

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

PROPOSED REVISION OF RULES REGARDING)
THE PROVISION OF WHOLESAL WATER)
SERVICE BY THE CITY OF VERSAILLES TO) CASE NO. 2011-00419
NORTHEAST WOODFORD WATER DISTRICT)

NOTICE OF FILING

Notice is given to all parties that the following materials have been filed into the record of this proceeding:

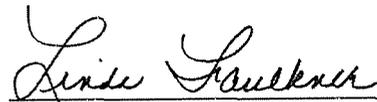
- The digital video recording of the hearing conducted on May 3, 2012 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording;
- All exhibits introduced at the hearing conducted on May 3, 2012 in this proceeding;
- The written log listing, *inter alia*, the date and time of where each witness' testimony begins and ends on the digital video recording of the hearing conducted on May 3, 2012.

A copy of this Notice, the certification of the digital video record, exhibit list, and hearing log have been served by first class mail upon all persons listed at the end of this Notice. Parties desiring an electronic copy of the digital video recording of the hearing in Windows Media format may download a copy at http://psc.ky.gov/av_broadcast/2011-00419/2011-00419_03May12_Inter.aspx. Parties wishing an annotated digital video

recording may submit a written request by electronic mail to pscfilings@ky.gov. A minimal fee will be assessed for a copy of this recording.

The exhibits introduced at the evidentiary hearing may be downloaded at <http://psc.ky.gov/pscscf/2011%20cases/2011-00419/>.

Done at Frankfort, Kentucky, this 30th day of May 2012.



Linda Faulkner
Director, Filings Division
Public Service Commission of Kentucky

John S Davis
Chairman
Northeast Woodford County Water District
225A South Main Street
Versailles, KY 40383

Joseph M Hoffman
Joseph M. Hoffman and Associates
100 United Drive
Suite 4B
Versailles, KENTUCKY 40383

William K Moore
126 South Main Street
Versailles, KENTUCKY 40383

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CERTIFICATE

I, Kathy Gillum, hereby certify that:

1. The attached DVD contains a digital recording of the hearing conducted in the above-styled proceeding on May 3, 2012;

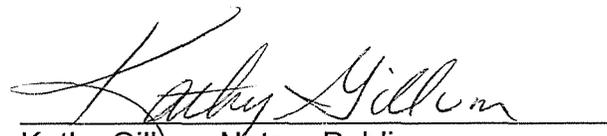
2. I am responsible for the preparation of the digital recording;

3. The digital recording accurately and correctly depicts the hearing;

4. The "Exhibit List" attached to this Certificate lists all exhibits introduced at the hearing of May 3, 2012.

5. The "Hearing Log" attached to this Certificate accurately and correctly states the events that occurred at the hearing of May 3, 2012 and the time at which each occurred.

Given this 30th day of May, 2012.


Kathy Gillum, Notary Public
State at Large

My commission expires: Sept 3, 2013



Case History Log Report

Case Number: 2011-00419_03May12

Case Title: City of Versailles (Wholesale Water)

Case Type: Tariffs

Department:

Plaintiff:

Prosecution:

Defendant:

Defense:

Date: 5/3/2012

Location: Default Location

Judge: Jim Gardner

Clerk: Kathy Gillum

Bailiff:

Event Time	Log Event	
9:00:39 AM	Case Started	
9:00:49 AM	Preliminary Remarks	
9:01:07 AM	Introductions	
	Note: Kathy Gillum	William Moore, attorney for City of Versailles; Joseph Hoffman, attorney for N.E. Woodford WD; and Gerald Wuetcher, staff attorney. No outstanding Motions. Each party will make 5 minute opening statements.
9:01:45 AM	William Moore (City) - Opening Statement	
9:08:30 AM	Joseph Hoffman (NEWWD) - Opening Statement	
9:12:56 AM	William Moore (City)	
9:13:12 AM	Witness, Bart Miller (City)	
	Note: Kathy Gillum	Witness called to testify by William Moore (City).
9:13:52 AM	Examination by William Moore (City)	
	Note: Kathy Gillum	Qualification of the witness by William Moore (City). Witness adopts pre-filed testimony.
9:15:11 AM	Vice Chair Gardner	
	Note: Kathy Gillum	Vice Chair Gardner asked Mr. Moore why should the Commission allow him to deviate from procedure by granting permission for Mr. Moore to ask the witness additional testimony. Commission grants permission for Mr. Moore to proceed after no objections are presented.
9:15:50 AM	William Moore (City)	
	Note: Kathy Gillum	Moves to admit the written testimony of Allison White. No objections.
9:18:23 AM	Joseph Hoffman (NEWWD)	
	Note: Kathy Gillum	Mr. Hoffman states that there were also responses to request for information.
9:18:51 AM	William Moore (City)	
9:19:23 AM	Vice Chair Gardner	
9:19:34 AM	Gerald Wuetcher (PSC)	
9:19:42 AM	Vice Chair Gardner	

9:20:20 AM	Examination by Joseph Hoffman (NEWWD) Note: Kathy Gillum	Questions regarding the number of gallons purchased monthly. Questions regarding the planned expansion. Questions regarding increased demand for water in Versailles. Questions regarding the increase of water purchased by Southeast Woodford.
9:23:27 AM	Examination by Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding treatment capacity before and after the expansion. Questions regarding the revenue amount per month. Questions regarding whether or not calculations were written. Witness states that the calculations are in their Response to PSC DR Item 20(a). Questions regarding the debt service payments. Witness states 1,035,000 annually. Questions regarding the amount of purchase the rule would allow. Questions regarding the enforcement of the rule if implimented. Questions regarding the next largest customer after the two WDs. Witness refers to their Response No. 15.
9:34:01 AM	Data Request (PSC) (withdrawn)	
9:34:13 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding whether or not a review was done to determine what NE's obligation would be. Questions regarding whether or not a formal legal opinion was sought. Witness states that there was no legal opinion sought other than the contract they had. Questions regarding bonds.
9:39:28 AM	Data Request (PSC) Note: Kathy Gillum	Bonds issued to finance the water treatment plant.
9:40:06 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Mr. Wuetcher withdraws first Data Request. Witness supplied the data during the hearing.
9:41:28 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding growth estimations. Witness states that they anticipated being able to provide water to both water districts at their maximun. Question as to whether or not there have been any Amendments to the 1984 contract. Questions regarding expansion as pertaining to residential growth. Witness states that Versailles relied upon the engineering reports or information regarding growth.
9:48:44 AM	Vice Chair Gardner Note: Kathy Gillum	Vice Chair Gardner asked how did witness anticipate apportionment.
9:50:10 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding additional capacity. Questions regarding definite minimum take requirement.
9:56:21 AM	Re-Direct by William Moore (City) Note: Kathy Gillum	Questions regarding backup plan and the amount that can be drawn from Ky American. Questions regarding minimum purchase requirement from Frankfort Plant Board.
9:59:05 AM	Vice Chair Gardner Note: Kathy Gillum	Questions regarding the percentage amount of the expansion without NEWWD. Questions regarding clarification of witness' previous answer regarding minimum amount required by Frankfort Plant Board. Questions regarding average daily production.
10:04:02 AM	Examination by Joseph Hoffman (NEWWD) Note: Kathy Gillum	Questions regarding DR Response No. 20. Questions regarding meter fee to Ky American. Witness states that the meter fee is approx. \$800 per month without any water going thru the meter.

10:07:13 AM	Examination by Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding DR Response No. 20. Questions regarding the withdrawal fee. Questions regarding the KRA fee. Questions regarding drinking water project profile.
10:14:12 AM	Exhibit PSC 1 Note: Kathy Gillum	Exhibit: Document titled, "Drinking Water Project Profile for Project Number WX21239013, Northeast Woodford Water District-Phase II Regionald Interconnect to Frankfort", introduced by Gerald Wuetcher and marked as PSC Exhibit 1.
10:15:15 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding if there are notes of the Water Commission's meetings.
10:19:46 AM	Witness Excused (Miller)	
10:19:59 AM	Vice Chair Gardner	
10:20:12 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Mr. Wuetcher moves to admit PSC Exhibit 1 into the record. No objections.
10:20:39 AM	Vice Chair Gardner	
10:20:53 AM	Joseph Hoffman (NEWWD)	
10:21:00 AM	Witness, Warren Broughman III Note: Kathy Gillum	Witness called to testify by Joseph Hoffman (NEWWD)
10:21:49 AM	Examination by Joseph Hoffman (NEWWD) Note: Kathy Gillum	Qualification of witness by Joseph Hoffman (NEWWD). Witness adopts pre-filed testimony. Mr. Hoffman states that the Witness qualifies as an expert.
10:22:59 AM	Examination by William Moore (City) Note: Kathy Gillum	Questions regarding calculation of keeping the water fresh in the pipeline.
10:25:34 AM	Examination by Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding cost of the water. Questions regarding the presentation to the management council. Witness states he was involved in the preparation of the application to the ADD district (submitted in 2002 or 2003). Questions regarding back up services plan. Questions regarding PSC Exhibit 1. Questions regarding approval of the project as to discussions, etc. Questions regarding the Frankfort interconnection.
10:35:10 AM	Vice Chair Gardner	
10:35:37 AM	Witness Excused (Broughman)	
10:36:02 AM	Case Recessed	
10:46:25 AM	Case Started	
10:46:39 AM	Joseph Hoffman (NEWWD)	
10:46:50 AM	Witness, John S. Davis (NEWWD) Note: Kathy Gillum	Witness called to testify by Joseph Hoffman (NEWWD)
10:47:33 AM	Examination by Joseph Hoffman (NEWWD) Note: Kathy Gillum	Qualification of the witness by Joseph Hoffman (NEWWD) Witness adopts pre-filed testimonies.

10:48:14 AM	Examination by William Moore (City) Note: Kathy Gillum	Questions regarding the district's obligation to buy water from the City of Versailles. Witness states there is no minimum amount, but per the contract they are to buy water from Versailles. Questions regarding purchase of 1 million gallons from Frankfort (per minutes). Questions regarding contract requirement with Frankfort whether water is used or not. Witness states he has been Chairman since 1999. Questions regarding Response to DR No. 2 (provide Minutes of Board meetings). Witness is handed a copy of the minutes in question. Questions regarding reimbursement for emergency line. Questions regarding Grant monies used.
10:57:52 AM	Examination by Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding type of Grant.
10:58:46 AM	Vice Chair Gardner Note: Kathy Gillum	Vice Chair Gardner asked: All three?
10:59:01 AM	John Davis (NEWWD) Note: Kathy Gillum	Mr. Davis explains the grants.
10:59:20 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding the total project cost for the line. Witness states that it is in one of the attachments. Questions regarding construction and completion date. Questions regarding terms of contract with Frankfort.
11:03:16 AM	Vice Chair Gardner	
11:03:23 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	The amount of \$5,730.00 discussed. Questions regarding contract term. Questions regarding whether or not witness believes that they would have to apply to the PSC for approval of incurring indebtedness.
11:08:23 AM	Vice Chair Gardner	
11:08:34 AM	Objection by Joseph Hoffman (NEWWD) Note: Kathy Gillum	Objection: Mr. Davis cannot act without approval of the full Board of Commissioners.
11:09:35 AM	Gerald Wuetcher (PSC) Note: Kathy Gillum	Questions regarding during time period of serving as Chairman, was there a discussion as to what the requirements of the contract were. Questions regarding preparation of Drinking Water Project Profile. Questions regarding benefits to NEWWD by the expansion. Questions regarding back up sources of supply.
11:19:09 AM	Vice Chair Gardner Note: Kathy Gillum	Vice Chair Gardner asked if the Contract is in the record? Mr. Hoffman states that it's in Fred Faust testimony, Exhibit B. (copy was provided to Mr. Gardner). Questions regarding share of costs under the contract. Questions regarding number of customers of NEWWD.
11:25:58 AM	Vice Chair Gardner Note: Kathy Gillum	Vice Chair Gardner states that there is 1 post hearing request. Briefs due June 2nd. Data Requests due May 18th. Include in Brief, address whether the Commission has jurisdiction to hear the matter. And, the issue that Mr. Wuetcher raises regarding KRS 278.300, whether contract has to be approved by Commission to be valid. And the impact of contract with Frankfort. Evidence of indebtedness.
11:31:32 AM	Hearing Adjourned Note: Kathy Gillum	Hearing was adjourned by Vice Chair Gardner.

11:31:53 AM Case Recessed

11:36:04 AM Case Stopped



Exhibit List Report
Case Number: 2011-00419_03May12

Case Title: City of Versailles (Wholesale Water)

Department:

Plaintiff:

Prosecution:

Defendant:

Defense:

Name	Description
PSC Exhibit 1	Document titled, "Drinking Water Project Profile for Project Number WX21239013, Northeast Woodford Water District-Phase II Regionald Interconnect to Frankfort"



Drinking Water Project Profile

Legal Applicant: **Northeast Woodford County Water District**

Project Title: **NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT**

Project Number: **WX21239013** View Map

Submitted By: **BGADD**

Funding Status: **Fully Funded**

Primary County: **Woodford**

Project Status: **Approved**

Planning Unit: **Unit 5**

Project Schedule: **0-2 Years**

Multi-County: **No**

E-Clearinghouse SAI:

ECH Status:

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

Date Approved (AWMPC): **10-21-2005**

Project Description:

NORTHEAST WOODFORD WATER DISTRICT CONTINUES IT REGIONAL INTERCONNECTION WITH FRANKFORT WITH A TAP-ON FEE, BOOSTER PUMP STATION AND EXTENSION ALONG SPRING STATION ROAD TO SERVE 3 UNSERVED CUSTOMERS. THE PROJECT WILL BENEFIT THE ENTIRE WATER DISTRICT WITH AN ALTERNATE SOURCE OF WATER. THE TAP-ON FEE WILL INCLUDE AN 8-INCH PIPELINE TO THE FRANKFORT PLANT BOARD'S LINE ON US 421. THE SPRING STATION EXTENSION WILL INCLUDE 2000 LF OD 6-INCH LINE TO 3 FARMS THAT HAVE NO WATER CURRENTLY. THE TOTAL COST IS EXPECTED TO BE \$300,000.

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:

WILL ALLOW BACK UP SUPPLY OM CASE OF EMERGENCY FROM PRIMARY SUPPLIER. WILL HELP KEEP PRICE IN LINE FROM PRIMARY SUPPLIER BY HAVING A SECOND SOURCE.

Project Alternatives:

Alternate A:

CONSTRUCT NEW TRANSMISSION MAIN TO FRANKFORT

Alternate B:

CONSTRUCT NEW TRANSMISSION TO KENTUCKY AMERICAN WATER CO.

Alternate C:

DO NOTHING (RESULTING IN TAP-ON BAN AND USE RESTRICTIONS).

Legal Applicant:

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

PSC Group ID: **27300**

Entity Name: **Northeast Woodford County Water District**

Web URL:

Office EMail: **northeastwwd@aol.com**

Office Phone: **859-873-2190**

Toll Free:

Fax:

Mail Address Line 1: **225 A South Main St**

Phys Address Line 1:

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Versailles, KY 40383**

Phys City, State Zip:

Contact: **Fred Faust**

Manager: **John Steele Davis**

Contact Title: **Office Manager**

Manager Title: **Chairman**

Contact EMail: **northeastwwd@aol.com**

Manager EMail:

Contact Phone: **859-873-2190**

Manager Phone: **859-873-2190**

Contact Cell:

Manager Cell:

Authorized Official:

Auth. Official Title:

Auth. Official EMail:

Auth. Official Phone:

Auth. Official Cell:

Data Source: **KENTUCKY INFRASTRUCTURE AUTHORITY**

Date Last Modified: **02.09.2010**



Drinking Water Project Profile

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

Project Administrator (PA) Information

Name: **Warner Broughman**

Title: **President**

Organization: **Warner A. Broughman III and Associates**

Address Line 1: **3161 Custer Drive**

Address Line 2:

City: **Lexington** State: **KY** Zip: **40517**

Phone: **859-271-1778** Fax: **859-272-1020**

Project Engineer (PE) Information:

This project requires a licensed Professional Engineer.

License No: **PE 8231**

PE Name: **Warner A. Broughman**

Phone: **859-271-1778** Fax:

E-Mail: **wabiii@prodigy.net**

Firm Name:

Addr Line 1: **3161 Custer Dr., Ste 6**

Addr Line 2: **Suite 6**

Addr Line 3:

City: **Lexington** State: **KY** Zip: **40517**

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

Issued: **07-12-1972** Expires: **06-30-2013**



Drinking Water Project Profile

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

As-Bid Budget

Project Cost Classification:

Administrative Exp.:
 Legal Exp.:
 Land, Appraisals, Easements:
 Relocation Exp. & Payments:
 Planning:
 Engineering Fees - Design:
 Engineering Fees - Construction:
 Engineering Fees - Inspection:
 Engineering Fees - Other:
 Construction: **\$ 300,000**
 Equipment:
 Miscellaneous:
 Contingencies:
Total Project Cost: \$ 300,000

Construction Cost Categories:

Treatment:
 Transmission & Distribution:
 Source:
 Storage:
 Purchase of Systems:
 Restructuring:
 Land Acquisition:
 Non-Categorized: **\$ 300,000**
Total Construction: \$ 300,000

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: **\$300,000**
 Total Committed Funding: **\$300,000**
 Funding Gap: **\$0 (Fully Funded)**

This project will be requesting SRF funding for Federal FY 2013.

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: **02-16-2012**

Estimated Construction Start Date:

Funding Source	Amount	Funding Status	Applicable Date
HB 380 NonCoal Grant	\$300,000	Committed	1/1/2007
Total:	\$300,000		



Drinking Water Project Profile

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

The following systems are beneficiaries of this project:

DOW PERMIT ID	System Name
KY1200310	Northeast Woodford County Water District

Project Ranking by AWMPC:

Regional Ranking(s): **BGADD** **85**

Planning Unit Ranking:

Total Points: **40**

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	181	2,294
Serviceable households	82	995
Med. Household Income	\$54,265	\$61,740

New or Improved Service:

	Survey Based	GIS Census Overlay
To Unserved Households		82
To Underserved Households		
To Total Households		82

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
 WX21239013 - Northeast Woodford County Water District
 NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

Project Inventory (Mapped Features):

Line Features:

DOW Permit ID	Line Type	Purpose	Activity	Size (in.)	Material	Length (LF)
KY 1200310	WATER LINE: FINISHED	DISTRIBUTION	EXTENSION	8.00	PVC	3,465
KY 1200310	WATER LINE: FINISHED	DISTRIBUTION	EXTENSION	8.00	PVC	1,656
					Total Length	5,121

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

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

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: 5,121 LF

Number of new connections: 3

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

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

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 checked="" 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

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

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

WX21239013 - Northeast Woodford County Water District
NORTHEAST WOODFORD WATER DISTRICT-PHASE II REGIONAL INTERCONNECT TO FRANKFORT

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 checked="" 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
<input type="checkbox"/> The system(s) has a Capital Improvement Plan or similar planning document.
<input type="checkbox"/> The system(s) involved in this project have developed appropriate rate structures to build, operate, and maintain.
<input type="checkbox"/> 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: Approved

Date Approved: 10-21-2005

Date Revised: