



**TOWN COUNCIL INFORMATIONAL  
WORK SESSION AGENDA  
OCTOBER 12, 2021**

To join via the web, please use the link <https://us02web.zoom.us/j/8697557180> Once connected by computer join via computer audio or by dial in with your unique Participant ID to join your audio and video. To view by phone dial (929) 205-6099 and enter the Meeting ID: 869-755-7180. Participants should remain muted. Direct meeting access links and meeting recordings are available at [www.chesapeakebeachmd.gov](http://www.chesapeakebeachmd.gov).

**I. Call to Order and roll call**

**II. Pledge of Allegiance**

**III. Work Session to discuss the following:**

1. Chesapeake Beach Water Reclamation Treatment Plant replacement of the bus bar and existing motor control center
2. Richfield Station Water Tower branding options

**IV. Council Lightning Round**

**V. Adjournment**

**8200 BAYSIDE ROAD, P.O. BOX 400 CHESAPEAKE BEACH, MARYLAND 20732**

**(410) 257-2230**

**(301) 855-8398**



To: The Honorable Mayor and Town Council

From: Holly Wahl, Town Administrator

Subject: Replacement of the CBWRTP bus bar and existing motor control center

**Date: October 8, 2021**

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## **I. BACKGROUND:**

Staff previously briefed Town Council on an option to make improvements to the electric bus bar at the Water Reclamation Treatment Plant; however, improvements were ultimately not recommended by staff due to the following reasons:

1. **Age:** The motor control center was installed in 1991 at the Plant. Due to the useful life of the equipment, certification is not possible.
2. **Alternation of Equipment during the ENR upgrade:** The equipment was altered during the ENR upgrade, making certification not possible.
3. **Risk:** If this repair is not certified, we will potentially put \$1M worth of equipment at risk.

## **II. SPECIFICATIONS OF PROPOSED UPGRADE:**

The Chesapeake Beach Water Reclamation Treatment Plant staff has worked through another solution that includes replacing the bus bar and existing motor control center.

Option 1:

1. The total of 3 Bus Bars will be replaced on the A, B, and C power Phases for the 5 vertical power columns.
2. The 2 VFD Blowers and backup Blower will be repositioned on separate power verticals to give the Blower 100 HP Motors its own dedicated power source feed.
3. An Allen Bradley Power Monitor 5000 will be installed in the Motor Control Center and enable the WRTP to monitor 80% of all power consumption being used in the Plant. Installing the AB Power Monitor the following will add improved monitoring capability.
  - a. All Power Monitors will be linked together to the Plant's Main Workstation Computers and to the Autonomy Scada System.
  - b. Power Log Data can be recorded on a daily, monthly, and annual schedule for reporting.
  - c. The data will be used to track the Plant's total power consumption in KWH used to enable staff to focus on areas in the Plant to reduce power consumption and lower Power Factors.
  - d. Once item c above is completed then the staff will check areas where Green Energy Alternatives can be used to reduce power consumption farther.
4. All existing equipment in Blower Building such as the Phase Monitoring and Surge Protection will be evaluated and upgraded if needed. All the monitoring equipment will be recorded weekly in the Asset Management Program at the Plant.



5. After the new Bus Bars and modifications are installed, a third-party Electrical Company will inspect and verify the work completed is acceptable and meets all specifications of all equipment to code.
6. An annual inspection will be set up on the Motor Control Center to verify the electric power meets specifications.

Option 2:

A complete replacement of the motor control center at a cost of approximately \$100,000.

### **III. RECOMMENDATION:**

It is recommended that the Town council consider moving forward with this repair, under the Option 1 scenario, during the upcoming Town Council meeting.

Without this repair the Chesapeake Beach Water Reclamation Treatment Plant will not be able to operate at 100%.

**Bailey & Shipp Electric**  
 8229 Cloverleaf Dr. Ste. 460  
 Millersville, MD 21108  
 4105710900  
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## Estimate

### ADDRESS

The Town of Chesapeake  
 Beach  
 8200 Bayside Road  
 P.O. Box 400  
 Chesapeake Beach, MD 20732

ESTIMATE # 9140

DATE 09/09/2021

EXPIRATION DATE 10/09/2021

### SALES REP

Rich Bailey

### JOB NAME

MCC Bus Repair

DATE	ACTIVITY	QTY	RATE	AMOUNT
	<b>Installation</b> B&SE has investigated alongside John Castro of TT of CB where one of the bus bars is damaged within the MCC associated with the sewage pumping station.  The recommendation from B&SE is to remove and replace the damaged copper bus with a new bus bar. This work will require coordination for successful completion. B&SE will provide temporary emergency power while the repair is taking place. Once the old bus bar is removed and the new bar has been replaced, B&SE will provide proper torque requirements for all associated bolts that are re-installed.  Once the repair has been completed, power will be restored to the bus and electrical testing will need to take place prior to re-energizing the equipment.  B&SE will engage a 3rd party inspector to verify the work completed is acceptable and meets specifications of the equipment.  Bus Replacement \$25,000 Testing Budget Estimate \$5,000	1	30,000.00	30,000.00
	<b>Installation</b> MCC Replacement with new equipment budget estimate  \$100,000	0	100,000.00	0.00

PLEASE NOTE:

TOTAL

**\$30,000.00**

- The above estimate is for the scope of work contained within. Any additional work resulting from inspector's requirements, additional requests, or corrections to work performed by other parties will be billed at an additional cost.
- This project may require trenching. Miss utility will be called to mark any public lines. Any unmarked public or private lines affected by trenching are the customers responsibility and will be repaired at their cost. Cost of trenching includes rough back-fill. Final grade and landscape finishing including seed and straw will be the customers responsibility.
- This installation may require drywall to be cut. The repair of drywall is NOT included in this proposal.
- A signed copy (or written affirmation) and deposit are required to schedule.
- Any additional fees charged by the utility company associated to this work are not included and are the customers responsibility.
- There will be a 3% credit card fee applied to payments over \$2000.

Accepted By

Accepted Date



To: The Honorable Mayor and Town Council  
Subject: Richfield Station Water Tower Branding

From: Holly Wahl, Town Administrator

**Date: October 8, 2021**

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## **I. BACKGROUND:**

The Town of Chesapeake Beach issued a RFP to make improvements to the Richfield Station water tower. As a part of those improvements the Town received pricing for branding the water tower with the Town logo.

Over the last several months Town staff has been coordinating with the contractor awarded the bid, K&K Painting, to review the specifications of the tower and to determine design ideas that could work for the dimensions of the tower.

Staff worked with a local designer to come up with several options that were provided to the installer to generate a rendering to determine any perspective issues with the designs.

## **II. DESIGNS:**

The following (2) two designs work the best as options, based on the dimensions of the tower.

### **OPTION 1:**

### **OPTION 2:**



## **III. COST DIFFERENTIAL:**

Option 1 will cost the Town an additional \$15,000 due to the wrap around design effect and increase in labor to install, Option 2 is covered under the RFP scope of work with (2) two logos placed.



#### IV. **RECOMMENDATION:**

If Town Council would like to stay with the awarded contract amount, we should install Option 2. If Town Council would like to consider Option 1, for a wrap around effect, the Town Council could consider a change order in the amount of \$15,000 for the additional costs for installation based on public feedback.