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Scott Lisenbee
Attorney At Law
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April 9, 2015

Mr. Jeff Derouen
Kentucky Public Service Commission
211 Sower Blvd.
Frankfort, Kentucky 40602

RECEIVED
APR 10 2015
PUBLIC SERVICE
COMMISSION

**RE: Carold Craycraft v. Black Mountain Utility Dist.
Public Service Commission, No. 2015-00038**

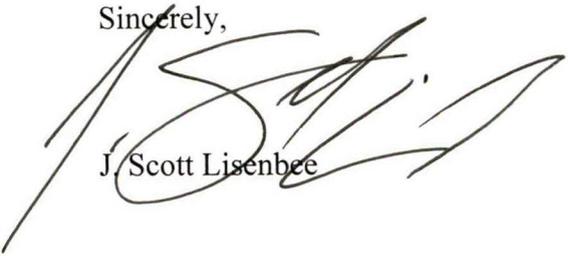
Dear Mr. Derouen:

Please find enclosed the original and ten (10) copies of the Defendant, Black Mountain Utility District's, Response to Requests for Information.

I have also enclosed an extra copy of the document, and a self-addressed, postage pre-paid, return envelope. If you could file-stamp the additional copy and return it to me in the provided envelope, it would be greatly appreciated. I thank you in advance for your assistance.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,


J. Scott Lisenbee

Enclosures

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

APR 10 2015

PUBLIC SERVICE
COMMISSION

IN THE MATTER OF:

CAROLD CRAYCRAFT

COMPLAINANT

V.

PSC CASE NO. 2015-00038

BLACK MOUNTAIN UTILITY DISTRICT

DEFENDANT

**BLACK MOUNTAIN UTILITY DISTRICT'S RESPONSE TO
REQUESTS FOR INFORMATION**

Comes now the Defendant, BLACK MOUNTAIN UTILITY DISTRICT, by and through the undersigned counsel, and for its Response to Requests for Information, as contained in Appendix B of, and pursuant to the Order of March 27, 2015 does hereby state as follows:

APPENDIX B

1. Please see attached;
2. The rehabilitation/leak detection and repair elements of the project are unknown at this time, as the initial design was for the extension; and the rehabilitation/leak detection and repair elements did not go to design prior to the funding being cancelled by letter of October 24, 2014, from State Representative Rick Nelson, of the 87th Legislative District, advising Ms. Debbie Milton, Kentucky Infrastructure Authority of the cancellation (attached as Exhibit A to Black Mountain's Answer to Complaint/Requests for Information and Motion to Dismiss). As such, the direct and indirect costs are unknown at this time;

3. The equipment purchase to be funded would be one (1) 200 gallon pneumatic water booster pump, 50 gallon per minute, at 60 psi, to be placed at the high point of the Woodard Branch Water Line Extension. The preliminary engineer estimate for the pumps and housing is \$100,000.00 (one-hundred thousand dollars);

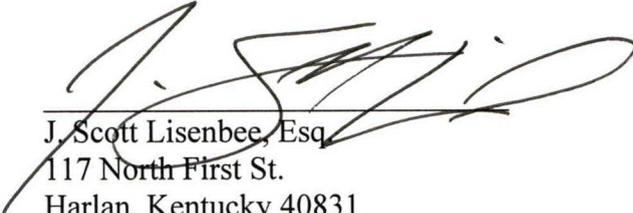
4. The preliminary engineering budget for the Woodard Branch Water Line Extension is estimated at \$168,350.00 (one-hundred and sixty-eight thousand, three-hundred and fifty dollars). Based on the current projected potential number of customers, eight (8), the estimated cost per customer would be \$21,043.75 (twenty-one thousand and forty-three dollars and seventy-five cents);

5. a. and b. After the funding for the project in question was halted due to Representative Nelson's letter of October 24, 2014, and Ms. Debbie Milton's compliance with Representative Nelson's request, as evidenced by her letter to Representative Nelson of October 29, 2014. (attached as Exhibits A and B to Black Mountain's Answer to Complaint/Requests for Information and Motion to Dismiss), representatives of Black Mountain, along with then Harlan County Judge Executive Joe Grieshop, Rep. Nelson, Mr. Tim Schwendeman of the Cumberland Valley Administrative Authority, and project engineer Leo Miller, attempted to meet to discuss the legislative intent, and an agreement in that regards. Due to then Judge Executive Greishop's status as an out-going official (he did not seek re-election, and a new Judge Executive would take office in January of 2015), a meeting did not come to fruition.

A meeting was held on January 28, 2015, between representatives of Black Mountain, along with current Harlan County Judge Executive Dan Mosley, Rep. Nelson, Mr. Tim Schwendeman of the Cumberland Valley Administrative Authority, and project engineer Leo Miller, attempting to determine the legislative intent, and an agreement in that regards.

However, before any further discussions/action could be taken, this Complaint was filed with the PSC on January 29, 2015, which has effectively halted any further action until the Complaint is resolved.

Respectfully Submitted,



J. Scott Lisenbee, Esq.
117 North First St.
Harlan, Kentucky 40831
Phone: (606)573-1766
Fax: (606) 573-1913

ATTORNEY FOR DEFENDANT

I hereby certify that the original and ten (10) copies of the foregoing has been served via UPS to:

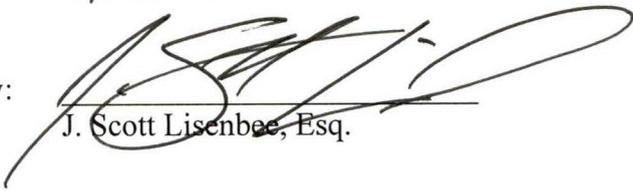
Mr. Jeff Derouen
Kentucky Public Service Commission
211 Sower Blvd.
Frankfort, Kentucky 40602

And by delivering a copy via US Mail, Postage prepaid to:

Mr. Carold Craycraft
499 Woodard Branch Rd.
Bledsoe, Kentucky 40810

This the 9th day of April, 2015.

By:



J. Scott Lisenbee, Esq.

VERIFICATION

I, Ray Metcalfe, Operations Manager of the Black Mountain Utility District hereby verify, state and affirm that I have read the foregoing, and the information contained therein is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Ray Metcalfe

Mr. Ray Metcalfe, Operations Manager
Black Mountain Utility District

COMMONWEALTH OF KENTUCKY)

COUNTY OF HARLAN)

The foregoing was subscribed, acknowledged, and sworn to this 9 day of April, 2015, before me by Ray Metcalfe, Operations Manager, Black Mountain Utility District.

Marguerite A. Howard

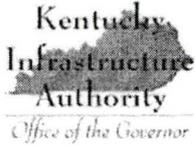
NOTARY PUBLIC, STATE AT LARGE

ID#: 452122

My Commission expires:

9-27-15

**DOCUMENTS AS REQUESTED IN
APPENDIX B NO. 1**



- About Us
- Loan Programs
- WRIS
- Internet Mapping
- Geospatial Data
- WRIS Portal
- System Data
- Project Profile Data
- SRF Project Funding
- Area Water Management Planning Councils
- Downloadable Reports
- Water Management Coordinators
- ADD GIS Staff
- ADD WMC Resources
- ADD GIS Resources
- Legislation & Regulations
- News & Events
- WRIS Contact
 - Rusty Anderson
 - 502-573-0260 x239
 - E-mail

AN REPORT BY EXCESSIVE PAGE. < Click here instead of the browser's Back button to view the last saved page.

Drinking Water Project Profile:

This profile is currently locked (ECH Applicant).

Project Title: **Woodard Br. Waterline Extension - Green Hills System Rehabilitat** Download Profile PDF

Project Number: **WX21095005** [View Map](#) AWMPC: **CVADD**

Funding Status: **Not Funded** Date Approved by AWMPC: **03.25.2014**

Project Status: **Approved** Primary County: **Harlan**

Project Schedule: **0-2 Years** Planning Unit: **Harlan**

E-ClearingHouse SAI: **KY201403280282** ECH Status: **Endorse With Condition**

Primary System: **KY0480341 BMUD - Green Hills** ADD WMC Contact: **Adam Scott**

Legal Applicant: **Black Mountain Utility District**

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

- Narrative
- Applicant
- Administration
- Budget & Schedule
- Impacts
- Components
- Sustainable Infrastructure
- Audit
- Map

Estimated Budget As-Bid Budget

Project Cost Categories	
Cost Category	Cost
Administrative Expenses:	\$5,000
Legal Expenses:	
Land, Appraisals, Easements:	
Relocation Expense & Payments:	
Planning:	\$10,000
Engineering Fees - Design:	\$17,198
Engineering Fees - Construction:	\$4,300
Engineering Fees - Inspection:	\$18,894
Engineering Fees - Other:	
Construction:	\$261,190
Equipment:	
Miscellaneous:	
Contingencies:	\$8,418
Total Project Cost:	\$325,000

Construction Cost Categories	
Cost Category	Cost
Treatment:	
Transmission and Distribution:	\$168,350
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized :	\$92,840
Total Construction Cost:	\$261,190
Total Sustainability Costs:	

Note: Sustainability costs are included within other costs reported in this tab. This breakout, when provided, is for SRF review purposes.

Project Funding Sources

Total Project Cost: **\$325,000**

Total Committed Funding:

Funding Gap: **Not Funded**

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
HB 265 Single County Coal Severance Grant			\$325,000	Anticipated	
Total			\$325,000		

Funding Source Notes

Detailed Project Schedule

Environmental Review Status:

RD Approval Date:

CDBG Approval Date:

No Approval but Cross-Cutter Scoping Completed:

This project requires a construction permit.

Estimated Bid Date:

Estimated Construction Start Date:



Drinking Water Project Profile

Legal Applicant:	Black Mountain Utility District		Submitted By:	CVADD
Project Title:	Woodard Br. Waterline Extension - Green Hills System Rehabilitat			
Project Number:	WX21095005	View Map	Primary County:	Harlan
Funding Status:	Not Funded		Planning Unit:	Harlan
Project Status:	Approved		Multi-County:	No
Project Schedule:	0-2 Years		ECH Status:	Endorse With Condition
E-Clearinghouse SAI:	KY201403280282		ADD WMC Contact:	Adam Scott
Applicant Entity Type:	Water District (KRS 74)			
Date Approved (AWMPC):	03-25-2014			

Project Description:

The project proposes to extend 350 ft of 6" waterline, 2950 ft of 4" waterline including one pump station along Woodard Branch to serve 8 customers. This project has funds for system wide rehabilitation / leak detection and repair as well as to assist in equipment purchase needs.

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:

The project will provide potable water service to an unserved area and reduce water loss to areas already served.

Project Alternatives:

Alternate A:

Drill wells at every household.

Alternate B:

Install cisterns for hauling water.

Legal Applicant:

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

PSC Group ID: **20000**

Entity Name: **Black Mountain Utility District**

Web URL:

Office EMail: **blackmt@harlanonline.net**

Office Phone: **606-573-1277**

Toll Free:

Fax: **606-573-1276**

Mail Address Line 1: **609 Four Mile Rd**

Phys Address Line 1:

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Baxter, KY 40806**

Phys City, State Zip:

Contact: **Ray Metcalfe**

Auth Official: **Steve Sargent**

Contact Title: **Administrator**

Auth Official Title: **Chairman**

Contact EMail: **blackmt@harlanonline.net**

Auth Official EMail: **blackmt@harlanonline.net**

Contact Phone: **606-573-1277**

Auth Official Phone: **606-573-1277**

Contact Cell:

Auth Official Cell:

Data Source: **Kentucky Infrastructure Authority**

Date Last Modified: **06.03.2014**



Drinking Water Project Profile

WX21095005 - Black Mountain Utility District
Woodard Br. Waterline Extension - Green Hills System Rehabilitat

Project Administrator (PA) Information

Name: **Timothy M Schwendeman**
Title: **Assistant Director Planning**
Organization: **Cumberland Valley Area Development District**
Address Line 1: **342 Old Whitley Rd**
Address Line 2: **PO Box 1740**
City: **London** State: **KY** Zip: **40744**
Phone: **606-864-7391** Fax: **606-878-7361**

Applicant Contact (AC) Information

Name: **Ray Metcalf**
Title: **Manager**
Organization: **Black Mountain Water District**
Address Line 1: **609 Four Mile Rd**
Address Line 2:
City: **Baxter** State: **KY** Zip: **40806**
Phone: **606-573-1277** Fax: **606-573-1276**

Project Engineer (PE) Information:

This project requires a licensed Professional Engineer.

License No: **PE 8735**

PE Name: **James Leo Miller**

Phone: **606-573-4300** Fax: **606-573-6722**

E-Mail: **lmiller@leomillerengineering.com**

Firm Name: **Leo Miller & Associates, Inc.**

Addr Line 1: **Leo Miller & Associates, Inc.**

Addr Line 2: **P O Box 488**

Addr Line 3:

City: **Harlan** State: **KY** Zip: **40831**

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

Issued: **01-08-1974** Expires: **06-30-2016**

Engineering Firm Information:

Permit No: **102**

Firm Name: **Leo Miller & Associates, Inc.**

Phone: **606-573-4300** Fax: **606-573-6722**

Web URL: **http://www.leomillerengineering.com/**

E-Mail: **lmiller@leomillerengineering.com**

Addr Line 1: **114 North 2nd St.**

Addr Line 2: **P O Box 488**

City: **Harlan** State: **KY** Zip: **40831**

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

Issued: **03-16-1993** Expires: **12-31-2015**



Drinking Water Project Profile
 WX21095005 - Black Mountain Utility District
 Woodard Br. Waterline Extension - Green Hills System Rehabilitat

Project Cost Classification:

Administrative Exp.:	\$ 5,000
Legal Exp.:	
Land, Appraisals, Easements:	
Relocation Exp. & Payments:	
Planning:	\$ 10,000
Engineering Fees - Design:	\$ 17,198
Engineering Fees - Construction:	\$ 4,300
Engineering Fees - Inspection:	\$ 18,894
Engineering Fees - Other:	
Construction:	\$ 261,190
Equipment:	
Miscellaneous:	
Contingencies:	\$ 8,418
Total Project Cost:	\$ 325,000

Construction Cost Categories:

Treatment:	
Transmission & Distribution:	\$ 168,350
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Catagorized:	\$ 92,840
Total Construction:	\$ 261,190

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: **\$325,000**
 Total Committed Funding: **\$0**
 Funding Gap: **\$325,000 (Not Funded)**
 This project will be requesting SRF funding for fiscal year 2016.

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
HB 265 Single County Coal Severance Grant			\$325,000	Anticipated	N/A
Total:			\$325,000		

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 Notes:

The following systems are beneficiaries of this project:

KY0480341 BMUD - Green Hills

Note: Check mark indicates primary system for this project.

Project Ranking by AWMPC:

- | | |
|------------------------|--|
| Regional Ranking(s): | <input type="radio"/> Plans and specs have been sent to DOW. |
| Planning Unit Ranking: | <input type="radio"/> Plans and specs have been reviewed by DOW. |
| Total Points: | <input type="radio"/> Plans and specs have been sent to PSC. |
| | <input type="radio"/> Plans and specs have been reviewed by PSC. |

Economic, Demographic and Geographic Impacts

Economic Impacts



Drinking Water Project Profile

WX21095005 - Black Mountain Utility District
Woodard Br. Waterline Extension - Green Hills System Rehabilitat

Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Serviceable Demographic	Project Area	Included Systems	Included Utilities
Population:		1,377	10,182
Households:		621	4,676
MHI:		\$24,037	*\$28,789
MHI MOE		\$8,396	*\$7,926
MOE as Pct:		35.0%	27.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2008-2012 5Yr Estimates (Table B19013) *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

- ** NSRL (Non-Standard Rate Levels):
 0 = Income above Kentucky MHI (KMHI).
 1 = Income between 80% KMHI and KMHI.
 2 = Income less than or equal to 80% KMHI.
 - KMHI = \$42,610
 - 80% KHMI = \$34,088

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:	8	
To Underserved Households:		
To Total Households:	8	
** Cost Per Household:	\$40,625	

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

** Cost per household is based on surveyed household counts, not GIS overlay values.

Geographic Impacts For Project Area	
Counties	
Harlan	
Legislative Districts	
District Name	Legislator
House 087	Rick G. Nelson
Senate 29	Johnny Ray Turner
Congressional 5	Hal Rogers
Groundwater Sensitivity Zones	
HUC 11 Watersheds	
HUC Code	Watershed Name
05100202010	Middle Fork Kentucky River, headwaters

Geographic Impacts For Included System(s)	
Counties	
Bell	
Harlan	
Leslie	
Legislative Districts	
District Name	Legislator
House 084	Fitz Steele
House 087	Rick G. Nelson
House 090	Tim Couch
Senate 29	Johnny Ray Turner
Senate 30	Brandon Smith
Congressional 5	Hal Rogers



Drinking Water Project Profile
 WX21095005 - Black Mountain Utility District
 Woodard Br. Waterline Extension - Green Hills System Rehabilitat

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.

Project Inventory (Mapped Features):

Point Features:

DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0480341	1	PUMP STATION	PUMP - BOOST PRESSURE	NEW			

Line Features:

DOW Permit ID	Line Type	Purpose	Activity	Size (in.)	Material	Length (LF)
KY0480341	WATER LINE: FINISHED	DISTRIBUTION	EXTENSION	4.00	PVC	3,024
KY0480341	WATER LINE: FINISHED	DISTRIBUTION	EXTENSION	6.00	PVC	356
					Total Length	3,380

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:



Drinking Water Project Profile
WX21095005 - Black Mountain Utility District
Woodard Br. Waterline Extension - Green Hills System Rehabilitat

- This project includes land acquisition for water source protection.

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: **3,380 LF**

Number of new connections:



Drinking Water Project Profile
 WX21095005 - Black Mountain Utility District
 Woodard Br. Waterline Extension - Green Hills System Rehabilitat

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.

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
 WX21095005 - Black Mountain Utility District
 Woodard Br. Waterline Extension - Green Hills System Rehabilitat

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
 WX21095005 - Black Mountain Utility District
 Woodard Br. Waterline Extension - Green Hills System Rehabilitation

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
<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: 03-25-2014

Date Revised:



Drinking Water Project Profile
WX21095005 - Black Mountain Utility District
Woodard Br. Waterline Extension - Green Hills System Rehabilitat
