



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
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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., Program Manager
Sewer Technical Review Committee

Date: August 15, 2025

Subject: Crum Public Service District
IJDC Application - 2024W-2562
Water Treatment Plant Construction

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 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.

Promoting a healthy environment.

- 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 the consultant to address technical comments.
- d. ☐ This project should be referred to the Consolidation Committee.

3. Other remarks:

The proposed project should be returned for the consultant to have adequate time to provide the requested information.

Public Service Commission of West Virginia

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

Phone: (304) 340-0300
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August 11, 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-2562
Crum PSD – New Water Treatment Plant (WTP)
Infrastructure Preliminary Application

Dear Ms. Vance:

As requested, the Technical Staff of the Public Service Commission of West Virginia has reviewed the above-referenced Infrastructure application. As the Applicant has not yet responded to Technical Staff's comments, we are recommending the application be:

☐ Forwarded to the Funding Committee

☐ Forwarded to the Consolidation Committee

☒ Tabled to allow the Applicant time to respond to comments

Please advise if you have any questions.

Sincerely,

Brandon Crace

Brandon Crace
Engineering Division

Enclosures
BC:



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MEMORANDUM

TO: Katheryn Emery, P.E., Program Manager, DWWM

FROM: Jesse Rupe, P.E., DWWM

DATE: June 9, 2025

SUBJECT: Crum Public Service District
IJDC Application - 2024W-2562
Water Treatment Plant Construction Project

RECOMMENDATION

The IJDC Application and Preliminary Engineering Report prepared by E.L. Robinson Engineering for the above referenced project has been reviewed and should be returned.

PROJECT DESCRIPTION

The Crum Public Service District (CPSD) is located in and supplies potable water to southern Wayne County, West Virginia under PWSID Permit #WV3302448. CPSD currently serves 1,333 customers and purchases all the water for their distribution system from the Kermit Municipal Water (KMW) and Mingo County Public Service District (MCPSD) water treatment plants (WTPs).

The project proposes that Crum PSD construct their own water treatment plant (WTP). The proposed WTP would be a 1,200 gallon per minute (gpm) surface water plant. It would include an intake structure on the bank of the Tug Fork River, three (3) raw water pumps, and approximately 400 ft of 12 inch Ductile Iron Pipe raw water intake line, which would connect to the existing distribution system. Also, three (3) booster pump stations would be replaced with pressure reducing valves, a new booster pump station would need to be constructed, and an additional water storage tank would need to be constructed. Crum PSD would be able to provide

water service to Fort Gay from their existing US Rt. 52 Storage Tank and would need to be connected at the Mill Creek Road and US Rt. 52 Intersection.

The proposed total cost for this project is \$16,561,000 and Crum PSD intends to pursue a \$1,500,000 USACE Grant, a \$3,000,000 Community Development Block Grant, a \$1,000,000 IJDC Grant, a \$1,500,000 WVDEP DWSRF Debt Forgiveness Loan, a \$2,000,000 WVDEP DWSRF Loan, a \$1,000,000 USDA Grant, a \$1,340,000 USDA Grant, and \$5,221,000 WDA EEGF Grant. The proposed monthly rate for 3,400 gallons is \$68.04 (2.53% MHI).

NEED FOR PROJECT

Crum PSD currently purchases all of their water from Kermit Municipal Water and Mingo County Public Service District; they have little control over their water supply. CPSD is regularly requested to reduce or stop pumping water from their suppliers, and it causes shortages within their distribution system. KMW is proposing a project to upgrade their water treatment and distribution system, and CPSD is concerned this will result in significant increases in their water purchase rate. Fort Gay's WTP and system has multiple deficiencies and has trouble meeting their customer needs. Construction of Crum PSD's proposed WTP would also provide consistent water to Fort Gay.

DEFICIENCIES/COMMENTS

- No additional information has been received from the Consultant. This application should be returned to allow the PSD and Consultant time to properly review other possible alternatives.
- It should be noted that Crum PSD and Fort Gay have not entered into any sort of agreement for water purchase.
- The utilities of KMW, Crum PSD, and the Town of Fort Gay all lie within a twenty mile stretch of the Tug Fork River in southern Wayne County. The PER indicates KMW and Fort Gay's issues with finding certified operators. This could be an issue, as adding another surface water WTP would increase the number of operators required, in an area that is already limited with finding certified operators. KMW should also be brought to the table to discuss as its WTP is currently operating at 75 hours per week, and their system could benefit from the construction of a new WTP that is centrally located in this region. In addition, the alternative of a connection to the Kenova water system should be evaluated as an alternative water source (request letter May 14, 2025 from Wayne Morgan).
- 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: 15