8,056
City of Walton	000's		574	17,220
Bullock Pen Water District	000's		501	15,517

Sales for Resale (466)

2012

Line	Company	Gallons(000's)	Avg. Rate (Cents)	Amount
1	Pendleton County Water Dist.	171,652.5	3.05/1,000gals	\$539,295.05
2	City of Walton	153,447.8	3.05/1,000gals	\$477,776.42
3	Bullock Pen Water District	84,345.9	3.05/1,000gals	\$266,218.95
4				
5				
6				
7				
8				
Total		409,446.2		\$1,283,290.42

WATER STATISTICS

Line	Item	Gallons (000's)
1	WATER PRODUCED, PURCHASED, & DISTRIBUTED	
2	Water Produced	10,194,389.7
3	Water Purchased	
4	TOTAL PRODUCED AND PURCHASED	10,194,389.7
5		
6	WATER SALES:	
7	Residential	5,474,010.5
8	Commercial	1,516,157.1
9	Industrial	868,858.3
10	Irrigation	
11	Resale	409,446.2
12	Other Sales	25,219
13	TOTAL WATER SALES	8,293,691.4
14		
15	OTHER WATER USED (estimate portions not metered)	
16	Utility/water treatment plant	129,839.0
17	Wastewater plant	
18	System flushing	259,272.0
19	Fire Department	
20	Other (construction, flushing, disinfection, ect.)	52,983.4
21	TOTAL OTHER WATER USED	442,094.4
22		
23	Water Loss:	
24	Tank Overflows	
25	Line Breaks	73,166
26	Line Leaks	
27	Other	1,385,438
28	Total Line Loss	1,458,604
29		
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4	10,194,390.2
31		
32	UNACCOUNTED-FOR WATER LOSS PERCENTAGE	1,458,603.90
33	Line 28 divided by Line 4	14.31%

PLANT STATISTICS

Give the following information:

- 1 Number of fire hydrants, by size.
- 2 Number of private fire hydrants, by size.
- 3 Whether water supply is river, impounded streams, well, springs, artificial lake or collector type well.
- 4 Whether supply is by gravity, pumping, or a combination .
- 5 Type, capacity, and elevation of resrviors at overflow and ground level.
- 6 Miles of main by size and kind.
- 7 Types of filters: gravity or pressure, number of units, and total rated capacity in gallons per minute.
- 8 Type of chlorinators, number of units and capacity in pounds per 24 hours.
- 9 Station equipment. List each pump separately, giving type and capacity and H.P. of driving unit and character of driving unit (steam, electric, or internal combustion). State whether pump is high or low duty.
- 10 Quantity of fuel used: coal in pounds, gas in cu. ft., oil in gallons, and electric in KWH .
- 11 Give a description and total cost of any sizable additions or retirements to plant in service outside the normal system growth for the period covered by this report.
- 12 Capacity of clear well.
- 13 Peak month, in gallons of water sold.
- 14 Peak day, in gallons of water sold.

1) Kenton County 7,574; Campbell County 3,295.

2) 82.

3) Rivers: Ohio River and the Liking River.

4) Plants are pumped; Distribution is combination of pumped and gravity.

5) See attached 33A.

6) See attached 33B.

7) Fort Thomas Treatment Plant

12 - Gravity, each 560 sq. ft. - Rated at 5 gpm/ft²

Taylor Mill Treatment Plant

8 - Gravity, each 270 sq. ft. - Rated at 5 gpm/ft²

Memorial Parkway Treatment Plant

6 - Gravity, each 612 sq. ft.

Actiflo 24gpm/ft²

8) See attached 33C

9) See attached 33D

10) N/A

11) None

PLANT STATISTICS Cont.

12) Fort Thomas Treatment Plant
1 - 3 million gallons
1 - 3 1/2 million gallons
Taylor Mill Treatment Plant
1 - 1 million gallons
Memorial Parkway Treatment Plant
1 - 3 million gallons
13) September 2012 - 1,248,689,480gals
14) N/A

Water Storage Facilities
 Northern Kentucky Water District
 Updated: 3/20/2012

Attachment 33A

Storage Location	Address	City Location	Type Of Storage	Year In Service	Structure Height (Feet)	Base Elevation (Feet)	Top Elevation (Feet)	Overflow Elevation (Feet)	Normal Elevation (Feet)	Normal Elevation (Feet)	Diameter (Feet)	Capacity (Gallons)
Aqua Drive	100 Aqua Drive	Cold Spring	Hydropillar	1990	184	847		1017				2,000,000
Barrington Road	2 Barrington Road	Ft. Wright	Hydropillar	1969	141	916.5	1057.5	1046.7	1045.0	1040.0	74	1,000,000
Bromley	1674 Highwater Road	Bromley	Ground Storage	1966	103	670.0	773.0	764.0	763.0	750.0	75	3,000,000
Dayton Avenue	2816 Dayton St.	Dayton	Ground Storage	1930	50			829.0			41	500,000
Devon	US 25	Florence	Hydropillar	1991	156	939.5		1082.0		1042.0	100	2,000,000
Dudley Pike	796 Dudley Pike	Edgewood	Ground Storage	1964	59	831.0	889.5	876.0	874.0	866.0	140	5,000,000
Dudley Pike	796 Dudley Pike	Edgewood	Ground Storage	1990	59	831.0	889.5	876.0	874.0	866.0	140	5,000,000
Ft. Thomas Plant	700 Alexandria Pike	Ft. Thomas	Clearwell	1936	31	734.0	765.3	764.5	762.0	760.0		3,000,000
Ft. Thomas Plant	700 Alexandria Pike	Ft. Thomas	Clearwell	1990	35	730.0	778.5	764.5	763.5	757.5	130	3,500,000
Harrison Ave.	2361 Harrison Ave.	Bellevue	Ground Storage	1930	60			829.0			43	600,000
Ida Spence	Tower Place	Covington	Elevated Tank	1952	175	840.0	1015.0	1005.0	1003.0	1000.0	57	500,000
Independence	5685 Madison Pike	Independence	Hydropillar	1981	137	943.5	1080.0	1080.0		1039.5	74	1,000,000
Industrial Park	Industrial Rd. & US 25	Florence	Hydropillar	1961	146	945.5	1091.5	1083.5	1081.0	1062.0	50	500,000
John's Hill Road	Knollwood Dr.	Highland Hts.	Elevated Tank	1959	113	904.0		1017.0			50	500,000
Kenton Lands Rd.	25 Kenton Lands Road	Erlanger	Elevated Tank	1953	158	896.0	1054.0	1045.0	1043.0	1033.0	50	500,000
Lumley Tank	R47 Lumley Ave.	Fort Thomas	Elevated Tank	1937	187	829.0		1017.0			40	275,000
Main St. Tank	Main St. & US 27	Alexandria	Elevated Tank	1962	152	863.0		1017.0			44	300,000
Memorial Pkwy. Plant	2055 Memorial Pkwy.	Fort Thomas	Clearwell					741.0				3,000,000
Old St. 4 Tank	Old St. Road #4	Claryville	Elevated Tank	1976	143	987.0		1017.0			80	1,000,000
Rossford Tank	Marion Dr.	Fort Thomas	Elevated Tank	1962	191	987.0		1017.0			44	300,000
South Newport Tank	Kentucky Drive	Newport	Elevated Tank	1972	155	810.0		965.0			68	1,000,000
Taylor Mill Plant	608 Grand Ave.	Taylor Mill	Clearwell		15	509.5	524.5	522.0	520.0	518.0		1,000,000
Taylor Mill Standpipe	5907 Taylor Mill Rd.	Taylor Mill	Standpipe		143	870.0		1010.0	130.0	110.0		329,000
Claryville Tank	Old St. Road #4	Alexandria	Elevated Tank	2008	152	867.0		1017.0			66	750,000
Total storage owned by NKWSD:												36,554,000

Pipe Inventory

Length and Diameter by Material

<i>Pipe Material</i>	<i>Diameter, inches</i>	<i>Length, feet</i>	<i>Length, Miles</i>
Asbestos Cement(Transite)	2.00	1,481.79	0.28
Asbestos Cement(Transite)	3.00	3,949.67	0.75
Asbestos Cement(Transite)	4.00	45,234.00	8.57
Asbestos Cement(Transite)	6.00	98,624.03	18.68
Asbestos Cement(Transite)	8.00	8,018.34	1.52
Cast Iron	0.75	933.70	0.18
Cast Iron	1.00	422.88	0.08
Cast Iron	2.00	20,340.22	3.85
Cast Iron	3.00	2,553.21	0.48
Cast Iron	4.00	276,114.61	52.29
Cast Iron	6.00	1,169,523.07	221.50
Cast Iron	8.00	253,511.75	48.01
Cast Iron	10.00	73,488.99	13.92
Cast Iron	12.00	198,994.67	37.69
Cast Iron	16.00	49,680.07	9.41
Cast Iron	18.00	107.61	0.02
Cast Iron	20.00	54,799.04	10.38
Cast Iron	24.00	33,246.75	6.30
Cast Iron	30.00	13,972.02	2.65
Cast Iron	36.00	85.82	0.02
Concrete	8.00	20.00	0.00
Concrete	18.00	377.78	0.07
Concrete	20.00	27,615.23	5.23
Concrete	24.00	8,355.95	1.58
Concrete	30.00	176.97	0.03
Concrete	36.00	37,588.41	7.12
Copper	0.75	114.29	0.02
Copper	1.00	3,696.36	0.70
Copper	1.50	2,555.34	0.48
Copper	2.00	12,632.32	2.39
Ductile Iron	0.75	373.10	0.07
Ductile Iron	2.00	9,770.68	1.85
Ductile Iron	3.00	5,698.49	1.08
Ductile Iron	4.00	61,649.12	11.68
Ductile Iron	6.00	785,499.22	148.77
Ductile Iron	8.00	1,150,313.72	217.86
Ductile Iron	10.00	48,718.81	9.23
Ductile Iron	12.00	605,947.27	114.76
Ductile Iron	14.00	224.46	0.04
Ductile Iron	16.00	241,531.24	45.74
Ductile Iron	18.00	718.58	0.14
Ductile Iron	20.00	56,517.80	10.70
Ductile Iron	24.00	131,669.74	24.94
Ductile Iron	30.00	31,463.47	5.96
Ductile Iron	36.00	23,045.28	4.36
Ductile Iron	42.00	18,936.15	3.59
Ductile Iron	60.00	102.76	0.02
Galvanized	1.00	94.86	0.02
Galvanized	1.50	269.42	0.05

Pipe Inventory <i>Length and Diameter by Material</i>

<i>Pipe Material</i>	<i>Diameter, inches</i>	<i>Length, feet</i>	<i>Length, Miles</i>
Lead	0.75	377.67	0.07
MS	1.00	16.63	0.00
Polyethylene	2.00	21,553.68	4.08
PVC	1.00	34.20	0.01
PVC	1.50	1,920.41	0.36
PVC	2.00	58,667.07	11.11
PVC	3.00	67,926.20	12.86
PVC	4.00	26,975.61	5.11
PVC	6.00	176,005.88	33.33
PVC	8.00	797,810.39	151.10
PVC	10.00	132.24	0.03
PVC	12.00	32,258.40	6.11
PVC	16.00	2,905.34	0.55
Steel	0.75	248.61	0.05
Steel	1.00	457.12	0.09
Steel	1.50	332.35	0.06
Steel	2.00	433.35	0.08
Steel	4.00	143.77	0.03
Steel	24.00	84.58	0.02
Steel	42.00	7,618.74	1.44
Total:		6,766,661.27	1281.56

Northern Kentucky Water District
 Chlorinators and Sodium Hypochlorite Feeders In System & Location
 Updated 3/20/2012

Attachment 33 C

Location	# of Units	Form of Chlorine	Type	Capacity (ea.)
Bromley Pump Station	1	Sodium Hypochlorite	Jesco Pump	1.3 GPH
West Covington Pump Station	1	Sodium Hypochlorite	Jesco Pump	2.8 GPH
Bristow Road Pump Station	2	Sodium Hypochlorite	Jesco Pump	5 GPH
Dudley Pump Station	2	Sodium Hypochlorite	Jesco Pump	15 GPH
Fort Thomas Treatment Plant	8	Sodium Hypochlorite	Watson Marlow	150 GPH
Taylor Mill Treatment Plant	5	Sodium Hypochlorite	Watson Marlow	52 GPH
Memorial Pky Treatment Plant	4	Sodium Hypochlorite	Watson Marlow	100 GPH

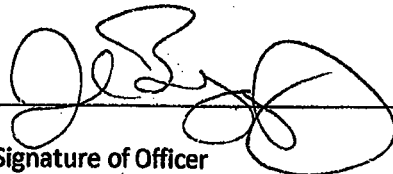
PUMP STATION LOCATION	CITY LOCATED	NO. OF UNITS	PUMP TYPE	YEAR INSTALLED	HORSE POWER	VOLTS REQUIRED	PUMP CONTROL	RATING PER PUMP (GPM)	TDH (FEET)	SERVICE TYPE
Ohio River Raw Water Pumping Station #1 <i>(Feeds FTTP)</i>	Brent	1	VT	2005	1250	4160	AUTO	9,455	430	HIGH
		2	VT	2005	1250	4160	AUTO	7,000	430	HIGH
		3	VT	2009	1250	4160	AUTO	9,200	430	HIGH
		4	VT	2007	1250	4160	AUTO	9,200	430	HIGH
		5	VT	1999	1250	4160	AUTO	8,400	430	HIGH
		6	VT	2005	1250	4160	AUTO	9,200	430	HIGH
Latonia Ave. and 35th St.	Covington (Const. 1953)	1	HC	2008	75	460	AUTO	900	250	HIGH
		2	HC	2008	75	460	AUTO	900	250	HIGH
Bromley	Bromley	1	VT	2010	75	460	AUTO	650	300	HIGH
		2	VT	1986	75	460	AUTO	700	315	HIGH
		3	VT	1986	75	460	AUTO	700	340	HIGH
Licking River Raw Water Pumping Station Variable Speed	Taylor Mill	1	VT	1990	350	460	AUTO	7640	126	LOW
		2	VT	1971	250	460	AUTO	6250	126	LOW
		3	VT	1993	150	460	AUTO	4900	126	LOW
Taylor Mill Treatment Plant	Taylor Mill	1	VT	1981	600	2300	AUTO	6945	250	HIGH
		2	VT	1994	450	2300	AUTO	8500	145	HIGH
		3	VT	1997	700	2300	AUTO	5600	385	HIGH
		4	VT	2008	1250	2300	AUTO	7700	392	HIGH
		5	VT	1974	1250	2300	AUTO	6945	365	HIGH
		6	VT	1982	600	2300	AUTO	6945	250	HIGH
Dudley Pike 1040 System	Edgewood	1	VT	2009	250	440	AUTO	2500	277	HIGH
		2	VT	2009	250	440	AUTO	2500	277	HIGH
		3	VT	1985	250	440	AUTO	2825	270	HIGH
		4	VT	1979	250	440	AUTO	2222	375	HIGH
Dudley Pike 1080 System	Edgewood	5	VT	1989	600	460	AUTO	6000	282	HIGH
		6	VT	1990	600	460	AUTO	6000	282	HIGH
		7	VT	1990	600	460	AUTO	6000	282	HIGH
		8	VT	2006	600	460	AUTO	5000	282	HIGH
Richardson Rd.	Independence	1	VT	2011	350	460	AUTO	2700	324	HIGH
		2	VT	2006	400	460	AUTO	2500	515	HIGH
		3	VT	1998	400	460	AUTO	2100	515	HIGH
Hands Pike	Covington	1	VT	1983	75	460	AUTO	500	426	HIGH
		2	VT	2009	75	460	AUTO	500	426	HIGH
West Covington	Covington	1	VC	1996	40	460	AUTO	2000	60	LOW
		2	VC	1987	40	460	AUTO	2000	60	LOW
Bristow Rd. <i>(Peerless Pumps)</i>	Independence	1	VT	2002	75	460	AUTO	2900	65	LOW
		2	VT	2002	75	460	AUTO	2900	65	LOW
		3	VT	2002	75	460	AUTO	2900	65	LOW
Waterworks Rd Pump Stn. Variable Speed	Fort Thomas	1	VT	2000	500	480	AUTO	4200	372	HIGH
		2	VT	2000	500	480	AUTO	4200	372	HIGH
		3	VT	2000	500	480	AUTO	4200	372	HIGH
US 27 10 MGD	670 Alex. Pk. Fort Thomas	1	VT	1990	350	460	AUTO	3500	300	HIGH
		2	VT	1990	350	460	AUTO	3500	300	HIGH
		3	VT	1990	350	460	AUTO	3500	300	HIGH
		4	VT	2006	350	460	AUTO	3500	308	HIGH
		5	VT	2006	350	460	AUTO	3500	308	HIGH
		6	VT	2006	350	460	AUTO	3500	308	HIGH
Ripple Creek	Cold Spring	1	VC	1991	75	460	AUTO	2050	100	LOW
		2	VC	2009	75	460	AUTO	2050	100	LOW
		3	VC	2008	75	460	AUTO	2500	90	LOW
Ohio River Raw Water Pumping Station #2 <i>(Feeds MPTP)</i>	Fort Thomas	1	VT	1985	800	2400	AUTO	6000	400	HIGH
		2	VT	2003	800	2400	AUTO	6000	400	HIGH
		3	VT	2002	600	2400	AUTO	5500	380	HIGH
Memorial Parkway Treatment Plant Raw Water Pumps	Fort Thomas	1	VC	2008	75	460	AUTO	3472	64	LOW
		2	VC	2008	200	460	AUTO	6944	64	LOW
		3	VC	2008	200	460	AUTO	6944	64	LOW
Carothers Rd. Pump Stn.	Newport	1	VT	1996	150	440	AUTO	1800	263	HIGH
		2	VT	1996	150	440	AUTO	1800	263	HIGH

OATH

Commonwealth of Kentucky

County of Kenton

I, Jack Bragg, Jr., having appeared before the undersigned officer duly authorized to administer oaths and being duly sworn, state under oath that I am Vice-President – Finance and Support Services of Northern Kentucky Water District; that I have supervision over the books of account and other financial records of the Respondent and have control over the manner in which they are kept; that such books and records have, during the period covered by the foregoing report, been maintained in good faith in accordance with the accounting and other orders of the Public Service Commission of Kentucky; that I have carefully examined the foregoing report to the best of my knowledge and belief the information contained in this report is, so far as it relates to matters of accounts, in accordance with the said books of account; that all other statements of fact contained in the foregoing report are true; and that the foregoing report is a correct and complete statement of the business and affairs of the Respondent in every respect and manner during the period of time from and including January 1, 2012, to and including December 31, 2012.

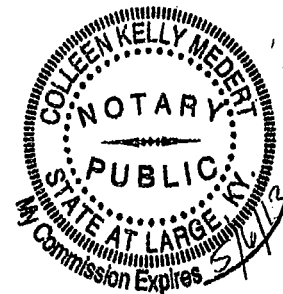

Signature of Officer

Subscribed and sworn to before me, a NOTARY, in and for the State and County named in the above this 28th day of March, 2013

My Commission Expires May 6, 2013

(Signature of officer authorized to administer oath)

(Apply Seal Here)



**NORTHERN KENTUCKY
WATER DISTRICT**

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

**SCHEDULE OF MORTGAGES, BONDS, NOTES, AND
OTHER INDEBTEDNESS**

Northern Kentucky Water District		
Bonds & Notes		
5/1/2013		
Bonds		
USDA 2000	\$1,987,000	
Series 2002B	\$3,330,000	
Series 2003A	\$1,235,000	
Series 2003B	\$21,120,000	
Series 2003C	\$10,805,000	
Series 2004A	\$7,760,000	
Series 2006	\$23,945,000	
Series 2009	\$25,560,000	
Series 2011	\$29,155,000	
Series 2012	\$53,115,000	
	\$178,012,000	
KIA Currently Servicing		
F06-03	\$3,304,508	
C08-01	\$4,710,266	
F08-07	\$4,000,000	
Notes		
BAN 2011	\$25,615,000	
Taylor Mill	\$925,000	Non-Interest Note
Deferred Note Kenton County	\$100,000	
KIA Not Servicing		
F9-02	\$23,500,000	
Check	\$213,526,774	
TB Total	\$213,526,774	

Case No. 2013-____
Exhibit G

**NORTHERN KENTUCKY
WATER DISTRICT**

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

**CURRENT BALANCE SHEET AND INCOME
STATEMENT**



**Balance Sheet
As of April 30, 2013**

Liabilities and Retained Earnings	2013	2012
Current Liabilities		
Current Portion of Long Term Debt	\$9,114,510	\$8,984,928
Accounts Payable	\$1,439,699	\$1,415,933
Accrued Payroll & Liabilities	\$438,772	\$384,982
Other Accrued Liabilities	<u>\$100,736</u>	<u>\$99,112</u>
Total Current Liabilities	\$11,093,717	\$10,884,955
Current Liabilities From Restricted Assets		
Accounts Payable	\$408,964	\$3,247,271
Accrued Interest Payable	<u>\$2,502,368</u>	<u>\$2,598,636</u>
Total Current Liabilities From Restricted Assets	\$2,911,332	\$5,845,907
Long Term Debt		
Long Term Portion of Bonded Indebtedness	\$204,633,309	\$220,115,775
Bond Anticipation Notes Payable	\$25,615,000	\$25,615,000
Note Payable-Taylor Mill Purchase	\$750,000	\$925,000
Deferred Note Payable	<u>\$100,000</u>	<u>\$100,000</u>
Total Long Term Debt	\$231,098,309	\$246,755,775
Total Liabilities	\$245,103,358	\$263,486,637
Retained Earnings	<u>\$162,327,243</u>	<u>\$152,378,565</u>
Total Liabilities and Retained Earnings	<u>\$407,430,601</u>	<u>\$415,865,202</u>

Northern Kentucky Water District
Balance Sheet
As of April 30, 2013

	2013	2012
ASSETS		
CURRENT ASSETS		
Cash and Cash Equivalents	\$20,707,720	\$15,180,710
Accrued Interest Receivable	7,246	16,699
Accounts Receivable		
Customers	3,696,131	3,665,772
Unbilled Customers	5,500,000	5,400,000
Other	73,877	40,367
Assessments Receivable	100,584	98,760
Inventory Supplies for New Installation and Maintenance, at Cost	1,425,039	1,402,572
Prepaid Items	278,643	264,403
TOTAL CURRENT ASSETS	31,789,240	26,069,283
RESTRICTED ASSETS		
Boone/Florence Settlement Account	744,842	1,178,008
Bond Proceeds Fund	12,550,360	26,766,834
Debt Service Reserve Account	16,684,299	18,015,886
Debt Service Account	7,634,216	6,724,923
Improvement, Repair & Replacement	11,202,652	8,458,326
TOTAL RESTRICTED ASSETS	48,816,369	61,143,977
NONCURRENT ASSETS		
Miscellaneous Deferred Charges	(2,400,567)	6,392,991
Capital assets:		
Land, System, Buildings and Equipment	388,880,877	354,469,937
Construction in Progress	45,463,555	63,813,274
Total capital assets before accumulated depreciation	434,344,432	418,283,211
Less Accumulated Depreciation	(105,118,873)	(96,024,260)
Total capital assets before accumulated depreciation	329,225,559	322,258,951
TOTAL NONCURRENT ASSETS	326,824,992	328,651,942
TOTAL ASSETS	407,430,601	415,865,202

Northern Kentucky Water District
Balance Sheet
As of April 30, 2013

	2013	2012
LIABILITIES AND RETAINED EARNINGS		
CURRENT LIABILITIES		
Current Portion of Long Term Debt	\$9,114,510	\$8,984,928
Accounts Payable	1,439,699	1,415,933
Accrued Payroll & Liabilities	438,772	384,982
Other Accrued Liabilities	100,736	99,112
TOTAL CURRENT LIABILITIES	11,093,717	10,884,955
CURRENT LIABILITIES PAYABLE FROM RESTRICTED ASSETS		
Accounts Payable	408,964	3,247,271
Accrued Interest Payable	2,502,368	2,598,636
TOTAL CURRENT LIABILITIES PAYABLE FROM RESTRICTED ASSETS	2,911,332	5,845,907
LONG-TERM DEBT		
Long-Term Portion of Bonded Indebtedness	204,633,309	220,115,775
Bond Anticipation Notes Payable	25,615,000	25,615,000
Note Payable - Taylor Mill	750,000	925,000
Deferred Note Payable	100,000	100,000
TOTAL LONG-TERM DEBT	231,098,309	246,755,775
TOTAL LIABILITIES	245,103,358	263,486,637
Unrestricted Retained Earnings	133,476,250	123,527,575
TOTAL NET ASSETS	162,327,242	152,378,567
TOTAL LIABILITIES AND NET ASSETS	407,430,600	415,865,204

Northern Kentucky Water District

Income and Expenses Report-Detail For the Four Month ending April 30, 2013

	April 2013	April 2012	April Budget	Variance Over (Under)	YTD 2013	YTD 2012	YTD Budget	Variance Over (Under)
Operating Income								
Water Sales	\$3,201,468	\$3,102,408	\$3,179,586	0.7%	\$13,985,503	\$13,011,996	\$13,803,989	1.3%
Forfeited Discounts	\$66,067	\$68,861	\$70,583	-6.4%	\$270,894	\$266,021	\$272,672	-0.7%
Rents from Water Property	\$41,498	\$42,330	\$40,000	3.7%	\$195,595	\$192,382	\$180,000	8.7%
Other Water Revenues	\$48,515	\$33,340	\$35,320	37.4%	\$133,615	\$117,860	\$116,680	14.5%
Total Operating Income	\$3,357,548	\$3,246,939	\$3,325,489	1.0%	\$14,585,607	\$13,588,259	\$14,373,341	1.5%
Non Operating Income								
Interest Income	\$73,606	\$64,869	\$60,000	22.7%	\$264,242	\$263,535	\$252,000	4.9%
Miscellaneous	\$7,889	\$28,155	\$9,167	-13.9%	\$148,572	\$58,055	\$39,680	274.4%
Total Non Operating Income	\$81,495	\$93,024	\$69,167	17.8%	\$412,814	\$321,590	\$291,680	41.5%
Boone Florence Settlement Transfer	\$36,549	\$36,549	\$36,549	0.0%	\$146,196	\$146,196	\$146,196	0.0%
Total Income	\$3,475,592	\$3,376,512	\$3,431,205	1.3%	\$15,144,617	\$14,056,045	\$14,811,217	2.3%
O&M Expenses								
Source of Supply, Water								
Treatment, Pumping, & Storage	\$790,316	\$792,612	\$875,565	-9.7%	\$3,160,856	\$3,246,413	\$3,476,187	-9.1%
Engineering & Distribution	\$560,537	\$532,735	\$539,765	3.8%	\$2,254,942	\$2,321,875	\$2,408,469	-6.4%
Customer Service	\$274,752	\$275,546	\$282,416	-2.7%	\$1,201,358	\$1,186,946	\$1,195,602	0.5%
Administration	\$280,061	\$253,155	\$263,796	6.2%	\$1,113,750	\$1,130,734	\$1,172,144	-5.0%
Total O&M Expenses	\$1,905,666	\$1,854,048	\$1,961,542	-2.8%	\$7,730,906	\$7,885,968	\$8,252,402	-6.3%
Transfer to Debt Service	\$1,535,000	\$1,600,000	\$1,535,000	0.0%	\$6,140,000	\$6,400,000	\$6,140,000	0.0%
Total Expenses	\$3,440,666	\$3,454,048	\$3,496,542	-1.6%	\$13,870,906	\$14,285,968	\$14,392,402	-3.6%
Avail. to Transfer to Oper. Capital	\$34,926	(\$77,536)	(\$65,337)	0.0%	\$1,273,711	(\$229,923)	\$418,815	204.1%

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Northern Kentucky Water District
Expense Report Budget to Actual 2013
For the Four Months Ending April 30, 2013

ACCT	Description	2013 April Actual	2013 April Budget	Variance	2013 YTD Actual	2013 YTD Budget	Variance
	SOURCE OF SUPPLY						
(60110000...	Licking River Pumpstation	\$3,236.82	\$4,828.35	(32.96%)	\$11,657.73	\$20,251.89	(42.44%)
(60110000...	Ohio river pumpstation # 1	\$47,858.68	\$46,625.67	2.64%	\$196,673.90	\$186,813.93	5.28%
(60110001...	Ohio river pumpstation # 2	\$9,390.69	\$5,566.60	68.70%	\$33,854.73	\$24,576.12	37.75%
(63510000...	General source of supply	\$121.55	\$124.81	(2.61%)	\$486.41	\$499.42	(2.61%)
	Total Source of supply	\$60,607.74	\$57,145.43	6.06%	\$242,672.77	\$232,141.36	4.54%
	WATER QUALITY & PRODUCTION						
(60130000...	Fort Thomas treatment plant	\$254,939.16	\$251,368.08	1.42%	\$1,016,108.30	\$1,031,328.64	(1.48%)
(60130000...	Taylor Mill treatment plant	\$59,342.98	\$55,854.18	6.25%	\$200,686.51	\$301,086.65	(33.35%)
(60130000...	Memorial pky treatment plant	\$79,553.02	\$102,680.88	(22.52%)	\$314,897.95	\$405,724.58	(22.39%)
(60130000...	Laboratory	\$72,596.66	\$73,823.84	(1.66%)	\$290,962.04	\$316,281.87	(8.01%)
(60130000...	Instrumentation	\$39,160.99	\$41,291.74	(5.16%)	\$154,854.42	\$184,679.94	(16.15%)
(60130000...	Sludge	\$12,288.29	\$38,252.79	(67.88%)	\$45,354.88	\$98,310.49	(53.87%)
	Total Water Quality & Production	\$517,881.10	\$563,271.51	(8.06%)	\$2,022,864.10	\$2,337,412.17	(13.46%)

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Northern Kentucky Water District
Expense Report Budget to Actual 2013
For the Four Months Ending April 30, 2013

ACCT	Description	2013 April Actual	2013 April Budget	Variance	2013 YTD Actual	2013 YTD Budget	Variance
PUMPING & STORAGE							
(60150000...	Bristow road station	\$1,750.63	\$975.60	79.44%	\$6,180.80	\$5,787.43	6.80%
(60150000...	Bromley station	\$2,996.98	\$2,787.14	7.53%	\$11,630.35	\$11,207.15	3.78%
(60150000...	Carothers road station	\$2,310.48	\$2,421.83	(4.60%)	\$9,686.04	\$10,929.91	(11.38%)
(60150000...	Dudley station	\$22,242.05	\$18,175.25	22.38%	\$86,667.24	\$81,852.32	5.88%
(60150000...	Hands pike station	\$61.31	\$1,044.29	(94.13%)	\$3,865.33	\$4,469.49	(13.52%)
(60150000...	Latonia station	\$963.73	\$1,101.88	(12.54%)	\$6,299.41	\$5,471.06	15.14%
(60150000...	Richardson road station	\$2,700.89	\$9,788.95	(72.41%)	\$40,548.78	\$36,842.92	10.06%
(60150000...	Ripple creek station	\$1,873.93	\$1,709.04	9.65%	\$7,839.30	\$7,880.81	(0.53%)
(60150000...	Taylor Mill station	\$29,173.47	\$29,805.15	(2.12%)	\$99,767.32	\$113,252.59	(11.91%)
(60150000...	U S 27 station	\$10,512.81	\$18,416.33	(42.92%)	\$47,800.01	\$73,829.61	(35.26%)
(60150000...	Waterworks station	\$8,000.84	\$1,176.63	579.98%	\$30,599.89	\$6,000.95	409.92%
(60150000...	West Covington station	\$792.58	\$830.18	(4.53%)	\$2,371.86	\$2,968.25	(20.09%)
(60150000...	Water towers	\$30,963.74	\$31,793.69	(2.61%)	\$122,526.82	\$127,346.96	(3.79%)
(60121000...	General pumping & storage	\$102,328.32	\$135,122.35	(24.27%)	\$424,381.44	\$418,794.75	1.33%
	Total Pumping & Storage	\$216,671.76	\$255,148.31	(15.08%)	\$900,164.59	\$906,634.20	(0.71%)
	TOTAL SOS, WQ&P, P&S	\$795,160.60	\$875,565.25	(9.18%)	\$3,165,701.46	\$3,476,187.73	(8.93%)
ENGINEERING & DISTRIBUTION							
(60150000...	Engineering	\$136,962.74	\$142,286.74	(3.74%)	\$545,685.22	\$571,455.60	(4.51%)
(60150000...	Distribution	\$430,033.20	\$394,079.54	9.12%	\$1,713,904.10	\$1,796,562.62	(4.60%)
(60150000...	Flushing	\$7,424.41	\$3,398.07	118.49%	\$9,235.97	\$40,451.07	(77.17%)
	TOTAL ENG. & DIST.	\$574,420.35	\$539,764.35	6.42%	\$2,268,825.29	\$2,408,469.29	(5.80%)

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Northern Kentucky Water District
Expense Report Budget to Actual 2013
For the Four Months Ending April 30, 2013

ACCT	Description	2013 April Actual	2013 April Budget	Variance	2013 YTD Actual	2013 YTD Budget	Variance
	CUSTOMER SERVICE						
(60170000...	Field service	\$79,556.36	\$76,335.42	4.22%	\$313,788.77	\$317,549.64	(1.18%)
(60170000...	Meter Shop	\$49,883.30	\$50,495.58	(1.21%)	\$194,582.07	\$196,133.96	(0.79%)
(60170000...	Courier/Maintenance	\$26.67	\$0.00	0.00%	\$716.51	\$0.00	0.00%
(60170000...	Account service	\$102,913.78	\$110,849.24	(7.16%)	\$472,334.12	\$454,069.37	4.02%
(60170000...	Meter reading	\$9,531.56	\$6,890.38	38.33%	\$41,000.38	\$33,069.10	23.98%
(60170000...	Gen. Customer Service	\$40,696.42	\$37,845.25	7.53%	\$186,792.10	\$194,780.42	(4.10%)
	TOTAL CUSTOMER SERVICE	\$282,608.09	\$282,415.87	0.07%	\$1,209,213.95	\$1,195,602.49	1.14%
	ADMINISTRATION						
(60180000...	Executive management	\$47,858.66	\$49,484.71	(3.29%)	\$197,306.44	\$199,100.00	(0.90%)
(60180000...	Board of commissioners	\$8,363.12	\$8,490.78	(1.50%)	\$25,084.80	\$30,549.30	(17.89%)
(60180000...	Accounting/Finance	\$18,863.58	\$30,269.92	(37.68%)	\$96,447.07	\$130,739.26	(26.23%)
(60180000...	H.R., Information systems,Safety	\$119,500.46	\$117,964.14	1.30%	\$427,745.50	\$548,611.34	(22.03%)
(60180000...	General administration	\$58,891.48	\$57,586.98	2.27%	\$340,581.59	\$263,142.52	29.43%
	TOTAL ADMINISTRATION	\$253,477.30	\$263,796.53	(3.91%)	\$1,087,165.40	\$1,172,142.42	(7.25%)
	TOTAL NKWD	\$1,905,666.34	\$1,961,542.00	(2.85%)	\$7,730,906.10	\$8,252,401.93	(6.32%)

Case No. 2013-____
Exhibit H

NORTHERN KENTUCKY WATER DISTRICT

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

CUSTOMER NOTICE, RATE SCHEDULE AND PROPOSED TARIFF

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 H Water Main Extension Project – Phase 5. This project is located in the rural area in Campbell County which includes the following streets or portions thereof:

Sub-District H – Phase 5

Daniels Road (from Schababerle Hill to address #3185)
Low Gap Road (from address #954 to #878)
Mystic Rose (Nine Mile to dead end)
Pond Creek Road (from Bridge to address #10365)
Washington Trace (from address #10998 to #11236)

Total construction costs for the Sub-District H Water Main Extension Project, including Phase 5, will be approximately \$4,278,931. The funding for this phase of the project will amount to approximately \$1,146,709.60. The proposed consumer rates will be:

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

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

SECTION II – RETAIL WATER RATES

1. Rates

First 1,500 cubic feet used per month	\$4.14 per 100 cubic feet
Next 163,500 cubic feet used per month	\$3.40 per 100 cubic feet
Next 165,000 cubic feet used per month	\$2.65 per 100 cubic feet

Minimum Monthly charges by meter sizes shall apply for each size meter.

5/8"	\$13.60	3"	\$52.60
3/4"	\$14.00	4"	\$66.00
1"	\$15.30	6"	\$97.70
1 1/2"	\$17.30	8"	\$131.90
2"	\$21.80	10" and Larger	\$175.40

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

Estimated Monthly Usage of 2,000 Gallons - Estimated Monthly Bill = \$54.67
Estimated Monthly Usage of 3,000 Gallons - Estimated Monthly Bill = \$60.20
Estimated Monthly Usage of 4,000 Gallons - Estimated Monthly Bill = \$65.74
Estimated Monthly Usage of 5,000 Gallons - Estimated Monthly Bill = \$71.27
Estimated Monthly Usage of 6,000 Gallons - Estimated Monthly Bill = \$76.81

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.

The rates contained in this notice are the rates proposed by Northern Kentucky Water District, but the Public Service Commission may order rates to be charged that differ from the proposed rates contained in this notice;

A corporation, association, or person may within thirty (30) days after the initial publication or mailing of notice of the proposed rate changes, submit a written request to intervene to the Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602 that establishes the grounds for the request including the status and interest of the party. Intervention may be granted beyond the thirty (30) day period for good cause shown.

Written comments regarding the proposed rate may be submitted to the Public Service Commission by mail or through the Public Service Commission's Web site <http://psc.ky.gov>.

A person may examine this filing and any other documents the utility has filed with the Public Service Commission at the offices of Northern Kentucky Water District located at 2835 Crescent Spring Rd. Erlanger, KY 41018 and on the utility's Web site at www.nkywater.org, and this filing and any other related documents can be found on the Public Service Commission's Web site at <http://psc.ky.gov/>.

For further information contact the PSC of Kentucky at PO Box 615 Frankfort, KY 40602 (Tel: 502 564 3940) <http://psc.ky.gov> or Northern Kentucky Water District, 2835 Crescent Springs Road PO Box 18640 Erlanger, KY 41018 (859) 578-9898 www.nkywater.org

SECTION II – RETAIL WATER RATES

Northern Kentucky Water District Service Area

1. Monthly Service Rate

First	1,500 cubic feet	\$3.31 per 100 cubic feet
Next	163,500 cubic feet	\$2.88 per 100 cubic feet
Over	165,000 cubic feet	\$2.55 per 100 cubic feet

Customers in Subdistrict A *shall be assessed a monthly surcharge in the amount of \$ 8.76

Customers in Subdistrict B *shall be assessed a monthly surcharge in the amount of \$18.05

Customers in Subdistrict C *shall be assessed a monthly surcharge in the amount of \$18.90

Customer 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 H *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 \$12.89

Customers in Subdistrict R *shall be assessed a monthly surcharge in the amount of \$18.27

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

*Subdistrict charges are reviewed annually.

*Detailed street listing within each Subdistrict can be found under Appendix A.

*Service connections on extensions or laterals from a Subdistrict street will be assessed the appropriate Subdistrict charge.

2. Quarterly Rates

First	4,500 cubic feet	\$3.31 per 100 cubic feet
Next	490,500 cubic feet	\$2.88 per 100 cubic feet
Next	495,000 cubic feet	\$2.55 per 100 cubic feet

3. Fixed Service Charge

<u>Meter Size</u>	<u>Monthly Service Charge</u>	<u>Quarterly Charge</u>
5/8"	\$12.54	\$18.97

Date of Issue: November 5, 2010

Date Effective: December 15, 2010

Issued by: _____
Officer & Title Jack Bragg, Jr. CPA, CMA
Vice President - Finance

2835 Crescent Springs Road, Erlanger, Ky 41018

SECTION II – RETAIL WATER RATES – Cont'd

¾"	\$12.96	\$19.99
1"	\$14.15	\$22.98
1 ½"	\$15.93	\$27.08
2"	\$20.13	\$38.07
3"	\$48.61	\$118.45
4"	\$60.89	\$148.45
6"	\$90.16	\$219.44
8"	\$121.75	\$299.79
10" and Larger	\$161.91	\$391.47

SECTION III – WHOLESALE WATER SALES

Bullock Pen Water District	\$2.97 per 1,000 gallons (or) \$2.22 per 100 cubic feet
City of Walton	\$2.97 per 1,000 gallons (or) \$2.22 per 100 cubic feet
Pendleton County	\$2.97 per 1,000 gallons (or) \$2.22 per 100 cubic feet

SECTION IV – MISCELLANEOUS SERVICE FEES

Returned Check Charge	\$ 20.00
Water Hauling Station	3.50 per 1,000 gallons
Service Charge	25.00 (See Definitions in Section 1-A)
Overtime Charge	60.00

SECTION V – CUSTOMER BILL OF RIGHTS

As a residential customer of a regulated public utility in Kentucky, you are guaranteed the following rights subject to the Kentucky Revised Statutes and the provisions of the Kentucky Administrative Regulations:

- You have the right to service, provided you (or a member of your household whose debt was accumulated at your address) are not indebted to the utility.
- You have the right to inspect and review the utility's rates and tariff operating procedures during the utility's normal office hours. (8:00 AM to 5:00 PM, Monday through Friday).
- You have the right to be present at any routine utility inspection of your service conditions.
- You must be provided a separate, distinct disconnect notice alerting you to a possible disconnection of your service if payment is not received .

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Date Effective: December 15, 2010

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 Officer & Title Jack Bragg, Jr. CPA, CMA
 Vice President - Finance

2835 Crescent Springs Road, Erlanger, Ky 41018

This list will be updated annually, and additional streets added between annual tariff updates will be posted on the District web page www.nkywater.org within thirty (30) days of the completion of an extension or lateral from an existing Subdistrict street.

APPENDIX A – Subdistrict Street Names

Customers in Subdistrict A

- Ashford Village Subdivision - Donegal Ct., Ashford Rd., Celtic Ct., Desmond, Galway Ct., Kildare Ct., Limerick Circlecourt, Waterford Ct. (Off of Mills Rd.)
- Bowman Rd. (KY 16 to end of road)
- Dorman Dr. (Hickory Grove to end of road)
- Gretchen Dr. (Ryland Estates Subdivision) – Stewart to end of road
- Hickory Grove Drive – KY 16 to end of road
- KY 177 – Porter Rd. to Pruett Rd.
- Manor Hill Subdivision, Burbridge Trail, Cotswold Way, Foxbourne Lane, Manor Hill Dr., Sussex Ct. Tennyson Pl., Willowhurst Trace & Windmere Hill (Off Marshall Rd.)
- Manor Lake Dr. – KY 16 to end of road
- Marshall Rd. – KY 16 to Stewart Rd.
- Miller Lane – Tapped off KY 177
- Mills Rd. – Marshall to Taylor Mill Water Service Area (5,700’)
- Petty Rd. – Tapped off Marshall Rd.
- Pruett Rd. – KY 177 to 300’
- Riggs Rd. – KY 16 to end of road
- Ryland Trace Dr. – Subdivision off KY 177
- Staffordsburg Rd. – Marshall Rd. to Maverick
- Stewart Rd. – Marshall to KY 177
- Teegarden Lane – Bowman to end of road

Customers in Subdistrict B

- Armstrong Rd. – 1 service tapped off Moffett
- Bird Rd. – KY 17 to Wynewood
- Farmview Dr. – Moffett Rd. to end of pavement
- Gleason – 1 service tapped off Madison
- KY 17 (Madison Pike) – 12363 to 14158 – 1,200’ North of Callant Rd. to Gleason
- Martin Rd. – Moffett Rd. to 3,650’
- Moffett Rd. – KY 17 to Armstrong Rd.
- Rector Rd. – Moffett Rd. to 8,100’
- Rosehawk Lane (Forrest Ridge Subdivision Off of Moffett)
- Wynewood Trail – Bird Rd. to end of road

Customers in Subdistrict C

- Anna Lane – Maher Meadows Subdivision
- Banklick Rd. – From Bristow to Maher
- Brian Drive – Maher Meadows Subdivision
- Callant – From KY 17 for the first 0.6 miles
- Dixon Dr. – 2 services tapped on KY 17, 1 service tapped on Rich Rd.
- Gardnersville Rd. – From KY 17 for the first 0.8 miles

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APPENDIX A – Subdistrict Street Names – Cont’d

- Glenhurst Subdivision – Chinkapin Circle, Berlander Dr.(stops @ 684 Berlander Road), Glenhurst Dr., Lyonia Dr., Colton Ct., Tupelo Drive, Hornbean Dr. Off of Maher Rd.)
- Graven Rd. – From Maher, 4,400’ towards Wright Road
- Green Rd. – KY 16 to US 25
- Hempfling Rd. – First 2.1 miles
- Independence – From Shaw to Maher Rd., Maher 2700’ towards Banklick
- KY 17 (Madison Pike) – 14192 – 15960 – Gleason to Pendleton County Line
- Maher – From Banklick Rd. to Kenton/Boone County Line
- Maher – From Independence Road to Banklick
- Maher Subdivision: Meadows, Parker Drive, Stanley Lane, Anna Ln, Brian Lane.
- Martin Road – From Subdistrict B to Staffordsburg Road
- Mulberry Lane – (Rolling Greene Subdivision off of Green Road)
- Parker Drive – Maher Meadows Subdivision
- Paxton Road – From KY 17 for the first 0.65 miles
- Percival Road
- Rector Road – From Subdistrict B to Kenton Station Road
- Rich Road – From KY 17 for the first 2.1 miles
- South Fork Estates Subdivision (South Fork Drive)
- South Fork Estates Subdivision (Thoroughbred Lane)
- South Fork Estates Subdivision – Stablegate
- Spillman Road – KY 17 to end of road
- Staffordsburg Road – From KY 16 to Martin Road
- Stanley Lane – Maher Meadows Subdivision
- Stephenson Road – From Green Road to the first 0.5 miles
- Symbo – From Green Road for the first 0.6 miles
- US 25 – Walton City Limits to KY 14
- Visalia Road – From Klein Road to the school (waiting on PSC approval)
- Visalia Road – From Staffordsburg Road for 2 miles
- York Road – From US 25 to the first 0.4 miles

Customer in Subdistrict D

- 4 Mile Pike from Uhl Road to Geenvalle
- California Cross Roads from Saint Peter and Paul to Washington Trace Road
- Ky Route 8 to McDonald Lane off Blangey Road
- Persimmon Grove Pike from Burns Road to California Cross Road
- Persimmon Grove Pike from Shaw to Burns Road
- Persimmon Grove Pike from Stevens Branch to Shaw Hess
- Wagner Road – first .6 miles
- Winters Lane – County
- Providence Trace off of 4 Mile
- Licking Pike & Steffen Road from Route 10 to KY 936 – ky 936 before Poplar Thicket

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APPENDIX A – Subdistrict Street Names – Cont'd

Customers in Subdistrict E

- Bethel Grove
- Brandy Lane
- Bromley Crescent Springs Road
- Fiskburg Road (KY 17 to Goshorn Road)
- Ishmael Road (KY 177 to 1200')
- Kenton Station (Rector Road to KY 177)
- KY 177 (North of Kenton Station 7100')
- KY 177 (North of Vises Trail 4250')
- KY 177 (South of Kenton Station 5400')
- KY 177 (South of Vises Trail 2850')
- Licking Station
- McDonald Avenue
- Oliver Road
- St. Johns Road
- Vises Trail from KY 177 to 1150' south of Visalia Road
- Whitaker

Customers in Subdistrict F

- Grandview
- Amy Lou
- Flagg Springs
- West Main Street
- Licking Pike from Rifle Range to Sub-D
- Licking Pike (Existing 8 inch Water Main to Ripple Creek)
- Licking Pike from Trapp Rd to Rifle Rang
- Heck Road
- Steffen Road
- Siry Road
- Flatwood Road

Customers in Subdistrict G

- Petty Road from Marshall to 3927 Pruett Road
- Klein Road from Visalia to the dead end\
- Estate Lane from Visalia to the dead end
- Bramlage Road from Wilson to Banklick
- Fowler Creek Road from Senour to address 5282
- Fowler Creek Road from 5346 to Cox/Oliver
- Bullock Penn Road from Old Madison to dead een
- Misty Lane all of street
- Webster Road from address 251-to 270
- Cody Road from address 5364 to Upton Drive
- Cody Road from Flaggstone to address 5545

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APPENDIX A – Subdistrict Street Names – Cont’d

Customer in Subdistrict G Cont’d

- Upton Drive Cody Road to dead end
- Sugar Camp address 2760 to Fowler Creek
- Wolf from Valley View to KY 17
- Hollyhock Wolf to address 641
- Lieberman Libscomb to address 5619
- Banklick from Walton Nickolson to Maher
- Independence Road from address 1068 to Banklick Road

Customers in Subdistrict K

- Klette Road
- Rice Road
- Saylor Court
- Tamber Ridge Drive
- Sencely Court
- Chandrel Court
- Marshall Road
- Coleman Road

Customers in Subdistrict R

- Coleman Road – KY 177 to end of street
- Feiser Road – Porter Road to Locust Pike
- KY 177 – 500’ North of Wards to 2900’ South of Wards
- KY 177 – Porter Road to 800’ North
- KY 177 – Pruett Road to Ryland Lakes Drive
- Locust Pike – 650’ West of Whites end of road
- Locust Pike – Feiser Road to Wards Lane
- Porter Road – KY 177 to 7,500’
- Redrow – Locust Pike to end of street
- Spanton Road – Locust Pike to 1,300’
- Wards Lane – Locust Pike to KY 177
- Whites Road – KY 177 to Locust Pike

Customers in Subdistrict RF

- KY 177 (From Subdistrict R to short Marshall)
- Porter Road (From Tecuseh approximately 500’)
- Short Marshall (KY 177 East 500’)
- Tecumseh

Customers in Subdistrict RL

- Crystal Court
- Crystal Drive
- Crystal Lane
- Ernst Bridge Road
- Hillside Drive
- Maplewood Drive

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APPENDIX A – Subdistrict Street Names – Cont’d

Customers in Subdistrict RL – Cont’d

- Meadow Lane
- Mirror Court
- Northall Court
- Orchard Lane
- Redbud Lane
- Ryland Lakes Drive
- Sylvan Lake Drive
- Wild Lake Drive

Customers in Subdistrict H

- Rifle Range Road (Licking Pike to the Bridge)
- Enzweiler Road
- Orlando Drive
- Bars Branch (End of line to Address #9677)
- Creektrace Road (Licking Pike to John Miller)
- Creektrace Road (John Miller to Indian Trace)
- Creektrace Road (Indian Trace to Pond Creek)
- Indian Trace Road (Creek Trace to JoAnn Lane)
- Indian Trace Road (JoAnn to the end of the Road)
- JoAnn Lane
- Lauren Lane
- John Miller Road (Creektrace to address #9807)
- Pleasant Ridge Road (End of Line to address #11138)
- Maddox Rd. (End of Line to the end of the Road)
- Cory Drive
- Wesley Chapel (California Cross Roads to Schababerle Hill Road)
- Wesley Chapel (Schbaberle Hill to address #12635)
- Schababerle Hill Road (Wesley Chapel to Daniels Road)
- Daniels Road (from Schababerle Hill to address #3185)
- Low Gap Road (from address #954 to #878)
- Mystic Rose (Nine Mile to dead end)
- Pond Creek Road (from Bridge to address #10365)
- Washington Trace (from address #10998 to #11236)

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**NORTHERN KENTUCKY
WATER DISTRICT**

Sub-District H Phase 5 Water Main Extension Project

Campbell County, Kentucky

Project 184-654

**STREET DENSITY TABLE, SUB-DISTRICT MAP AND
WRIS PROFILE**

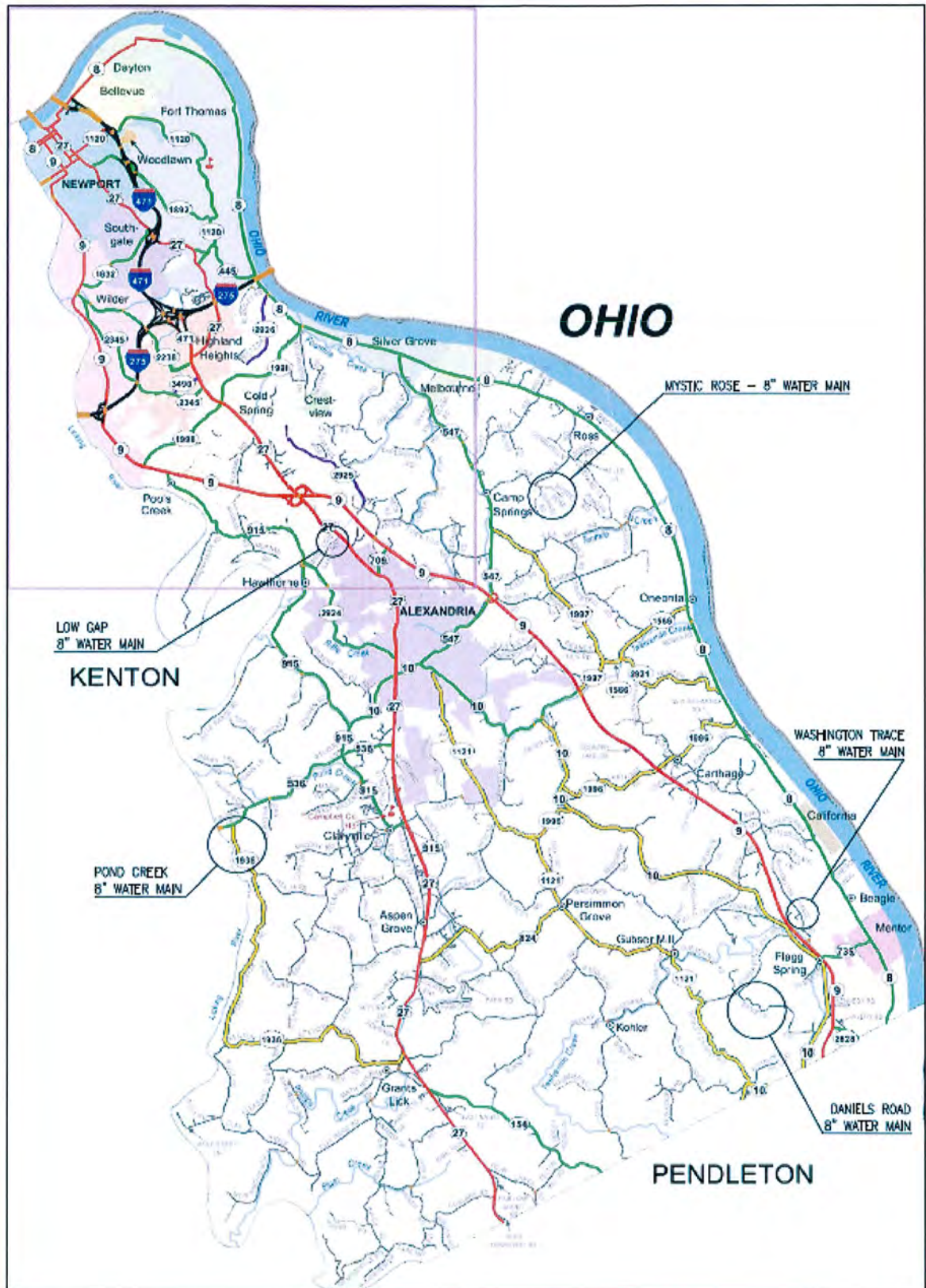
Campbell County Unservd Street Listing

Streets in yellow are for Subdistrict H Phase 5

Full Listing

Street	Comment:	Number of Households Unservd	Distance (Miles)	Estimated Cost Project	City	Est \$ Foot per	Actual Per Mile Customers	Weighted Per Mile Customers	Comment
Daniels Rd.	From Schababerle Hill to #3126	18	0.77	\$ 244,800.00	Unincorporated	60.00	23.38	23.38	depends on Wesley Chapel and Schababerle Hill
Low Gap Rd	From #954 to/Inc. #878	5	0.20	\$ 63,360.00	Unincorporated	60.00	25.00	25.00	#930, 950 and 954 are served
Mystic Rose (Gunkle Rd. #2)	Nine Mile to dead end	8	0.40	\$ 125,720.00	Melbourne	60.00	20.00	20.00	#6411 is served
Pond Creek Road	From Bidge to #10365	13	0.66	\$ 209,088.00	Unincorporated	60.00	19.70	19.70	depends on Creek Trace
Washington Tr.Rd. South End	End of 3" line at #10998 to #11236	8	0.50	\$ 158,400.00	California/Uninc	60.00	16.00	16.00	#11143 and #11070 have spiderlines
West Main Street (Alex.)	1/2 mile from city building towards Licking Pike	3	0.10	\$ 36,960.00	Alexandria	70	30.00	30.00	
Blangey Rd.	Blangey Rd.	11	0.55	\$ 203,280.00	Brent	70	20.00	20.00	Geotechnical issues
Picnic Road	from Wagner Rd. To end of road	3	0.15	\$ 55,440.00	Unincorporated	70	20.00	20.00	Letter of interest sent 2010 - no interest
Tower Hill Rd.	From Rt. 8 to Watchpoint	5	0.25	\$ 92,400.00	Ft. Thomas	70	20.00	20.00	Geotechnical issues
Muinn Rd.	Aulick to dead end	16	0.81	\$ 45,210.00	Unincorporated	70	19.75	19.75	PCWD
Dodsworth Ln.	Dodsworth Ln.	20	1.10	\$ 406,560.00	Unincorporated	70	18.18	18.18	No interest letter sent prior to 2009
Hisssem Rd.	From Nagel to end of PCWD service area at 13700	14	0.80	\$ 295,680.00	Unincorporated	70	17.50	17.50	PCWD
Pleasant Rdg. Rd.	From #11138 to Lees Rd.	1	0.20	\$ 73,920.00	Unincorporated	70	5.00	16.67	
Harrisburg Hill	From Lees to Pleasant Rdg. Rd.	20	1.00	\$ 369,600.00	Unincorporated	70	20.00	16.67	depends on lees road
Harrisburg Hill	From Pleasant Ridge to dead end	12	0.55	\$ 203,280.00	Unincorporated	70	21.82	16.67	depends on lees road
Lees Road	From Pleasant Rd. To Tarvin Rd.	15	1.00	\$ 369,600.00	Unincorporated	70	15.00	16.67	depends on Pleasant Ridge
Lees Road	From Tarvin Rd. to Harrisburg Hill Rd.	12	0.65	\$ 240,240.00	Unincorporated	70	18.46	16.67	depends on Pleasant Ridge and Lees road
Lees Road	From Harrisburg Hill Rd. to Kenton Station	5	0.50	\$ 184,800.00	Unincorporated	70	10.00	16.67	depends on Lees Road
Washington Tr.Rd. South End	End of 3" line at #10998 to #11236	8	0.50	\$ 184,800.00	California/Uninc	70	16.00	16.00	#11143 and #11070 have spiderlines
Barrs Branch Rd.	From #9621 on Barrs Br. To Flagg Springs Pike (Rt 10)	11	0.70	\$ 258,720.00	Alexandria	70	15.71	15.71	Letter of Interest sent 2009 - no -interest
Upper Lick Branch Rd.	From Grandview to driveway past #2274	7	0.45	\$ 166,320.00	Unincorporated	70	15.56	15.56	Letter of Interest sent 2009 - no -interest.
Reis Lane (Decker Rd.)	Reis Ridge (Decker) to Dead end	10	0.20	\$ 73,920.00	Unincorporated	70	50.00	15.53	depends on shaw goetz
Reis Ridge	From Shaw Goetz to Reis Lane (Decker Rd)	10	0.50	\$ 184,800.00	Unincorporated	70	20.00	15.53	depends on shaw goetz
Reis Ridge	From Reis Lane (Decker Rd) to end of road	10	0.50	\$ 184,800.00	Unincorporated	70	20.00	15.53	depends on shaw goetz
Shaw Goetz Rd.	From Reis Ridge Rd. to California Cross Rds.	10	1.50	\$ 554,400.00	Unincorporated	70	6.67	15.53	
Shaw Goetz Rd.	From Reis Ridge Rd. to Flagg Springs Pike (Rt 10)	19	1.10	\$ 406,560.00	Unincorporated	70	17.27	15.53	
Rt.8	Winters Lane to End of line near Ky-1998	9	0.60	\$ 221,760.00	Brent	70	15.00	15.00	
Truesdell Rd.	From #7568 (served) to Oneonta	15	1.00	\$ 369,600.00	Melbourne	70	15.00	15.00	do not count mailbox cluster
Enzweiler Road	From AA Hwy east to dead end. #250 can be served from :	3	0.20	\$ 73,920.00	Alexandria	70	15.00	15.00	depends on Enzweiler or AA hwy project
Burns Rd.	From Flatwoods Rd. to St. Route 154	31	2.10	\$ 776,160.00	Unincorporated	70	14.76	14.76	
Burns Rd.	from Flatwoods Rd. to #11749 near Bezold Rd.	14	0.95	\$ 351,120.00	Unincorporated	70	14.74	14.74	#11641, #11723 served
Pond Creek Road	From Visalia Rd. to/Inc. #11707	32	2.00	\$ 739,200.00	Unincorporated	70	16.00	14.36	depends on Visalia Road
Visalia Road	Pleasant Ridge to Pond Creek	17	1.30	\$ 400,480.00	Unincorporated	70	13.08	14.36	
Pond Creek Road	From #10365 to Visalia Rd.	3	0.32	\$ 118,272.00	Unincorporated	70	9.38	14.36	depends on Pond Creek
Muman	Hidden Valley to D.E.	10	0.70	\$ 258,720.00	Unincorporated	70	14.29	14.29	
Upper Lick Branch Rd.	From driveway past #2274 to AA Hwy	5	0.35	\$ 129,360.00	Unincorporated	70	14.29	14.29	depends on Upper Lick Branch
Demossville Rd.	from Aulick to dead end	16	1.14	\$ 65,580.00	Unincorporated	70	14.04	14.04	PCWD
Gunkle Rd. (Gunkle #1)	Mystic Rose to dead end	7	0.50	\$ 184,800.00	Melbourne	70	14.00	14.00	6738 appears abandoned in 2012. depends on mystic rose
Bakerfield Rd.	Off of Boone Smith Rd.	21	1.00	\$ 369,600.00	Unincorporated	70	21.00	13.79	depend on Lees, Kenton Station, Pleasant Ridge, Boone Smith and Tarvin hydraulic im
Boone Smith Rd.	From Pleasant Rdg Rd to Bakerfield Rd	4	0.20	\$ 73,920.00	Unincorporated	70	20.00	13.79	depend on Lees, Kenton Station, Pleasant Ridge and Tarvin hydraulic improvement
Boone Smith Rd.	From Bakerfield Rd. to PCWD end of line (#672)	12	0.70	\$ 258,720.00	Unincorporated	70	17.14	13.79	depend on Lees, Kenton Station, Pleasant Ridge and Tarvin hydraulic improvement
Clay Rdg. Rd.	From Wolf Rd. to Pleasant Rdg Rd.	9	0.60	\$ 221,760.00	Unincorporated	70	15.00	13.79	depend on Lees, Kenton Station, Pleasant Ridge, Boone Smith, Bakersfield and Tarvin
Clay Rdg. Rd.	From Pleasant Rdg Rd. to Morningview Rd	13	0.80	\$ 295,680.00	Unincorporated	70	16.25	13.79	depend on Lees, Kenton Station, Pleasant Ridge, Boone Smith, Bakersfield and Tarvin
Kenton Station Rd.	From Lees to Pleasant Rdg. Rd.	9	0.90	\$ 332,640.00	Unincorporated	70	10.00	13.79	depends on Lees and Tarvin hydraulic improvement
Pleasant Rdg. Rd.	From Boone Smith Road to Clay Rdg. Rd.	20	1.30	\$ 480,480.00	Unincorporated	70	15.38	13.79	depend on Lees, Kenton Station, Pleasant Ridge, Boone Smith, Bakersfield and Tarvin
Pleasant Rdg. Rd.	From Kenton Station Rd. to Boone Smith Road	6	0.60	\$ 221,760.00	Unincorporated	70	10.00	13.79	depend on Lees, Kenton Station and Tarvin hydraulic improvement
Wolf Road	From Clay Rdg. Rd. to end of road	10	0.60	\$ 221,760.00	Unincorporated	70	16.67	13.79	includes #146 on Wolf Barry Rd. depends on Clay Ridge, Pleasant Ridge, Kenton Statik
Awesome Place	From Wolf Rd to dead end	2	0.15	\$ 55,440.00	Unincorporated	70	13.33	13.79	Hydraulic on Lees., Kenton Station, Pleasant Ridge, Clay ridge and Tarvin Hydraulic imp
Tarvin Rd. (Schmudde)	From Phillips Creek Rd. (Schmudde) to Licking Pike	3	0.70	\$ 258,720.00	Unincorporated	70	4.29	13.79	Hydraulic improvement
Tarvin Rd. (Schmudde)	From Lees Rd to Phillips Creek Rd. (Schmudde)	2	0.50	\$ 184,800.00	Unincorporated	70	4.00	13.79	Hydraulic improvement
Shaw-Hess Rd	From end of line on Shaw Hess to #10280	2	0.15	\$ 55,440.00	Unincorporated	70	13.33	13.33	Letter of interest sent 2010 - no interest
Vineyard (Gunkle Rd. #3)	From Ten Mile (#6747) to/Inc #6555	8	0.60	\$ 221,760.00	Melbourne	70	13.33	13.33	6752, 6767, 6785, 6789 are served
California Cross Rds.	From Bezold Rd to #2038	6	0.45	\$ 166,320.00	California/Uninc	70	13.33	13.23	depends on bezold road
Fisher Rd	From Wish Rd. to Haubner Rd.	11	1.00	\$ 369,600.00	Unincorporated	70	11.00	13.23	depends on sub P, Bezold and Fischer
Fisher Rd	From Bezold Rd to Wish Rd.	2	0.25	\$ 92,400.00	Unincorporated	70	8.00	13.23	depends on sub P, Bezold Road
Haubner Rd.	from Fischer to dead end	12	0.80	\$ 295,680.00	Unincorporated	70	15.00	13.23	Wish/Haubner depend on Fischer
Wish Rd.	From Fischer to dead end	10	0.60	\$ 221,760.00	Unincorporated	70	16.67	13.23	Wish/Haubner depend on Fischer and Bezold
Rt.8	From end of line at #7610 (served) to Oneonta Rd.	5	0.40	\$ 147,840.00	California/Uninc	70	12.50	12.50	
Pleasant Rdg. Rd.	From Lees Rd. to Harrisburg Hill Rd.	16	1.30	\$ 480,480.00	Unincorporated	70	12.31	12.31	depends on pleasant ridge from Subdistrict J
Blue Sky Lane	Poplar Thicket to Dead End	2	0.15	\$ 55,440.00	Unincorporated	70	13.33	12.24	depends on poplar thicket
Poplar Thicket Rd.	#466 to Dead End	17	1.30	\$ 480,480.00	Unincorporated	70	13.08	12.24	depends on poplar thicket
Poplar Thicket Rd.	Licking Pike to/Inc. #446	11	1.00	\$ 369,600.00	Unincorporated	70	11.00	12.24	#497, 667 and 676 are served
Fender Rd.	From #3186 to Ten Mile	11	0.90	\$ 332,640.00	Melbourne	70	12.22	12.22	
John Miller	From hydrant at #9812 to dead end	5	0.41	\$ 156,880.00	Unincorporated	70	12.20	12.20	depends on creekrtrace
Bezold Rd.	From Burns Rd to California Cr. Rds.	12	1.00	\$ 369,600.00	Unincorporated	70	12.00	12.00	
Wagoner (Dead Timber Rd. #2)	from #2108 end of line To Newberry (Wagner)	7	0.60	\$ 221,760.00	Alexandria	70	11.67	11.67	
Lower Grandview Rd.	from Stone House to dead end	4	0.30	\$ 110,880.00	Unincorporated	70	13.33	11.43	depends on Stonehouse Road
Bob-White Lane	Bob-White Lane	8	0.70	\$ 258,720.00	Unincorporated	70	11.43	11.43	

Nagel Rd.	From Ridge View Estates to Hissem Rd.	9	0.80	\$ 295,680.00	Unincorporated	70	11.25	11.25	PCWD
Aulick Rd.	From Hissem to Muinn Rd.	9	0.80	\$ 295,680.00	Unincorporated	70	11.25	11.25	PCWD
Oneonta Rd.	From Rt.8 to Truesdale	9	0.80	\$ 295,680.00	California/Uninco	70	11.25	11.25	depends on Rt 8 or Truesdale
Wesley Chapel Rd.	From #12630 to #12859 near Flagg Springs Pk (Rt 10)	5	0.45	\$ 166,320.00	Unincorporated	70	11.11	11.11	depends on wesley chapel, emergency interconnect to East Pendleton Cty Water Distr
Rifle Range Rd.	From bridge to end of road	21	1.90	\$ 702,240.00	Unincorporated	70	11.05	11.05	depends on Rifle Range Road
Fisher Rd	From Haubner Rd. to #13634	15	1.40	\$ 517,440.00	Unincorporated	70	10.71	10.71	depends on sub u, Bezold and Fischer
Koehler Rd	From Calif. Cr. Rds. to Flagg Springs (Route 10)	9	0.90	\$ 332,640.00	California/Uninco	70	10.00	10.00	
Washington Tr.Rd.South End	#11236 to #11360	2	0.20	\$ 73,920.00	California/Uninco	70	10.00	10.00	#11143 and #11070 have spiderlines
Decker Rd.	from Bezold Rd. to dead end	2	0.20	\$ 73,920.00	Unincorporated	70	10.00	10.00	depends on bezold road
Losey Rd.	Licking Pike to #901	3	0.30	\$ 110,880.00	Unincorporated	70	10.00	10.00	
A.A.Hwy	Carthage Road to Country Lake	1	0.60	\$ 221,760.00	Will/Cld Sprmg/Alk	70	1.67	10.00	
Country Lake	AA Highway to dead end	6	0.10	\$ 36,960.00	California/Uninco	70	60.00	10.00	depends on AA hwy
Tippenhauer Rd.	From #7217 (211) to end of road	13	1.40	\$ 517,440.00	Cold Spring	70	9.29	9.29	
Oneonta Rd.	From Truesdale to Washington Tr. Rd.	6	0.70	\$ 258,720.00	Unincorporated	70	8.57	8.57	
Burger Road	Vineyard Rd. to dead end	5	0.60	\$ 221,760.00	Unincorporated	70	8.33	8.33	depends on Vineyard Road
Morningview Rd.	Clay Ridge to dead end.	15	1.80	\$ 665,280.00	Unincorporated	70	8.33	8.33	depends on Clay Ridge, Pleasant Ridge, Kenton Station, Lees and Harrisburg Hill
Neises	From Rt.8 to dead end	4	0.20	\$ 73,920.00	Unincorporated	70	20.00	7.92	depends on Rt. 8
Painter Rd	From #3735 to Route 8	9	0.85	\$ 314,160.00	California/Uninco	70	10.59	7.92	depends on Rt. 8
Rt.8	Oneonta to Painter Rd.	8	1.60	\$ 591,360.00	California/Uninco	70	5.00	7.92	depends on sub s, Rt. 8
Hissem Rd.	From Fairlane to Nagel	7	0.90	\$ 332,640.00	Unincorporated	70	7.78	7.78	PCWD
Daniels Rd.	From #3128 to Flagg Springs Pike (Route 10)	9	1.33	\$ 491,568.00	Unincorporated	70	6.77	7.77	Depends on Daniels, Schababerly Hill and Wesley Chapel
Flagg Springs (Route 10)	From Daniels Road to Pendleton Co. Line	4	0.50	\$ 184,800.00	Unincorporated	70	8.00	7.77	depends on sub J & N, Daniels, Schababerly Hill and Wesley Chapel
Kennedy	From Daniels to dead end	2	0.10	\$ 36,960.00	Unincorporated	70	20.00	7.77	Depends on Daniels
Branch Lick (Lower Lick Branch)	From Stone House to dead end	6	0.80	\$ 295,680.00	Unincorporated	70	7.50	7.50	
Pond Creek Road	From #11707 to Kenton station Rd.	9	1.20	\$ 443,520.00	Unincorporated	70	7.50	7.50	depends on Pond Creek
Clay Rdg. Rd.	From Morningview Rd. Griffen Fords Rd.	5	0.70	\$ 258,720.00	Unincorporated	70	7.14	7.14	depends on pleasant ridge, kenton station, lees, Harrisburg Hill or Pendleton County
Dead Timber	Washington Trace to dead end	5	0.70	\$ 258,720.00	Unincorporated	70	7.14	7.14	#3514, #3516 are served
Kennedy	From Flaig Springs to dead end	2	0.30	\$ 110,880.00	Unincorporated	70	6.67	6.67	
California Cross Rds.	From Washington Tr.Rd. to #3765	4	0.60	\$ 221,760.00	Calif.(Residents &	70	6.67	6.67	#3765 is served
3 Mile Road	Gibson Road to/incl. #97	1	0.15	\$ 55,440.00	Wilder	70	6.67	6.67	
Rt.8	End of existing line (#11927) to county line	6	1.00	\$ 369,600.00	Mentor	70	6.00	6.00	
Ky. State Route 154	From Bums to PCWD Service area. (12940,12939 served)	4	0.70	\$ 258,720.00	Unincorporated	70	5.71	5.71	depend on flatwood/siry project and Bums Rd
Aulick Rd.	From Muinn Rd. to Demosville Rd.	2	0.40	\$ 147,840.00	Unincorporated	70	5.00	5.00	PCWD
California Cross Rds.	From Shaw Goetz Rd. to #2038	3	0.60	\$ 221,760.00	California/Uninco	70	5.00	5.00	
Hissem Rd.	From Fairlane to County Line	2	0.40	\$ 147,840.00	Unincorporated	70	5.00	5.00	PCWD
Newberry (Dead Timber Rd. #2)	From Wagner Rd. To end of road	3	0.60	\$ 221,760.00	California/Uninco	70	5.00	5.00	depends on Wagoner Road
Wolf Road	From Kenton Station Rd. to Clay Rdg. Rd.	7	1.40	\$ 517,440.00	Unincorporated	70	5.00	5.00	depends on sub p, Clay Ridge, Pleasant Ridge, Kenton Station, Lees and Harrisburg Hill
Wagoner (Dead Timber Rd. #2)	From Newberry Road (Dead Timber Rd.) to Picnic	8	1.70	\$ 628,320.00	California/Uninco	70	4.71	4.71	
Lick Hill	Washington Trace to dead end	2	0.45	\$ 166,320.00	California/Uninco	70	4.44	4.44	start at Washington Trace, part of Lick Hill is served w/3" plastic
Owl Creek Rd.	Owl Creek Rd.	5	1.20	\$ 443,520.00	Silver Grove	70	4.17	4.17	5210, 5250 and 5798 are served
Pleasant Rdg. Rd.	From Harrisburg Hill Rd. to Kenton Station Rd.	3	1.00	\$ 369,600.00	Unincorporated	70	3.00	3.00	depend on Pleasant Ridge
Kenton Station Rd.	From Pleasant Rdg. Rd. to Pond Cr.Rd.	3	1.00	\$ 369,600.00	Unincorporated	70	3.00	3.00	depends on sub L & P, Kenton Station, Lees, Harrisburg Hill, Pleasant Ridge
Schababerly Hill	From Daniels Rd. to Flagg Springs Pike (Route 10)	4	1.40	\$ 517,440.00	Unincorporated	70	2.86	2.86	
Flagg Springs (Route 10)	From Short Cut Rd. to Daniels	1	0.45	\$ 166,320.00	Unincorporated	70	2.22	2.22	
A.A.Hwy	Smith Road to East California Cross Roads	5	2.40	\$ 887,040.00	Unincorporated	70	2.08	2.08	
Rt.8	From #145 (anchor inn) to Tower Hill	0	0.80	\$ 295,680.00	Dayton/Ft. Thom	70	0.00	1.67	
Rt.8	Tower Hill to #617	4	1.60	\$ 591,360.00	Ft. Thomas	70	2.50	1.67	depends on sub n, Tower Hill
A.A.Hwy	East California Cross Roads to Carthage Rd.	3	1.90	\$ 702,240.00	Unincorporated	70	1.58	1.58	
A.A.Hwy	Country Lake to Stonehouse	2	1.30	\$ 480,480.00	Will/Cld Sprmg/Alk	70	1.54	1.54	depends on stonehouse rd project or country lake project
Painter Rd	From Washington Tr. Rd to #3735	1	0.65	\$ 240,240.00	California/Uninco	70	1.54	1.54	
Gubser Mill Road	California Cross Road to dead end	1	0.80	\$ 295,680.00	California/Uninco	70	1.25	1.25	
Rt.8	New Richmond to #9816 (burned house/chimney) D.E. of C	1	1.40	\$ 517,440.00	Unincorporated	70	0.71	0.71	#9670 not served
A.A.Hwy	Stonehouse Rd to 4 Mile Pike	1	2.10	\$ 776,160.00	Will/Cld Sprmg/Alk	70	0.48	0.48	
3 Mile Road	#97 to Tessner	0	0.55	\$ 203,280.00	Wilder	70.00	0.00	0.00	
Phillips Cr. Rd. (Schmudde)	#11056 to Tarvin Road (11127 served)	0	1.00	\$ 369,600.00	Unincorporated	70	0.00	0.00	
Vineyard (Gunkle Rd. #3)	From #6555 to #6436 (to end of line)	0	0.40	\$ 147,840.00	Melbourne	70	0.00	0.00	end of main at 6376 with blow off, 6436 served
A.A.Hwy	Dry Creek to Ivy Ridge	0	1.00	\$ 369,600.00	Cold Spring	70	0.00	0.00	
A.A.Hwy	Pendleton Cnty line to Smith Road	0	1.80	\$ 665,280.00	Unincorporated	70	0.00	0.00	
Creektrace Rd. (KY Rt. 536)	From U.S. 27 to Licking Pike	0	0.80	\$ 295,680.00	Unincorporated	70	0.00	0.00	interconnect
Licking Pike	Banklick to 0.9 miles north (St. John's Church)	0	0.90	\$ 332,640.00	Wilder	70	0.00	0.00	
Licking Pike	From end of line at Tipphauer to Muman Rd	0	0.50	\$ 184,800.00	Unincorporated	70	0.00	0.00	
Losey Rd.	#901 to #812	0	0.40	\$ 147,840.00	Unincorporated	70	0.00	0.00	
Low Gap Rd	From #878 to Tollgate (Alex-Licking Pike)	0	0.40	\$ 147,840.00	Unincorporated	70	0.00	0.00	interconnect
River Road	Last house (#435) to Rt. 8	0	0.40	\$ 147,840.00	Ft. Thomas	70	0.00	0.00	interconnect
Rt.8	#617 to River Road	0	1.30	\$ 480,480.00	Ft. Thomas	70	0.00	0.00	depends on sub N & Z, Rt.8 and Tower Hill
Rt.8	River Rd. to Blangey Rd.	0	0.30	\$ 110,880.00	Brent	70	0.00	0.00	
Shaw-Hess Rd	From #10280 to Persimmon Gr. Pk.	0	0.40	\$ 147,840.00	Unincorporated	70	0.00	0.00	interconnect
Stonehouse Road	From #7583 - north 770'	0	0.15	\$ 55,440.00	Unincorporated	70	0.00	0.00	interconnect
Ten Mile Road	Ritter to 2802 Ten Mile Rd. (Schack farm)	0	0.30	\$ 110,880.00	Unincorporated	70	0.00	0.00	
Total		972	105.49	\$ 38,251,798.00					



OHIO

MYSTIC ROSE - 8" WATER MAIN

LOW GAP
8" WATER MAIN

KENTON

POND CREEK
6" WATER MAIN

ALEXANDRIA

WASHINGTON TRACE
8" WATER MAIN

DANIELS ROAD
8" WATER MAIN

PENDLETON





Drinking Water Project Profile

Legal Applicant: **Northern Kentucky Water District**

Project Title: **NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H**

Project Number: **WX21037203** [View Map](#)

Submitted By: **NKADD**

Funding Status: **Partially Funded**

Primary County: **Campbell**

Project Status: **Under Construction**

Planning Unit: **Campbell**

Project Schedule: **0-2 Years**

Multi-County: **No**

E-Clearinghouse SAI: **KY200902040080**

ECH Status: **Endorse With Condition**

Applicant Entity Type: **Water District (KRS 74)**

Date Approved (AWMPC): **01-28-2010**

Project Description:

This project will extend water lines to various unserved areas of Campbell County on portions of the following streets in several phases: Phase 1 thru 4: Orlando Drive, Maddox Road, Cory Lane, Enzweiler Road, Rifle Range Road, Creektrace Road, Indian Trace Road, Joann Lane, John Miller Road, Lauren Lane, Wesley Chapel Road, Schababerle Hill Road, Pleasant Ridge Road, Barrs Branch Road and Creektrace Road. Phase 2: Daniels Road, Low Gap Road, Mystic Rose, Pond Creek Road and Washington Trace Road.

Need for Project:

Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:

Extension provides potable water to unserved customers.

Project Alternatives:

Alternate A:

Do nothing

Alternate B:

Do nothing

Alternate C:

Do nothing

Legal Applicant:

Entity Type: **Water District (KRS 74)**

PSC Group ID: **7000200**

Entity Name: **Northern Kentucky Water District**

Web URL:

Office EMail: **jbragg@nkywater.org**

Office Phone: **859-426-2758**

Toll Free:

Fax: **859-442-0665**

Mail Address Line 1: **PO Box 18640**

Phys Address Line 1:

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Erlanger, KY 41018**

Phys City, State Zip:

Contact: **Jack Bragg**

Manager: **Jack Bragg**

Contact Title:

Manager Title:

Contact EMail: **jbragg@nkywater.org**

Manager EMail: **jbragg@nkywater.org**

Contact Phone: **859-426-2758**

Manager Phone: **859-426-2758**

Contact Cell:

Manager Cell:

Authorized Official: **Jack Bragg**

Auth. Official Title:

Auth. Official EMail: **jbragg@nkywater.org**

Auth. Official Phone: **859-426-2758**

Auth. Official Cell:

Data Source: **Kentucky Infrastructure Authority**

Date Last Modified: **01.05.2011**



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District
NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Project Administrator (PA) Information

Name: **Richard Harrison**

Title: **Vice President, Engineering**

Organization: **Northern Kentucky Water District**

Address Line 1: **2835 Crescent Springs Rd**

Address Line 2:

City: **Erlanger** State: **KY** Zip: **41018**

Phone: **859-578-5458** Fax:

Applicant Contact (AC) Information

Name: **Richard Harrison**

Title: **Vice President, Engineering**

Organization: **Northern Kentucky Water District**

Address Line 1: **2835 Crescent Springs Rd**

Address Line 2:

City: **Erlanger** State: **KY** Zip: **41018**

Phone: **859-578-5458** Fax:

Project Engineer (PE) Information:

This project requires a licensed Professional Engineer.

License No: **PE 6880**

PE Name: **James H. Viox**

Phone: **859-727-3293** Fax:

E-Mail: **jviox@vioxinc.com**

Firm Name: **Viox & Viox, Inc.**

Addr Line 1: **Viox & Viox**

Addr Line 2: **466 Erlanger Rd.**

Addr Line 3:

City: **Erlanger** State: **KY** Zip: **41018**

Status: **Current** Disciplinary Actions: **NO**

Issued: **07-15-1968** Expires: **06-30-2014**

Engineering Firm Information:

Permit No: **558**

Firm Name: **Viox & Viox, Inc.**

Phone: **859-727-3293** Fax:

Web URL:

E-Mail:

Addr Line 1: **466 Erlanger Road**

Addr Line 2:

City: **Erlanger** State: **KY** Zip: **41018**

Status: **Current** Disciplinary Actions: **NO**

Issued: **09-27-1993** Expires: **12-31-2013**



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District
 NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Estimated Budget

Project Cost Classification:

Administrative Exp.:	\$ 14,750
Legal Exp.:	\$ 5,000
Land, Appraisals, Easements:	
Relocation Exp. & Payments:	
Planning:	
Engineering Fees - Design:	\$ 154,477
Engineering Fees - Construction:	
Engineering Fees - Inspection:	\$ 11,586
Engineering Fees - Other:	\$ 29,823
Construction:	\$ 3,787,092
Equipment:	
Miscellaneous:	
Contingencies:	\$ 276,204
Total Project Cost:	\$ 4,278,932

Construction Cost Categories:

Treatment:	
Transmission & Distribution:	\$ 3,787,092
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Catagorized:	
Total Construction:	\$ 3,787,092

Total Sustainable Infrastructure Costs:

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **\$4,278,932**
 Total Committed Funding: **\$4,113,253**
 Funding Gap: **\$165,679 (Partially Funded)**

This project will be requesting SRF funding for Federal FY 2014.

Detailed Project Schedule:

Environmental Review Status:
 RD Approval Date:
 CDBG Approval Date:
 No approval, but Cross-Cutter Scoping Completed:
 Construction Permit Application Date:
 Construction Permit Application Status:
 Estimated Bid Date:
 Estimated Construction Start Date:

Funding Source	Amount	Funding Status	Applicable Date
Local	\$1,163,253	Committed	1/1/2008
HB 608 Non-Coal Grant	\$1,000,000	Committed	1/1/2008
HB 608 Non-Coal Grant	\$1,200,000	Committed	1/1/2008
HB 608 Non-Coal Grant	\$750,000	Committed	1/1/2008
Total:	\$4,113,253		



Drinking Water Project Profile
 WX21037203 - Northern Kentucky Water District
 NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

The following systems are beneficiaries of this project:

DOW PERMIT ID	System Name
KY0590220	Northern Kentucky Water District

Project Ranking by AWMP:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

Plans and Specifications:

- Plans and specs have been sent to DOW.
- Plans and specs have been reviewed by DOW.
- Plans and specs have been sent to PSC.
- Plans and specs have been reviewed by PSC.

Demographic Impacts:

	For Project Area	For Included Systems(s)
Serviceable Population	148	242,220
Serviceable households	53	105,235
Med. Household Income	\$66,702	\$53,957

New or Improved Service:

	Survey Based	GIS Census Overlay
To Unserved Households	369	53
To Underserved Households		0
To Total Households	369	53

Economic Impacts:

Jobs Created	
Jobs Retained	

DW Specific Impacts:

- This project relates to a public health emergency.
- This project will assist a non-compliant system to achieve compliance.
- This project will assist a compliant system to meet future requirements
- This project will provide assistance not compliance related.
- This project will address the terms of the Court Order and/or Agreed Order.
- The system(s) involved with this project have achieved voluntary compliance with violations before being referred for an enforcement case.



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District

NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Project Inventory (Mapped Features):

Line Features:

DOW Permit ID	Line Type	Purpose	Activity	Size (in.)	Material	Length (LF)
KY0590220	WATER LINE: FINISHED	DISTRIBUTION	EXTENSION	6.00	PVC	43,901
KY0590220	WATER LINE: FINISHED	DISTRIBUTION	EXTENSION	8.00	DUCTILE IRON	10,007
					Total Length	53,908

Administrative Components:

- Planning
 Design
 Construction
 Management

Regionalization Components:

Public Water Systems Eliminated:

- This project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- This project includes the elimination of water treatment plant(s) through interconnect(s).

Supplementation of Raw Water Supply:

- This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- This project includes supplementing the existing potable water supply.

Emergency Only Water Supply:

- This project provides emergency only water supply.

Water Source Protection:

- This project includes land acquisition for water source protection.



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District
NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Water Treatment Components:

- This project includes water treatment components

Treatment Activities:

- This project includes a new water treatment plant.
- This project includes an expansion of an existing water treatment plant.
- This project includes rehabilitation of an existing water treatment plant.
- This project includes upgrades to an existing water treatment plant.
- This project includes emergency power generators for treatment activities.
- This project includes redundant treatment processes.

Acute Public Health Risk:

- This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements.
- This project includes infrastructure options to meet CT inactivation requirements.

Chronic Public Health Risk:

- This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant.
- This project will provide treatment modifications for VOCs, IOC, SOC, or Radionuclides.

Secondary Contaminants:

- This project includes treatment modifications to address Secondary Contaminants.

Security:

- This project includes security components for water treatment facilities.

Water Distribution and Storage:

- This project includes water distribution and/or storage components.

Water Line Extensions:

- This project includes water line extension(s).

Length of extensions: 53,908 LF

Number of new connections: 369

Redundancy Components:

- This project includes emergency power generators for distribution and/or storage activities.

Number of units provided: 0

- This project includes redundant distribution and/or storage processes.



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District

NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Finished Water Quality:

- This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).
- This project includes infrastructure to address inability to maintain disinfection residual.

Water Line Replacement:

- This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.

Water Storage and Pressure Components:

- This project includes the construction of new water tank(s).
- This project includes the replacement of existing water tank(s).
- This project includes the rehabilitation of existing water tank(s).
- This project includes the construction of new pump station(s).
- This project includes the rehabilitation of existing pump station(s).

Security:

- This project includes security components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
<input type="checkbox"/> Bioretention	\$0
<input type="checkbox"/> Trees	\$0
<input type="checkbox"/> Green Roofs	\$0
<input type="checkbox"/> Permeable Pavement	\$0
<input type="checkbox"/> Cisterns	\$0
Total Green Infrastructure Cost:	
	\$0

There are no Green Infrastructure components specified for this project.



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District
NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	\$0
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	\$0
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	\$0
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	\$0
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	\$0
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	\$0
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	\$0
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	\$0
<input type="checkbox"/> Water meter replacement with traditional water meters.*	\$0
<input type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$0
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	\$0
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	\$0
Total Water Efficiency Cost:	\$0

* Indicates a business case may be required for this item.

There are no Water Efficiency components specified for this project.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	\$0
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	\$0
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	\$0
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs)).*	\$0
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	\$0
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	\$0
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	\$0
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	\$0
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	\$0
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	\$0
Total Energy Efficiency Cost:	\$0

* Indicates a business case may be required for this item.

There are no Energy Efficiency components specified for this project.



Drinking Water Project Profile

WX21037203 - Northern Kentucky Water District

NKWD - 2006 Campbell Co. Unserved/Underserved System Improvements - Subdistrict H

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	\$0
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	\$0
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	\$0
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	\$0
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	\$0
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	\$0
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	\$0
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	\$0
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	\$0
<input type="checkbox"/> Trenchless or low impact construction technology.*	\$0
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	\$0
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	\$0
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	\$0
Total Environmentally Innovative Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Amanda Yeary (Amanda.Yeary@ky.gov) for DW projects.

Component

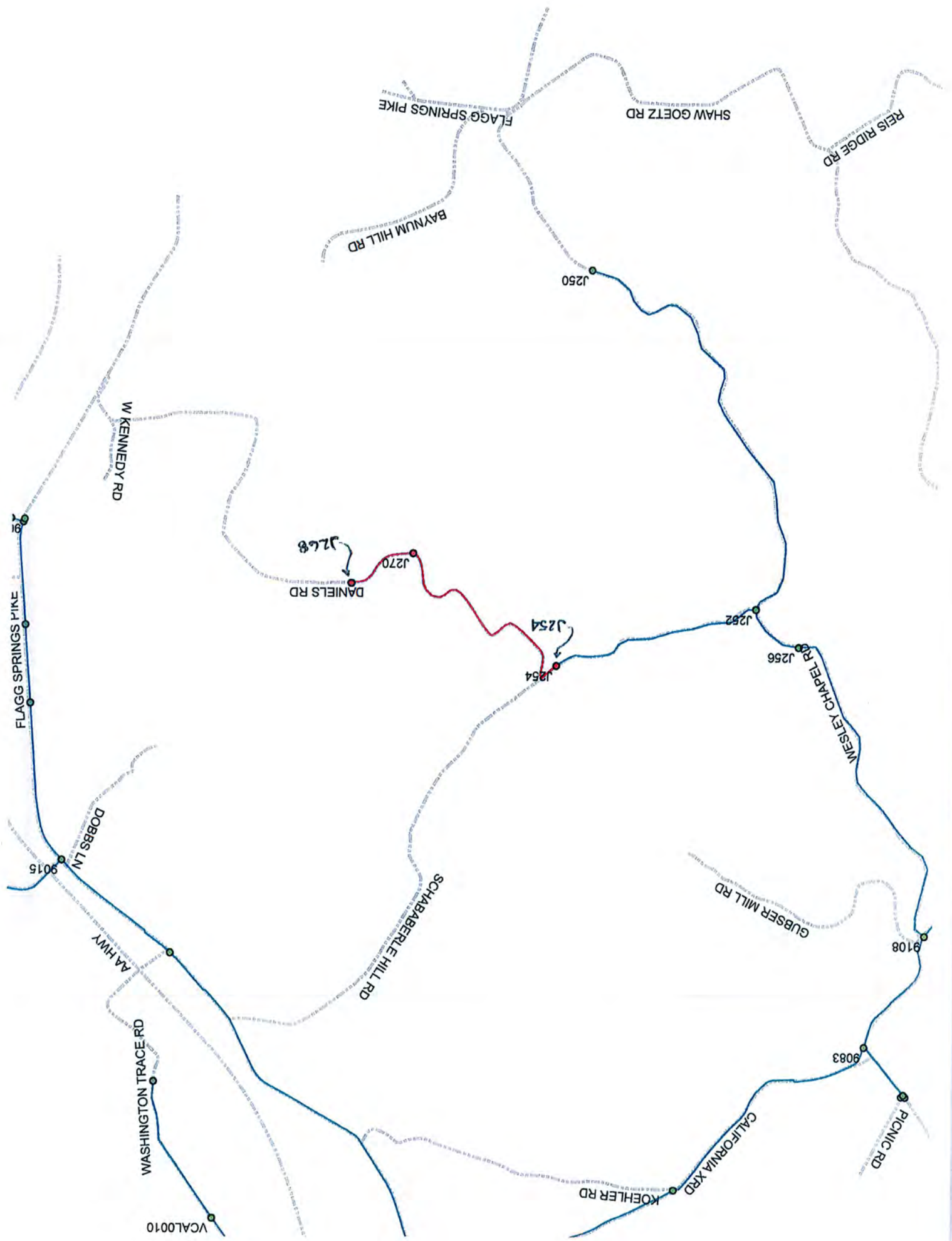
- The system(s) has a Capital Improvement Plan or similar planning document.
- The system(s) involved in this project have developed appropriate rate structures to build, operate, and maintain.
- The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

There are no Asset Management components specified for this project.

Project Status: Under Construction

Date Approved: 01-28-2010

Date Revised:





7025

VCLD0291

7116

AUTUMN LN

7154

7159

E LOW GAP RD

AA HWY
AA HWY

VALX0050

ALEXANDRIA PIKE

7211
7211

7278

7241

7232

7239

FRANK DR

W LOW GAP RD

TOLLGATE RD

KUESSNER DR

11211

11210

OAKVIEW DR

VIEWPOINT DR