BERKELEY COUNTY GOVERNMENT
COMMITTEE ON PUBLIC UTILITIES - REGULAR AGENDA
DECEMBER 12, 2022

County Administration Building **6:02 PM**
1003 Highway 52, Moncks Corner, SC 29461

Chairman
Tommy Newell

Committee Member	**Committee Member**	**Committee Member**
Dan Owens	Vacant	Steve Davis
Committee Member	**Committee Member**	**Ex-officio**
Joshua Whitley	Jack Schurlknight	Johnny Cribb
Committee Member	**Committee Member**	
Phillip Obie	Caldwell Pinckney	

In accordance with the Freedom of Information Act, the electronic and print media were duly notified.

Electronic Participation Authorized

1. CALL TO ORDER

2. APPROVAL OF MINUTES

2.a Committee on Public Utilities - Minutes from November 14, 2022
2022_1114_PU.pdf

3. INFORMATION ITEM

3.a Reduction in SRF Loan Amount for Mt. Holly Commerce Park Improvements
(Rich Marchand, BCWS Deputy Director)

3.b Red Bank Road Discussion on Delays and Added Costs
(Mr. Doug Tompkins, BCWS Director)
RBR Narrative 11-28-22.docx

4. AGENDA ITEMS

4.a
Status and Update on RePower South Facility

(Mr. Brian Gilhuly, RePower South CEO)

4.b Red Bank Road Change Order for extending the Pipe Bursting Project
(Doug Tompkins, BCWS Director)
bypass.png
CO4.pdf

4.c Lower Berkeley Wastewater Treatment Plant Clarifier Repair
(Doug Tompkins, BCWS Director)
clarifier 1.jpg
clarifier 2.jpg
clarifier 3.jpg
clarifier 4.jpg
Combs Technologies Clarifier Trough Quote_Lower Berkeley WWTP.pdf
LBWWTP Primary Clarifier Collection Troughs EI.pdf

5. CONSIDERATION PRIOR TO FIRST READING

5.a
BILL NO. 22-101, AN ORDINANCE TO TRANSFER REAL ESTATE LOCATED AT OR NEAR 2482 HIGHWAY 52 AND IDENTIFIED BY TMS# 197-00-01-013 TO ADDLESTONE INTERNATIONAL CORPORATION.

(Mr. Rich Marchand, BCWS Deputy Director)

5.b **BILL NO. 22-102, AN ORDINANCE TO AMEND ORDINANCE 08-12-71, SECTION 65-75, TO LIMIT THE MANDATORY CONNECTION TO PUBLIC WASTEWATER REQUIREMENT.**

6. ADJOURNMENT

Amanda D. Turner

Amanda D. Turner, Clerk To Council

BERKELEY COUNTY
SOUTH CAROLINA

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic:	Committee on Public Utilities - Minutes from November 14, 2022
Prepared By:	Shelley Forest, County Council
Date:	December 12, 2022

Attachment(s):
2022_1114_PU.pdf

COMMITTEE ON PUBLIC UTILITIES
(Standing Committee of Berkeley County Council)

Chairman: Mr. Tommy Newell, Council District No. 4

A **regular meeting** of the **Committee on Public Utilities**, Standing Committee of Berkeley County Council, was held on **Monday, November 14, 2022**, at 6:49 p.m., in the Assembly Room, Berkeley County Administration Building, 1003 Highway 52, Moncks Corner, South Carolina.

PRESENT: Mr. Tommy Newell, Chairman, Council District No. 4; Mr. Dan Owens, Committee Member, Council District No. 1; Mr. Josh Whitley, Committee Member, Council District No. 2; Mr. Phillip Obie, II, Committee Member, Council District No. 3; Mr. Jack Schurlknight, Committee Member, Council District No. 6; Mr. Caldwell Pinckney, Jr., Committee Member, Council District No. 7; Mr. Johnny Cribb, County Council Chairman, *ex-officio* Supervisor; Mr. John O. Williams, II, County Attorney; and Mrs. Amanda D. Turner, Clerk to Council. Mr. Steve Davis, Committee Member, Council District No. 8, was excused. VACANT: Council District No. 5.

During periods of discussion and/or presentations, minutes are condensed and paraphrased. Video coverage of the full meeting is available on the Berkeley County Government website.

ELECTRONIC PARTICIPATION AUTHORIZED

1. CALL TO ORDER

Chairman Tommy Newell called the meeting to order.

In accordance with the Freedom of Information Act, the electronic and print media were duly notified.

2. APPROVAL OF MINUTES

Chairman Newell asked for approval of minutes from the Regular Committee on Public Utilities meeting held on October 10, 2022, which have been previously distributed.

It was moved by Committee Member Obie and seconded by Committee Member Owens to **approve the minutes as presented**. The motion **passed** by unanimous voice vote of the Committee.

DRAFT

3. AGENDA ITEMS

3.a. Pump Station #7 Force Main Change Order

Mr. Rich Marchand, BCWS Deputy Director, stated that this is a Change Order for Pump Station #7. He stated that we needed some extra fittings to make a connection that were not in the original Project. It is very reasonable install costs for this.

It was moved by Committee Member Schurlknight and seconded by Committee Member Whitley to **approve** Issuing a **Change Order for required extra Surveying and Fittings** for the **Pump Station #7 Force Main Project Order,** in the amount of **$14,782.28.00,** from SRF and R&R Funds. The motion **passed** by unanimous voice vote of the Committee.

3.b. SCIIP Grant Award A-23-E001

Mr. Marchand stated that this is a grant for the Camp Hall Sewer Project. He stated that we are trying to design with a million gallons per day to get the Lower Berkeley Wastewater Treatment Plant. This is in lieu of the project that was going to go to Central that was costing around $80 million. So, this is Plan B to get about a third of the flow, and we estimate the cost to be approx. $42 million for the total project. He stated that we are currently pursuing other grant sources to finish the funding for this.

It was moved by Committee Member Pinckney and seconded by Committee Member Whitley to **approve** Accepting the **SCIIP Grant Award A-23-E001 for Funding Improvements to Convey Wastewater from Camp Hall Commerce Park to the Lower Berkeley Wastewater Treatment Plant,** in the amount of **$38,584,770.00**. The remaining balance of the Project will be funded via other grants The motion **passed** by unanimous voice vote of the Committee.

3.c. Cane Bay Water Tower Engineering Contract Change Order

This item was **withdrawn** per the Chairman.

3.d. Lower Berkeley Wastewater Treatment Plant Aeration Basin #2 Clean-Up Expense

Mr. Doug Tompkins, BCWS Director, stated that with regards to the Lower Berkeley Wastewater Treatment Plant expansion, we have had to drain Aeration Tank 2 to put a new aeration system in there. In August, we had a big rain before the hurricane. We had some overflow from Tank 1 and Tank 2. We had BCWS personnel assisting the contractor in cleaning the refuse on a Tank 2. They came up with a cost and said that they were done. They went in later and had to do additional clean-up. He stated that, after discussing with the consultant, it was decided that we would split the cost for the second portion of the clean-up.

It was moved by Committee Member Schurlknight and seconded by Committee Member Pinckney to **approve reimbursing Haren Construction for the Lower Berkley Wastewater Treatment Plant Aeration Basin #2 Clean-Up Expense,** in the amount of **$9,263.50**. The motion **passed** by unanimous voice vote of the Committee.

4. ADJOURNMENT

It was moved by Committee Member Whitley and seconded by Committee Member Pinckney to **adjourn** the Committee on Public Utilities meeting. The motion **passed** by unanimous voice vote of the Committee.

The meeting **adjourned** at 6:55 p.m.

December 12, 2022
Approval Date

BERKELEY COUNTY SOUTH CAROLINA

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic:	Reduction in SRF Loan Amount for Mt. Holly Commerce Park Improvements
Prepared By:	Doug Tompkins, Water & Sanitation
Date:	December 12, 2022

Financial Impact:	Reduced quarterly debt service payments
Background:	SRF loans have a 10% contingency built in. Due to low bid and lack of significant change orders, the total loan amount was not needed.
Discussion:	After final draw, total loan amount is $901,145.00 less than anticipated.
Recommendation:	For information only
Attachment(s):	

BERKELEY COUNTY
SOUTH CAROLINA

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic:	Red Bank Road Discussion on Delays and Added Costs
Prepared By:	Doug Tompkins, Water & Sanitation
Date:	December 12, 2022

Financial Impact:	Once negotiations are complete and final costs are agreed upon, budget will need to be adjusted to cover overage
Discussion:	This future Change Order has come about due to delays created by SCDOT. We had a 2-lane closure encroachment permit approved prior to bidding, so that the bidders knew what area they would be able to work in. At the pre-construction meeting, SCDOT decided that they could not allow 2 lanes to be closed for that extended period of time. Negotiations went on for 3 months to cure this problem. In the meantime, the Contractor (PUCC) started installing the bypass with a 1-lane closure. They now say that this hampered their progress. Ultimately, SCDOT did approve the 2- lane closure. Detailed discussion attached.
Recommendation:	For information only at this time

Attachment(s):
RBR Narrative 11-28-22.docx

Berkeley County Water and Sanitation (BCWS) has contracted with Michael Baker International (MBI) and Portland Utilities Construction Company (PUCC) to repair the 36-inch gravity main along Redbank Road from approximately the location near the fire station to the intersection with Henry Brown Blvd. This section of Gravity Main has capacity issues that has resulted in several sanitary sewer overflows.

The scope of the project included installing bypass piping along Redbank Road to divert the flow while the pipe located underneath the road can be repaired. The most cost-effective method of repair that will minimize the amount of road resurfacing is a "pipe bursting" method that uses an expanding bursting head that will crush the pipe in an outward direction as a new HDPE pipe is pulled in behind the bursting head. This method of repair is not new but requires specialized equipment that few construction companies possess especially for large diameter pipe.

This project has incurred significant delays and challenges which will have a large impact on the project cost. The most significant impact is a change required from SCDOT to only allowing a one lane road closure during the installation of the bypass when an original two-lane closure was planned and approved by SCDOT. On March 29, 2022, PUCC notified BCWS/MBI that these delays will result in additional costs and provided actual cost amounts on October 21,2022. SCDOT has finally approved a two-lane closure, allowing the project to move forward. Other challenges include the discovery of badly corroded pipe where the bypass piping tie-in was originally planned, requiring the investigation and the movement of the bypass tie-in location by approximately 260 feet. This issue is being covered under a separate County Council Item and change order.

PUCC has requested a series of change orders to address these issues, along with some possible issues with a storm drain crossing near the High School, the replacement of the extra 260 feet of corroded piping, and extra allowances for road repair that may be encountered during the rest of the project. The total requested change orders from PUCC for the project delay, storm drain crossing, and road repair allowances is $2,583,102. (260 foot repair covered separately)

BCWS and MBI do not agree with the amount of the proposed change orders and are currently in negotiations with PUCC to achieve a reasonable and equitable agreement.

Possible solutions:

1. Cancel Project and re-bid. This solution would further delay much needed repairs to the sewer main under Redbank Road and based on current pricing, BCWS and MBI estimate the project would cost 15-20 percent more than the average of the current bids that we obtained originally. ($12.5M compared to current bid of $8.36M) BCWS has already spent $3M on the project, this would result in an effective cost of $15.5M for this option.

2. Continue with project and negotiate equitable and fair additional costs. BCWS an MBI estimate this cost to be $1.26M, however PUCC still ascertains they believe they are entitled to the $2.583M they originally asked for.

BCWS and MBI Recommendation:

Option 2 is still the most cost-effective solution that will make a significant and lasting repair to the gravity sewer main along Redbank Road.

4.a

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic: Status and Update on RePower South Facility

Prepared By: Amanda Turner, County Council

Date: December 12, 2022

Attachment(s):

BERKELEY COUNTY
SOUTH CAROLINA

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic:	Red Bank Road Change Order for extending the Pipe Bursting Project
Prepared By:	Doug Tompkins, Water & Sanitation
Date:	December 12, 2022

Financial Impact:

This is an SRF project with a 10% contingency, which will cover these 2 Change Orders

Background:

A line stop has to be installed at the beginning of the pipe bursting operation to divert flow from existing pipe to an above ground pipe so that pipe to be bursted is empty. At this location the existing pipe was too deteriorated to install the line stop. The contractor had to go back 260 feet to find good pipe for the installation of the line stop. Council previously approved a Change Order (CO) for $276,034.56 for the purchase of the 260 feet of pipe and the extension of the bypass. The pipe was ordered due to long lead times while we negotiated the installation cost. This CO is for $399,290.06. The 260 feet of pipe will be installed by open cut which will require repair to the asphalt surface. Adding the first CO brings this extension cost to $675,324.62. The original rejected CO was for $948,596.67 (a $273,272.05 reduction)

Recommendation: Approve the Change order for $399,290.06 to PUCC due to required extension of the Project

Attachment(s):
bypass.png
CO4.pdf


Google Earth

EJCDC
ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

Change Order No. 04

Date of Issuance:
Owner: Berkeley County
Contractor: Portland Utilities Const. Company, LLC
Engineer: Michael Baker International, Inc.
Project: Red Bank Gravity Upgrade

Effective Date: 11/17/2022
Owner's Contract No.: BCWS-03-21/22
Contractor's Project No.: 2116
Engineer's Project No.: 177612
Contract Name: Red Bank Road Gravity Upgrade

The Contract is modified as follows upon execution of this Change Order:

Description: The proposed project tie-in location to the existing DIP Sewer Force Main is not capable of being tapped due to pipe degradation. A new tie-in location was identified approximately 260 LF upstream. This change order will cover the replacement of 260 LF of existing force main, and related contract time extension to account for additional scopes of work and delays associated with the SCDOT Encroachment Permit. See Portland Utilities requested Change Order cost, and the recommended approval of certain line items on the attached sheet as shown below.

Attachments: *[List documents supporting change]*
PUCC CO #04 Cost

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: $ 8,360,337.88	Original Contract Times: Substantial Completion: 210 Days Ready for Final Payment: 240 Days days or dates
[Increase] [Decrease] from previously approved Change Orders No. 02 to No. 03: $ -36.00	[Increase] [Decrease] from previously approved Change Orders No. ___ to No. ___: Substantial Completion: N/A Ready for Final Payment: N/A days
Contract Price prior to this Change Order: $ 8,360,301.88	Contract Times prior to this Change Order: Substantial Completion: 210 Days Ready for Final Payment: 240 Days days or dates
[Increase] [Decrease] of this Change Order: $ 399,290.06	[Increase] [Decrease] of this Change Order: Substantial Completion: 180 Days Ready for Final Payment: 180 Days days or dates
Contract Price incorporating this Change Order: $ 8,759,591.94	Contract Times with all approved Change Orders: Substantial Completion: 390 days Ready for Final Payment: 420 Days days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Project Manager	Title _____	Title _____
Date: 11/17/2022	Date _____	Date _____

Approved by Funding Agency (if applicable)

By: _____ Date:
Title: _____

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic:	Lower Berkeley Wastewater Treatment Plant Clarifier Repair
Prepared By:	Doug Tompkins, Water & Sanitation
Date:	December 12, 2022

Financial Impact:	Cost of new trough $69,900.00 / Funding source will be R&R
Background:	Lower Berkeley WWTP primary grit removal process basin requires replacement of trough due to age and deterioration/damage. This is the replacement of one of six troughs. The remaining five will be budgeted in CIP for replacement next year. We were able to obtain 2 quotes: E&I -$101,500.00 / Combs- $69,900.00
Recommendation:	Update- Approve purchase of replacement trough from Combs, in the amount $69,900.00

Attachment(s):
clarifier 1.jpg
clarifier 2.jpg
clarifier 3.jpg
clarifier 4.jpg
Combs Technologies Clarifier Trough Quote_Lower Berkeley WWTP.pdf
LBWWTP Primary Clarifier Collection Troughs EI.pdf





Combs Technologies, Inc.

7001 St. Andrews Road, PMB 223
Columbia, SC 29212
843-260-2840
jhunt@combs-associates.com

QUOTE

Date: October 21, 2022

To: Mr. Henry Wright and Mr. Jakob Koeniger

Re: Lower Berkeley WWTP
Rectangular Collector Collection Trough Replacement

Per your request, we are pleased to quote the following scope of supply and pricing for the replacement of (1) of the existing FRP troughs at your Lower Berkeley WWTP.

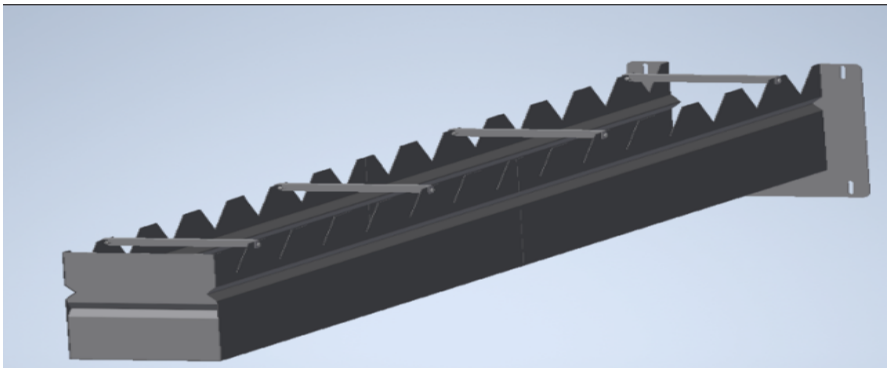
One (1) **Rectangular Clarifier Effluent Trough**

Description: The trough will be 24" x 24" x 75' long, flat bottom. The trough includes an adjustable v-notch weir on each side. Adjustable in height +/- 1 inch. Designed for longitudinal assembly in the tank. The trough will be placed along the tank and mounted to the service platform and/or support beams as required (all required supports/hardware is by others).

Materials and Surface Treatment: 316SS. All material below and/or above water is delivered passivated. Fasteners such as screws, nuts, bolts, washers etc. will be delivered A4-classified Anchor bolts will be for chemical fastening and delivered A4-classified

Warranty: Twelve (12) months from delivery.

Excluded: Support beam(s) over collection troughs along with any required hardware are not included.



One (1) Day Onsite for Installation Inspection.

Total Price: ----------$69,900.00

Combs Technologies, Inc.

7001 St. Andrews Road, PMB 223
Columbia, SC 29212
843-260-2840
jhunt@combs-associates.com

Terms:
Net 30 days from delivery.
Pricing is valid for 30 days.
No permits, bonding, fees or any other regulatory paperwork provided. All permits, bonding, special taxes and fees to be covered by others. No wire, conduit, etc. is included unless specifically stated in our scope. No installation of any kind is included in our pricing, unless specifically stated otherwise. Unless an item is specifically included in our scope, then it is not included in our pricing.
Any required videotaping is by others.
No taxes are included in our pricing, add taxes as necessary.
Freight is included in our pricing.
Purchase orders at our direction.

Sincerely,



Jonathan P. Hunt, PE

E & I Corporation
a Division of McNish Corporation

PROPOSAL

Date: 10-6-22
Project: Goose Creek, SC - Lower Berkeley WWTP
Attn: Henry Wright

We are pleased to submit this proposal as our offer to sell and furnish the following equipment:

Option 1 - (1) Effluent Trough approximately 24" x 24" x 75'-0"

Option 2 - (6) Effluent Troughs approximately 24" x 24" x 75'-0" each

If we can furnish any clarifications or additional information, please contact our Representative, Jonathan Hunt with Combs & Associates, Inc., at 843-260-2840. We look forward to the opportunity of working with you during the course of this project.

Sincerely,

Kyle Fox

Kyle Fox
Applications Engineer
E & I Corporation

214 Hoff Rd. - Suite M
Westerville, Ohio 43082
1-614-423-3521

SCOPE OF SUPPLY

Option 1 - (1) Effluent Trough – approximately 24" x 24" x 75'-0"
Option 2 - (6) Effluent Troughs – approximately 24" x 24" x 75'-0" each

These units are to be supplied complete with all machinery parts including:

- Effluent Troughs and Weirs, 304 Stainless Steel
- Support angles, 304 Stainless Steel
- Anchors & Fasteners, 304 Stainless Steel

Not Included: Paint, field installation, or guard railing.

SPARE PARTS:

- None Required

PRICE:
Option 1: Total Price - $ 101,500.00 FOB factory with freight allowed to jobsite.

Option 2: Total Price - $ 597,500.00 FOB factory with freight allowed to jobsite.

***Pricing is valid for 30 days from the date of this proposal.**

CLARIFICATIONS AND EXCEPTIONS:

- E & I is furnishing its standard equipment in accordance with its own engineering and manufacturing standards as outlined in this offer to sell and as will be covered by final approval drawings. The equipment may not be in strict compliance with the Engineer's/Owner's plans, specifications, or addenda as components or design details may differ slightly from those specified of another manufacturer but will, however, meet the functional intentions of the mechanical specifications.

FIELD SERVICE

One (1) Trip of (1) Service Day

SHOP PAINTING:

All fabricated carbon steel shall be prime painted - SSPC10 with (1) one prime coat Tnemec 66-1211 Red at 3-5 mils DFT

All machinery items i.e. reducers, motors, controls, bearings, sprockets, couplings etc. will be furnished with the vendor's standard paint.

Aluminum, stainless steel, galvanized steel, plastic and other special materials will not be shop painted.

FASTENERS:

All fasteners will be Type 304 Stainless Steel.

ANCHORAGE:

All anchorage will be Type 304 Stainless Steel.

ESTIMATED SCHEDULE:

Based on current deliveries by suppliers and our projected work load, we estimate that we can ship fabricated materials in accordance with the schedules listed below. Approval Schedule is shown in weeks after receipt of order with complete information. SCHEDULE COMMITMENTS ARE SUBJECT TO REVISION AND MUST BE CONFIRMED AT TIME OF ORDER.

Submittal of Approval Drawings . . . . . 6 - 8 weeks
Shipment, after Receipt of Approval . . . . 16 - 20 weeks

EXCLUSIONS:

The following are not included in this offering.

1. Unloading, hauling or storage
2. All electrical controls, alarms and wiring except as specified above
3. Lubricating oil or grease
4. Piping unless specifically noted above
5. Field painting
6. Finish coat painting
7. Welding
8. Concrete work or erection
9. Embedded items
10. Shims/Shim Sets
11. Labor and materials to repair defects in galvanized or painted surfaces caused from shipping, handling or installation
12. Tools (no special tools required)

BERKELEY COUNTY
SOUTH CAROLINA

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic: **BILL NO. 22-101, AN ORDINANCE TO TRANSFER REAL ESTATE LOCATED AT OR NEAR 2482 HIGHWAY 52 AND IDENTIFIED BY TMS# 197-00-01-013 TO ADDLESTONE INTERNATIONAL CORPORATION.**

Prepared By: Richard Marchand, Water & Sanitation

Date: December 12, 2022

Financial Impact: None

Background: Land swap for Pump Station 94 project

Recommendation: Approval of Transfer

Attachment(s):

BERKELEY COUNTY
SOUTH CAROLINA

STAFF SUMMARY
FOR COMMITTEE ON PUBLIC UTILITIES - REGULAR

Topic: **BILL NO. 22-102, AN ORDINANCE TO AMEND ORDINANCE 08-12-71, SECTION 65-75, TO LIMIT THE MANDATORY CONNECTION TO PUBLIC WASTEWATER REQUIREMENT.**

Prepared By: Amanda Turner, County Council

Date: December 12, 2022

Attachment(s):