



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0463

Harold D. Ward, Cabinet Secretary
dep.wv.gov

MEMORANDUM

To: Marie Prezioso, Chair
Meredith J. Vance, Director, Environmental Engineering Division, BPH

From: Katheryn Emery, P.E. Engineer Chief
Sewer Technical Review Committee

Date: February 20, 2025

Subject: City of Pennsboro
IJDC Application - 2024W-2630
Bonds Creek - Highland Road Waterline Extension Project

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1. This committee has reviewed the preliminary application and engineering report submitted for the above referenced project in accordance with Chapter 31, Article 15A. It has been determined that the proposed project is:
 - a. Consistent with the intent of the Infrastructure and Jobs Development Act and is the most cost-effective, environmentally sound alternative for solving the water needs in this area.
 - b. Not consistent with the Act and may not be the most cost effective, environmentally sound alternative for solving the water needs in this area.
 - c. Same as (a) above except that certain issues need to be addressed prior to design and construction as the attached comments indicate.
 2. Our recommendation is that:
 - a. The Funding Committee needs to review the proposed sources of funding to determine the best mix of grant and/or loan funds in accordance with applicable guidelines.
 - b. The Funding Committee should recommend that the Council approve the proposed project and its funding plan.

- c. The Funding Committee does not need to review the funding assumptions on this project because of deficiencies in the engineering report. The proposed project should be returned for technical comments.
- d. This project should be referred to the Consolidation Committee.

3. Other remarks:

This project proposes to extend public water service to approximately 70 new residential customers that live in the Bonds Creek and Highland Road area of Ritchie County. An interconnect with the Town of Ellenboro's proposed extension will also be completed.

The proposed total cost for this project is \$7,150,000 and Pennsboro intends to pursue a \$7,120,000 WDA Economic Enhancement Grant Fund, and a \$30,000 Ritchie County Commission Grant. While the City is further evaluating the project scope, they should also work with the funding agencies to ensure that a viable funding scenario is proposed upon resubmittal.

Using the Combined Application, the Total Engineering Fee and the Design Fee appear to be within the ASCE curve.

Preliminary Project Ratings:

Public Health Benefits: 15

Compliance with Standards: 5



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MEMORANDUM

TO: Katheryn Emery, P.E., Engineer Chief, DWWM

FROM: Jesse Rupe, P.E., DWWM

DATE: December 5, 2024

SUBJECT: City of Pennsboro
IJDC Application - 2024W-2630
Bonds Creek - Highland Road Waterline Extension Project

RECOMMENDATION

The IJDC Application and Preliminary Engineering Report prepared by The Thrasher Group, Inc. for the above referenced project has been reviewed and is not technically feasible. The comments should be considered prior to resubmittal.

PROJECT DESCRIPTION

The City of Pennsboro operates a water distribution system under (PWSID # 3304306) in Ritchie County, West Virginia. Pennsboro provides drinking water to approximately 616 total customers, including one resale customer. The distribution system includes 3 water storage tanks and has a total storage capacity of 960,000 gallons. The Hughes River Water Board water treatment plant (WTP) has a 2.5 million gallon per day (MGD) capacity.

This project proposes to extend public water service to approximately 70 new residential customers that live in the Bonds Creek and Highland Road area of Ritchie County. The proposed extension will provide water service and fire protection along Bonds Creek Road from its intersection with Pullman Drive (State Rt. 74) to the intersection with County Route 16/4, and interconnect with the end of the Town of Ellenboro's proposed extension. Construction would consist of the installation of new 6" and 8" water main lines, 2" service lines, a new 64,000 gallon storage tank, one new booster station, a new master meter at the interconnection to the proposed Ellenboro system, and 15 new fire hydrants.

The proposed total cost for this project is \$7,150,000 and Pennsboro intends to pursue a \$7,120,000 WDA Economic Enhancement Grant Fund, and a \$30,000 Ritchie County Commission Grant. The proposed monthly rate for 3,400 gallons is \$60.48 (1.74% MHI).

NEED FOR PROJECT

The proposed water line extension is proposed to provide residents along Highland Road and Bonds Creek Road with a reliable source of safe drinking water. All the residents that will be served by the proposed extension currently obtain potable water from private wells. The wells/cisterns serving the homes are problematic because of the unreliability of available water and lack of clean water.

DEFICIENCIES/COMMENTS

- It should be noted that Pennsboro has received petitions requesting water service from 43 of the 70 potential new customers.
- It is recommended that further sampling be conducted via BPH sampling guidelines to confirm that the contamination is located in the private wells and there isn't further contamination being introduced through the plumbing of each house.
- Using the Combined Application, the Design, and Total Engineering Fees appear to be within the ASCE Curves.

Preliminary Project Ratings:

Public Health Benefits: 15
Compliance with Standards: 5

Public Service Commission of West Virginia

201 Brooks Street, P.O. Box 812
Charleston, West Virginia 25323

Phone: (304) 340-0300
Fax: (304) 340-0325



January 15, 2025

Meredith J. Vance
Office of Environmental Health Services
350 Capitol Street, Room 313
Charleston, West Virginia 25301-3713

Re: Public Service Commission Staff Review Comments
Application No. 2024W-2630
City of Pennsboro – Water System Extension, Bonds Creek
Infrastructure Preliminary Application

Dear Ms. Vance:

As requested, the Technical Staff of the Public Service Commission of West Virginia has completed its review of the above-referenced Infrastructure application. In light of Technical Staff's comments enclosed herewith, we are recommending the application be:

forwarded to the Funding Committee

forwarded to the Consolidation Committee

returned to the Applicant

Please advise if you have any questions.

Sincerely,

Jonathan M Fowler
Jonathan M. Fowler, P.E.
Engineering Division

Enclosures
JMF:vb

**PUBLIC SERVICE COMMISSION STAFF
TECHNICAL REVIEW**

DATE: January 14, 2025

PROJECT SPONSOR: CITY OF PENNSBORO – (WATER)

PROJECT SUMMARY: Water line extension due to poor quality and quantity. New booster station and tank. Project will serve approximately 75 residents in the Highland/Bonds Creek area.

PROPOSED FUNDING: Richie County Commission Grant	\$30,000
WDA Economic Enhancement Grant	<u>\$7,120,000</u>
Total	\$7,150,000

**CURRENT/PROPOSED
RATES:**

Schedule I	\$60.48	3,400 gallons
	\$70.72	4,000 gallons
Schedule II	\$74.34	3,400 gallons
	\$86.95	4,000 gallons

Application No. 2024W-2630

RECOMMENDATION: forward to the Funding Committee.
 forward to the Consolidation Committee.
 return to the Applicant.

Owing to the limited amount of grant funds available, Staff recommends that this application be returned and that the applicant be encouraged to develop a more realistic funding package.