



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 *MJV*
Water Technical Review Committee

DATE: June 28, 2022

RE: Grandview Doolin PSD
IJDC Preliminary Application Number: **2022W-2142**
Woodlands Road & Honey Run Road Water Extension
Marshall/Wetzel 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:

PSC Comment:

PSC Staff is assuming 100% grant funding; therefore, no cash flow is provided.

pc: To be distributed at the Funding Committee Meeting



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MEMORANDUM

TO: Meredith J. Vance, Director
Environmental Engineering Division

FROM: William Herold, P.E.
Infrastructure & Capacity Development

DATE: June 28, 2022

SUBJECT: Grandview Doolin PSD
IJDC Application- **2022W-2142**
Woodlands Road & Honey Road Water Extensions
Marshall/Wetzel County

Recommendation:

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

Project Scope:

This Preliminary Application is to extend water service to eleven (11) new customers on Woodlands Road (Marshall County) and Honey Run Road (Wetzel County). The project will consist of the installation of approximately 1,100 LF of 6" and 840 LF of 3" water line and all necessary valves and appurtenances.

The cost per customer is **\$43,636** for the project. The total project cost is **\$480,000** (IJDC Critical Needs Grant: **\$330,000**; and Marshall County Commission: **\$150,000**).

Need for the Project:

The PER indicates Woodlands Road and Honey Run Roads areas are served by individual private wells which provide an erratic water supply.

Concerns:

None.

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 may not 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: 5.27% for design, 20.47% for total.

The Design Fees vs. Construction Cost for new construction is below both the average complexity curve and the very complex curve. The Design Fees vs. Construction Cost for modifications is below the average complexity curve and 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 both the average complexity curve and the very complex curve. A fee waiver **will 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”. The Grandview Doolin PSD does not currently have an approved Asset Management Plan on file with the BPH. The application indicates that the annual maintenance audit for the current year has been completed.

Capacity Development:

The question about having had a capacity development assessment (CDA) within the last 5 years was marked as no. On August 4, 2004, a Capacity and Development Assessment was performed at the Grandview Doolin PSD Water System.

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 ETT system shows a score of 0 for the Grandview Doolin PSD on the January 2022 report.

Based upon information from the Municipal Bond Commission, as of May 2022, the Grandview Doolin PSD is current on their water reserve funding requirements.

IJDC Ranking:

- Public Health Benefit: 10
- 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



Stephanie D. Hickerson
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-2142
Grandview-Doolin PSD
Infrastructure Preliminary Application

Dear Ms. Hickerson:

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 that reads 'Jonathan M. Fowler'.

Jonathan M. Fowler, P.E.
Engineering Division

JMF:vb

**PUBLIC SERVICE COMMISSION STAFF
TECHNICAL REVIEW**

DATE: June 14, 2022

PROJECT SPONSOR: GRANDVIEW-DOOLIN PUBLIC SERVICE DISTRICT

PROJECT SUMMARY: The Grandview-Doolin PSD Critical Needs Waterline Extension project will provide clean and reliable water to 11 households on Woodlands Road (Marshall County) and Honey Run Road (Wetzel County). The District was petitioned by the residents due to the erratic supply of drinking water their private wells provide.

PROPOSED FUNDING: IJDC Critical Needs Grant	\$330,000
Local Grant	<u>150,000</u>
	\$480,000

CURRENT RATES:	\$53.20	3,400 gallons
	\$61.76	4,000 gallons

PROPOSED RATES:	\$57.80	3,400 gallons
	\$67.11	4,000 gallons

Application No. 2022W-2142

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

FINANCIAL: David L. Acord, II

1. Current rates (\$53.20 for 3,400 gallons) are above the rates attributable to 1.25% (\$40.73) and 1.5% (\$48.87) of the Median Household Income (MHI), but below the rates attributable to 1.75% (\$57.02), and 2% (\$65.16) of the MHI.
2. For purposes of this review, Staff is assuming 100% grant funding. Therefore, no cash flow is provided.

3. Notes to Comments:

- A. The Applicant is requesting a waiver of the Rule 42 Exhibit requirement since the project will be funded with 100% grants and no increase in rates is proposed due to the project. NOTE: The District received approval in Case No. 21-0826-PWD-CN to charge rates (\$57.80 for 3,400 gallons) on and after the date the project, associated with the aforementioned case, is certified as substantially completed.
- 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: Jim Spurlock

1. This project may not require a Certificate of Convenience and Necessity from the PSC. The utility should consult with 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 a Certificate filing at the PSC.
2. Scope: Grandview-Doolin PSD proposes a Critical Needs waterline extension to 11 households on Woodlands Road and Honey Run Road. Construction will include 1,100 feet of 6-inch, 840 feet of 3-inch, and 600 feet of 2-inch water line.

Customer Density: 23 customers/mile which is acceptable.

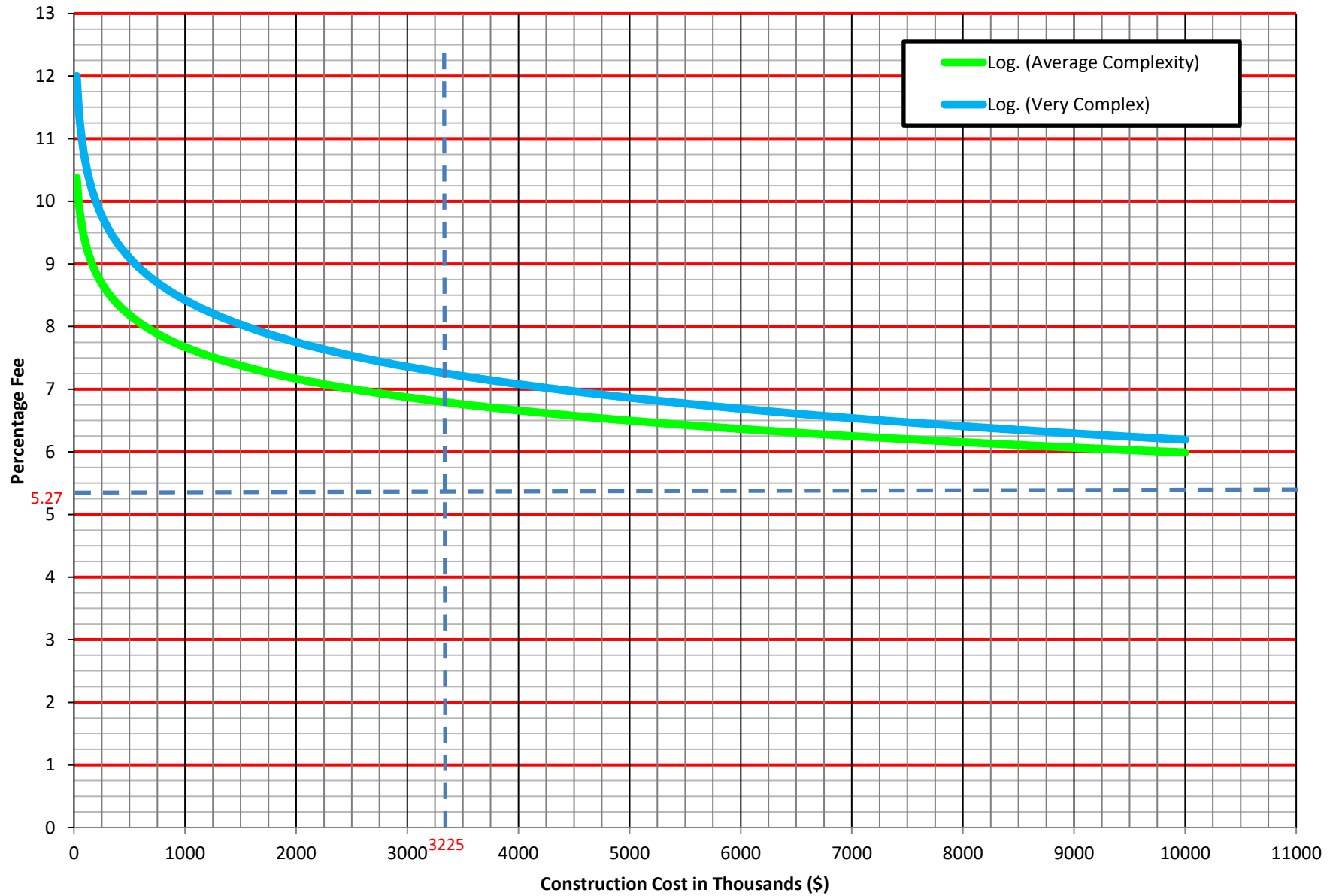
Cost per Customer: \$43,636 (taken from the total project cost estimate of \$480,000 spread over 11 new customers). This is not excessive.

3. **Project Feasibility:** The project is technically feasible. The cost per customer is reasonable. The project will provide public water service to households which have petitioned the District due to the erratic supply from their private wells.
4. **Project Alternatives:** No reasonable alternatives to evaluate exist other than the proposed project.
5. **Consolidation:** There are no consolidation opportunities presented by the project.
6. **Inconsistencies:** The construction cost estimate does not appear to include the 600 feet of 2-inch water line to serve Honey Well Road (2 households). Also, the construction cost estimate contains ten meter settings rather than eleven. These errors must be addressed as the project proceeds.
7. **Operation and Maintenance (O & M) Expenses:** O & M expenses are projected to increase by \$1,879 annually as a result of the project. Supporting calculations were provided.
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 \$66,000 which is equal to 20.47% of the construction cost of \$322,483 (including contingency).

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

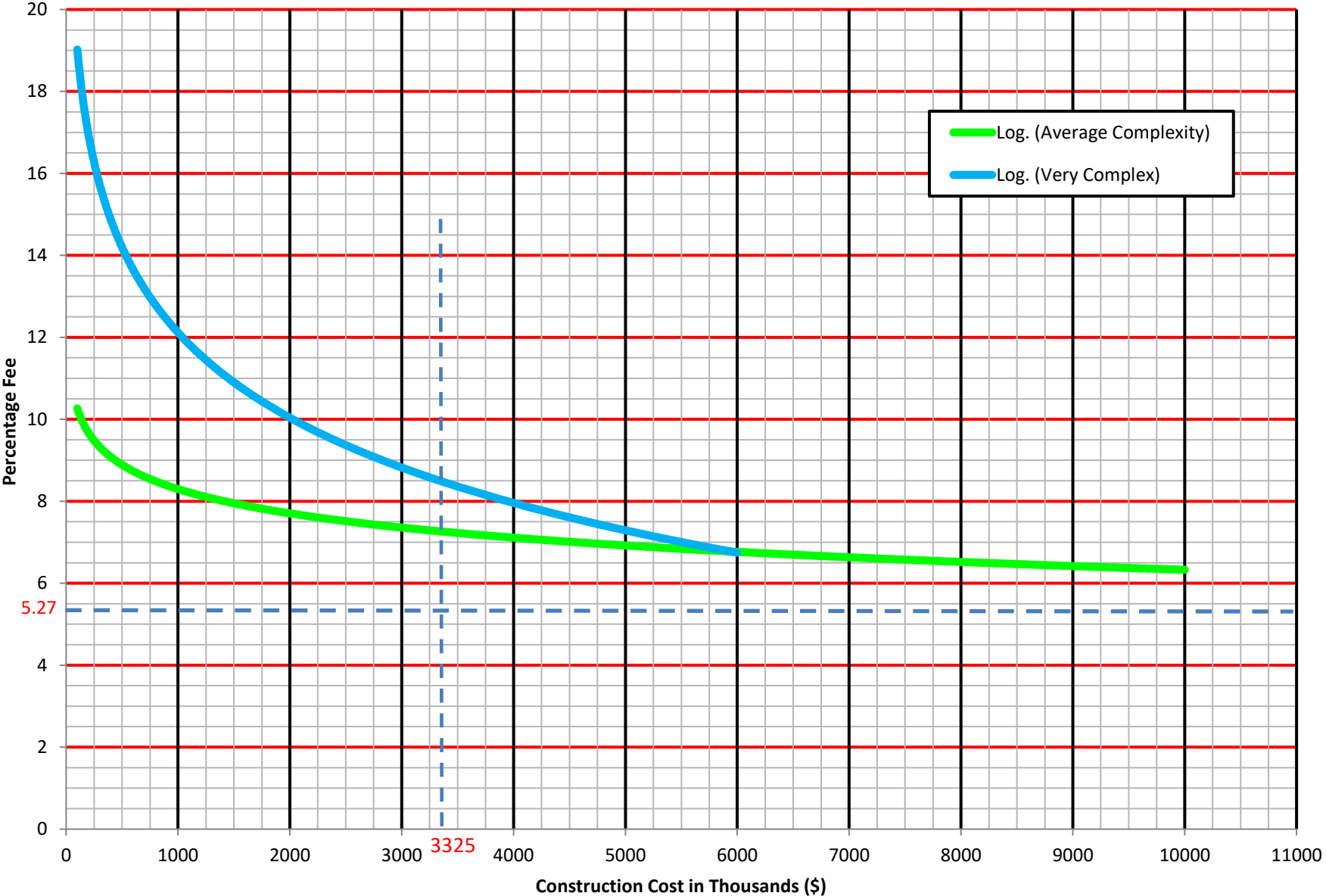
Graph 1. Design Fee vs. Construction Cost for New Construction

Grandview Doolin PSD
2022W-2142



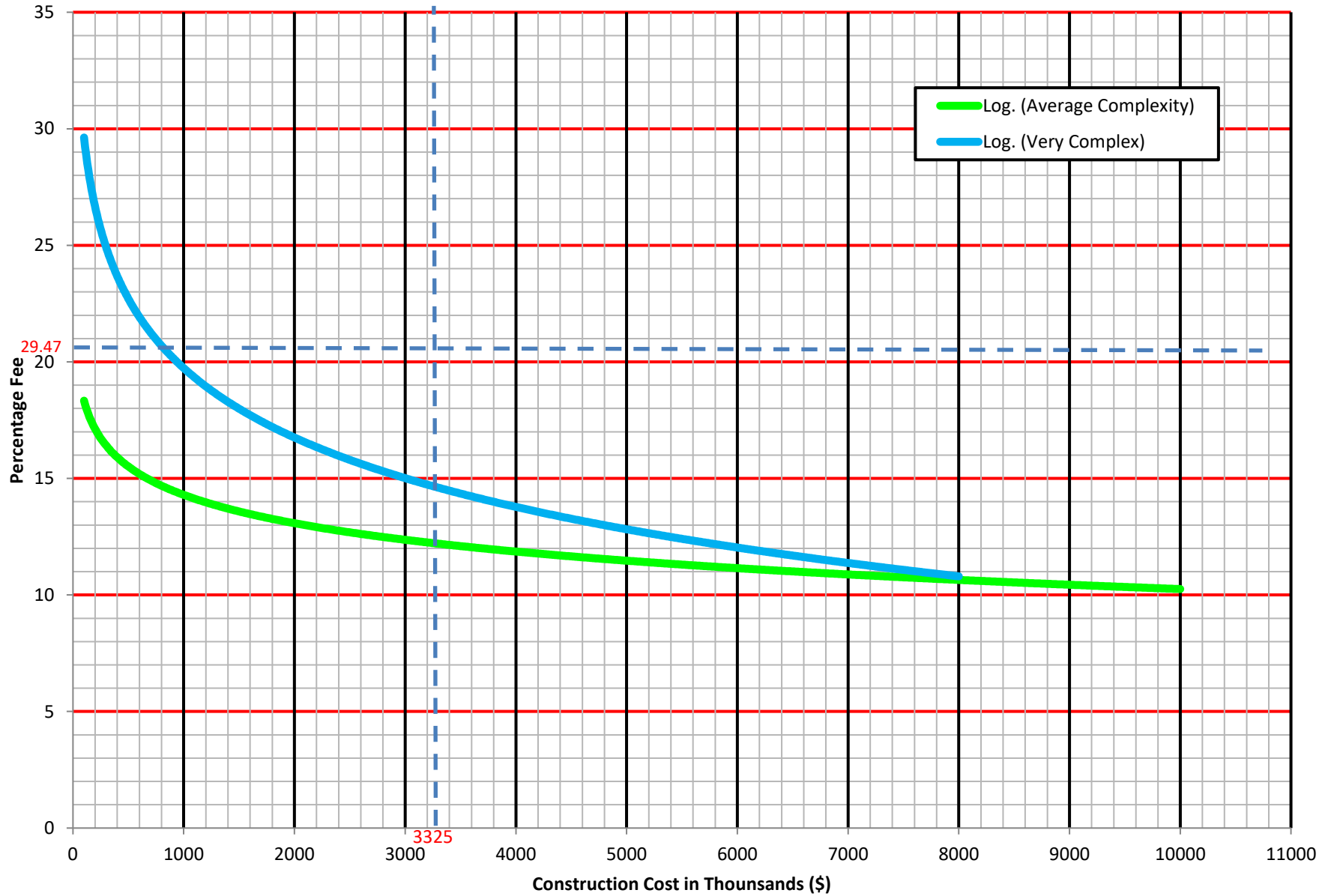
Graph 2. Design Fee vs. Construction Costs for Modifications

Grandview Doolin PSD
2022W-2142



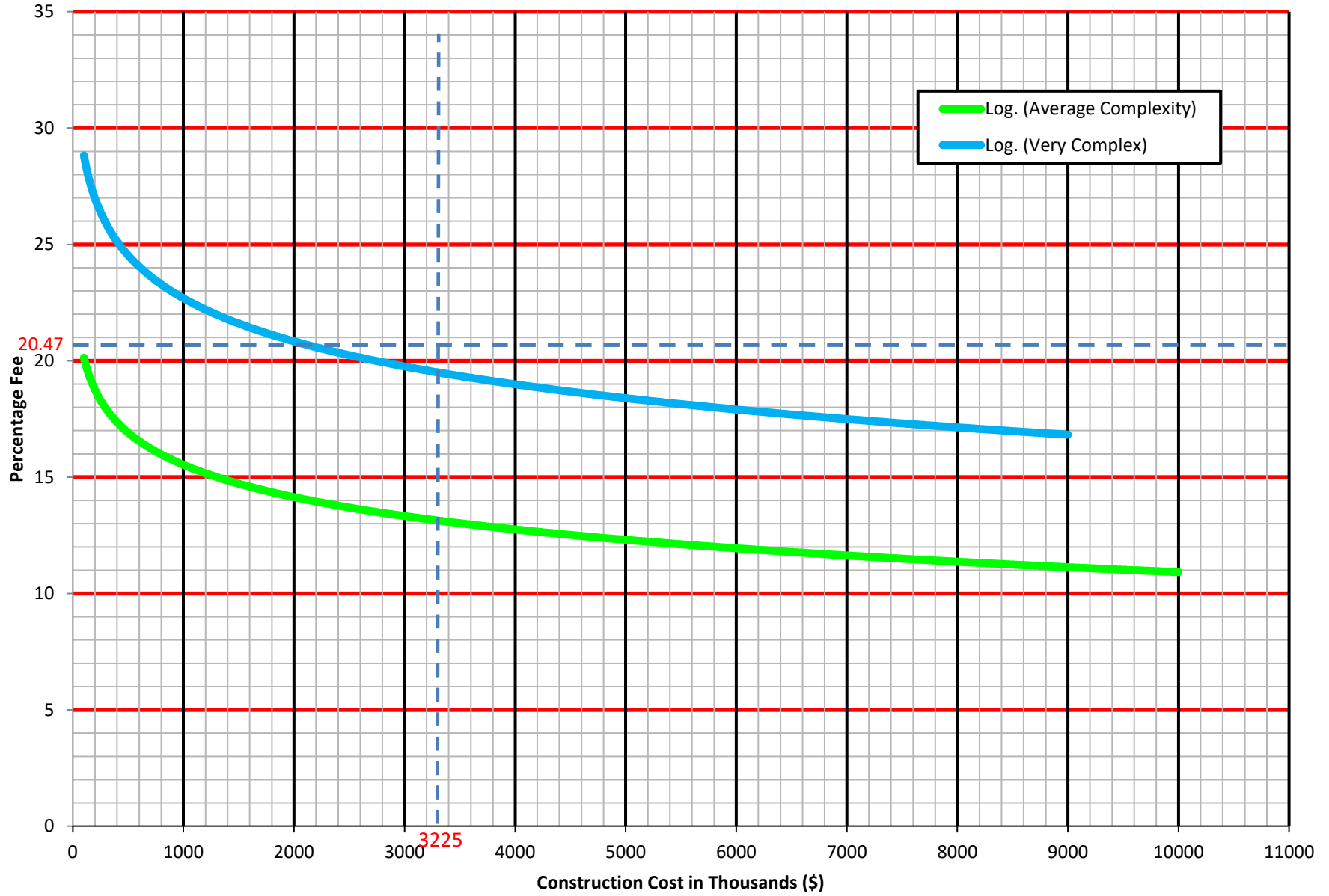
Graph 3. Total Fee vs. Construction Cost for New Construction

Grandview Doolin PSD
2022W-2142



Graph 4. Total Fee vs. Construction Cost for Modifications

Grandview Doolin PSD
2022W-2142






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: Stephanie D Hickerson, P. E.
Office of Environmental Health Services
Bureau for Public Health

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

DATE: May 17, 2022

SUBJECT: Infrastructure Preliminary Application for the Grandview Doolin PSD
(2022W-2142) : Woodlands Rd Critical Needs Extension in Wetzel County, WV.

We have reviewed the above referenced project application information. Grandview Doolin PSD discharges its backwash to its site, which is covered under WV/NPDES Site Registration No. WVG640107, which expires July 18, 2023.

If the Grandview Doolin 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 Grandview Doolin 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 sand blasting. If it is determined that the paint is not hazardous, the Grandview Doolin 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



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: Stephanie Hickerson, P.E., Manager
Infrastructure and Capacity Development

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

Date: June 14, 2022

Subject: Grandview Doolin PSD – Woodsland Road CN Ext.
IJDC Preliminary Application: 2022W-2142

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:	Grandview Doolin Public Service District	IJDC Number:	2022W-2142
Project Description:	Woodlands Road Critical Needs Extension Project	Review by:	Bob Smith, M.B.A.,P.E
County:	Wetzel	Date:	May 27, 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				N/A.

<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).				DWTRF Priority Ranking Public Health Score Public Health Score is: 30 Compliance Score is: 10
12.	For new projects or projects with revised scope, provide DWTRF Priority Ranking Compliance Score (indicate score in the comments section with explanation).				Affordability Score is: 15 Total Points: 55



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MEMORANDUM

TO: Stephanie Hickerson, P.E., Manager
Infrastructure and Capacity Development Unit

FROM: Valerie A. Plance, ERS III
Capacity Development Program

DATE: June 15, 2022

RE: Grandview Doolin PSD (PWSID#3305206)
IJDC Application No.: 2022W-2142
Wetzel County

The Grandview Doolin 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. There is no approved asset management plan on file with the BPH.

The question about having had a capacity development assessment (CDA) within the last 5 years was marked as no. On August 4, 2004, a Capacity and Development Assessment was performed at the Grandview Doolin PSD Water System.

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 ETT system shows a score of 0 for the Grandview Doolin PSD on the January 2022 report.

Based upon information from the Municipal Bond Commission, as of May 2022, the Grandview Doolin PSD is current on their water reserve funding requirements.

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

VAP