



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
Bureau for Public Health
Office of Environmental Health Services

Bill J. Crouch
Cabinet Secretary

Ayne Amjad, MD, MPH
Commissioner & State Health Officer

MEMORANDUM

TO: Marie Prezioso, Funding Committee
WV Infrastructure and Jobs Development Council

FROM: Meredith J. Vance
Water Technical Review Committee

DATE: September 27, 2022

RE: Union Williams PSD
IJDC Preliminary Application Number: **2022W-2210**
Middle Ridge Road Waterline Extension (Critical Needs Project)
Wood County

1. The Committee has reviewed the pre-application and preliminary engineering report submitted for the above referenced project in accordance with Chapter 31, Article 15-A. It has been determined that the project is:
 - a. Consistent with the intent of the Infrastructure and Jobs Development Act and is the most cost-effective and environmentally sound alternative for solving the drinking water needs in this area.
 - b. Consistent with the Act but may not be the most cost-effective and environmentally sound alternative for solving the drinking water needs in this area.
 - c. Consistent with the intent of the Act and most cost-effective and environmentally sound alternative for solving the drinking water needs in this area **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 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 application. The proposed project funding should be postponed until technical comments have been resolved.
- d. _____ The project to be referred to the Consolidation Committee.

3. Other remarks:

Comment:

This preliminary application appears technically feasible.

This Preliminary Application proposes to extend public water service to eight residents living along Middle Ridge Road in Wood County.

The requested funding package includes an IJDC Critical Needs Grant: **\$1,000,000.**

The total project cost is **\$1,000,000.**

Concerns include:

- The price per customer is extremely high at \$125,000.

pc: To be distributed at the Funding Committee Meeting

STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
Bureau for Public Health
Office of Environmental Health Services

Bill J. Crouch
Cabinet Secretary

Ayne Amjad, MD, MPH
Commissioner & State Health Officer

MEMORANDUM

TO: Meredith J. Vance, Director
Environmental Engineering Division

FROM: Christopher Thomas, EIT.
Infrastructure & Capacity Development

DATE: September 27, 2022

SUBJECT: Union Williams PSD
IJDC Application- **2022W-2210**
Middle Ridge Road Waterline Extension (Critical Needs Project)
Wood County

Recommendation:

This preliminary application appears technically feasible and is recommended to be forwarded to the Funding Committee.

Project Scope:

This Preliminary Application proposes to extend public water service to eight residents living along Middle Ridge Road in Wood County. Extending service to these residents will involve the installation of approximately 1.5 miles of 4 in water main and appurtenances.

The cost per customer is **\$125,000** for the project. The total project cost is **\$1,000,000** (IJDC Critical Needs Grant: **\$1,000,000**).

Need for the Project:

Residents of Middle Ridge Road have petitioned the PSD to extend water service to them because their existing wells are low yielding and have unsatisfactory water quality.

Concerns:

- The cost per customer is very high.

Permits:

A permit will be required from the WV Bureau for Public Health prior to construction.

Engineering: 6.04% for design, 22.21% for total.

The Design Fees vs. Construction Cost for new construction is below both the average complexity curve and the very complex curve. The Total Fees vs. Construction Cost for new construction is above the average complexity curve and below the very complex curve.

A fee waiver **will not be** required for this project.

Asset Management Plan and Annual Maintenance Audit:

The system indicates in the application that they do not have an asset management plan. The application indicates that the annual maintenance audit for the current year has not been completed.

Capacity Development:

The question about having had a capacity development assessment (CDA) within the last 5 years was marked as “no”. A CDA was performed at the Town of Union in March of 2019. Additional information that may be helpful to the IJDC in their decisions regarding approval of this project relates to the system’s overall compliance. The Town of Union has a score of zero on the January 2022 quarter of the EPA’s Compliance Tracking Tool (ETT). The current score is below the EPA’s action level of > 11.

Based upon information from the Municipal Bond Commission, as of June 2022, the Town of Union is currently on their water reserve funding requirements.

IJDC Ranking:

- Public Health Benefit: 5
- Compliance: 10

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



September 13, 2022

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. 2022W-2210
Union Williams PSD
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, P.E.
Engineering Division

JMF:vb

**PUBLIC SERVICE COMMISSION STAFF
TECHNICAL REVIEW**

DATE: September 12, 2022

PROJECT SPONSOR: UNION WILLIAMS PUBLIC SERVICE DISTRICT -
WATER

PROJECT SUMMARY: 1.6 miles of waterline critical need extension to eight
residents along Middle Ridge Road in Wood County

PROPOSED FUNDING: IJDC Critical Needs Grant \$1,000,000
Total \$1,000,000

**CURRENT/
PROPOSED RATES:** \$26.66 3,400 gallons
\$30.37 4,000 gallons

Application No. 2022W-2210

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

FINANCIAL: William Nelson

1. Current rates (\$26.66 for 3,400 gallons) are below the rate attributable to 1.25% (\$50.74), 1.5% (\$60.89), 1.75% (\$71.04) and 2.0% (\$81.19) of the Median Household Income (MHI).
2. For purposes of this review, Staff is assuming 100% grant funding. Therefore, no cash flow is provided.

NOTES TO COMMENTS:

- A. Staff notes that the project sponsor requested a Draft Rule 42 Exhibit waiver, Staff has no objection.
- B. Senate Bill 234, effective June 12, 2015, required water and sewer utilities that are political subdivisions of the state to maintain a cash working capital reserve in an amount of no less than one-eighth (1/8) of actual annual operation and maintenance expenses. The project sponsor would need to have non-restricted

funds available to meet the 1/8 requirement, otherwise, they may need to take steps to fund this reserve. This 1/8 requirement, along with any steps taken to fund this reserve, may be evaluated by the Commission in future filings in accordance with Public Service Commission General Order 183.11.

ENGINEERING: Mansour Mashayekhi

1. This project may not will require a Certificate of Convenience and Necessity from the PSC. The utility should consult with Commission Staff pursuant to General Order 246 for such determination. If a Certificate is required, the utility should reference this application number on the PSC's Form No. 4 when its application is filed at the Commission given the requirement of West Virginia Code §24-2-11 (c) and (e) et seq.
2. **Scope:** Eight residents living along Middle Ridge Road in Wood County, beyond the end of the PSD's existing main, have petitioned the PSD for water service. Extending service will involve installing approximately 1-1/2 miles of 4-inch water main and appurtenances. The proposed extension will consist of the following: 9,000 L.F. of 4-inch PVC waterline, Five (5) 4-inch gate valves, eight (8) new water meter settings, and two (2) creek crossing. The estimated cost of the project is approximately \$1,000,000.
3. **Need for Project:** This project will provide water service to an area where households struggle to meet their water needs, public water will reduce costs for those who haul water or buy bottled water. Existing wells are low yielding and quality of water is unsatisfactory.
4. **Customer Density:** Customer density for eight new customers will be approximately five (5) new customers-per-mile; this is very low.
5. **Cost per Customer:** Based upon the estimated project cost of \$1,000,000, and having approximately 8 new customers, the cost per customer is approximately \$125,000. This is quite high.
6. **Project Feasibility:** This project appears to be technically feasible and poses little technical risk. However, the customer density is very low, the cost per customer is very high, there are no current customer sign ups and no local funding is included. The project may not be feasible.

7. **Project Alternatives:** Two possible alternatives were considered: A) Do Nothing and B) extend public ware service to the needed area. Extending of water service was selected.
8. **Permits Required:** The project will require the following permits and approvals: WV Bureau of Public Health, WV Division of Highways, WV Division of Natural Resources, and WV DEP construction.
9. **Consolidation:** There are no consolidation issues with the selected alternative.
10. **Inconsistencies:** None was noticed for this project.
11. **Operation and Maintenance (O&M) Expenses:** The project's O&M expenses is expected to remain unchanged and expected to remain at total annual expense of \$678,625.
12. **Engineering Agreement:** The applicant has provided documentation relative to compliance with West Virginia Code §5G-1-1, et seq. Based on the filing, the total design fees for engineering design services are \$46,000 at estimated construction cost of \$760, 980. This is approximately 6.04% of the construction costs as shown on the application.

Preliminary Project Ranking		
O & M Capabilities		
Performance Measures:	0	Pt.
Asset Management:	0	Pt.
Environmental Management:	0	Pt.
Readiness to Proceed:	0	Pt.
Cost Effectiveness:	0	Pt.
Compliance with PSC Orders:	0	Pt.




west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304-2345
Telephone Number: (304) 926-0495
Fax Number: (304) 926-0497

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

MEMORANDUM

MEMO TO: Meredith J. Vance
Office of Environmental Health Services
Bureau for Public Health

FROM: John M. Perkins 
Supervisor
General Permits & Support Team

DATE: August 17, 2022

SUBJECT: Infrastructure Preliminary Application for the Union-Williams PSD
(2022W-2210): Middle Ridge Road CN in Wood County, WV.

We have reviewed the above referenced project application information. The Union-Williams PSD discharges its backwash to its wastewater treatment plant, which is covered under WV/NPDES Permit No. WV0101443 and expires August 21, 2022.

If the Union-Williams PSD is considering repairing and painting an existing water treatment plant or storage tanks, then the scope of this project requires precautions to prevent contamination of the waters of the state. Prior to beginning any removal of old paint, the Union-Williams PSD should contact Mr. Jeremy Bandy or a member of his staff at (304)-926-0499, extension 43894 for guidance in determining whether the paint to be removed is considered a hazardous waste. If so, proper containment and disposal procedures must be followed for the paint and any material associated with the sandblasting. If it is determined that the paint is not hazardous, the Union-Williams PSD City of Morgantown should contact Yogesh Patel or a member of his staff at (304)-926-0499, extension 43877 for proper disposal options.

Construction activities with a disturbed area of one (1) acre or greater are now required to register for the NPDES Storm Water Construction General Permit No. WV0115924 that became

Promoting a healthy environment.

effective on March 9, 2019. Projects registered under the previous General Permit No. WV0115100 were automatically provided coverage under WV/NPDES General Permit No. WV0115924. For more information, they may contact Larry Board at (304)-926-0499, extension 43883.

In light of the above, we have no objection to this project as long as the appropriate provisions are taken to assure compliance with Chapter 22, Article 11, of the Code of West Virginia and any associated regulations. The responsible party may contact Mylinda Maddox (304) 926-0499 ext. 43825, should additional information be required.

JMP:mam

cc: Katheryn Emery



west virginia department of environmental protection

Office of Abandoned Mine Lands & Reclamation
601 57th Street SE
Charleston, WV 25304

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

MEMORANDUM

To: Christopher Thomas, EIT
Infrastructure and Capacity Development

From: Roger A. Earle, P.E., Waterline Coordinator *RAE*
Office of Abandoned Mine Lands & Reclamation

Date: September 14, 2022

Subject: Union Williams PSD – Middle Ridge Road Extension CN
IJDC Preliminary Application: 2022W-2210

This application would most likely not be eligible for AML funds because there are no known AML sites in this project area.

OEHS District Review for Infrastructure Council Water Projects

Water System:	UNION WILLIAMS PSD	IJDC Number:	2022W-2210
Project Description:	Middle Ridge Road Waterline Extension (CN)	Review by:	Bob Smith
County:	Wood	Date:	August 22, 2022

<u>No.</u>	<u>Review Criteria</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>Comments (Especially if No is indicated or providing a DWTRF score)</u>
1.	Does the district agree that the project scope seems to be the most feasible solution?	✓			
2.	Is this the most practical project to correct the problem stated in the application?	✓			
3.	Does the project solve the major operation maintenance problems in the water system?	✓			
4.	Does the project eliminate deficiencies noted in the sanitary survey?	✓			
5.	Should these improvements be made to this system versus another system that could serve the same area?	✓			
6.	The application has an alternative in it evaluating the most likely consolidation option?	✓			
7.	Do you agree with the need statement for the project?	✓			
8.	Has the engineer included all justification (that you are aware of) in the project application?	✓			
9.	Is the management of the water system capable of completing this project?	✓			
10.	Other comments				

<u>No.</u>	<u>Review Criteria</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>Comments (Especially if No is indicated or providing a DWTRF score)</u>
11.	For new projects or projects with revised scope provide DWTRF Priority Ranking Public Health Score (Indicate score in the comments section with explanation)?				<p style="text-align: center;">DWTRF Priority Ranking Public Health Score</p> <p style="text-align: center;">Public Health Score is: 20</p> <p style="text-align: center;">Compliance Score is: 10</p> <p style="text-align: center;">Affordability Score is: 10</p> <p style="text-align: center;">Total Points: 40</p>
12.	For new projects or projects with revised scope provide DWTRF Priority Ranking Compliance Score (Indicate score in the comments section with explanation)?				



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
Bureau for Public Health
Office of Environmental Health Service

Bill J. Crouch
Cabinet Secretary

Ayne Amjad, MD, MPH
Commissioner & State Health Officer

MEMORANDUM

TO: Meredith Vance, Division Director
Environmental Engineering Division

FROM: Valerie Plance, Manager
Capacity Development Program

DATE: September 14, 2022

RE: Union Williams PSD (PWSID# 3305410)
IJDC Application No.: 2022W-2210
Wood County

The Union Williams PSD preliminary infrastructure application indicates that they are not seeking DWTRF monies. The system indicates in the application that they do not have an asset management plan.

The question about having had a capacity development assessment (CDA) within the last 5 years was marked as yes. An assessment was conducted at the system in October 2017.

Additional information that may be helpful to the IJDC in their decisions regarding approval of this project relates to the system's overall compliance. The Union Williams PSD has a score of 7 on the July 2022 quarter of the EPA's Compliance Tracking Tool (ETT). The system has unresolved compliance issues, including the following:

- Failure to address Sanitary Survey Deficiencies from 2019.

Based upon information from the Municipal Bond Commission, as of June 2022, the Union Williams PSD is current on their water reserve funding requirements.

If you require further information from the capacity development program, please contact me.

VAP