

## FRIPP ISLAND PUBLIC SERVICE DISTRICT

Tuesday, November 9, 2021  
Fripp Island Fire Station  
Electronic Meeting Via Zoom for General Public  
9:30 a.m.

### Zoom Info:

Join from PC, Mac, Linux, iOS or Android:

<https://us02web.zoom.us/j/86251283290>

Or iPhone one-tap (US Toll): +19292056099,, 86251283290#  
+13017158592,, 86251283290#

Or Telephone:

Dial: +1 301 715 8592 (US Toll) or +1 312 626 6799 (US Toll)  
Meeting ID: 862 5128 3290

### AGENDA

1. Call to Order
  - Confirmation of the presence of a quorum
  - Confirmation of public meeting notice, as required by the SC Code of Laws *30-4-80(A)*.
2. Pledge of Allegiance
3. Approval of Commission Meeting Minutes
  - October 2021 Regular Meeting
4. Rate Study Pricing Objectives Exercise – Confluence Consulting LLC
5. Reports
  - Fiscal Year 2021 Audited Financial Statements – Webster Rogers LLP
  - Manager's Report for October 2021
    - September 30, 2021 Unaudited Financial Statements*
  - Fire Department Report for October 2021
  - Other
6. Old Business
7. New Business
  - Upgrades to WWTP PLCs, SCADA and Computer Systems
8. Questions and Comments from Visitors
  - FIPOA Representative
9. Executive Session
  - Legal & Contractual Matters Pertaining to the Hunting Island Booster Pump Station Upgrade and Water Tank Leases
10. Upon returning to public session, the Commission may take such action(s) as it deems appropriate on the items discussed in executive session.
11. Adjourn

## FRIPP ISLAND PUBLIC SERVICE DISTRICT

**Minutes:** Commission Meeting on November 9, 2021 – electronically via ZOOM

**Present:** Dan H. McCormick, Rick E. Keup, Dennis Perrone, John F. King, Edward D. Wetzel, Michael J. Wilt

**Absent:**

**Staff:** Angie Hughes, District Manager; Joshua Horton, Fire Chief; Yvonne Fireall, Office Manager

**Guests:** Chuck Talbert (Webster Rogers LLP), Bobby Beard (Webster Rogers LLP), Phil Waters (Lowcountry Engineering), Frank Davis (Confluence Consulting LLC), Jack Sims, Gary Nizzi, John Marsh (POA)

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1. Chairman McCormick called the meeting to order at 9:30 a.m., confirmed the presence of a quorum and confirmed that all requirements of the SC Code of Laws, Section 30-4-80, pertaining to the notice of meetings of public bodies, have been met for this meeting.
2. Chairman McCormick led the Commission in the Pledge of Allegiance.
3. The Commission approved the minutes for the October 2021 regular Commission meeting, upon a motion by Mr. Wetzel (Vote: unanimous).
4. The Commission entertained comments from Chuck Talbert of Webster Rogers LLP, regarding the audit of the District's financial records for fiscal year 2021. (*Att A*)
5. The Commission entertained comments from Frank Davis of Confluence Consulting LLC, regarding rate study pricing objectives. (*Att B*)
6. Reports
  - a) The Commission reviewed the Manager's Report for October 2021 and the September 30, 2021 unaudited financial statements. (*Att C*)
  - b) The Commission reviewed the Fire Department Report for October 2021. (*Att D*)
7. Old Business
8. New Business
  - a) The Commission reviewed and discussed quotes for upgrades to the WWTP PLC's, SCADA and computer systems and deferred action until further information could be obtained from the vendors and engineering consultants regarding the upgrades. (*Att E*)
9. The Commission entertained questions and comments from visitors.
10. The Commission entered executive session to discuss legal and contractual matters pertaining to the Hunting Island Booster Pump Station upgrade and water tank leases at 11:22 a.m., upon a motion by Mr. Keup (Vote: unanimous). The Commission resumed open session at 12:03 p.m., upon a motion by Mr. Keup (Vote: unanimous).

11. The Commission rejected the sole bid received for the Hunting Island Booster Pump Station Upgrade project as recommended by the project engineer, agreed to separate the site prep work from the remainder of the project, and instructed the District Manager to procure quotes for the site prep work and rebid the remainder of the pump station project, upon a motion by Mr. King (Vote: unanimous). (*Att F*)

12. There being no further business, the meeting adjourned at 12:05 p.m., upon a motion by Mr. Keup (Vote: Unanimous).



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Dan H. McCormick  
Chairman



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Angel L. Hughes  
Secretary

FRIPP ISLAND PUBLIC SERVICE DISTRICT  
FINANCIAL STATEMENTS AND REQUIRED SUPPLEMENTARY  
INFORMATION

YEAR ENDED JUNE 30, 2021

[CLICK HERE TO VIEW DOCUMENTS](#)

**Fripp Island Public Service District**  
**Pricing Objectives Exercise**  
**Pricing Objectives Definitions**

PRICING OBJECTIVES	DEFINITIONS
Affordability to Disadvantaged Customers	Impact of cost increases or changes to a rate structure on economically disadvantaged customer groups.
Conservation/Demand Management	Degree to which rate structure promotes the optimal use of available water resources. Conservation can include objectives to increase the efficient use of water, promote peak demand levels, and to reduce average consumption per customer.
Competitiveness and Economic Development	Degree to which structure is competitive with similar and local neighbor utilities and provide for favorable potential impact on existing and prospective commercial customers.
Ease of Understanding	Ability for rate structure to be explained in a manner that is can be understood by customers as well as elected officials and other stakeholders.
Equity Among Users and Fairness	The ability to recover costs from customers or customer classes in proportion to the costs of providing services to those customers.
Impact on Customers	The extent to which customers or customer classes will be impacted after implementing a rate structure.
Ease of Implementation	Level of ease or difficulty in implementing rate structure considering the availability of needed data, ability of billing system to accommodate changes, impact on customer service procedures, and future rate updates.
Legality and Litigation Potential	Degree to which a rate structure achieves compliance with and consistency with relevant local, state, and federal laws and regulations, applicable court decisions, and specific contracts. Also includes the potential a rate structure might be challenged.
Rate Stability	The degree to which rate continuity is maintained over time and avoids erratic changes to rates and charges from time to time.
Revenue Stability	The ability of the rate structure to generate stable and predictable revenues annually.

**Fripp Island Public Service District**  
**Pricing Objectives Exercise**  
**Scoring Sheet (Sample)**

PRICING OBJECTIVES	Essential (choose only 2)	Very Important (choose only 2)	Important	Least Important
Affordability to Disadvantaged Customers			✓	
Conservation/Demand Management		✓		
Competitiveness and Economic Development				✓
Ease of Understanding				✓
Equity Among Users and Fairness	✓			
Impact on Customers			✓	
Ease of Implementation	✓			
Legality and Litigation Potential			✓	
Rate Stability				✓
Revenue Stability		✓		

## FRIPP ISLAND PUBLIC SERVICE DISTRICT MANAGER'S REPORT FOR OCT 2021

### I. Tap-Ins

<u>Category</u>	FY 2022		FY 2021		FY 2020	
	<u>Oct</u>	<u>YTD</u>	<u>Oct</u>	<u>YTD</u>	<u>Oct</u>	<u>YTD</u>
Water customers	2	8	2	2	-	-
Sewer customers						
a. Gravity	2	7	2	2	-	-
b. Vacuum	-	1	-	-	-	-

Total vacuum sewer customers: 580 of 726

### II. Routine Operations

#### 1. Butcher's Island and Hunting Island Booster Pumps Average Daily Run Time for Oct

	<u>2021</u>	<u>Diff</u>	<u>2020</u>	<u>Diff</u>	<u>2019</u>	<u>Diff</u>	<u>2018</u>
Butcher's Isl Pumps Hrs/Day	3.8	(0.1)	3.9	0.4	3.5	0.1	3.4
Hunting Isl Pumps Hrs/Day	<u>7.4</u>	<u>(0.4)</u>	<u>7.8</u>	<u>0.9</u>	<u>6.9</u>	<u>0.2</u>	<u>6.7</u>
Total Hrs/Day	11.2	(0.5)	11.7	1.3	10.4	0.3	10.1

#### 2. Fripp Island Master Metered Water Use for Oct, Average Gallons per Day

	<u>2021</u>	<u>% Change</u>	<u>2020</u>	<u>% Change</u>	<u>2019</u>	<u>% Change</u>	<u>2018</u>
BJW&SA	549,290	(4.6)	576,065	4.9	549,290	(0.7)	553,344
Harbor Island	76,865	(3.2)	79,387	3.2	76,942	(32.6)	114,197
Hunt Island	8,310	(12.6)	9,503	14.6	8,294	(28.0)	11,513
Frapp Island	457,032	(3.1)	471,742	3.2	457,097	6.3	430,125
Accountability,%	98.7	N/A	97.3	N/A	98.7	N/A	100.6
Rainfall, Inches	7.1		1.5		7.9		3.6

#### 3. Fripp Island Water Consumption – Recorded vs. Billed (in 1,000 gals.)

	<u>Annual</u>	<u>Qtr 3</u>	<u>Qtr 2</u>	<u>Qtr 1</u>	<u>Qtr 4</u>
	<u>Total</u>	<u>2021</u>	<u>2021</u>	<u>2021</u>	<u>2020</u>
Frapp Master Meter	171,708	59,221	50,892	25,381	36,214
Billed Water	<u>157,219</u>	<u>53,521</u>	<u>46,755</u>	<u>23,178</u>	<u>33,765</u>
Total Unbilled Water	14,489	5,700	4,137	2,203	2,449
Unbilled Water Percent	8%	10%	8%	9%	7%
Flushing/Unbilled Accts	<u>1,653</u>	<u>668</u>	<u>376</u>	<u>204</u>	<u>404</u>
Unaccounted for Water	12,836	5,032	3,760	1,999	2,046
Unaccounted for Percent	7%	8%	7%	8%	6%

#### 4. The water tank levels and water line pressures were normal for Oct.

#### 5. Wastewater Treatment Plant Flow for Oct, Gallons per Day

	<u>2021</u>	<u>% Change</u>	<u>2020</u>	<u>% Change</u>	<u>2019</u>	<u>% Change</u>	<u>2018</u>
Average Daily Flow	234,545	17.7	199,300	(7.1)	214,515	39.6	153,632
Weekly Max Flow	275,000	22.2	225,000	(16.0)	268,000	45.7	184,000
Peak Daily Flow	349,177	35.0	258,568	(34.2)	392,720	86.9	210,110

Peak daily flow of 349,177 occurred on Sun., 10/10/21, without rain. For Oct. 2020, peak daily flow occurred on Sat., 10/03/20, without rain. For Oct. 2019, peak daily flow occurred on Sun., 10/20/19, with 2.3 inches of rain. For Oct. 2018, peak daily flow occurred on Wed., 10/18/18, without rain.

6. The water system and wastewater treatment plant samples were satisfactory for Oct.

### III. Emergencies, Special Field Work and Activities

#### 1. Water System

- a) Much of the northern half of SC was upgraded to a drought status of Abnormally Dry during October, but Beaufort County and surrounding counties remained at Normal status.
- b) District field operators performed miscellaneous water system maintenance consisting of water line and meter repairs during the month of October.
- c) On October 12<sup>th</sup> and 13<sup>th</sup>, samples were taken from the 200k gallon tank at the front of the island, and following satisfactory results, the tank was placed back in service after repairs and repainting done in September.
- d) Replacement of the three expansion joints on the waterline suspended from the Fripp Inlet bridge was recommended following the waterline inspection in October 2020. Quotes were procured and the estimated expense included in the budget for fiscal year 2022. This work is planned for the first week in January.

#### 2. Wastewater System

- a) Field operators repaired pumps and inspected sewer tie-ins at various locations during October.
- b) On October 19<sup>th</sup>, a new sewage pump was installed at the Marina pump station to replace one of the pumps originally installed in 1998. The second pump will be replaced in the next month.

#### 3. Hunting Island Booster Pump Station Rehab – We’re still waiting on the easement from the state. The pump station purchase order was issued on October 12<sup>th</sup>. Project schedule appears below, contingent upon Commission decision to award the contract:

Commission Approval of Bid	November 9
Notice of Intent to Award	
Contract Award	November 24
Construction	November 29-March 31
Pump Station Manufacture	October 29-March 4
Project Close-out	March 31-April 14

#### 4. Cost of Service & Rate Study – A kickoff meeting took place on October 20<sup>th</sup>. A rate objectives exercise, with input from all Commissioners, will be reviewed and explained at the November Commission meeting. All requested data has been provided to the consultant. The project schedule appears below:

Complete Study (90 days)	January 14, 2022
Presentation to Commission	February 8, 2022

#### 5. Fripp Inlet Bridge –

- a) Peek Pavement Markings reattached the reflector that came loose on the bridge and verified that the other reflectors were attached properly in October. The cost of the work was \$3,703.15. Total cost of the bridge rehab project, including legal and engineering fees, construction, cleaning and restriping was \$2,705,000. GO bond funds remaining in the bridge construction fund total \$263,980 and can be used for bridge-related capital outlay.
- b) Management has requested that the insurance agent used in previous years for procurement of bridge insurance begin the process of procuring quotes. Updates will be provided as information comes available.
- c) JMT Inc. intends to schedule the annual bridge inspection in December or January. This is a full inspection consisting of an above-water inspection with a snooper truck, underwater inspection and a hydrographic survey. The inspection will be a task order under the 2014 general services contract at a



cost of \$57,300. JMT quoted this price in March and the amount was included in the budget for bridge maintenance.

6. Cybersecurity & IT Support

a) The District's main accounting software and databases must be moved to an upgraded Windows 10 computer before the Windows 7 computer that operates as the District's server can be removed from service. This process must be coordinated with our software vendor to prevent loss of use and data and is tentatively scheduled for mid-November. One computer at the WWTP has been upgraded to Windows 10, but Suez (previously GE Zenon) has informed the District that the software that runs the PLCs is not compatible with Windows 10 and in order to upgrade the software, the firmware on the PLCs must be updated. Additionally, the SCADA software is incompatible with Windows 10 and must be upgraded. Quotes for the necessary software upgrades have been requested. MR Systems, the company that installed the PLCs in 2015, has recommended replacement of all the PLC hardware because all are at "end of life". Quotes for these replacements have been requested. Multifactor authentication login to the treatment plant and office network is scheduled for implementation in November. The recommendations made by Cyber Risk Analysis Group should be implemented by the end of the year, provided that the hardware/firmware/software upgrades can be completed within that time frame.

b) Cyber Liability Insurance – a second application for cyber liability insurance has been completed and submitted, but until multifactor authentication has been implemented across the board for all sensitive systems and across all devices, most companies will not provide quotes for coverage. Management is working with CRAG to implement these security measures as quickly as possible.

7. America's Water Infrastructure Act of 2018 requires that community water systems create a Risk & Resilience Assessment and certify it to the EPA by June 30, 2021 and update their Emergency Response Plan and certify it to the EPA within six months after the RRA certification. The District certified the RRA on June 28, 2021 and will be required to certify the updated Emergency Response Plan by December 28, 2021.

**FRIPP ISLAND PUBLIC SERVICE DISTRICT**

July 1, 2021 through September 30, 2021

**Statement of Revenues & Expenses**

**Water & Wastewater Operations**

	Actual	Budget	Variance Favorable (Unfavorable)	Variance Comments
Operating revenues				
Water operations	331,013	319,283	11,730	Water consumption, new taps
Water Tank Leases	124,113	124,115	(2)	
Wastewater operations	195,613	187,230	8,383	Sewer usage, new taps
Total operating revenues	650,739	630,628	20,111	
Cost of sales	(172,822)	(161,361)	(11,461)	
Gross profit from operations	477,917	469,267	8,650	
Operating expenses				
General & administrative	160,914	209,148	48,234	Salaries, legal & IT support
Water system expenses	21,665	22,601	936	
Wastewater expenses	53,120	97,808	44,688	Sludge disp/wwtp, force mains
Total operating expenses	235,699	329,557	93,858	
Earnings (loss) from operations	242,218	139,710	102,508	
Nonoperating income (expenses)				
Interest earned	17,642	15,688	1,954	
Taxes & assessments collected	156,603	152,610	3,993	vss late pymts
Capital & Unrealized Inv Gain (Loss)	(5,227)	-	(5,227)	unrealized investment losses
Interfund Transfers (Out)	(2,606)	-	(2,606)	reallocated surplus to FD
Bond interest & expenses	(24,898)	(24,905)	7	
Net nonoperating income (expenses)	141,514	143,393	(1,879)	
Earnings (loss) before depreciation	383,732	283,103	100,629	
Depreciation/Loss on disposal	148,627	151,918	3,291	
Net earnings (loss)	235,105	131,185	103,920	
Cash available on July 1, 2021			7,053,906	
Earnings (loss) before depreciation & debt amortization			383,732	
Changes in assets & liabilities				
(Increase) decrease in accounts receivable			(14,096)	
(Increase) decrease in inventory			(1,857)	
(Increase) decrease in prepaid expenses			15,393	
(Decrease) increase in accounts payable & transfers			(67,421)	
(Decrease) increase unrealized gains			-	
Net cash provided (used)			(67,981)	
Cash flow from capital & financing activities				
Asset additions/deletions & construction in progress			(3,693)	
Principal payments on bonds & deferred debt			(127,700)	GO bonds (WWTP & WL) & Rev bond
Bond proceeds & contributed capital			-	
Net cash provided (used)			(131,393)	
Cash available on September 30, 2021			7,238,264	
Available cash includes following balance sheet accounts:	Beginning	Ending	Change Pos. (Neg.)	
Cash (gross revenue, petty cash & contingency fund)	3,055,582	3,237,946	182,365	
Due from Beaufort County Treasurer (Vac sewer assessments)	374,195	38,711	(335,484)	
Investments & restricted cash (Sewer const fund, DS, invest.)	3,624,129	3,961,608	337,479	
Total	7,053,906	7,238,265	184,360	

**FRIPP ISLAND PUBLIC SERVICE DISTRICT**

July 1, 2021 through September 30, 2021

Statement of Revenues & Expenses

Fire Department & Erosion Operations

	Fire Department Fund			Erosion & Bridge Operations Fund		
	Actual	Budget	Variance Favorable (Unfavorable)	Actual	Budget	Variance Favorable (Unfavorable)
<b>Revenues</b>						
Taxes & penalties	11,516	-	11,516	3,519	-	3,519
Assessments, donations & FIPOA	1,800	900	900	-	-	-
Utility attachment fees	-	-	-	-	-	-
*Interest, cap gain (loss) & miscellaneous	2,703	-	2,703	1,618	960	658
<b>Total Revenues</b>	<b>16,019</b>	<b>900</b>	<b>15,119</b>	<b>5,137</b>	<b>960</b>	<b>4,177</b>
<b>Expenditures</b>						
Employee expenses	108,808	132,743	23,935	-	-	-
General & Administrative	15,420	21,153	5,733	2,760	3,475	715
Operations	5,620	8,338	2,718	150	150	-
<b>Total Operating Expenses</b>	<b>129,848</b>	<b>162,234</b>	<b>32,386</b>	<b>2,910</b>	<b>3,625</b>	<b>715</b>
Bond Interest & expenses	-	-	-	-	-	-
Capital outlay	255	-	(255)	-	-	-
<b>Total Expenditures</b>	<b>130,103</b>	<b>162,234</b>	<b>32,131</b>	<b>2,910</b>	<b>3,625</b>	<b>715</b>
<b>Revenues over (under) expenditures</b>	<b>(114,084)</b>	<b>(161,334)</b>	<b>47,250</b>	<b>2,227</b>	<b>(2,665)</b>	<b>4,892</b>
<b>Cash available July 1, 2021</b>	<b>658,535</b>	<b>471,756</b>	<b>186,779</b>	<b>730,932</b>	<b>724,720</b>	<b>6,212</b>
<b>Revenues over (under) expenditures</b>	<b>(114,084)</b>	<b>(161,334)</b>	<b>47,250</b>	<b>2,227</b>	<b>(2,665)</b>	<b>4,892</b>
<b>Increase (decrease) payables &amp; transfers</b>	<b>(179,637)</b>	<b>-</b>	<b>(179,637)</b>	<b>503</b>	<b>(3,630)</b>	<b>4,133</b>
<b>Cash available September 30, 2021</b>	<b>364,814</b>	<b>310,422</b>	<b>54,392</b>	<b>733,662</b>	<b>718,425</b>	<b>15,237</b>

\*Includes interfund transfers from General Fund to cover additional capital costs from FY2021

**CAPITAL PROJECT ACTIVITIES SUMMARY**

	Bridge	Revetment	Totals
Cash available July 1, 2021	267,683	92,497	360,180
Revenues (bank interest/FEMA funds)	-	-	-
Less admin exp (bank chgs)	-	-	-
Less operations fund reimbursements	-	-	-
Less bond-related expenses (P&I, misc)	-	-	-
Less capital outlay	-	-	-
<b>Cash available September 30, 2021</b>	<b>267,683</b>	<b>92,497</b>	<b>360,180</b>

**FRIPP ISLAND PUBLIC SERVICE DISTRICT**

July 1, 2021 through September 30, 2021

**Statement of Revenues & Expenses****Debt Service Fund**

	Actual	Budget	Variance Favorable (Unfavorable)	Comments
Revenues				
Tax levies-wwtp, waterline, bridge, revetment	12,538	-	12,538	late pymts
Service assessments	-	-	-	
Interest, penalties & misc	887	-	887	pen & interest
Total Revenues	13,424	-	13,424	
Expenditures				
Interfund Transfers (wwtp & wtrline GO bond P&I)	152,598	152,610	12	
Governmental bonds (revtmt & bridge P&I)	47,868	47,880	12	
Bond payment fees	-	-	-	
Total Expenditures	200,467	200,490	23	
Revenues over (under) expenditures	(187,042)	(200,490)	13,448	
Cash available July 1, 2021	409,194	548,600	(139,406)	pen, int & higher mill value
Revenues over (under) expenditures	(187,042)	(200,490)	13,448	
Increase (decrease) payables & transfers	-	-	-	
Cash available September 30, 2021	222,152	348,110	(125,958)	pen, int & higher mill value

For 1st quarter budget, assume zero tax revenue. Actual taxes collected during 1st quarter are delinquent taxes for prior fiscal year. Budget assumes 50% collection in 2nd quarter & 50% collection in 3rd quarter.

Expenditures include interfund transfers of quarterly SRF (wwtp & wl) & biannual BB&T (revetment & bridge) debt payments.

Available cash on July 1, 2021 needs to be sufficient to cover Sept. 1, 2021 revetment biannual debt payment of \$7,780, Oct 1 & Dec 1, 2021 wwtp & wl quarterly debt payments totalling \$305,220, and Oct. 1, 2021 bridge biannual debt payment of \$40,100 (Grand Total - \$353,100)

# FRIPP ISLAND PUBLIC SERVICE DISTRICT

Combined Balance Sheet

All Fund Types and Account Groups

September 30, 2021

	Proprietary Fund Type	Governmental Fund Types					Totals
		Wtr & Sew Dept.	Erosion & Bridge	Fire Dept.	Debt Service	Capital Projects	
ASSETS							
Available Cash	3,237,946		90,694	77,272			3,405,912
Due from Beaufort County Treasurer	38,711		442,005	287,541	222,152		990,409
Accounts receivable water & sewer system	484,870						484,870
Accounts receivable-other	6,754						6,754
Interfund receivable / transfer accounts							-
Inventory	24,606						24,606
Prepaid expenses	20,347						20,347
Restricted cash, debt service funds & investments	3,961,608		200,963			360,180	4,522,751
Fixed assets (net of accumulated depreciation)	13,100,727						13,100,727
Unamortized debt acquisition costs	-						-
Deferred Outflows-Pension & OPEB	190,339						190,339
Amount provided for retirement of long term debt	-						-
Total Assets	21,065,907		733,662	364,814	222,152	360,180	22,746,715
LIABILITIES							
Vouchers & accounts payable	66,742		1,230	12,307			80,279
Accrued employee expenses	13,742						13,742
Payable from restricted assets (accrued bond int.)	39,228						39,228
Deferred revenue & receivable clearing accounts	(5,905)						(5,905)
General obligation & revenue bonds payable	7,213,367						7,213,367
Pension & OPEB liability & deferred inflows	1,247,947						1,247,947
Interfund payable / transfer accounts	2,380		(580)	(1,800)			-
Total liabilities	8,577,501		650	10,507	-	-	8,588,658
FUND EQUITY							
Beginning Fund Balance/Net Position	12,253,300		730,785	468,390	409,194	360,180	14,221,849
Fund Balance/Net Position YTD increase (decrease)	235,107		2,227	(114,084)	(187,042)	-	(63,793)
Total fund equity	12,488,407		733,012	354,307	222,152	360,180	14,158,056
Total liabilities & fund equity	21,065,907		733,662	364,814	222,152	360,180	22,746,714

***Fripp Island Fire Department  
Monthly Report Summary  
October 2021***

**Response Activities:**

Total emergency responses for October, 07

	Oct 2021	Oct 2020	YTD CY21	YTD CY20
• Structure Fires	00	00	01	00
• Vehicle Fire	00	00	01	00
• Medical Emergencies	05	11	115	111
• Brush Fires	00	01	02	05
• Misc. Fire	01	03	30	26
• Service Calls	01	00	20	14
• Mutual Aid	00	00	03	06
• Auto Accident	00	00	13	06
• Water Emergencies	00	01	06	14
	-----	-----	-----	-----
	07	16	191	182

**Average emergency response time:**

3 minutes 29 seconds.

**Inspections:**

Oct 2021	Oct 2020	YTD CY21	YTD CY20
0	0	0	1

**Training Activities:**

No training for October.

**Roster:**

Total personnel active for October, 21

Vol.-01

Paid-20

## Angie Hughes

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**From:** Al Legare <alegare@mrsystems.com>  
**Sent:** Tuesday, November 9, 2021 8:48 AM  
**To:** Angie Hughes  
**Subject:** estimate  
**Attachments:** Q21-9290 R0 BOMp - WWTP HMI and CP-20 PLC Upgrade.pdf

Angie,

I just received this from our Sales VP.

One thing to note is the Rockwell software Studio 5000 included to replace the older RSLogix 5000 on Workstation #1 allows remote login for troubleshooting by Suez or MR Systems. If that is not desired it would reduce the cost by approximately \$11K

Kind Regards,

**Al Legaré, CMRP**

Project Manager



MR Systems

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1185 Beaver Ruin Road • Suite A • Norcross, GA 30093

[www.mrsystems.com](http://www.mrsystems.com)



Customer: Fripp Island Service District (SC)  
Project: WWTP HMI and CP-20 PLC Upgrade  
MR Quote #: Q21-9290, Rev. 0



November 9, 2021

## Bill of Materials and Labor

Qty	Tag/Loop	Description
<b><u>SCOPE OF WORK:</u></b>		
MR Systems is pleased to offer this budgetary proposal to upgrade the existing SCADA software and CP-20 PLC for the WWTP.		
Note that this does not include the PLC upgrades for the Zenon/Suez PLCs. These PLCs will need to be upgraded to the newer version of ControlLogix CPUs or updated to the latest firmware in order to work with the upgraded SCADA software that is part of this proposal.		
MR Systems will install the newer versions of SCADA software on workstations provided by the Owner. It is assumed that these workstations are in good working condition and will have Windows 10 operating systems. Any issues that arise from the Owner supplied workstation may result in additional cost if additional labor or multiple visits are required due to these issues.		
<b><u>SCADA SOFTWARE:</u></b>		
1		Rockwell FactoryTalk View SE Station for Workstation No.1
1		Rockwell FactoryTalk View SE Station for Workstation No.2
1		Rockwell FactoryTalk View Studio for Workstation No.1 (FactoryTalk Config Software)
1		Rockwell Studio 5000 Full Edition for Workstation No.1
		Win-911 Upgrade for Workstation No.1
		MR Systems has not included software cost for Win-911 upgrade since this is currently under support between the Owner and Win-911 thru 5/21/2022, License #W07161518024D1D. MR Systems will perform upgrade of the existing Win-911 to the latest version. A new USB modem is included, which is required with the latest version of Win-911 for analog phone dial-outs.
1		GrandStream USB Modem for Win-911 Dial-Outs
<b><u>PLC HARDWARE:</u></b>		
1		1756-L71 ControlLogix CPU for CP-20

## Project Labor

One Lot	<b>Project Engineering &amp; Administrative Labor</b> as required.
One Lot	<b>HMI Software Applications Development &amp; Design Labor</b> (including Travel & Living expenses) as required.



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One Lot		<b>PLC Control Strategy Design &amp; Programming Labor</b> (including Travel & Living expenses) to be performed as require.
N/A		<b>Field Service</b> (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required.
N/A		<b>Electrical Installation or Terminations</b> (including Travel & Living expenses) to provide installation of conduit, wire, etc. as required.
1 Year		<b>Onsite Comprehensive Warranty</b> (including Travel & Living expenses)
One Lot		<b>Freight</b>

**Subtotal of Labor and Materials: \$50,942**

**State Sales Tax is INCLUDED. Assumed sales tax rate is: 7%, Included Sales Tax: \$2,740**

**Total Project Cost: \$53,682**

#### General Notes:

**A \* Sales Representation \***

Mr. Chris Taylerson, of Heyward, Inc. in Charlotte, NC, is our local Sales Representative. Chris may be reached at 704-583-2305 (Office) or 704-591-0980 (Cell)

**B \* Technical Questions \***

For technical or scope of supply questions contact Sothorn Khel, P.E., of MR Systems, Inc. Sothorn may be reached at 678-325-2824 (Office) or 770-519-0597 (Cell).

**C \* Installation of Conduit and Wire \***

This quotation **DOES NOT INCLUDE** the supply or physical installation of conduit or wire unless specifically noted above.

**D \* Equipment Installation \***

This quotation **DOES NOT INCLUDE** physical installation of field instruments, pipe, tubing, fittings, isolation valves, instrument stands, instrument mounts, control panels, antennas, masts, wooden poles, or other devices or other equipment unless specifically noted above.

**E \* Wiring Terminations \***

This quotation **DOES NOT INCLUDE** field or panel terminations of signal or power wires

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### Bill of Materials and Labor

Qty	Tag/Loop	Description
	F	<b>* Fiber Optics Cable *</b> This quotation <b>DOES NOT INCLUDE</b> the supply or physical installation of Fiber Optic Cable.
	G	<b>* Fiber Optic Cable Termination *</b> This quotation <b>DOES NOT INCLUDE</b> termination or testing of fiber optics cable.
	H	<b>* Coaxial Cable Installation *</b> This quotation <b>DOES NOT INCLUDE</b> the physical installation of coaxial cable or other related components.
	I	<b>* Installation of Communications Towers or Poles *</b> This quotation <b>DOES NOT INCLUDE</b> the supply or physical installation of Communication Towers or Poles.
	J	<b>* Contractor License Information *</b> MR Systems' South Carolina Electrical Contractor's License Number is M108855, EL5 (Unlimited).
	K	<b>* Professional Engineering Authorization *</b> As required by the South Carolina Board of Labor, Licensing and Regulation, System Integrators are required to hold a Certificate of Authorization to practice professional engineering in order to perform system integration. MR Systems' Certificate of Authorization Number is C01888.
	L	<b>* Terms and Conditions *</b> MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. <a href="https://www.mrsystems.com/sellersterms/">https://www.mrsystems.com/sellersterms/</a>
	M.	<b>* Performance &amp; Payment Bonds *</b> If you desire MR Systems to provide Performance and Payment Bonds for this project, please let our local sales representative know and we will provide you with an adder for the cost of these bonds.

#### Revision Notes:

Rev. 0 First Issue - 2021-11-09 - SK

## Angie Hughes

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**From:** Montasser, Yuseph <yuseph.montasser@suez.com>  
**Sent:** Thursday, October 7, 2021 3:52 PM  
**To:** Angie Hughes  
**Cc:** Courtney, Coral; Brown, Craig; Ursea, Paul  
**Subject:** Re: Re:[## 2751 ##] FI - upgrade SCADA computers  
**Attachments:** 500252-E-050 Model\_markupYM.pdf

Hi Angie,

I've pasted your question you sent with my comments...

If we keep the same PLC that currently controls the Zenon/Suez equipment, but we update the firmware and the software that goes along with it, does Suez provide the firmware, software, and the installation?

[YM] SUEZ can come to site and preform the firmware update and restart the system.

Or, do we need to get the firmware and software updates from elsewhere?

[YM] As I mentioned before there is nothing proprietary to SUEZ for this firmware update. If you have trusted local integrator, they could also perform this work for you.

After looking through the system architecture on site for the SUEZ system we would recommend updating the PLC processor, PLC ControlNet communication cards and the SUEZ HMI(touchscreen).

I've attached our system architecture drawing with some comments to help clarify the components I am referring to.

Budgetary price for the new hardware (L71 processor, EN2T communication cards (Qty.4), Panelview Plus 7 15" and 2 days onsite to replace and validate operation) is roughly ~35k USD

For a 1-day site visit to update the firmware to V16 on the existing system would be about: ~4.5k USD.

Thanks,

Yuseph

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**From:** Angie Hughes <angiehughes@fipsd.org>  
**Sent:** October 1, 2021 11:37 AM  
**To:** Montasser, Yuseph <yuseph.montasser@suez.com>  
**Cc:** Courtney, Coral <coral.courtney@suez.com>; Brown, Craig <craig.brown@suez.com>  
**Subject:** RE: Re:[## 2751 ##] FI - upgrade SCADA computers

Sure, that sound good.

I'm not sure that I fully understand how this works, would you mind explaining some things?

If we keep the same PLC that currently controls the Zenon/Suez equipment, but we update the firmware and the software that goes along with it, does Suez provide the firmware, software, and the installation? Or, do we need to get the firmware and software updates from elsewhere?



**LOWCOUNTRY**  
ENGINEERING CONSULTANTS, LLC  
36 Professional Village Circle • Beaufort, SC 29907

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November 4, 2021

Ms. Angel L. Hughes  
Manager  
Fripp Island Public Service District  
291 Tarpon Boulevard  
Fripp Island, SC 29920

RE: Recommendation of Award  
Hunting Island Booster Pump Station Upgrade Project  
LEC No. FI2101-405

Dear Ms. Hughes:

Bids for the Hunting Island Booster Pump Station Upgrade Project were received at 10:00 AM on November 3, 2021 at the Fripp Island Public Service District Office and publicly read aloud. At the time of the bid opening, (1) contractor submitted a bid for the project.

We have reviewed the submitted bid and the scope of work for the project and feel that the bid is high, is above the project budget, and is not reflective of the work involved for the construction of the Hunting Island Booster Pump Station Upgrade Project. We therefore recommend that the project not be awarded at this time.

If you have any questions or require any additional information, please contact this office.

Sincerely,

Phil B. Waters, P.E.  
Lowcountry Engineering Consultants, LLC

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