



Covington Public Works/Utilities

DIRECTOR OF PUBLIC WORKS

City of Covington

Public Works Meeting

City Hall

Downstairs Board Room 4:00 P.M.

August 6, 2024

- 1. Well four repairs. (See Attached)**
- 2. 2016 to current street paving. (See Attached)**
- 3. Serv Line Protection Program starting September 1st.**
- 4. USDA grants.**
- 5. Update on Burnett bridge replacement.**
- 6. New MECA gas rates start September 1st. (See Attached)**
- 7. Best tasting water contest. (See Attached)**

Other Business:

- 1. Code Division monthly report: (See attached)**

Adjourn:



National Water Service
10545 Hwy 64, Suite 1
Arlington, TN 38002
(901) 409-4052
www.national-water.com

July 8, 2024

City of Covington
200 West Washington Avenue
Covington, TN 38019
Attn: Joe Bloechl

RE: Water Well #4 – Well and Pump Repair Recommendations

Dear Joe,

We have recently completed the evaluation of Water Well #4 and the pumping equipment that was removed from the well. I have provided below the details of our findings.

Upon review of the downhole video survey of Well #4, it appears the existing well casing shows signs of scale build up, which is common for a well of this age. Due to the age of this well, I do not recommend the scale be brushed and removed from the well casing, as it might open holes and cause well failure. The top of the stainless-steel lap was located at 407' below grade. There is approximately 55' of stainless-steel lap pipe installed and looks to be in satisfactory condition. The top of the well screen was located to be at 462' below grade. There is approximately 70' of stainless-steel screen, then a stainless-steel blank section that is 5' in length. Below the 5' stainless steel blank section is more stainless-steel screen. We could not determine how much additional screen is installed, due to the top of the fill in the well being at 539' below grade. This fill appears to be scaling that had possibly fallen down the well over the years or another contractor may have installed a plug in the bottom of the well in previous years.

The pumping equipment was found to have issues. Like the findings from the pumping equipment from Well #5 and Well #6, the pumping equipment from Well #4 appears to show signs of electrolysis decay in the bowl assembly, column pipe sections. Most of the problem areas found were at the threaded connection and in spots where the coating could not be applied. The iron/steel is showing signs of deterioration. See pictures below:



It is our recommendation that we replace all the existing pumping assembly with new Stainless Steel components, as previously completed on Well #5 and Well #6.

Following this letter, you will find our quotation for repairing the pumping assembly and labor to reinstall and conduct a performance test on the pumping equipment.

Please review the following quotation and let me know if you have any questions. We will wait until you have had a chance to review this letter and quotation and receive your authorization before we begin any repairs.

Thank you for your continued business and I look forward to hearing from you.

Sincerely,

Ryan McMurry

Ryan McMurry
Project Manager
National Water Services
rmcmurry@national-water.com



National Water Services
10545 Hwy 64, Suite 1
Arlington, TN 38002
Phone: (901) 409-4052

QUOTATION

Date: July 10, 2024
Purchaser: City of Covington
200 West Washington Avenue
Covington, TN 38019
Attn: Joe Bloechl
Phone Number: (901) 475-4965
Mobile Number: (901) 483-1678
Email: jbloechl@covingtontn.com

We are pleased to submit the following quotation:

Job Description: Well #4 - Stainless Steel Option: Pump Repair, Installation, & Performance Testing

MATERIALS

QNTY	UNITS	DESCRIPTION	PRICE	TOTAL
1	EA	AMP / 11LC - 3 Stage SST Pump Bowl (900 GPM @ 140' TDH)	\$23,495.00	\$23,495.00
1	EA	8" x 5' TBE 304SST Bottom Column Pipe	\$1,133.00	\$1,133.00
1	EA	8" x 4'-11-1/4" TBE 304SST Top Column Pipe	\$2,125.00	\$2,125.00
11	EA	8" x 9'-11-1/4" T&C 304SST Column Pipe	\$3,042.00	\$33,462.00
11	EA	1-3/16" x 10' TBE 416SST Line Shaft	\$370.00	\$4,070.00
1	EA	1-3/16" x 5' TBE 416SST Bottom Line Shaft	\$304.00	\$304.00
1	EA	1-3/16" x 5'-6" TBE 416SST Top Line Shaft	\$508.00	\$508.00
1	EA	1-3/16" Motor Drive Shaft	\$516.00	\$516.00
1	EA	1-3/16" Adjusting Nut	\$116.00	\$116.00
12	EA	2" x 1-3/16" Rubber Spider Insert	\$29.00	\$348.00
14	EA	1-3/16" 416SST Line Shaft Coupling	\$50.00	\$700.00
1	EA	8" x 20' 304SST Suction Pipe	\$3,883.00	\$3,883.00
1	EA	Stuffing Box Bearing	\$100.00	\$100.00
120	FT	1/4" SST Airline	\$3.35	\$402.00
1	LS	40 HP Motor Evaluation	\$250.00	\$250.00
1	LS	Miscellaneous (gauges, sealant, banding material, ect.)	\$500.00	\$500.00
TOTAL MATERIALS				\$71,912.00

LABOR

QNTY	UNITS	DESCRIPTION	PRICE	TOTAL
1	LS	Machinist / Shop Labor	\$2,982.00	\$2,982.00
		• Straighten shafting and clean retainers		
		• Paint and clean discharge head		
		• Rebuild stuffing box		
		• Reassemble setting		
1	LS	Three (3) Man Crew and Pump Crane	\$10,100.00	\$10,100.00
		• Mobilization		
		• Setup Rigging and Equipment		
		• Install 120' of 10" x 1-1/4" Water Lube Pump Assembly		
		• Perform performance flow test		
		• Breakdown and demobilize		
TOTAL LABOR				\$13,082.00
TOTAL PROJECT				\$84,994.00

The undersigned Purchaser hereby instructs National Water Services (Contractor), to proceed with work described with the understanding that the Terms & Conditions shown following are hereby incorporated as part of the Quotation and with specific understanding that Contractor will not be liable for any damage in any way whatsoever for failure to complete the described work, nor any injury or damage resulting from the Contractor's efforts to perform such work, or for the delay on the Contractor's part in completing same. All work described herein will be provided as quoted above. All quotes indicated, if any, are estimates based on the best information available prior to beginning work. As the work scope changes, additional quotations will be issued. Purchaser's pumps, motors, parts and/or accessories may be stored by the contractor for (30) days from the date on invoice. After said (30) days, disposal of such equipment may be made by the contractor without incurring liability.

PURCHASER

City of Covington

By: _____
Title: _____
Date: _____
PO # _____

CONTRACTOR

National Water Services

By: Ryan McMurry
Title: Project Manager
Date: 07/10/24

Dis. 1

Simonton from Murphy to Peeler
Rose St.
Barlow St.
Craig St.
Murphy from Shelton to City Limits
Hill St. from 51 to Simonton
Simonton from Tn. To Wortham
Town Creek
Wortham Rd.
Zion
Peete St.
Hatchie St.
Long Ave.
Davis St.
Best St.
Hall Alley
Tennessee Ave.
Murphy from Simomnton to Shelton

2016
2016
2016
2016
2017
2019
2016
2020
2021
2022
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2022
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2023
2023

Dis. 2

W. Sherrod from Main to East St.
Bledsoe
Tuxedo
Feezer from Bledsoe to Dixon
Feezer from E.Liberty to Bledsoe
Hope Street
Mark Walker Blvd.
Wooten
E.Ripley

2016
2016
2019
2019
2019
2020
2021
2021
2023

Dis.3

W. Sherrod from Main to Hwy. 51
College St. from Pleasant to Mueller
Garland
Bert JOHNSTON Ave.
Herring Dr.
Winn Ave.
Oakview
James Ave.
Walters

2017
2021
2021
2021
2021
2021
2021
2021
2021

David Gray

From: Calvin Johnson
Sent: Monday, June 17, 2024 10:18 AM
To: David Gray
Subject: Fwd: Tennergy / RBC prepay - MEAC participants

FYI
Sent from my iPhone

Begin forwarded message:

From: "Thompson, Derrick" <derrick.thompson@symmetryenergy.com>
Date: June 17, 2024 at 8:07:10 AM CDT
To: Calvin Johnson <cjohnson@covingtontn.com>
Subject: Tennergy / RBC prepay - MEAC participants

Good Morning Calvin,

MEAC is pleased to announce that the Tennergy / Royal Bank of Canada prepay was repriced successfully Monday afternoon. Monthly savings for participants that extended deliveries through the 30 year period is projected to be \$0.429/MMBtu on a monthly basis with an additional \$0.08 in estimated annual savings, which will be distributed as described in the supply contract. The monthly savings for any participant that did not extend deliveries will be \$0.359/MMBtu. Please note that the annual savings has not been locked in at this point, but the contract amendment will indicate the new, available annual amount. Gas deliveries for the new reset period will begin September 1, 2024 and go through October 31, 2029. Thank you for your participation and patience with the project. Royal Bank of Canada and Tennergy have been great partners in this prepayment deal!

We are now moving toward closing, which will take place on **July 3rd**. We know this is a holiday week and you will need to plan for the appropriate personal to be available to sign documents before the closing date. You will receive an email in the next few days with closing documents and signature pages. We will also need your help coordinating with your attorney for their opinion needed for closing. This does not need to go back to your board since the previous documents approved by your board gives your authorized representative signing authority as long as the deal closes within the previously approved parameters and we are closing with the parameters.

Congratulations and thank you again. We look forward to continue to serve your system's gas supply needs through the Tennergy / RBC prepay project.

Thanks!



Derrick Thompson
Senior Origination Representative
270.314.3151 c.
derrick.thompson@symmetryenergy.com
SymmetryEnergy.com

David Gray

From: Joe Bloechl
Sent: Thursday, August 01, 2024 11:10 AM
To: David Gray
Subject: FW: Water Contest

Good morning,

Water Contest information.

Have a good day,
Joe

Joseph Bloechl
Chief Water Treatment Operator
Office: 901-475-4965
Cell: 901-483-1678
Email: JBloechl@Covingtontn.com
<http://www.covingtontn.com/water-quality-division.html>

From: Michael Keeton <michaelkeeton@taud.org>
Sent: Tuesday, July 30, 2024 10:51 AM
To: chepburn@e-u.cc; msmcclurg@maryville-tn.gov; sewerplant@maynardvilletn.com; rmorton@mcminnvilletn.gov; tshumate@msud.net; jwwade@msud.net; donniegroves@townofchapelhilltn.gov; ssummers@lburgus.com; ttaubert@protonmail.com; Joe Bloechl <jbloechl@covingtontn.com>; Calvin Johnson <cjohnson@covingtontn.com>
Subject: Water Contest

Hello everyone

The Best Tasting Water Contest Finals will be on August 8th at the TAUD Business Conference in the Convention Center in Gatlinburg. There has been a change to the start time for the super session on Thursday the 8th. The session will start at 9:30 AM Eastern time. I will need your samples signed in no later than 9:00. The super session and contest will be held upstairs in the main auditorium (Mills Auditorium). The sample must be collected by a certified operator. If you have any questions, please let me know. If on the day of the contest there is an issue with your sample or anything else, please call or text me 865-660-6454. Best of luck to you all. I can't wait to see who is going to represent Tennessee in Washington D.C. in February.

Thank You and good luck.

Michael Keeton
Energy Efficiency Technician
Tennessee Association of Utility Districts
michaelkeeton@taud.org
865-6606454

CODE COMPLIANCE DEPARTMENT REPORT: AUGUST 6, 2024



TOUCHPOINTS:

Personnel Report: 1 employee will be out of the office an extended period of time.

Training: On going in numerous subjects

On Going Projects:

- Blight Grant
- Property Maintenance Concerns
- Site Plans submitted - none
- Re-zoning Application or Text Amendment submitted - none
- Commercial Renovation applications submitted:
 - Tipton Village Apartments – 149 Jamie Lynn Cove
 - Covington Village Apartments – 198 Village Road