

CHARLES TOWN UTILITY BOARD AGENDA

FRIDAY, JULY 29, 2022

Special Meeting

**661 South George Street
Charles Town, WV 25414**

4:00 PM

CALL TO ORDER

1. APPROVAL OF MINUTES

- a. Approval of July 13, 2022 Regular Meeting Minutes
[2022.07.13 UB Minutes.pdf](#)

2. PUBLIC COMMENT

This portion of the agenda is designed for members of the general public to share thoughts on items of interest in the community. By law, Board members may ask clarifying questions or discuss procedural matters but are not permitted to discuss the policy merits of any issue unless it is scheduled for discussion.

The public is invited to attend this meeting in person or via webcast (www.ctubwv.com- Board Meetings - Meeting Agendas and Minutes 2022) or by accessing the following zoom link:

<https://us06web.zoom.us/j/82175485736?pwd=S2gwYnhiaTlhYUdDQVBNR1BnVHBwdz09>

Meeting ID: 821 7548 5736

Passcode: 996686

+1 301 715 8592 US

3. UNFINISHED BUSINESS

- a. PSC Case Updates - Possible Executive Session Under: WV State Code Section §6-9A-4(b)(9) - To consider matters involving or affecting the purchase, sale or lease of property, advance construction planning, the investment of public funds or other matters involving commercial competition, which if made public, might adversely affect the financial or other interest of the state or any political subdivision and involving contract matters.
 - i. WV PSC Case No. 21-0260-S-DU Shenandoah Junction Public Sewer
[Shenandoah Junction Sewer Evaluation.pdf](#)
 - ii. WV PSC Case No. 21-0818-S-DU Cave Road Utilities, LLC
[Cave Road Sewer Evaluation.pdf](#)
 - iii. WV PSC Case No. 22-0370-S-PC-PW Cave Road Utilities, LLC/Jefferson Utilities, Inc. Transfer of Sewer Utility

- iv. WV PSC Case No. 22-0369-W-PC-PW Cave Road Utilities, LLC/Jefferson Utilities, Inc. Transfer of Water Utility
- v. WV PSC Case No. 22-0574-S-W-P Ranson General Investigation Request
 - [JUI Response.pdf](#)
 - [JUI Letter.pdf](#)
- b. Motorized Portable Camera Purchase
 - [Mobilized Camera Info - Rev.pdf](#)

5. **MANAGER REPORTS**

- a. Utility Manager Report
- b. Chairman Report

6. **APPROVAL OF BILLS**

- a. July 29, 2022
 - [2022.07.29 Board Report.pdf](#)

7. **INFORMATION ONLY**

- a. Next Meeting - August 10, 2022 at 4:00 P.M.

8. **ADJOURNMENT**

July 13, 2022

The Charles Town Utility Board held a regular meeting on July 13, 2022 at 4:00 P.M. Members of the Board present were Bob Trainor, Duke Pierson, Tommy Stocks, Jacquelyn Milliron and Jeff Whitten. Also present were Kristen Stolipher, April Shultz, Ashley Stottlemeyer and Hoy Shingleton. The Chairman called for changes or corrections to the June 15, 2022 special meeting minutes. Jacquelyn and Jeff suggested changes and with no objections, the Board unanimously approved the minutes as amended. The Chairman called for changes or corrections to the June 22, 2022 regular meeting minutes. Jacquelyn suggested changes and with no objections, the Board unanimously approved the minutes as amended. The Chairman next called for changes or corrections to the June 30, 2022 special meeting minutes. With no objections, the Board unanimously approved the minutes as presented. The Board received public comment from Elizabeth Ricketts.

Next, the Board discussed the Lakeland Place Alternate Mainline Extension Agreement. Kristen presented the revised draft after incorporating the Board's comments from the last meeting. Changes included the developer reimbursement for the pump station. CTUB will purchase the land on which the pump station will be located by reducing the developer contribution by \$110,000.00 from the \$300,000.00 developer share. Kristen also mentioned an error with Exhibit D which will be replaced with the Board approved RK&K report dated June 15, 2021 referenced in the agreement. The Board provided discussions on the agreement and suggested additional revisions. Motion by Tommy, second by Duke, the Board approved 3-1 the draft Lakeland Place Alternate Mainline Extension Agreement with the amendments as stated. Jacquelyn opposed the motion due to an appraisal not being done on the land parcel.

The Board next discussed a Motorized Portable Camera Purchase. Kristen provided information from three vendors on purchasing a mobile motorized camera to perform more thorough evaluations of the system. The quotes ranged from \$53,000.00 to \$80,000.00. The Board provided discussion on the purchase. Kristen mentioned it would be paid for out of operating cash or the renewal and replacement funds. The Board requested more information on the warranty of the product and the budget options to fund. Motion by Jacquelyn, second by Jeff, the Board unanimously approved tabling the motorized portable camera purchase until next meeting.

The Chairman next opened the floor for Discussion on the July 27, 2022 CTUB Board Meeting. Kristen mentioned she will be out of town for the July 27th board meeting and asked the Board to consider rescheduling. The Board rescheduled the meeting to Friday, July 29th at 4:00 P.M. Next, the Board had a discussion on the Utility Board meeting time. Tommy suggested moving the time of the meeting back to the morning, as it had been in the past. After much discussion, motion by Duke and second by Jeff, the Board unanimously approved keeping the meeting time at 4:00 P.M.

The Board next discussed Private Water and Sewer Service Lines. Kristen provided the discussion relates to various topics, gaining direction from the Board to establish policies to address the issues while abiding by the City's Codified Ordinances and PSC rules. The Board discussed relocation of water meters, sewer service laterals across neighboring properties, and illegal connections to CTUB lines. Kristen expressed those written policies need to be drafted to establish what the responsibility is of CTUB and the establishment owner. She reviewed multiple scenarios relating to these issues. Jeff mentioned his first-hand experience with the issues of service laterals crossing neighboring properties. Kristen will draft policies and bring back to the Board at a future meeting.

The Utility Manager Report was next addressed. Kristen briefed the Board on this month's sewer and water efforts including attending the WV Rural Water Conference at Snowshoe next month, hydrant flushing, continued grant efforts at the Water Plant, and the first reading of the BAN

ordinance that passed at City Council on July 5th. She also attached the Preliminary Engineering Report drafted by Gwin Dobson that was required for the IJDC grant application for the Renewal and Replacement project. The Board provided discussions.

The Chairman provided the second reading of the BAN ordinance will be held on July 18th and mentioned the workshop which took place prior to the City Council meeting on July 5th with CTUB, Jefferson Utilities, Inc and Cave Road Utilities, LLC regarding the distressed utilities. He also provided that since the WV PSC consolidated the three distressed utilities cases, that City Council would not have to provide a letter relating to this matter. The Board next discussed the Approval of Bills. Motion by Tommy, second by Duke, the Board unanimously approved the payment of bills.

Next, motion by Tommy, second by Duke, the Board unanimously approved convening into Executive Session at 6:30 P.M. to discuss the following items:

- Distressed Utility Updates - Possible Executive Session Under: WV State Code Section §6-9A-4(b)(9) - To consider matters involving or affecting the purchase, sale or lease of property, advance construction planning, the investment of public funds or other matters involving commercial competition, which if made public, might adversely affect the financial or other interest of the state or any political subdivision and involving contract matters.
 - WV PSC Case No. 21-0260-S-DU Shenandoah Junction Public Sewer 1
 - WV PSC Case No. 21-0818-S-DU Cave Road Utilities, LLC
- WV PSC Case No. 22-0574-S-W-P Ranson General Investigation Request - Possible Executive Session Under: WV State Code Section §6-9A-4(b)(9) - To consider matters involving or affecting the purchase, sale or lease of property, advance construction planning, the investment of public funds or other matters involving commercial competition, which if made public, might adversely affect the financial or other interest of the state or any political subdivision and involving contract matters.

The Board declared executive session over at 7:18 P.M. No action taken by the Board. With no objections, the Board adjourned the meeting at 7:20 P.M. The July 29th special meeting will be held beginning at 4:00 P.M.

Chairman

Secretary

CHARLES TOWN UTILITY BOARD

CITY OF CHARLES TOWN

JEFFERSON COUNTY, WEST VIRGINIA

SHENANDOAH JUNCTION PUBLIC SEWER EVALUATION

JULY 2022



Introduction

The Charles Town Utility Board (CTUB) is currently evaluating the acquisition of the SJPS system. GD&F attended a meeting with SJPS, the PSC and CTUB on May 20, 2021, which featured a site visit of the SJPS Wastewater Treatment Facility. GD&F has been requested to briefly summarize the existing SJPS system and evaluate CTUB's option to acquire it.

The SJPS system is over 45 years old and serves about 187 customers. They are currently under a DEP Consent Order due to exceeding the daily maximum flow and non-compliance issues pertaining to several NPDES discharge water quality related violations. A case is pending at the WV PSC to determine if SJPS should be considered a distressed utility.

Existing SJPS Treatment Facility

The existing SJPS Treatment Facility is in poor condition and has reached the end of its useful life. The site is congested, is within very close proximity to housing, the infrastructure is deteriorated and the treatment process is inadequate. The aeration system is undersized, the filter media has reached its useful life, the disinfection system is outdated and ineffective and the plant lacks continuous flow metering. The treatment plant also lacks a SCADA system, alarms and an emergency generator. The entire treatment facility would need to be replaced if onsite treatment is considered. The existing Wastewater Treatment Facility has little to no salvage value. It would cost more to decommission the plant than the facility would be worth.

The total estimated cost of a new treatment plant consisting of coarse screening, grit removal, SBR basins, UV disinfection and associated blowers, pumps, pumping, chemical feed, SCADA, instrumentation, telemetry, emergency power, site work, electrical work, etc., is \$3-4 million. Given the close proximity to CTUB's existing sewer system, it is not feasible to upgrade the existing SJPS wastewater treatment facility.

Existing SJPS Collection and Conveyance System

SJPS reported that most of the collection system is comprised of 6" PVC gravity pipe, 30-35 reinforced concrete manholes and four (4) pump stations with associated 3"-6" PVC forcemains. There are over two (2) miles of collection system piping; however, no detailed system map currently exists. The pump stations were installed from 1990 to 1996 and some of the pumps and piping are still original. The collection system has been extended and expanded over the years by developers. There are approximately 100 homeowners that have on-lot septic systems, some of which have reportedly failed. There are no records kept of potential I&I issues; however, I&I should be considered a concern given the flow exceedances. No recent major upgrades or improvements have reportedly been performed.

All four (4) pump stations need substantial upgrades. The pumps, slide rails, check valves and control panels all need replaced. A telemetry alarm and notification system should be installed along with manual transfer switches and consideration should be given to permanent generators. At a minimum, a readily available portable generator is necessary. Pump station site security measures should be implemented and potential odor control systems should be considered. Smoke testing should be performed to help determine the extent of I&I and to identify any illegal connections. The gravity lines and forcemains should also be videoed to evaluate their condition.

New Pump Station and Forcemain to CTUB System

The existing SJPS Treatment Facility is located approximately 1,000 feet away from an existing CTUB 6" diameter forcemain. Per a previous report completed by RK&K, the existing CTUB system currently has adequate capacity to handle this additional SJPS flow. A new duplex pump station with wet well and building housing valves, meter, controls and telemetry, along with an emergency generator and related sitework could be constructed at the existing SJPS Treatment Facility site. A new forcemain could also be constructed along the railroad tracks to the existing CTUB forcemain. GD&F estimates that it would cost about \$750,000 in construction costs for a new pump station and forcemain to CTUB, including decommissioning the existing SJPS Treatment Facility (estimated to be \$450,000).

Recommendation to CTUB

The existing SJPS Treatment Facility should be decommissioned and demolished. The total cost required to perform plant upgrades along with the associated operational and maintenance costs are not feasible.

The existing condition of the SJPS Collection and Conveyance System is largely unknown. The pump stations should be upgraded in terms of the buildings, pumps, piping, controls, electrical, etc. It appears that the I&I is excessive and needs to be addressed. Flow meters should be added at each pump station to trend and record flows. If CTUB were to proceed with a system takeover, CTUB would be responsible for evaluating and correcting the I&I issues. Also, the entire SJPS system should be videoed, mapped in GIS and hydraulically modeled. The most recent cost estimate for this project is attached. Please note that this estimate is preliminary and is subject to revisions and updating for a more detailed study.

SJPS Pump Station and Forcemain Cost Estimate
PRELIMINARY PROBABLE CONSTRUCTION COST ESTIMATE (7-22-2022)

DESCRIPTION	QTY	UNIT	MATERIAL UNIT PRICE	LABOR / EQUIP. UNIT PRICE	O&P UNIT PRICE	MATERIAL COST	LABOR / EQUIP. COST	O&P COST	TOTAL PRICE
<u>Division 1 - General Conditions</u>									
Mobilization/Demobilization	1	LS	\$30,000.00	\$0.00	\$0.00	\$30,000.00	\$0.00	\$0.00	\$30,000.00
Bonds and Insurance	1	LS	\$15,000.00	\$0.00	\$0.00	\$15,000.00	\$0.00	\$0.00	\$15,000.00
Submittals and O&M Manuals	1	LS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
Field Services of Manufacturers' Reps	1	LS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
I&I Study	1	LS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
General Conditions/PM	1	LS	\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00
Division 1 General Total									\$70,000.00
<u>Division 2 - Site Work</u>									
<u>Erosion and Sedimentation Control</u>	1	LS	\$1,500.00	\$500.00	\$300.00	\$1,500.00	\$500.00	\$300.00	\$2,300.00
<u>Seed/Mulch/Topsoil</u>	1	Acre	\$800.00	\$500.00	\$195.00	\$800.00	\$500.00	\$195.00	\$1,495.00
<u>Stabilized Areas/Paving</u>									
Crushed Stone Entrance Road	60	SY	\$35.00	\$15.00	\$7.50	\$2,100.00	\$900.00	\$450.00	\$3,450.00
Geotextile Material	60	SY	\$2.50	\$1.50	\$0.60	\$150.00	\$90.00	\$36.00	\$276.00
Stone Subbase Below Slab	35	SY	\$35.00	\$25.00	\$9.00	\$1,225.00	\$875.00	\$315.00	\$2,415.00
<u>Site Excavation Earthwork</u>									
Excavation - Pump Station Wet Well/Vault	125	CY	\$0.00	\$60.00	\$9.00	\$0.00	\$7,500.00	\$1,125.00	\$8,625.00
Structural Backfill	50	CY	\$0.00	\$35.00	\$5.25	\$0.00	\$1,750.00	\$262.50	\$2,012.50
Misc. Site Grading	50	CY	\$35.00	\$10.50	\$6.83	\$1,750.00	\$525.00	\$341.25	\$2,616.25
<u>Misc.</u>									
8" High Chain Link Fence	160	LF	\$50.00	\$20.00	\$10.50	\$8,000.00	\$3,200.00	\$1,680.00	\$12,880.00
Landscaping	1	LS	\$2,000.00	\$2,000.00	\$600.00	\$2,000.00	\$2,000.00	\$600.00	\$4,600.00
New Manhole	1	LS	\$3,000.00	\$2,000.00	\$750.00	\$3,000.00	\$2,000.00	\$750.00	\$5,750.00
<u>Site Piping</u>									
8" Diameter Gravity Influent Pipe to Wet Well	200	LF	\$80.00	\$35.00	\$17.25	\$16,000.00	\$7,000.00	\$3,450.00	\$26,450.00
4" Diameter HDPE Forcemain to CTUB	1000	LF	\$70.00	\$30.00	\$15.00	\$70,000.00	\$30,000.00	\$15,000.00	\$115,000.00
Sewer Tie-in	1	LS	\$2,500.00	\$2,500.00	\$750.00	\$2,500.00	\$2,500.00	\$750.00	\$5,750.00
Division 2 Total:									\$194,000.00
<u>Division 3 - Concrete Wet Well and Vault</u>									
Mat Concrete, Rein. and Placement	10	CY	\$200.00	\$900.00	\$165.00	\$2,000.00	\$9,000.00	\$1,650.00	\$12,650.00
Walls/Slab Concrete, Rein. and Placement	25	CY	\$200.00	\$1,100.00	\$195.00	\$5,000.00	\$27,500.00	\$4,875.00	\$37,375.00
Slab Control Joint	125	LF	\$1.50	\$2.50	\$0.60	\$187.50	\$312.50	\$75.00	\$575.00
Division 3 Total:									\$51,000.00

SJPS Pump Station and Forcemain Cost Estimate
PRELIMINARY PROBABLE CONSTRUCTION COST ESTIMATE (7-22-2022)

DESCRIPTION	QTY	UNIT	MATERIAL UNIT PRICE	LABOR / EQUIP. UNIT PRICE	O&P UNIT PRICE	MATERIAL COST	LABOR / EQUIP. COST	O&P COST	TOTAL PRICE
<u>Division 5 - Metals</u>									
Aluminum Gutters and Downspouts	10	LF	\$40.00	\$15.00	\$8.25	\$400.00	\$150.00	\$82.50	\$632.50
Standing Seam Metal Roofing	25	SF	\$25.00	\$12.00	\$5.55	\$625.00	\$300.00	\$138.75	\$1,063.75
Pump Lifting Hoist	1	EA	\$1,500.00	\$150.00	\$247.50	\$1,500.00	\$150.00	\$247.50	\$1,897.50
Pipe Supports	1	LS	\$3,000.00	\$500.00	\$525.00	\$3,000.00	\$500.00	\$525.00	\$4,025.00
Aluminum Ladders	1	EA	\$1,200.00	\$250.00	\$217.50	\$1,200.00	\$250.00	\$217.50	\$1,667.50
Aluminum Hatches	1	EA	\$1,250.00	\$500.00	\$262.50	\$1,250.00	\$500.00	\$262.50	\$2,012.50
Division 5 Total:									\$11,000.00
<u>Division 6 - Wood and Plastics</u>									
Treated Wood Posts and Trusses	1	LS	\$6,000.00	\$2,000.00	\$1,200.00	\$6,000.00	\$2,000.00	\$1,200.00	\$9,200.00
Division 6 Total:									\$9,000.00
<u>Division 9 - Finishes</u>									
Painting/Labeling	1	LS	\$1,500.00	\$1,500.00	\$300.00	\$1,500.00	\$1,500.00	\$300.00	\$3,300.00
Division 9 Total:									\$3,000.00
<u>Division 11 - Equipment</u>									
Main PS Pumps, Rails and Chains	2	EA	\$15,000.00	\$1,000.00	\$1,600.00	\$30,000	\$2,000	\$3,200.00	\$35,200.00
Division 11 Total:									\$35,000.00
<u>Division 13 - Instrumentation</u>									
Main PS Pump Control Panel	1	EA	25,000.00	\$5,000.00	\$3,000.00	\$25,000	\$5,000	\$3,000.00	\$33,000.00
4" Magnetic Flow Meter	5	EA	2,700.00	\$500.00	\$320.00	\$13,500	\$2,500	\$1,600.00	\$17,600.00
Division 13 Total:									\$51,000.00
<u>Division 15 - Mechanical Piping</u>									
New 4" DI Piping	1	LS	\$15,000.00	\$3,000.00	\$1,800.00	\$15,000.00	\$3,000.00	\$1,800.00	\$19,800.00
New 4" DI Fittings	1	LS	\$25,000.00	\$3,000.00	\$2,800.00	\$25,000.00	\$3,000.00	\$2,800.00	\$30,800.00
4" Check Valves	10	EA	\$2,000.00	\$1,000.00	\$300.00	\$20,000	\$10,000	\$3,000.00	\$33,000.00
4" Plug Valves	10	EA	\$1,500.00	\$1,000.00	\$250.00	\$15,000	\$10,000	\$2,500.00	\$27,500.00
Division 15 Total:									\$111,000.00
<u>Division 16 - Electrical</u>									
New PS Generator and Auto Transfer Switch	1	LS	\$30,000.00	\$4,000.00	\$3,400.00	\$30,000.00	\$4,000.00	\$3,400.00	\$37,400.00
New Pump VFDs	2	EA	\$6,500.00	\$3,000.00	\$950.00	\$13,000.00	\$6,000.00	\$1,900.00	\$20,900.00
Transformer	1	EA	\$1,500.00	\$2,500.00	\$400.00	\$1,500.00	\$2,500.00	\$400.00	\$4,400.00
Primary Service Relocation	1	LS	\$15,000.00	\$5,000.00	\$2,000.00	\$15,000.00	\$5,000.00	\$2,000.00	\$22,000.00
Conduit, Fittings and Supports	1	LS	\$25,000.00	\$1,000.00	\$2,600.00	\$25,000.00	\$1,000.00	\$2,600.00	\$28,600.00
Wire/Cable	1	LS	\$15,000.00	\$2,000.00	\$1,700.00	\$15,000.00	\$2,000.00	\$1,700.00	\$18,700.00
Lights, Boxes, Devices, Covers	1	LS	\$3,000.00	\$1,500.00	\$450.00	\$3,000.00	\$1,500.00	\$450.00	\$4,950.00
Site Work/Ductbanks	1	LS	\$12,000.00	\$2,500.00	\$1,450.00	\$12,000.00	\$2,500.00	\$1,450.00	\$15,950.00
Manual Transfer Switch	4	EA	\$3,000.00	\$500.00	\$350.00	\$12,000.00	\$2,000.00	\$1,400.00	\$15,400.00
Tow Behind Generator	1	EA	\$25,000.00	\$0.00	\$2,500.00	\$25,000.00	\$0.00	\$2,500.00	\$27,500.00
Panels	1	LS	\$3,500.00	\$250.00	\$375.00	\$3,500.00	\$250.00	\$375.00	\$4,125.00
Telemetry	1	LS	\$7,500.00	\$200.00	\$770.00	\$7,500.00	\$200.00	\$770.00	\$8,470.00
Instrumentation	1	LS	\$5,000.00	\$250.00	\$525.00	\$5,000.00	\$250.00	\$525.00	\$5,775.00
Division 16 Total:									\$214,000.00

TOTAL CONSTRUCTION COST ESTIMATE: **\$749,000**
USE: **\$750,000**

SOFT COSTS

Contingency (5%)	JOB	\$37,500.00
Eng. Design, Bidding, Permitting, Inspect (12%)	JOB	\$90,000.00
<u>Administrative (2%)</u>	JOB	\$15,000.00

TOTAL SOFT COST ESTIMATE: **\$142,500**
USE: **\$150,000**

TOTAL PROJECT COST ESTIMATE **\$900,000**

Charles Town Utility Board
Shenandoah Junction Public Sewer
 Sewer Service Options
 Test Year Ended December 31, 2021 (SJPS year end)

	SJPS		Second Draft
	Bulk Customer Billed by Flow Meter Readings	Acquisition Of SJPS System	
Number of customers per WVPSC report	187	187	
Monthly rate:			
Average customer usage (CTUB average (1,000 gallons)) based on water consumption	3.30		
Conversion based on CTUB inflow and infiltration rate of 16%	84%		
Average customer usage based on flow meter readings	3.93		
Total monthly usage based on flow meter readings	734.64		
CTUB 3rd tier rate per 1,000 gallons for former Jefferson County PSD territory	\$ 13.98		
CTUB adjustment for inflow and infiltration (16%) to convert billings based on water usage to flow meter readings	84%		
Estimated Contract Rate to SJPS (per 1,000 gallons) /monthly bill under current tariff (3,300 gallons usage average)	\$ 11.74	\$ 49.30	
Estimated monthly revenue	\$ 8,627.06	\$ 9,219.10	
Months in Year	12	12	
Estimated annual revenue	\$ 103,524.70	\$ 110,629.20	
Estimated operation and maintenance expense based on Roxul agreement (57%)	59,009.08	63,058.64	
Payment due State under Roxul Agreement (43%)	44,515.62	47,570.56	
Net cash flow from operations	\$ -	\$ -	
Estimated capital costs:			
System	\$ 100,000.00	\$ 900,000.00	
Decommission of package plant	-	-	
Total capital costs to CTUB	\$ 100,000.00	\$ 900,000.00	
Funding of capital costs:			
	Outflow(inflow)		Coverage
	1st Year Only	30 Year Term	% Change
Capacity improvement fees (One time fee to SJPS)	\$ (600,000.00)	\$ -	
Potential bond issue (\$950,000) 30 years, 4.75%	-	60,000.00	
Positive/(negative annual cash flows for capital costs)	\$ (600,000.00)	60,000.00	-2.345%
Beginning debt service		3,436,799.00	136.702%
Ending coverage after SJPS purchase		\$ 3,496,799.00	134.357%
Check value			2.346%

Assumptions:

Assumed financing consolidated with another bond issue/note
 187 customers per WVPSC report
 Former Jefferson County PSD territory/subject to Roxul agreement
 Assumed \$ 50,000 of transaction costs
 Beginning consolidated debt service and coverage including \$ 4,681,000 Collection System Project borrowing and \$ 9,362,000 Renewal and Replacement borrowing
 Estimated ending debt service coverage does not include Cave Road project

Assessment:

Project is feasible while maintaining 130% coverage

CHARLES TOWN UTILITY BOARD

CITY OF CHARLES TOWN

JEFFERSON COUNTY, WEST VIRGINIA

CAVE ROAD PUBLIC SEWER EVALUATION

JULY 2022



Introduction

The Charles Town Utility Board (CTUB) is currently evaluating the acquisition of the Cave Road Utilities (CRU) sewer system. GD&F attended a meeting with CRU, the PSC and CTUB on April 5, 2022, which featured a site visit of the CRU Wastewater Treatment Facility. GD&F has been requested to briefly summarize the existing CRU system and evaluate CTUB's option to acquire it.

The CRU system is reported to be approximately 45 years old and serves 48 homes. To the best of our knowledge, the system is currently in compliance with all discharge requirements. A case is pending at the WV PSC to determine if CRU should be considered a distressed utility.

Existing CRU Wastewater Treatment Facility

The existing CRU Wastewater Treatment Facility has been maintained adequately, but is in poor condition and has been operated beyond the end of its useful life. The infrastructure is deteriorated and the treatment process is inadequate. Although the system appears to be adequately sized, it lacks a SCADA System and the pumps/piping necessary to digest solids effectively without excessive manpower commitment. The entire treatment facility would need to be replaced if onsite treatment is considered. The existing Wastewater Treatment Facility has some salvage value, but not enough to offset the cost to decommission the plant.

The total estimated cost of a new treatment plant consisting of coarse screening, grit removal, SBR basins, UV disinfection and associated blowers, pumps, pumping, chemical feed, SCADA, instrumentation, telemetry, emergency power, site work, electrical work, etc., is \$1,000,000. Additionally, this plant would require increased O&M Costs of approximately \$25,000 yearly without considering manpower. Given the relatively close proximity to CTUB's existing sewer system, it is not feasible to upgrade the existing CRU Wastewater Treatment Facility.

Existing CRU Collection and Conveyance System

CRU reported that most of the collection system is comprised of PVC gravity pipe and concrete manholes. Most of the homes already have cleanouts installed; however, several homes did not. The collection system serves the entire Cave Road Development, but no detailed system map currently exists. There is no effluent flow meter for the treatment system, as such there is no way to compare plant treatment vs water usage to determine potential I&I issues. A cursory inspection of the collection system was performed during the site visit and it appeared to be in good condition. No recent major upgrades or improvements have reportedly been performed.

New Pump Station and Forcemain to CTUB System

The existing CRU Treatment Facility is located approximately 6,000 feet away from existing CTUB pump stations. The system serves a very small number of homes and has a compact collection system, as a result, the total inflow expected from this system is insignificant to the overall system capacity. However, an evaluation should be performed to ensure the nearest pump station has available capacity to handle the additional load. A new duplex pump station with wet well and building housing valves, meter, controls and telemetry, along with an emergency generator and related sitework could be constructed at the existing CRU Wastewater Treatment Facility site. A new forcemain would be required and could be construction along Route 36 and under WV Route 340 to the CTUB Pump Station on

Augustine Avenue (approximately 6,000 feet). GD&F estimates that it would cost about \$1,460,000 in construction costs for a new pump station and forcemain to CTUB, including demolishing the existing CRU Wastewater Treatment Facility (estimated to be \$250,000). The existing CRU Treatment Facility would also need decommissioned and demolished, including all required permitting and legal fees.

Recommendation to CTUB

The existing CRU Wastewater Treatment Facility should be decommissioned and demolished. The total cost required to perform plant upgrades along with the associated operational and maintenance costs are not feasible.

The existing condition of the CRU Collection and Conveyance System is largely unknown. If CTUB were to proceed with a system takeover, CTUB would be responsible for evaluating and correcting the I&I issues. Also, the entire CRU system should be videoed, mapped in GIS and hydraulically modeled. The most recent cost estimate for this project is attached. Please note that this estimate is preliminary and is subject to revisions and updating for a more detailed study.

CRU Pump Station and Forcemain Cost Estimate
PRELIMINARY PROBABLE CONSTRUCTION COST ESTIMATE (7-22-2022)

DESCRIPTION	QTY	UNIT	MATERIAL UNIT PRICE	LABOR / EQUIP. UNIT PRICE	O&P UNIT PRICE	MATERIAL COST	LABOR / EQUIP. COST	O&P COST	TOTAL PRICE
<u>Division 1 - General Conditions</u>									
Mobilization/Demobilization	1	LS	\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$25,000.00
Bonds and Insurance	1	LS	\$15,000.00	\$0.00	\$0.00	\$15,000.00	\$0.00	\$0.00	\$15,000.00
Submittals and O&M Manuals	1	LS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
Field Services of Manufacturers' Reps	1	LS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
I&I Study	1	LS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
General Conditions/PM	1	LS	\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00
Division 1 General Total									\$65,000.00
<u>Division 2 - Site Work</u>									
<u>Erosion and Sedimentation Control</u>	1	LS	\$7,000.00	\$500.00	\$1,125.00	\$7,000.00	\$500.00	\$1,125.00	\$8,625.00
<u>Seed/Mulch/Topsoil</u>	2	Acre	\$800.00	\$500.00	\$195.00	\$1,600.00	\$1,000.00	\$390.00	\$2,990.00
<u>Stabilized Areas/Paving</u>									
Crushed Stone Entrance Road	60	SY	\$35.00	\$15.00	\$7.50	\$2,100.00	\$900.00	\$450.00	\$3,450.00
Geotextile Material	60	SY	\$2.50	\$1.50	\$0.60	\$150.00	\$90.00	\$36.00	\$276.00
Stone Subbase Below Slab	35	SY	\$35.00	\$25.00	\$9.00	\$1,225.00	\$875.00	\$315.00	\$2,415.00
<u>Site Excavation Earthwork</u>									
Excavation - Pump Station Wet Well	125	CY	\$0.00	\$60.00	\$9.00	\$0.00	\$7,500.00	\$1,125.00	\$8,625.00
Structural Backfill	50	CY	\$0.00	\$35.00	\$5.25	\$0.00	\$1,750.00	\$262.50	\$2,012.50
Misc. Site Grading	50	CY	\$35.00	\$10.50	\$6.83	\$1,750.00	\$525.00	\$341.25	\$2,616.25
<u>Misc.</u>									
8" High Chain Link Fence	60	LF	\$50.00	\$20.00	\$10.50	\$3,000.00	\$1,200.00	\$630.00	\$4,830.00
Landscaping	1	LS	\$2,000.00	\$2,000.00	\$600.00	\$2,000.00	\$2,000.00	\$600.00	\$4,600.00
New Manhole	1	LS	\$3,000.00	\$2,000.00	\$750.00	\$3,000.00	\$2,000.00	\$750.00	\$5,750.00
<u>Site Piping</u>									
6" Diameter Gravity Influent Pipe to Wet Well	50	LF	\$80.00	\$35.00	\$17.25	\$4,000.00	\$1,750.00	\$862.50	\$6,612.50
4" Diameter HDPE Forcemain to CTUB	6000	LF	\$8.00	\$30.00	\$5.70	\$48,000.00	\$180,000.00	\$34,200.00	\$262,200.00
8" Diameter HDPE Forcemain to CTUB	6000	LF	\$70.00	\$30.00	\$15.00	\$420,000.00	\$180,000.00	\$90,000.00	\$690,000.00
Sewer Tie-in	1	LS	\$2,500.00	\$2,500.00	\$750.00	\$2,500.00	\$2,500.00	\$750.00	\$5,750.00
Division 2 Total:									\$1,011,000.00
<u>Division 3 - Concrete Wastewater Tanks</u>									
Mat Concrete, Rein. and Placement	10	CY	\$200.00	\$900.00	\$165.00	\$2,000.00	\$9,000.00	\$1,650.00	\$12,650.00
Walls Concrete, Rein. and Placement	25	CY	\$200.00	\$1,100.00	\$195.00	\$5,000.00	\$27,500.00	\$4,875.00	\$37,375.00
Slab Control Joint	125	LF	\$1.50	\$2.50	\$0.60	\$187.50	\$312.50	\$75.00	\$575.00
Division 3 Total:									\$51,000.00

CRU Pump Station and Forcemain Cost Estimate
PRELIMINARY PROBABLE CONSTRUCTION COST ESTIMATE (7-22-2022)

DESCRIPTION	QTY	UNIT	MATERIAL UNIT PRICE	LABOR / EQUIP. UNIT PRICE	O&P UNIT PRICE	MATERIAL COST	LABOR / EQUIP. COST	O&P COST	TOTAL PRICE
<u>Division 5 - Metals</u>									
Aluminum Gutters and Downspouts	10	LF	\$40.00	\$15.00	\$8.25	\$400.00	\$150.00	\$82.50	\$632.50
Standing Seam Metal Roofing	25	SF	\$25.00	\$12.00	\$5.55	\$625.00	\$300.00	\$138.75	\$1,063.75
Pump Lifting Hoist	1	EA	\$1,500.00	\$150.00	\$247.50	\$1,500.00	\$150.00	\$247.50	\$1,897.50
Pipe Supports	1	LS	\$3,000.00	\$500.00	\$525.00	\$3,000.00	\$500.00	\$525.00	\$4,025.00
Aluminum Ladders	1	EA	\$1,200.00	\$250.00	\$217.50	\$1,200.00	\$250.00	\$217.50	\$1,667.50
Aluminum Hatches	1	EA	\$1,250.00	\$500.00	\$262.50	\$1,250.00	\$500.00	\$262.50	\$2,012.50
Division 5 Total:									\$11,000.00
<u>Division 6 - Wood and Plastics</u>									
Treated Wood Posts & Trusses	1	LS	\$6,000.00	\$4,000.00	\$1,500.00	\$6,000.00	\$4,000.00	\$1,500.00	\$11,500.00
Division 6 Total:									\$12,000.00
<u>Division 9 - Finishes</u>									
Painting/Labeling	1	LS	\$1,500.00	\$4,500.00	\$600.00	\$1,500.00	\$4,500.00	\$600.00	\$6,600.00
Division 9 Total:									\$7,000.00
<u>Division 11 - Equipment</u>									
Main PS Pumps, Rails and Chains	2	EA	\$15,000.00	\$1,000.00	\$1,600.00	\$30,000	\$2,000	\$3,200.00	\$35,200.00
Division 11 Total:									\$35,000.00
<u>Division 13 - Instrumentation</u>									
Main PS Pump Control Panel	1	EA	15,000.00	\$5,000.00	\$2,000.00	\$15,000	\$5,000	\$2,000.00	\$22,000.00
4" Magnetic Flow Meter	1	EA	2,700.00	\$500.00	\$320.00	\$2,700	\$500	\$320.00	\$3,520.00
Division 13 Total:									\$26,000.00
<u>Division 15 - Mechanical Piping</u>									
New 4" DI Piping	1	LS	\$15,000.00	\$3,000.00	\$1,800.00	\$15,000.00	\$3,000.00	\$1,800.00	\$19,800.00
New 4" DI Fittings	1	LS	\$25,000.00	\$3,000.00	\$2,800.00	\$25,000.00	\$3,000.00	\$2,800.00	\$30,800.00
4" Check Valves	2	EA	\$2,000.00	\$1,000.00	\$300.00	\$4,000	\$2,000	\$600.00	\$6,600.00
4" Plug Valves	4	EA	\$1,500.00	\$1,000.00	\$250.00	\$6,000	\$4,000	\$1,000.00	\$11,000.00
Division 15 Total:									\$68,000.00
<u>Division 16 - Electrical</u>									
New PS Generator and Auto Transfer Switch	1	LS	\$30,000.00	\$4,000.00	\$3,400.00	\$30,000.00	\$4,000.00	\$3,400.00	\$37,400.00
New Pump VFDs	2	EA	\$6,500.00	\$3,000.00	\$950.00	\$13,000.00	\$6,000.00	\$1,900.00	\$20,900.00
Transformer	1	EA	\$1,500.00	\$2,500.00	\$400.00	\$1,500.00	\$2,500.00	\$400.00	\$4,400.00
Primary Service Relocation	1	LS	\$15,000.00	\$5,000.00	\$2,000.00	\$15,000.00	\$5,000.00	\$2,000.00	\$22,000.00
Conduit, Fittings and Supports	1	LS	\$25,000.00	\$1,000.00	\$2,600.00	\$25,000.00	\$1,000.00	\$2,600.00	\$28,600.00
Wire/Cable	1	LS	\$15,000.00	\$2,000.00	\$1,700.00	\$15,000.00	\$2,000.00	\$1,700.00	\$18,700.00
Lights, Boxes, Devices, Covers	1	LS	\$3,000.00	\$1,500.00	\$450.00	\$3,000.00	\$1,500.00	\$450.00	\$4,950.00
Site Work/Ductbanks	1	LS	\$12,000.00	\$2,500.00	\$1,450.00	\$12,000.00	\$2,500.00	\$1,450.00	\$15,950.00
Manual Transfer Switch	1	EA	\$3,000.00	\$500.00	\$350.00	\$3,000.00	\$500.00	\$350.00	\$3,850.00
Panels	1	LS	\$3,500.00	\$250.00	\$375.00	\$3,500.00	\$250.00	\$375.00	\$4,125.00
Telemetry	1	LS	\$7,500.00	\$200.00	\$770.00	\$7,500.00	\$200.00	\$770.00	\$8,470.00
Instrumentation	1	LS	\$5,000.00	\$250.00	\$525.00	\$5,000.00	\$250.00	\$525.00	\$5,775.00
Division 16 Total:									\$175,000.00

TOTAL CONSTRUCTION COST ESTIMATE: **\$1,461,000**
USE: \$1,460,000

SOFT COSTS

Contingency (5%)	JOB	\$73,000.00
Eng. Design, Bidding, Permitting, Inspect (12%)	JOB	\$175,200.00
Administrative (2%)	JOB	\$29,200.00

TOTAL SOFT COST ESTIMATE: **\$277,400**
USE: \$280,000

TOTAL PROJECT COST ESTIMATE **\$1,740,000**

Charles Town Utility Board
Cave Road Utilities, LLC
 Sewer Service Options
 Test Year Ended December 31, 2021 (Cave Road year end)

	Cave Road Bulk Customer Billed by Flow Meter Readings	Acquisition Of Cave Road System	First Draft
Number of customers per WVPSC report	N/A	47	
Monthly rate:			
Average customer usage (CTUB average (1,000 gallons)) based on water consumption	N/A		
Conversion based on CTUB inflow and infiltration rate of 16%.	N/A		
Average customer usage based on flow meter readings	N/A		
Total monthly usage based on flow meter readings	N/A		
CTUB 3rd tier rate per 1,000 gallons for former Jefferson County PSD territory	N/A		
CTUB adjustment for inflow and infiltration (16%) to convert billings based on water usage to flow meter readings	N/A		
Estimated Contract Rate to Cave Road (per 1,000 gallons) /monthly bill under current tariff (3,300 gallons usage average)	N/A	\$ 43.41	
Estimated monthly revenue	N/A	\$ 2,040.27	
Months in Year	N/A	12	
Estimated annual revenue	N/A	\$ 24,483.24	
Estimated operation and maintenance expense based on Roxul agreement (57%)	N/A	13,955.45	
Payment due State under Roxul Agreement (43%)	N/A	-	
Net cash flow from operations	N/A	\$ 10,527.79	
Estimated capital costs:			
System	N/A	\$ 1,700,000.00	
Decommission of package plant (internally performed)	N/A	-	
Total capital costs to CTUB	N/A	\$ 1,700,000.00	
Funding of capital costs:			
		Outflow(Inflow)	Coverage
	1st Year Only	30 Year Term	% Change
Capacity improvement fees (One time fee to Cave Road)	N/A	\$ -	
Potential bond issue (\$ 1,800,000) 30 years, 4.75% less NCFFO	-	105,000.00	
(Positive)/negative annual cash outflows for capital costs	\$ -	105,000.00	-4.053%
Beginning consolidated debt service and coverage		3,436,799.00	136.702%
Estimated ending debt service and coverage		\$ 3,541,799.00	132.649%
Check value			4.053%

Assumptions:

Assumed financing consolidated with another bond issue/note
 47 Customers per WVPSC report
 Charles Town/Former Ranson Territory
 Assumed \$100,000 of transaction costs
 Beginning consolidated debt service and coverage
 including \$4,681,000 Collection System Project borrowing and
 \$ 9,362,000 Renewal and Replacement borrowing
 Estimated ending debt service coverage does not include SJIPS project

Assessment:

Project is feasible while maintaining 130% debt service coverage.

Bowles Rice

Attorneys at Law

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Morgantown, WV 26501

501 Avery Street
Parkersburg, WV 26101

Southpointe Town Center
1800 Main Street, Suite 200
Canonsburg, PA 15317

480 West Jubal Early Drive, Suite 130
Winchester, VA 22601

July 15, 2022

bowlesrice.com

Karen Buckley, Executive Secretary
Public Service Commission of West Virginia
201 Brooks Street
Charleston, West Virginia 25301

HAND DELIVERY

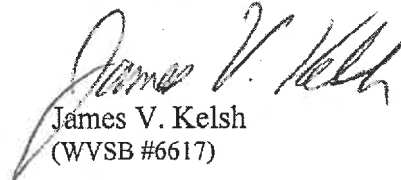
Re: City of Ranson
Case No. 22-0574-S-W-P

Dear Ms. Buckley:

Please find enclosed for filing on behalf of Jefferson Utilities, Inc., "*Objection of Jefferson Utilities, Inc. to Motion for General Investigation*" in the above-referenced matter.

Should you have any questions regarding this filing, please contact me.

Very truly yours,


James V. Kelsh
(WVSB #6617)

JVK:tlp

Enclosure

cc: Christopher Howard, Esq.
Timothy P. Stranko, Esq.
Charles Town Utility Board

13823030.1

**PUBLIC SERVICE COMMISSION
WEST VIRGINIA
CHARLESTON**

**CASE NO. 22-0574-S-W-P
City of Ranson**

**OBJECTION OF JEFFERSON UTILITIES, INC.
TO MOTION FOR GENERAL INVESTIGATION**

COMES NOW, Jefferson Utilities, Inc., (“JUI”) by counsel, to object to the Motion of the City of Ranson (“Ranson”) for a General Investigation (“Motion”), and in support thereof states the following:

The City of Ranson no longer provides any water or sewer utility services. Initially then, it appears curious that Ranson would file the Motion. When the City of Ranson sold the assets comprising its former wastewater collection system to the Charles Town Utility Board (“CTUB”) several years ago it gained a seat on the board of CTUB. The Mayor of the City of Ranson is the vice chairman of CTUB. Upon information and belief, all sanitary sewer service that is provided within Ranson municipal limits is provided by CTUB.

Jefferson Utilities, Inc. provides potable water service to approximately 982 customers located within the municipal limits of Ranson pursuant to certificates of convenience and necessity and alternate main line extension agreements granted or approved by the Commission over the years. Jefferson Utilities, Inc. has served in the past 15 years virtually all the new development within the City of Ranson municipally boundaries. Upon information and belief, the City of Ranson has not provided potable water service for decades, if it ever provided such service. CTUB provides potable water service to some customers located within Ranson municipal limits.

JUI questions whether the filing of the Motion was approved by Ranson City Council.

Ranson asserts that if the Commission would initiate a general investigation with the purpose being “to designate water and sewer utility service/franchise areas among interested Jefferson County utilities that will facilitate coordinated strategic utility planning” it would be “in

the best interests of Ranson citizens, and every current and future Jefferson County ratepayer.” Motion, at 1. This suggestion is highly presumptuous and at odds with the Commission’s long-established jurisprudence.

Ranson should not presume to be able to speak for future ratepayers. Those future ratepayers should be allowed to speak for themselves, based upon the facts in existence at the time such future ratepayers seek utility service.

The Motion is an invitation for the Commission to undertake a fool’s errand to draw artificial service boundaries for unserved areas to apply in the future based upon what is known today.

As a hypothetical example, if it is presumed that there is a perfectly square four mile area that is presently unserved by either CTUB or JUI, with JUI facilities bordering the western edge of this area and CTUB facilities bordering the eastern edge, and it is decided to designate exclusive service areas down the middle, that may seem good and fair at this time. However, a decade hence, one utility may extend its facilities to abut the centerline, while the second utility may not extend its facilities at all. A prospective customer located close to the centerline in the second utility’s service territory then wants utility service. If the artificial territory boundaries are given force and effect, that prospective customer will be obligated to pay for the construction of a one-mile long main extension to reach the second utility, while an interconnection with the first utility would be available with a main extension of a few hundred feet. Such an elevated cost is a substantial impediment to receiving utility service.

This hypothetical example shows the rationale behind the PSC’s long-standing policy and practice to refrain from such artificial boundary drawing exercises, and instead rely upon its “grey and overlapping” jurisprudence, under which the prospective customer chooses its utility provider based upon facts in existence at the time the prospective customer seeks service. City of Hurricane, et al, Case No. 07-1419-WS-PC (April 17, 2008 Recommended Decision, final May 2, 2008), Conclusion of Law No. 1.

Municipal utilities are authorized by statute to extend service up to ten or twenty miles outside municipal boundaries, depending upon how the municipal utility is organized E.q. W.Va. Code § 8-20-1. Private utilities are authorized to make extensions from their certificate

service areas in the ordinary course. The Legislature has not authorized the Commission to diminish the statutory authority of municipal utilities, nor to diminish extension rights of private utilities. However, the Motion is an invitation for the Commission to enter orders which purport to do that. Such an order would be *ultra vires*. The Commission should not start down that path. Such an action would diminish Jefferson Utilities, Inc. statutory right to extend its service and water transmission lines to serve Huntwell West, which is a takings.

While Ranson purports to be neutral as between utilities operating in Jefferson County, the effect of its Motion, if granted to the full extent, would be to give CTUB additional exclusive service territory outside of Charles Town municipal limits. The Charles Town City Council has opted to impose large capacity improvement fees (“CIFs”) as a condition for new water or sewer service. Charles Town’s CIF for water is \$2,576 per residential connection, and a minimum of \$2,930 for sewer. As a municipal utility, that is its prerogative to recover its costs in part through a CIF, and it can compel prospective individual customers and developers within Charles Town municipal limits to pay its CIFs. However, CTUB must also accept that outside of Charles Town municipal limits, individual customers and developers with a choice between utilities will often find its CIFs an insurmountable impediment to obtaining service from it, and will instead choose the utility that does not impose large, up-front costs on new customers. The Charles Town City Council should not be relieved of the ordinary consequences of its legislative decision. The Commission should continue to adhere to its long-established precedent addressing service in grey and overlapping areas to uphold the rights of future prospective customers, and to refrain from infringing upon the statutory rights of utilities.

WHEREFORE, Jefferson Utilities, Inc. prays that the Commission deny the City of Ranson’s petition to initiate a general investigation.

JEFFERSON UTILITIES, INC.

by Counsel



James V. Kelsh, Esq. (WVSB #6617)

Bowles Rice LLP

P. O. Box 1386

Charleston, West Virginia 25325-1386

**PUBLIC SERVICE COMMISSION
WEST VIRGINIA
CHARLESTON**

**CASE NO. 22-0574-S-W-P
City of Ranson**

CERTIFICATE OF SERVICE

I, James V. Kelsh, do hereby certify that a true and accurate copy of the foregoing *Objection of Jefferson Utilities, Inc. to Motion for General Investigation* were served upon the following as indicated below on July 15, 2022:


VIA HAND DELIVERY:

Christopher Howard, Esq.
Public Service Commission of West Virginia
201 Brooks Street
Charleston, West Virginia 25301

VIA U.S. MAIL:

Timothy P. Stranko, Esq.
424 Park Street
Morgantown, West Virginia 26501

Charles Town Utility Board
661 S. George St.
Charles Town, WV 25414



James V. Kelsh (WVSB #6617)

Jefferson Utilities, Inc.

REVIEW OF LETTER WRITTEN BY STEPHANIE GROVE, RANSON CITY MANAGER

To the PSC on June 21, 2022 Requesting a general investigation.

For presentation to the Ranson City Council on July 19, 2022 by Lee Snyder

- First, I do not understand why Ms. Grove would write such as letter on behalf of the City of Ranson in order to make any kind of objective determination without hearing from Jefferson Utilities.
- It is obvious to me that Hoy Shingleton, Council for Charles Town Utility Board (CTUB) drafted the letter and that Mayor Pierson directed Ms. Grove to send the letter.
- It is very coincidental that the letter was written on June 21st after the recent Municipal Election of July 7th where 4 new councilmen were elected, a majority of the Council. Was it to stop the new voices from being heard?
- The letter indicates that “Duplicative underground infrastructures, competing Public Utilities and uncertain or inefficient service areas” are a problem.
- My question for Ms. Grove is, Where is this happening? To what particular circumstance do you refer?
- Ms. Grove advocates that the PSC “Designate water and sewer utility service/franchise areas among interested Jefferson County Utilities.” How can this benefit Ranson Developers and Ranson Residents?
- The fact is CTUB is unable to compete with Jefferson Utilities.

Jefferson has better tasting water, with draw from Jefferson Counties productive and safe ground water aquifer, has better pressure and has installed larger 16” lines for adequate service to the City of Ranson’s growth area.

- CTUB now charges each new customer a \$2,576.00 capacity improvement fee for water. Further, CTUB has discussed increasing this fee to \$4,000.00 per new customer. Virtually all developers in Ranson’s growth area have previously chosen Jefferson Utilities for water service.

- Jefferson Utilities provides water service to Briar Run, Fairfax Crossing, Both Shopping Centers (Potomac Marketplace and Ranson Gateway), Presidents Point, Shenandoah Springs and Rockwool.
- If water service were restricted to new Ranson developments through only CTUB, this would disadvantage Ranson Developers and their future home buyers who will pay this burdensome capacity improvement fee in the price of their new home.
- CTUB is also trying to stop Jefferson Utilities from acquiring Cave Road Utilities, Mark Roper's utility that has serviced, Cave Quarter Estates with water and sewer for over 40 years. CTUB had many years to buy Cave Road Utilities, but they did nothing. Mark Roper desperately needed help and Jefferson Utilities agreed to acquire his system and improve it. We have been working on improving both the water and sewer system in Cave Quarter for over 6 months. We have already made substantial improvement in the water and sewer facilities at Cave Quarter to benefit the existing customers.
- Improving troubled utilities has been a significant part of Jefferson Utilities mission for the past 25 years.

In 1997 we purchased and dramatically improved Walnut Grove Utilities.

In 2000 we acquired the three utilities serving the Mountain Communities of Keyes Ferry Acres, West Ridge Hills and Harpers Ferry Campsites. (Arguably some of the worst in the State of West Virginia when we acquired them).

In 2018 we acquired Fox Glen Utilities where significant upgrades have occurred.

Improvements in the Mountain Communities and Fox Glen continues monthly.

In conclusion Ms. Grove's letter advocates for less options for Ranson developers and inferior water service for future Ranson residents. I do not believe the Ranson City Council would support such a restriction.

Accordingly, I suggest that the letter Ms. Grove wrote should be retracted until the Council has an opportunity to conduct its own objective review of the water and sewer service issues for Ranson's growth area.

Thank You



Lee Snyder, President

MOTORIZED PORTABLE CAMERA COMPARISON

	Envirosight Rovver X	Aries Portable Pathfinder	Cues C550 Crawler
Camera Head			
Pan/Tilt	√	√	√
Zoom (120X)	√	√	
Rear-Facing Camera	√	√	
Camera Lift	√	√	
Capture Photographs	√	√	√
Controller/Monitor			
Touchscreen	√	√	
Measure (Diameter)	√		
Measure (Slope)	√		
Inspection Report	√	√	√
Software Interface	Very Intuitive	Intuitive	Not Intuitive
Crawler System			
Pipe Diameters	6"-24"	6"-15"	6"-18"
Interchangeable Wheels	22	30	20
Toolless Wheel Assembly	√		
Sonde Transmitter	√	√	√
Nitrogen Pressure Kit	√	√	
Cable and Reel			
Cable Length	1000 ft	1000 ft	1000 ft
Manhole Guide System	√	√	√
Pricing	\$78,400.00	\$80,985.00	\$53,272.00



A&H EQUIPMENT COMPANY

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Zelienople, PA 16063
1-800-753-7566

405 B Hagy Way
Harrisburg, PA 17110
Fax: 717-724-0310

241 E. Garrett St
Somerset, PA 15501
Fax: 814-444-6459

June 22, 2022

ENVIROSIGHT ROVVER X CAMERA SYSTEM PROPOSAL FOR:

Charles Town Utility Board 661 S George St Charles Town, WV 25414

Equipment available on the SOURCEWELL PURCHASING CONTRACT

Standard ROVVER X HD System w/ 1,000' cable reel & Basic WinCan VX Software & WinCan cloud capable Includes VC500 pendant controller with desk mount and US Connector PC-VC, RX90 Pan & Tilt 120:1 Zoom Camera, RX130 Crawler with 6-wheel drive & proportional steering, Rearview Camera built-in, inclination reading, built-in Sonde (512hz transmitter), Electric clutch for ability to freewheel crawler if desired, RAX300 Auto Cable Reel with 1,000' Of Kevlar coated 1,000lb break-strength cable. Additional accessories include emergency stop cable for reel, mounting frame, camera & crawler pressurization kit. Wireless Remote included for camera/crawler operation.
6-24" INSPECTION SYSTEM; OPTIONAL CARRIAGE & LIFT ACCESSORIES FOR LARGER DIAMETER PIPE

QUICK-CHANGE WHEEL SYSTEM

Including 6 hubs, 6 small rubber wheels, 4 medium rubber wheels, 4 large rubber wheels and 2 climber wheels

Tiger Tail, Manhole Roller & Crawler Lowering Device included

SYSTEM TOTAL : \$78,400.00

Option: Set of Medium Carbide Wheels for 8" pipe diameter & larger. Ideal for PVC

\$ 2,540.00

**Includes on-site training*

SIGNATURE: _____ DATE: _____

PO# (if applicable): _____

system

ratings CE, NRTL
power 120-240 Vac, 60 Hz
viewing capability pipelines 4-96" dia.

camera (RCX90)

imager color 1/4" CCD
resolution 720 × 576 pixels
zoom lens 120× (10× optical, 12× digital)
pressure rating 1 bar
features auto shutter; auto/manual focus
illumination dimmable 40-LED array
articulation ±145 deg tilt; infinite pan
measurement twin laser diodes
sensing temperature, pressure, pan/tilt
size 6.6" × 3.1" × 2.8" (168 × 81 × 72 mm)
weight 3.3 lb (1.5 kg)
materials aluminum, stainless steel

crawler (RX130)

wheels 6
turn radius down to 0.0"
camera color rear-view with tri-LED lamp
sensors pitch, roll, temperature, pressure
pressure rating 1 bar
size 12.2" × 4.4" × 3.2" (310 × 111 × 90 mm)
weight 13.2 lb (6 kg)
materials aluminum, stainless steel
sonde transmitter 33 kHz / 512 Hz

control pendant (VC200)

controls twin joysticks; push-button controls (power, lamp intensity, camera lift, zoom, focus, reel mode, pull force, crawl speed/direction); 10 soft keys; touchscreen
touchscreen 8.4" color (800×600 pixels)
video capture MPEG-4 (H.256)
image capture JPEG
storage external USB; internal flash (64 GB)
connectivity Ethernet
size 13.5" × 9.3" × 3" (342 × 236 × 75 mm)
weight 4.4 lb (2 kg)
firmware VisionControl (auto-updating)
bundled software VisionReport

aux. lamp (optional)

lamps four (4) tri-LED lamps
dimensions 4.6"×5.2"×5.2" (117×132×132 mm)
materials aluminum, stainless steel



cable reel (RAX300)

cable length 1000' (300 m)
cable diameter 1/4" (6.5 mm)
cable weight 0.03 lb/ft
cable strength 1000 lb
cable conductors 6
controls (local) power, emergency stop
controls (via pendant) auto/manual, speed, forward/reverse, pull strength
sensors tension, tilt
size 24.2"×12.4"×19.3" (620×315×490 mm)
weight 68.3 lb (31 kg)
connections pendant, service, video in/out

camera lift (optional)

lift range 3.1-10.2" (132-312 mm)
materials aluminum, stainless steel

carriage (optional)

wheelbase (w/l) 14.5"/12.2" (368/310 mm)
weight 34.2 lb (15.5 kg)
materials aluminum, stainless steel

aux. lamp/rear camera (optional)

forward illumination twin tri-LED lamps
camera color rear-view with tri-LED lamp
sonde transmitter 33 kHz / 512 Hz
materials aluminum, stainless steel

basic system

- RX130 crawler body
- RCX90 camera head
- RAX300 reel with 1000' cable
- VC200 control pendant
- VisionReport software
- WinCan VX software (basic)
- single-channel digital wireless remote control
- small rubber wheels (6)
- medium rubber wheels (4)
- medium grease wheels (4)
- climber wheels (2)
- large rubber wheels (4)
- crawler body transport case
- camera head transport case
- tools (wrenches, pressure kit)

options/accessories

- laser profiler
- DigiSewer side-scan camera
- lateral launch crawler/reel
- remote camera lift
- large-pipe carriage
- large- and small-dia. crawlers
- aux. lamp/rear-view camera
- desktop mount for pendant
- USB media for pendant
- wheel sets (see chart on flap)
- cable management accessories
- lowering devices
- WinCan VX software (advanced)
- other accessories

Golden Equipment Company, Inc.

393 Mars Valencia Road 800-242-1494 ph
 Mars, PA 16046 724-625-3744 Fax

QUOTE# 06142022BG

QUOTATION

Customer Information

Contact
Company City of Charles Town
Address 101 East Washington Street

City **Charles Town** *State* **WV** *Zip Code* **25414**
Phone **304-725-2311** *Email* _

Date June 14, 2022
Expiration July 31, 2022
Salesman
Terms Per Contract
Delivery TBD
FOB Aries

Item#	Qty	U/M	Part#	Description	Unit Price	Extended
1	1	ea	PF Mobile	Aries Portable Pathfinder System Including: PE3430 Camera, TR3320 Transporter for 6" -15" lines , UC3400 Universal Controller, PR3400 portable reel with 1000' of cable and manhole guide system. Per attached Component List	\$80,985.00	\$80,985.00
Subtotal						
Shipping & Handling						
Taxes						
Other						
TOTAL						\$80,985.00

The trusted dealer in pipeline inspection and rehabilitation equipment

Please visit our website: www.goldenequipmentcompany.com

Golden Equipment Co., Inc terms and conditions of sale for this quotation are available upon request

Note: Any and all applicable sales tax will be added to the invoice

Mobile Pathfinder Inspection System

This sewer television system is delivered complete, ready for operation. The system includes a pan & tilt camera and transporter with inspection capacity from 6" to 36" lines.

- 1 Aries Mobile Pathfinder UC3400 All-in-One Controller, with features including:**
 - 8.4" color flat screen TV monitor
 - Sealed connector for interconnect cable to reel
 - Camera controls
 - Tractor controls
 - Reel controls
 - Internal digital video recorder
 - VL5000 data display control module
 - Alphanumeric full "QWERTY" keyboard for video titling and report data input
 - 1 Storage and transportation case
- 1 Extended interconnect cable tether and hub assembly, cable reel to all-in one control unit**
- 1 Laptop computer interconnect cable kit**
- 1 Aries PE3430 Pathfinder series zoom, pan & tilt camera w/ high-intensity LED lighting and integrated self-cleaning lens wiper system, including:**
 - Pathfinder zoom pan and tilt camera w/ multi-axis infinite rotation
 - Integrated on-demand self-cleaning lens wiper system
 - 120X zoom (10X optical & 12X digital)
 - High-resolution 480(V) x 720(H) output
 - Auto-focus with manual override
 - Auto-iris with manual override
 - Maintenance-free forward-facing white LED lighting located in the camera forks
 - Maintenance-free directional white LED lighting that follows the camera's field of view
 - White balance optimization with (4) selectable settings
 - High-sensitivity camera sensor for low-light applications
 - "Starlite" low-light level amplification feature with (4) user selectable amplification steps
 - Automatic home feature with forks at top and bottom of camera head
 - "One Touch Scanning" feature with (2) user selectable continuous joint scan presets
 - "Quick Look" preset view positions (6) (Up, Down, Right, Left, Lat R, Lat L)
 - Robust, environmentally sealed camera for use in live pipe, including:
 - Scratch-resistant sapphire lens window
 - Camera recessed behind forks for frontal impact protection
 - Camera housing with hardened metal finishes and non-corrosive metals
 - Recessed fasteners & no camera protrusions
 - Proportionately slowed camera movements when zooming
 - Fast-check internal pressure monitoring system
 - On-screen camera diagnostics functions including:
 - Camera internal pressure, temperature, operating hours, internal power regulated voltage value, camera model, serial number, firmware revision, control error recognition, LED current value.
 - 1 Camera storage and transport case
 - 1 Camera nitrogen recharge kit

1 Aries TR3320 Pathfinder steerable self-propelled transporter for 6” to 24” lines, including:

- 1 Tractor assembly with continuous duty drive motors
- 6 Rubber wheels, 3” diameter
- 4 Rubber wheels, 4” diameter
- 4 Extended hub rubber wheels, 4” diameter
- 4 Extended hub rubber wheels, 5” diameter
- 1 Remotely-operated electric camera lifting mechanism
- 1 Fast-check pressure monitoring system
- 1 Rear viewing camera with LED lighting
- 1 512 Hz internal locating beacon
- 1 Storage and transport case
- 1 Set maintenance parts

4 Double wide “dually” extended hub wheels for larger lines, 5” diameter

- 2 Carbide impregnated high traction wheels, 3” diameter**
- 2 Carbide impregnated high traction wheels, 4” diameter**
- 2 Extended hub carbide impregnated high traction wheels, 4” diameter**
- 2 Extended hub carbide impregnated high traction wheels, 5” diameter**

1 Mobile Pathfinder PR3400 cable and reel assembly, with features including:

- Lightweight frame with casters and handles
- Drum and motor assembly with clutch and cable level wind assembly
- Sealed continuous contact collector assembly, 12-slip rings minimum
- Distance meter encoder
- Emergency hand crank arm
- Emergency stop push button switch
- 1000’ of lightweight low friction multi-conductor cable
- AC power switch
- Universal power input plug with cord
- Cable guide roller, removable, handle mounted

1 Cable manhole guide system including:

- 1 Manhole top roller assembly
- 1 Insertion and extractor pole assembly and tractor adapter
 - 3 Quick lock extension poles, fiberglass
- 2 Additional fiberglass extension poles
- 1 Tiger tail bottom cable guide

2 Operation / maintenance and spare parts manuals

1 Maintenance tool kit

1 Delivery of system

1 One year warranty, TV system



Eastcom Associates, Inc.
 185 Industrial Pkwy, Suite G
 Branchburg, NJ 08876
 Phone: (908) 722-7774
 Fax: (908) 722-9299
 www.EastcomAssoc.com

QUOTATION

Quote # WV05252022JV
 Date: 5/25/2022

Company: Charles Town Utility Board
 832 South George St.
 Charles Town, WV 25414

Attn: Joe Burris
 Phone: (304) 724-3280
 Email: jburris@charlestownutilities.us



Qty	Part No.	DESCRIPTION	Item Price	Amount
1	SSP	Cues C550 Crawler Inspection Camera System - Small Stand	\$52,622.00	\$ 52,622.00
		Items included:		
		Powered Drum 1000' cable with Swivel		
		P354 Crawler (6"- 18" Pipe)		
		Command Module & Pendant Controller		
		Pan/Tilt Camera & Small Elevator		
		3" Small PVC Grit Wheels & Adaptors		
		Medium Wheel Set		
		3" Intermediate Wheel Set		
		Down Hole set (Top/Bottom roller, rope, poles)		
		Downhole (Hook and strap kit)		
		5m Link Cable		
		Localization Pack (Software, grease, mains cable, USB interface cable, Accessory Bag)		
		C550 Cable Blanking Tow Eye		
		Estimated Shipping Charges		\$650.00
		On-Site Equipment Training		INCLUDED
		Quote Total		\$ 53,272.00

Sales Tax: For Shipments to NJ or NY, Add Applicable Local Sales Tax

Payment Terms: Net 30 Days (w/approved credit), or Credit Card. Business Financing Options are Available

Delivery: 2 Weeks ARO

Freight: Ground Insured Freight Charges Prepaid and Added

Quote Validity: 30 Days

Thank you for your interest in our products and the opportunity to provide this quotation.

Please contact us with any questions or to place an order.

Prepared By:
 CC:

Jim Verga
 Dennis Cinelli



A&H EQUIPMENT COMPANY

PITTSBURGH
620 W Beaver Street
Zelienople, PA 16063

HARRISBURG
1405 B Hagy Way
Harrisburg, PA 17110

SOMERSET
241 E. Garrett St
Somerset, PA 15501

ENVIROSIGHT ROVVER X WARRANTY INFORMATION:

The equipment is warranted for ONE (1) YEAR to be free of manufacturing defects. If item is found to be defective A&H Equipment will replace that item @ no charge.* Damages to equipment and/or normal wear items such as O-Ring seals will not be covered.

A&H Equipment offers two servicing locations for the ENVIROSIGHT equipment. A&H Harrisburg PA & A&H Pittsburgh PA. Factory trained technicians will diagnose, Fill new parts orders & repair @ either of our two locations.

ENVIROSIGHT is headquartered in Randolph, NJ & has parts inventory to supply A&H Equipment with necessary parts needed to get the Rovver X Camera System back to work as soon as possible.

*A&H Equipment will offer 'loaner' system based on availability if camera system is down for a period of time until repaired.



ONE YEAR LIMITED WARRANTY POLICY

Subject to the conditions set forth herein, Aries Industries, Inc. ("Aries") warrants all new items manufactured by Aries ("Products") for defects in materials and workmanship for a period of one year following the date of receipt by the original user thereof (the "Customer").

Aries shall have, at their option, the right to repair or to replace any defective part or component at their service facility(s), or to ship the Customer a replacement component or part.

Not covered by this Warranty are expendable or wear-out items such as some light bulbs, drive belts, cables, batteries and connectors.

Generators, monitors, recording devices, air conditioners, and all other equipment, materials and items not manufactured by Aries are not covered by this Warranty and shall be covered by any warranty provided by the manufacturer thereof.

No warranty shall be applicable to malfunctions due to damage, neglect, wear, misuse, using unauthorized parts, or improper handling or repairs to any part of the equipment. Improper repairs are deemed to be repairs made by persons other than factory authorized personnel.

Any unauthorized repairs of any Aries manufactured equipment will invalidate this warranty.

Aries shall not be liable for any special, direct, indirect, consequential, punitive or incidental damages (including, without limitation, loss of profits or sales) or injury to person or property resulting from use of the Products or any breach of this Warranty. Aries maximum liability under this Warranty, in the aggregate, shall not exceed the price paid for the Products.

EXCEPT FOR THE WARRANTY SET FORTH HEREIN, ARIES MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, CONCERNING THE PRODUCTS. ALL OTHER GUARANTEES, WARRANTIES, CONDITIONS AND REPRESENTATIONS, EITHER EXPRESS OR IMPLIED, WHETHER ARISING OUT OF ANY STATUTE, LAW, COMMERCIAL USAGE OR OTHERWISE, ARE HEREBY DISCLAIMED AND EXCLUDED. WHILE ARIES MAY, FROM TIME TO TIME, OFFER RECOMMENDATIONS AND ADVICE WITH RESPECT TO USE OF PRODUCTS, IT IS UNDERSTOOD THAT ANY SUCH RECOMMENDATIONS AND ADVICE ARE NOT WARRANTIES AND CUSTOMER WILL ACT UPON ANY SUCH RECOMMENDATIONS AND ADVICE AT CUSTOMER'S SOLE RISK.

Eastcom Associates – Cues Crawler

Warranty Info

One year warranty on manufacturer defects.

Eastcom does free on site training.

We provide customer support and we do repairs at our office in NJ.

Camera head and sonde screw off for in field repairs.

Re terminations of the cable and monitor repairs are done at our office.

CTUB CAPITAL IMPROVEMENT PLAN 2023 (SEWER): SUMMARY OF INTERNAL SOURCES AND USES

FY 2022					
Source	Ending Cash Balance				Notes and Explanations
INTERNAL FUNDING SOURCES:	<u>OPERATING FUND</u> (O&M, Capital, & Debt Service)	<u>RENEWAL & REPLACEMENT FUND</u>	<u>CAPACITY IMPROVEMENT FUND</u>		
	\$ 2,351,980	\$ 704,766	\$ 3,735,204		Balance at year-end does not reflect changes in FY 2023.
Total Fund Balances as of 6/30/2022	\$ 2,351,980	\$ 704,766	\$ 3,735,204		
FY 2023					
Use	Proposed Capital Improvement Expenditures				Notes and Explanations
Motorized Camera	\$ 80,940				Invest in a motorized camera to assist with assessment of sewer lines and mains. To be funded by Operating Fund.
Vehicles/Transportation					
Capital Improvement Projects					
Renewal and Replacement Project	\$ 600,000	\$ 500,000	\$ 1,170,163		Internal funding of the Renewal and Replacement project at the main Wastewater Treatment Plant. (Does not include the \$455,536.47 previously used from Operating)
Collection System Project	\$ 501,945	\$ -	\$ 1,300,000		Internal funding of the Collection System Project. (Does not include the \$501,945.22 previously used from Operating)
Total Equipment and Capital Project Expenses	\$ 1,182,885	\$ 500,000	\$ 2,470,163		
Estimated Year End Balance.....	\$ 1,169,095	\$ 204,766	\$ 1,265,041		The balance for each year is maintained in the Operating Account and used to fund other or future CTUB priorities.

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT	AMOUNT
			TOTAL:	3,280.00
USA BLUEBOOK	CL17SC ANALYZER STANDPIPE	WATER FUND	WATER	3,189.16
	DEERFIELD BALLAST RPLCMNT	SEWER FUND	SEWER	370.75
	PIPET TIPS,MARKING WAND,GL	SEWER FUND	SEWER	554.89
	PIPET TIPS,MARKING WAND,GL	SEWER FUND	SEWER	753.11
			TOTAL:	4,867.91
VITAL SIGNS	INSPECTION DECALS	WATER FUND	WATER	165.00
	INSPECTION DECALS	SEWER FUND	SEWER	165.00
			TOTAL:	330.00

===== FUND TOTALS =====

50	WATER FUND	51,462.81
60	SEWER FUND	66,338.62

	GRAND TOTAL:	117,801.43

TOTAL PAGES: 3

APPROVED BY: _____

APPROVED BY: _____

This Packet: \$ 117,801.43

Security Deposit Refund: 76.92

Total: \$ 117,878.35

Note:

Highlighted invoice is for the R&R Project

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT	AMOUNT
HACH COMPANY	MONO-CHLOR, AMMONIA, PHENO	WATER FUND	WATER	1,506.74
	EE PHOSVER 3 PWD PLWS 10ML	SEWER FUND	SEWER	228.40
	LDOPROBE, SNSRCP RPLCMNT,	SEWER FUND	SEWER	<u>1,740.74</u>
	TOTAL:			3,475.88
HULL'S CRANE SERVICE, INC	INTAKE MOTOR RPLC CRANE RE	WATER FUND	WATER	<u>1,480.00</u>
	TOTAL:			1,480.00
INWOOD QUARRY, INC.	C2 PICKUPS: 7/12/22	WATER FUND	WATER	727.27
	I8 & I10 PICKUPS: 7/19/22	WATER FUND	WATER	<u>589.46</u>
	TOTAL:			1,316.73
J.C. KUNKLE & ASSOCIATES, A.C.	PROFF SVCS 6/01 - 7/15/22	SEWER FUND	NON-DEPARTMENTAL	<u>7,400.00</u>
	PROFF SVCS 6/01 - 7/15/22	SEWER FUND	SEWER	<u>375.00</u>
	TOTAL:			7,775.00
LUTMAN LAND DEVELOPMENT	TAP FEES REFUNDS	WATER FUND	NON-DEPARTMENTAL	500.00
	TAP FEES REFUNDS	SEWER FUND	NON-DEPARTMENTAL	<u>400.00</u>
	TOTAL:			900.00
MISS UTILITY OF WV, INC.	MESSAGE FEES: JUNE	WATER FUND	WATER	<u>541.80</u>
	TOTAL:			541.80
PA TURNPIKE	TOLL 6/16/22	SEWER FUND	SEWER	49.10
	TOLL 6/16/22	SEWER FUND	SEWER	<u>84.50</u>
	TOTAL:			133.60
PACE ANALYTICAL SERVICES, LLC	TESTING: WATER	WATER FUND	WATER	158.56
	TESTING: CT INDSTRL	SEWER FUND	SEWER	64.07
	TESTING: CT	SEWER FUND	SEWER	192.22
	TESTING: CT WKLY	SEWER FUND	SEWER	192.22
	TESTING: CT SEMI	SEWER FUND	SEWER	180.28
	TESTING: CT USRS MNTH	SEWER FUND	SEWER	64.07
	TESTING: CT PFAS	SEWER FUND	SEWER	<u>1,337.95</u>
	TOTAL:			2,189.37
POLY COATING SOLUTIONS LLC	MANHOLE REHAB: CT293, CT29	SEWER FUND	SEWER	9,430.00
	MANHOLE REHAB: CT43,CT41,C	SEWER FUND	SEWER	<u>8,935.00</u>
	TOTAL:			18,365.00
SHENANDOAH AIR CONDITIONING & HEATING,	FLOWING SPRINGS PS	SEWER FUND	SEWER	<u>724.37</u>
	TOTAL:			724.37
SHENANDOAH SALES & SERVICE, INC.	WATER VEHICLE SERVICE	WATER FUND	WATER	313.18
	SEWER VEHICLE SERVICE	SEWER FUND	SEWER	351.39
	SEWER VEHICLE SERVICE	SEWER FUND	SEWER	174.49
	SEWER VEHICLE SERVICE	SEWER FUND	SEWER	<u>287.50</u>
	TOTAL:			1,126.56
GERALD TAYLOR CO., INC.	VAC / TRANSPORT	WATER FUND	WATER	794.45
	PUMP / TRANSPORT	WATER FUND	WATER	536.92
	VAC / TRANSPORT	WATER FUND	WATER	780.13
	SUPERVAC LIFT STATIONS	SEWER FUND	SEWER	<u>1,585.08</u>
	TOTAL:			3,696.58
THE CI THORNBURG CO, INC.	PRORATED 520MMXU SNGLPRTTC	WATER FUND	WATER	3,280.00

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT	AMOUNT
AUTOZONE	ANTIFREEZE COOLANT	WATER FUND	WATER	13.43
	SEAT CUSHION	WATER FUND	WATER	14.71
	SEAT CUSHION	SEWER FUND	SEWER	<u>29.43</u>
			TOTAL:	57.57
CEDARCHEM, LLC	CEDARCLEAR WEIGHT DISCREPA	WATER FUND	WATER	94.00-
	2,250G CEDARCLEAR 1757	WATER FUND	WATER	<u>10,528.00</u>
			TOTAL:	10,434.00
CHARLES TOWN SEWER	JUNE FUNDING	SEWER FUND	NON-DEPARTMENTAL	<u>13,104.71</u>
			TOTAL:	13,104.71
CHARLES TOWN WATER	JUNE FUNDING	WATER FUND	NON-DEPARTMENTAL	<u>7,649.09</u>
			TOTAL:	7,649.09
CORE & MAIN	HHRK-7 REPAIR KIT 2"	WATER FUND	WATER	138.42
	FB1000-4NL1BLPCRSTP,FC202	WATER FUND	WATER	469.08
	VHH42-7WNL 5/8X3/4 RESETTE	WATER FUND	WATER	<u>4,722.48</u>
			TOTAL:	5,329.98
COYNE CHEMICAL	AMMNSLFT40%NSF, HYDROFLSLC	WATER FUND	WATER	2,380.15
	SODIUM PERMANGANATE 20%	WATER FUND	WATER	1,558.20
	AMMONIUMSULFATE 40%NSF, CP	WATER FUND	WATER	4,131.80
	ZETAG 8868FS	SEWER FUND	SEWER	<u>9,246.86</u>
			TOTAL:	17,317.01
CRYSTAL SPRINGS	MONTHLY SVC@ 661 & WWTP	WATER FUND	WATER	138.92
	MONTHLY SVC@ 661 & WWTP	SEWER FUND	SEWER	<u>77.22</u>
			TOTAL:	216.14
DELL MARKETING L.P.	PRECISION 3660 TOWER	WATER FUND	WATER	<u>2,629.16</u>
			TOTAL:	2,629.16
DEPT OF ENVIRONMENTAL PROTECTION	DEERFIELD PRMTRNWL:GRNDWTR	SEWER FUND	SEWER	<u>214.80</u>
			TOTAL:	214.80
VW DEPT OF HEALTH & HUMAN SERVICES	FLOURIDE TEST	WATER FUND	WATER	15.00
	BACTERIOLOGICAL TEST	WATER FUND	WATER	<u>100.00</u>
			TOTAL:	115.00
FEJ USA, INC.	WASHINGTON ST	SEWER FUND	SEWER	<u>3,286.60</u>
			TOTAL:	3,286.60
FERGUSON US HOLDINGS, INC	DRISWOOD PS	SEWER FUND	SEWER	<u>1,767.00</u>
			TOTAL:	1,767.00
FIRE SAFETY EQUIPMENT SUPPLY	SVC OF FIRE EXTINGUISHERS	WATER FUND	WATER	418.00
	SVC OF FIRE EXTINGUISHERS	SEWER FUND	SEWER	<u>418.00</u>
			TOTAL:	836.00
GUTTMAN ENERGY	W/E 7/17/22	WATER FUND	WATER	1,300.98
	W/E 7/24/22	WATER FUND	WATER	786.72
	W/E 7/17/22	SEWER FUND	SEWER	1,103.69
	W/E 7/17/22	SEWER FUND	SEWER	77.90
	W/E 7/24/22	SEWER FUND	SEWER	<u>1,372.28</u>
			TOTAL:	4,641.57