



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

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

Date: July 17, 2024

Subject: City of Vienna
Preliminary Application: IJDC No. 2024S-2555
Wastewater System Improvements Project, Phase 1

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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 wastewater needs in this area.
 - b. Not consistent with the Act and may not be the most cost effective, environmentally sound alternative for solving the wastewater 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 tabled for the consultant to address technical comments.
- d. This project should be referred to the Consolidation Committee.

3. Other remarks:

This project should be tabled to the next funding committee meeting to give the Engineer time to address the comments regarding the total project cost.

Sherri A. Young, DO, MBA, FAAFP
Cabinet SecretaryJustin J. Davis
Interim Commissioner**MEMORANDUM**

TO: Jason Billups, P.E.
DEP/Infrastructure Sewer Technical Review Committee

FROM: William S. Herold, Jr., P.E.
I/CD/Environmental Engineering Division

DATE: July 15, 2024

SUBJECT: City of Vienna
Preliminary Application **Project No.: 2024S-2555**
Sewer Line Upgrade/Replacement
Wood County

RECOMMENDATION:

We have reviewed this preliminary application and recommend it be forwarded to the Funding Committee for review.

PROJECT SCOPE:

This preliminary application is to replace the existing sanitary sewers along 11th Avenue and 12th Street & the 12th Street Lift Station Force Main and make modifications to the 12th Street and 32nd Street Lift Stations. The project will consist of the installation of approximately 1,500 LF of 12" and 1,600 LF of 18" PVC sewer line; 14 manholes; 820 LF of PVC service laterals; make modifications to the 12th Street and 32nd Street Lift Stations; approximately 12,360 LF of 20" HDPE force main; 5 air release structures; and 4-12" buried gate valves.

The cost per customer is **\$1,296**. Total estimated project cost is **\$6,730,000** (USEPA Grant: **\$1,000,000**; Governor's Contingency Fund: **\$250,000**; and CWSRF Loan: **\$5,480,000** @ 3.0% for 20 years).

NEED FOR PROJECT:

The Preliminary Engineering Report indicates the sanitary sewer along 11th Avenue and 12th Street are undersized and have high I&I; and the 12th Street Lift Station force main is undersized which causes surcharge problems.

CONCERNS:

None.

PERMITS:

A permit **will not be** required from the WV Bureau for Public Health prior to construction.





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MEMORANDUM

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

FROM: Spencer Fultineer, DWWM

DATE: July 9, 2024

SUBJECT: City of Vienna
Preliminary Application: IJDC No. 2024S-2555
Wastewater System Improvements Project, Phase 1

RECOMMENDATION

The IJDC Application and Preliminary Engineering Report prepared by Burgess and Niple, Inc. for the above referenced project has been reviewed and is recommended to be tabled at the next funding committee meeting.

PROJECT DESCRIPTION

The City of Vienna owns and operates an existing wastewater collection system operating under the NPDES Permit #WV0023221 that provides sanitary sewer service to 5,194 customers in Wood County, WV. The wastewater collection system in Vienna collects flow from all of its customers before sending it to the 12th street lift station to be pumped to the Parkersburg Utility Board's WWTP for treatment.

This project is the first phase of a multi-phase project to update the sewer collection system and correct a significant problem with infiltration and inflow. This phase proposes to replace the existing 10" sewer located at the intersection of 12th street and 11th avenue with over 1,500 linear feet of new 12" sewer and 5 manhole replacements. This project will replace the existing 12" sewer along 12th street with 1,600 linear feet of new 18" sewer and 9 manhole replacements. This project will replace the existing 16" forcemain from Vienna to the WWTP in Parkersburg with 12,360 linear feet of new 20" forcemain.

The proposed total cost for this project is \$6,730,000.00, and the town intends to pursue a \$5,120,000 CWSRF Loan, a \$1,000,000 Congressional Directed Spending (CDS) Grant, and a \$250,000 grant through the Governor's Contingency Funds.

NEED FOR PROJECT

The project will address the high levels of Infiltration and Inflow that were detected from inserting meters within the system. The 12th street and 11th avenue sewer lines will be replaced as well as the forcemain between Vienna and Parkersburg. The proposed project will be the first phase of the necessary rehabilitation of this area of the City's collection system.

DEFICIENCIES/COMMENTS

- Using the Combined Application, the Total Engineering Fee and the Design Fee appear to be within the ASCE curve.
- Cost estimates have discrepancies that need to be addressed. The Engineer was contacted.

Preliminary Project Ratings:

Public Health Benefits: 0

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



July 18, 2024

Ms. Kathy Emery, P. E.
Office of Water Resources
Department of Environmental Protection
601 57th St.
Charleston, West Virginia 25304

Re: Public Service Commission Staff Review Comments
Application No. 2024S-2555
City of Vienna, sewer system improvements
Infrastructure Preliminary Application

Dear Ms. Emery:

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:

- Table the application
- Return the Application
- 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: July 18, 2024

PROJECT SPONSOR: CITY OF VIENNA - SEWER

PROJECT SUMMARY: Includes replacement of the force main to Parkersburg, 11th Avenue sanitary sewer, and the 12th Street sanitary sewer.

PROPOSED FUNDING: Congressionally Directed Grant	\$ 1,000,000
Governor's Contingency Fund	250,000
CWSRF Loan (2.75%, .25% AF, 20 yrs.)	<u>5,480,000</u>
Total	\$ 6,730,000

CURRENT RATES:	\$30.94	3,400 gallons
	\$36.40	4,000 gallons

PROPOSED RATES:	\$45.25	3,400 gallons
	\$53.24	4,000 gallons

Application No. 2024S-2555

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

We recommend tabling this application for one month (until the next TRFC Meeting) due to technical issues.