



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:** Gauley River PSD  
IJDC Preliminary Application Number: **2022W-2179**  
Critical Needs Route 39 Water Service Extension  
Fayette County

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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.
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- 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 remove and upgrade the existing waterline in-place along Route 39 near the community of Swiss. The project will also include booster stations upgrades and bypasses to allow flow to the Mount Olive Correctional Complex (MOCC) from the City of Summersville.

The proposed funding package includes an IJDC Critical Needs Grant: **\$1,845,000.**

The total project cost is **\$1,845,000.**

pc: To be distributed at the Funding Committee Meeting

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**MEMORANDUM**

**TO:** Meredith J. Vance, Director  
Environmental Engineering Division

**FROM:** Christopher W. Thomas, EIT.  
Infrastructure & Capacity Development

**DATE:** September 27, 2022

**SUBJECT:** Gauley River PSD  
IJDC Application- **2022W-2179**  
Critical Needs Route 39 Water Service Extension  
Fayette 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 remove and upgrade the existing waterline in-place along Route 39 near the community of Swiss. The project will also include booster stations upgrades and bypasses to allow flow to the Mount Olive Correctional Complex (MOCC) from the City of Summersville. The project will consist of 1.6 miles of 8-inch waterline, 750 linear feet of ¾ to 1 inch service tubing, one (1) ¾ inch air release valve, two (2) 8-inch tie-ins to existing waterline, twelve (12) 8-inch gate valves, forty (40) meter setting replacements and reconnects, five (5) fire hydrants, three (3) booster station upgrades, three booster station bypasses, and all necessary appurtenances.

The cost per customer is **\$1,429** for the project. The total project cost is **\$1,845,000** (IJDC Critical Needs Grant: **\$1,845,000**).

**Need for the Project:**

The waterline along Route 39 is undersized in areas and is nearing the end of its useful service life and regularly experiences leaks, line breaks, and customer service interruptions. This line will directly serve the MOCC if water flows from the City of Summersville. The Gauley River PSD (PSD) desires to have the ability to serve MOCC from both the Kanawha Falls PSD as it currently does and the City of Summersville. The proposed project will replace the inadequate

water mains along Route 39, upgrade three pump stations and install by-passes on three pump stations to allow water to flow by gravity to MOCC from the City of Summersville.

**Concerns:**

- PER has differing numbers of booster pump stations to be upgraded (2 or 3). Engineer clarified it was 3 booster pump stations to be upgraded.
- The PSD has an unaccounted-for water of 33.45% which is high. However, this project should help.

**Permits:**

A permit will be required from the WV Bureau for Public Health prior to construction. Construction activities with a disturbed area of one (1) acre or greater are required to register for the NPDES Storm Water Construction General Permit No. WV0115924. A permit for stream crossings may be required. A Certificate of Convenience and Necessity will be required from the PSC. A permit from the WV Division of Highways will be required for the construction activities that will take place within WVDOH right-of-way.

**Engineering:** 8.55% for design, 20.7% for total.

The Design Fees vs. Construction Cost for new construction is above both the average complexity curve and the very complex curve. The Design Fees vs. Construction Cost for modifications is above the average complexity curve and below the very complex curve. The Total Fees vs. Construction Cost for new construction is above both the average complexity curve and the very complex curve. The Total Fees vs. Construction Cost for modified 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 marked the question in the application concerning an asset management plan as “No”. This is correct. The Gauley River PSD has not had an Asset Management Plan approved by the BPH.

**Capacity Development:**

The question about having had a capacity development assessment (CDA) within the last 5 years was marked as “No”. There is no record of a CDA at Gauley River PSD.

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 Gauley River PSD system has a score of 6 on the July 2022 quarter of the EPA’s Compliance Tracking Tool (ETT). The current score is below the EPA’s action level of > 11.

Gauley River PSD  
Project No.: **2022W-2179**  
September 27, 2022  
Page 3

Based upon information from the Municipal Bond Commission, as of July 2022, the Gauley River PSD is current on their water reserve funding requirements.

**IJDC Ranking:**

- Public Health Benefit: 5
- Compliance: 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



September 6, 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-2179  
Gauley River 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,

A handwritten signature in blue ink, appearing to read "Jonathan M. Fowler", is written over a blue horizontal line.

Jonathan M. Fowler, P.E.  
Engineering Division

JMF:vb

**PUBLIC SERVICE COMMISSION STAFF  
TECHNICAL REVIEW**

**DATE:** September 6, 2022

**PROJECT SPONSOR:** GAULEY RIVER PUBLIC SERVICE DISTRICT

**PROJECT SUMMARY:** Replacement and upsizing of lines along Route 39 to lower water losses, increase capacity and provide a fully redundant source of supply for the Mount Olive Correctional Complex (MOCC). Project will enable utility to serve MOCC from both Kanawha Falls PSD and/or from Summersville.

**PROPOSED FUNDING:** IJDC Critical Needs Grant \$1,845,000

**CURRENT RATES:** \$59.43 3,400 gallons  
\$69.41 4,000 gallons

**PROPOSED RATES:** \$60.95 3,400 gallons  
\$71.19 4,000 gallons

Application No. 2022W-2179

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

**FINANCIAL:** David L. Acord, II

1. Current rates (\$59.43 for 3,400 gallons) are above the rates attributable to 1.25% (\$45.54) and 1.5% (\$54.65) of the Median Household Income (MHI), but below the rates attributable to 1.75% (\$63.76), and 2% (\$72.87) of the MHI.
2. For purposes of this review, Staff is assuming 100% grant funding. Therefore, no cash flow is provided.

Notes to Comments:

- A. The Applicant is requesting a waiver of the Rule 42 Exhibit requirement

since the project is expected to be funded with 100% grants and will have no effect on current rates. Staff has no objection to this request.

- B. The District in this Critical Needs application listed its current rate (\$56.42 for 3,400 gallons) and Proforma rate (\$60.95 for 3,400 gallons). The application was filed prior to the Recommended Decision in Case No. 22-0078-PWD-19A becoming final. The District received approval in the noted rate case charge rates of \$59.43 for 3,400 gallons - effective for all services rendered on and after August 2, 2022.
  
- C. 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:** Jonathan M. Fowler, P.E.

1. This project may not 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). Staff notes that an affirmative determination of need for the project must be established in any Certificate filing before the PSC.
  
2. Scope & Need: The utility proposes to replace and enlarge certain mains and make improvements to existing pumping and pressure control systems in order to improve hydraulics and enhance the flow rate and daily volume of water which may be delivered from the Summersville system to the utility's existing tanks at Belva. This will provide the utility with a fully redundant source and greatly enhance the reliability of supply to the critical facilities at the Mt. Olive Correctional Complex. Staff is quite familiar with this system and their recent operational issues and opines that the proposed improvements are appropriate and necessary.



This project includes approximately 8,500 linear feet (LF) of 8" PVC C-900 DR-14 Waterline, 250 LF of 1" & ¾" SDR 9 Service Tubing (Open-cut), 500 LF of 1" to ¾" SDR 9 Service Tubing (Bore & Jack), one (1) ¾" Air Release Valves, two (2) 8" Tie-in to Existing Waterline, twelve (12) 8" Gate Valves, 40 High Pressure Meter Setting Replacements, 40 Service Reconnects, five (5) Fire Hydrant Assemblies, 40 Existing Meter Setting Removals, three (3) Booster Station Upgrade, three (3) Booster Station Bypasses, 150 LF of WVDOH Type "A" Trench Repair, 250 LF of WVDOH Type "B" Trench Repair and all necessary. Work is also included to insure compatibility of the district's telemetry systems with the supplier's system at Summersville.

- Customer Density: N/A no new customers, internal improvements
  - Cost per Customer: \$807. This is based on the project cost of \$1,845,000 spread over 2,287 equivalent customers - including 920 equivalent customers at the MOCC. (Project benefits all customers.)
3. Project Feasibility: The project is technically feasible. The cost per customer is reasonable based on the number of equivalent customers served and is deemed necessary in light of the need for a reliable water supply for the critical Mt. Olive facility.
  4. Project Alternatives: There are no practical and cost-effective alternatives besides the proposed project.
  - =
  5. Consolidation: The District is currently the subject of a General Investigation by the Commission. Consolidation opportunities may present themselves as a result of this investigation however, this project is opined to be necessary and appropriate without respect to any future consolidation.
  6. Inconsistencies: No fatal issues were noted.
  7. Operation and Maintenance (O & M) Expenses: No substantive change in O&M will result from the proposed project; in fact, O&M should decrease over the long term as a result of reduced water losses and improved system operability.
  8. Engineering Agreement: The application includes information to determine compliance with West Virginia Code §§5G-1-1, et seq. Total technical services (engineering) costs for the project are \$290,000 which is equal to 20.7% of the

construction cost of \$1,403,000 (including contingency).

<i>Preliminary Project Ranking</i>		
O & M Capabilities		
Performance Measures:	1	<i>Pt.</i>
Asset Management:	1	<i>Pt.</i>
Environmental Management:	0	<i>Pt.</i>
Readiness to Proceed:	0	<i>Pt.</i>
Cost Effectiveness:	1	<i>Pt.</i>
Compliance with PSC Orders:	0	<i>Pt.</i>



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west virginia department of environmental protection


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Division of Water and Waste Management  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345  
Telephone: 304-926-0495  
Fax: 304-926-0496

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

**M E M O R A N D U M**

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 Gauley River PSD (2022W-2179):  
Mt. Olive MOCC Service CN in Fayette County, WV.

We have reviewed the above referenced project application information. The Gauley River PSD purchases water from the Summersville Municipal Water. No NPDES permit modifications are necessary.

If the Gauley River 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 Gauley River 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 Gauley River PSD 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 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



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west virginia department of environmental protection

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Office of Abandoned Mine Lands & Reclamation  
601 57<sup>th</sup> 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:** Gauley River PSD – Mount Olive Upgrade CN  
IJDC Preliminary Application: 2022W-2179

AML does not participate in routine improvements or replacement of existing systems. Therefore, AML funds will not be available for this project.

## OEHS District Review for Infrastructure Council Water Projects

Water System:	Gauley River PSD	IJDC Number:	2022W-2179
Project Description:	Route 39 Water Service Extension	Review by:	Patrick M. Murphy
County:	Fayette	Date:	September 12, 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?	X			
2.	Is this the most practical project to correct the problem stated in the application?	X			
3.	Does the project solve the major operation maintenance problems in the water system?			X	
4.	Does the project eliminate deficiencies noted in the sanitary survey?			X	
5.	Should these improvements be made to this system versus another system that could serve the same area?			X	
6.	The application has an alternative in it evaluating the most likely consolidation option?	X			
7.	Do you agree with the need statement for the project?	X			
8.	Has the engineer included all justification (that you are aware of) in the project application?	X			
9.	Is the management of the water system capable of completing this project?	X			
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)?				
12.	For new projects or projects with revised scope provide DWTRF Priority Ranking Compliance Score (Indicate score in the comments section with explanation)?				
13.					
14.					



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**MEMORANDUM**

**TO:** Meredith Vance, Division Director  
Environmental Engineering Division

**FROM:** Valerie Plance, Manager  
Capacity Development Program

**DATE:** May 12, 2022

**RE:** Gauley River PSD PWSIDs#: 3301042  
IJDC Application No.: 2022W-2179  
Fayette County

The Gauley River PSD preliminary infrastructure application indicates that they are not seeking DWTRF monies. The system marked the question regarding having an asset management plan as N/A. The system has not had an Asset Management Plan approved by the BPH. The question about having had a capacity development assessment (CDA) within the last 5 years was marked as N/A, there is no record of a CDA at Gauley River PSD.

Additional information that may be helpful to the IJDC in their decisions regarding approval of funding requests for the system relates to the systems' overall compliance. The Gauley River PSD system has a score of 6 on the July 2022 quarter of the EPA's Compliance Tracking tool (ETT.) This indicates the system has various unresolved compliance issues. Some of which are:

- Failure to submit testing for DBPs in 2021, 2022
- Violation of the LCR in 2018
- Multiple violations of the Public Notice Rule.

Based upon information from the Municipal Bond Commission, as of July 2022, the Gauley River PSD is current on their water reserve funding requirements.

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

VAP