



**Brunswick-Glynn County Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick GA 31520
Wednesday, November 20, 2019 at 3:00 PM
Commission Meeting Room**

FACILITIES COMMITTEE MEETING AGENDA

COMMITTEE MEMBERS: **Chairman Ben Turnipseed
Commissioner Bob Duncan
Commissioner Steve Copeland
Executive Director Andrew Burroughs**

PUBLIC COMMENT PERIOD

Public Comments will be limited to 3 minutes per speaker. Comments are to be limited to relevant information regarding your position and should avoid being repetitious. Individuals should sign in stating your name, address and the subject matter on which you wish to speak. Your cooperation in this process will be greatly appreciated.

APPROVAL

- 1. Minutes from October 16, 2019 Facilities Committee Meeting (subject to any necessary changes)**
- 2. Minutes from October 16, 2019 Facilities Committee Executive Session (subject to any necessary changes)**
- 3. Altama/Sea Palms CIPP Contract Award – A. Burroughs**
- 4. East Beach/Demere Improvements Project Budget – A. Burroughs**

DISCUSSION

- 1. Discussion of Potential SPLOST 2020 – A. Burroughs**
- 2. WPCF Plant Flows Report – A. Burroughs**
- 3. Project Report – A. Burroughs**

MEETING ADJOURNED

*All citizens are invited to attend.
There is a possibility of a quorum of a quorum of City or County Commissioners being present.*



Brunswick-Glynn County Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, November 20, 2019 at 3:00 PM

FACILITIES COMMITTEE MINUTES

PRESENT: **Ben Turnipseed, Chairman**
 Steve Copeland, Commissioner
 Bob Duncan, Commissioner
 Andrew Burroughs, Executive Director

ALSO PRESENT: **Donald Elliott, Commissioner**
 Todd Kline, Director of Engineering
 Janice Meridith, Exec. Commission Administrator

MEDIA PRESENT: **Matthew Permar, The Islander**

Chairman Turnipseed called the meeting to order at 3:04 PM.

Chairman Turnipseed provided the invocation.

PUBLIC COMMENT PERIOD

There being no citizens that wished to address the Committee, Chairman Turnipseed closed the Public Comment Period.

APPROVAL

1. Minutes from Facilities Committee Meeting October 16, 2019

Commissioner Duncan made a motion seconded by Commissioner Copeland to approve the minutes from the Facilities Committee Meeting held on October 16, 2019. Motion carried 3-0-0.

2. Minutes from Facilities Committee Executive Session October 16, 2019

Commissioner Duncan made a motion seconded by Commissioner Copeland to approve the minutes from the Facilities Committee Executive Session held on October 16, 2019. Motion carried 3-0-0.

3. Altama/Sea Palms CIPP Contract Award – A. Burroughs

Mr. Burroughs advised that six firms responded with bids on Tuesday, November 5, 2019 for the CIPP Repairs – Altama Avenue Corridor and Sea Palms Development. He provided that the lowest bid was received from IPR Southeast, LLC who is the contractor already doing the SPLOST Lining Project on Whitlock Street. As of this morning they were about half completed with the lining project and the project was going well. The pricing came in lower than what was budgeted. There are two different

funding sources for these two projects. The SPLOST V funding is paying for the Sea Palms portion, and the Altama Avenue portion is being funded from the R&R Reserve. The total bid from IPS was \$599,937.45 which when broken out separately equaled \$349,440.20 for the Altama Avenue CIPP and \$250,497.25 for the Sea Palms CIPP. At the Finance Committee earlier that day, there was discussion for using the remaining SPLOST V funds for more work in the Sea Palms Development. The contract will be 150 days, with Sea Palms being started first.

Commissioner Duncan made a motion seconded by Commissioner Copeland to move that the Facilities Committee recommend entering into a contract with IPR Southeast, LLC, in the amount of \$599,937.45 for the CIPP Repairs to the Altama Avenue Corridor and Sea Palms Development projects and move this item to the full Commission for approval.

Chairman Turnipseed commented that with the \$311,297.75 being left over in the SPLOST V funds and that JWSC spent money on the original I&I study on SSI and making some repairs in Sea Palms and asked if some of the JWSC funds can be reimbursed from the SPLOST V remainder. Mr. Burroughs will inquire on this matter with Mr. Dorminy. Chairman Turnipseed then asked if there was any other work that needed to be done at this time on SSI. Mr. Burroughs advised that there is some ductile iron line that run down the main corridors in Sea Palms West which are in need of attention. There is potential that this could be a change order and added to the Sea Palms East project.

Motion carried 3-0-0.

4. East Beach/Demere Improvements Project Budget – A. Burroughs

Mr. Burroughs provided that as discussed with the Finance Committee earlier, Glynn County has a SPLOST project to install intersection improvements at East Beach and Demere. In order to do this project they will have to relocate both water and sewer assets out of the new lanes. While doing this, JWSC has requested that they perform a couple of modifications, one being folding four manifold forcemains into one so that there is only one penetration coming into the manhole, and there is an existing concrete vault where all those lines come into that has been rehabbed twice in the last five years and needs to be demolished so staff is requesting to demo that and install an HDPE manhole where the new forcemain would be installed. Staff is requesting \$100,000.00 to do these three modifications, which will not hold up the Glynn County project at all.

Commissioner Duncan made a motion seconded by Commissioner Copeland to move that the Facilities Committee approve project funding in the amount of \$100,000.00 for the East Beach/Demere Sewer Improvement Project and that this project funding approval be forwarded to the full Commission for approval. Motion carried 3-0-0.

DISCUSSION

1. Discussion of Potential SPLOST 2020 Projects – A. Burroughs

Mr. Burroughs provided a discussion/presentation to the Committee regarding the SPLOST 2020 Potential Project listing. Revisions have been made to the original list and brought the project list down to the four main priority projects. The revised report also includes the descriptions of what is needed to be done for each project. There are four scenarios that Mr. Burroughs presented with different amounts of potential funding JWSC could receive from the SPLOST 2020. The scenarios break down those funding amounts and indicate what amounts could be allocated for each of the four priority projects. The intent is to help customers, county wide with system wide benefits. Mr. Burroughs recommended getting this list finalized and approved at the next meeting to send the final copy to the county for consideration.

2. WPCF Plant Flows Report – A. Burroughs

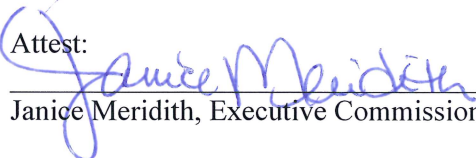
Mr. Burroughs provided the plant flows report for all three wastewater treatment plants, Academy Creek, Dunbar and Southport. First he reviewed the data for Academy Creek and advised that there was about 7.5 MGD leaving the plant, and that the rainfall was up for the past month of October. The TSS concentrations were up and the BOD remained consistent. The ammonia levels dropped due to the lab equipment having been repaired. At Dunbar Creek there was a daily flow out of the plant of 2.9 MGD out of the 4.0 MGD total permitted. The TSS levels were down and the BOD remained consistent. The graph indicated the flows were rather stable. The BOD and TSS at Southport went up, as there was a higher influent for the month of October. Again though there was little variance in the flows.

3. Project Report – A. Burroughs

Mr. Burroughs and Mr. Kline presented the project report to the Committee. There were good discussion points on several of the projects, for which Mr. Burroughs and Mr. Kline provided responses for the Committee members.

There being no further committee business, Chairman Turnipseed adjourned the meeting at 3:44 p.m.

Attest:


Janice Meredith, Executive Commission Administrator



G. Ben Turnipseed, Chairman



Brunswick-Glynn County Joint Water and Sewer Commission

Memo

To: BGJWSC Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, November 20, 2019
Re: **APPROVAL** - Contract Award – CIPP Repairs – Altama Avenue Corridor and Sea Palms Development

Background

JWSC released Invitation for Bid No. 20-008, CIPP Repairs – Altama Avenue Corridor and Sea Palms Development on Friday, September 27, 2019. Bid No. 20-008 combined work from two approved capital projects, Altama Avenue CIPP and Sea Palms CIPP. The projects were combined for bidding purposes, but each project will be paid with the approved funding. The Scope of Work includes the inspection, cleaning and rehabilitation of approximately 12,475 linear feet of various size sewer pipe in these areas. This project is intended to reduce various I/I related issues throughout the JWSC service area.

Staff Report

Six (6) firms responded with bids on Tuesday, November 5, 2019. The results are listed below:

Firm	Bid Price
IPR Southeast, LLC	\$599,937.45
Insituform Technologies, LLC	\$613,163.40
SAK Construction, LLC	\$742,666.00
CaJenn Construction and Rehabilitation Services Inc.	\$770,154.00
Bio-Nomic Services, Inc.	\$781,877.37
Gulf Coast Underground, LLC	\$856,852.26

The \$599,937.45 amount submitted by IPR Southeast, LLC., is reasonable and acceptable to staff and in line with the pricing submitted from the other proposers for the anticipated scope of services and overall project timeline of one-hundred fifty (150) days for completion. BGJWSC anticipates all work for this project to be completed no later than May 31, 2020.

Funding

Project Name	Total Approved Budget	Remaining	Contract Award	New Balance
Altama Avenue CIPP	\$625,000.00	\$625,000.00	\$349,440.20	\$275,559.80
Sea Palms CIPP	\$561,795.00	\$561,795.00	\$250,497.25	\$311,297.75

Recommended Action

Staff recommends entering into a contract with IPR Southeast, LLC., in the amount of \$599,937.45 for CIPP Repairs to the Altama Avenue Corridor and Sea Palms Development.

Recommended Motion

"I move that the Facilities Committee recommend entering into a contract with IPR Southeast, LLC., in the amount of \$599,937.45 for the CIPP Repairs to the Altama Avenue Corridor and Sea Palms Development projects and move this item to the Full Commission for approval."

Enclosures:

Bid Tabulation

ALTAMA AVENUE CURED-IN-PLACE PIPE REHAB

				IPR Southeast, LLC		Insituform
				Unit Price	Total	Unit Price
Item	Description	Quantity	Units			
1	Mobilization	1	LS	\$ 7,000.00	\$ 7,000.00	\$ 33,080.30
2	Bypass Pumping	1	LS	\$ 6,500.00	\$ 6,500.00	\$ 64,636.60
3	Traffic Control	1	LS	\$ 4,500.00	\$ 4,500.00	\$ 14,162.20
4	Sanitary Sewer Mainline Pre-Cleaning Inspection ≤ 12" Diameter	1778	LF	\$ 1.25	\$ 2,222.50	\$ 1.10
5	Sanitary Sewer Mainline Pre-Cleaning Inspection > 12" Diameter	2564	LF	\$ 1.50	\$ 3,846.00	\$ 2.10
6	Sanitary Sewer Mainline Cleaning ≤ 12" Diameter	1778	LF	\$ 1.25	\$ 2,222.50	\$ 1.60
7	Sanitary Sewer Mainline Cleaning > 12" Diameter	2564	LF	\$ 3.30	\$ 8,461.20	\$ 2.60
8	Sanitary Sewer Mainline Post-Cleaning Inspection ≤ 12" Diameter	1778	LF	\$ 1.00	\$ 1,778.00	\$ 0.10
9	Sanitary Sewer Mainline Post-Cleaning Inspection > 12" Diameter	2564	LF	\$ 1.00	\$ 2,564.00	\$ 0.10
10	8" CIPP Mainline Rehabilitation	1186	LF	\$ 24.75	\$ 29,353.50	\$ 31.10
11	10" CIPP Mainline Rehabilitation	491	LF	\$ 39.50	\$ 19,394.50	\$ 41.40
12	12" CIPP Mainline Rehabilitation	101	LF	\$ 79.00	\$ 7,979.00	\$ 49.90
13	15" CIPP Mainline Rehabilitation	383	LF	\$ 82.00	\$ 31,406.00	\$ 36.70
14	18" CIPP Mainline Rehabilitation	319	LF	\$ 85.00	\$ 27,115.00	\$ 50.10
15	24" CIPP Mainline Rehabilitation	1862	LF	\$ 99.00	\$ 184,338.00	\$ 83.70
16	Sanitary Sewer Mainline Heavy Sewer Cleaning ≤ 12" Diameter	1	SEGMENT	\$ 530.00	\$ 530.00	\$ 528.90
17	Sanitary Sewer Mainline Heavy Sewer Cleaning > 12" Diameter	1	SEGMENT	\$ 1,070.00	\$ 1,070.00	\$ 1,057.80
18	Sanitary Sewer Mainline Deposit Cut ≤ 12" Diameter	1	SEGMENT	\$ 540.00	\$ 540.00	\$ 528.90
19	Sanitary Sewer Mainline Deposit Cut > 12" Diameter	1	SEGMENT	\$ 1,060.00	\$ 1,060.00	\$ 1,057.80
20	Sanitary Sewer Mainline Root Cut Medium ≤ 12" Diameter	1	SEGMENT	\$ 530.00	\$ 530.00	\$ 528.90
21	Sanitary Sewer Mainline Root Cut Medium > 12" Diameter	1	SEGMENT	\$ 1,070.00	\$ 1,070.00	\$ 1,057.80
22	Sanitary Sewer Mainline Root Cut Ball ≤ 12" Diameter	1	SEGMENT	\$ 800.00	\$ 800.00	\$ 793.40
23	Sanitary Sewer Mainline Root Cut Ball > 12" Diameter	1	SEGMENT	\$ 1,340.00	\$ 1,340.00	\$ 1,322.30
24	Sanitary Sewer Mainline Lateral Cut ≤ 12" Diameter	1	EACH	\$ 530.00	\$ 530.00	\$ 528.90
25	Sanitary Sewer Mainline Lateral Cut > 12" Diameter	1	EACH	\$ 590.00	\$ 590.00	\$ 581.80
26	Service Connection Reinstatement	18	EACH	\$ 90.00	\$ 1,620.00	\$ 135.60
27	Dye Testing of Existing Service Connections	18	EACH	\$ 60.00	\$ 1,080.00	\$ 105.80
SUBTOTAL				\$349,440.20		\$3

SEA PALMS CURED-IN-PLACE PIPE REHAB

Item	Description	Quantity	Units	Unit Price	Total	Unit Price
1	Mobilization	1	LS	\$ 4,500.00	\$ 4,500.00	\$ 25,189.60
2	Bypass Pumping	1	LS	\$ 3,500.00	\$ 3,500.00	\$ 1,204.70
3	Traffic Control	1	LS	\$ 500.00	\$ 500.00	\$ 3,467.20
4	Sanitary Sewer Mainline Pre-Cleaning Inspection ≤ 12" Diameter	8133	LF	\$ 1.25	\$ 10,166.25	\$ 1.60
5	Sanitary Sewer Mainline Cleaning ≤ 12" Diameter	8133	LF	\$ 1.25	\$ 10,166.25	\$ 0.50
6	Sanitary Sewer Mainline Post-Cleaning Inspection ≤ 12" Diameter	8133	LF	\$ 1.00	\$ 8,133.00	\$ 0.10
7	8" CIPP Mainline Rehabilitation	8133	LF	\$ 24.75	\$ 201,291.75	\$ 19.70
8	Sanitary Sewer Mainline Heavy Sewer Cleaning ≤ 12" Diameter	1	SEGMENT	\$ 320.00	\$ 320.00	\$ 793.40
9	Sanitary Sewer Mainline Deposit Cut ≤ 12" Diameter	1	SEGMENT	\$ 320.00	\$ 320.00	\$ 793.40
10	Sanitary Sewer Mainline Root Cut Medium ≤ 12" Diameter	1	SEGMENT	\$ 320.00	\$ 320.00	\$ 793.40
11	Sanitary Sewer Mainline Root Cut Ball ≤ 12" Diameter	1	SEGMENT	\$ 530.00	\$ 530.00	\$ 793.40
12	Sanitary Sewer Mainline Lateral Cut ≤ 12" Diameter	1	EACH	\$ 530.00	\$ 530.00	\$ 528.90
13	Service Connection Reinstatement	70	EACH	\$ 90.00	\$ 6,300.00	\$ 116.40
14	Dye Testing of Existing Service Connections	70	EACH	\$ 56.00	\$ 3,920.00	\$ 52.90
SUBTOTAL					\$250,497.25	\$2

TOTAL	\$599,937.45	\$6
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To the best of my knowledge, these bids are accurately tabulated and were accepted in accordance with applicable regulations.

Andrew Burroughs, P.E., Georgia Registration No. 042863



Brunswick-Glynn County Joint Water and Sewer Commission

Memo

To: JWSC Facilities Committee
From: Andrew Burroughs, Executive Director
Date: November 20, 2019
Re: **APPROVAL** – East Beach/Demere Sewer Improvements Project Approval

Background

Glynn County has a SPLOST project to install a roundabout at East Beach & Demere. In order to do this, they have to relocate both water and sewer assets. The estimated cost provided by Glynn County for this relocation is \$106,340 for water and \$162,495 for sewer for a total cost of \$268,835. Traditionally pure relocation costs have been on Glynn County with an upsizing costs falling to JWSC. The recent project in the Village area of St Simons Island was handled this way.

The assets in the area are all PVC or HDPE, so there is not an immediate condition based need to replace the assets. During the project, the JWSC has requested the installation of an HDPE manhole at this intersection. Currently, three force mains discharge into an existing concrete sewer vault which has been rehabbed multiple times due to H₂S corrosion. The JWSC is also requesting that the force mains be manifolded prior to discharge into the new HPDE manhole to simplify the pipe routing. Glynn County has provided an estimate for the new force main, new HPDE manhole, and removal of the existing sewer vault to be \$100,345. A pre-bid meeting was held by Glynn County on Thursday, November 14, 2019.

Staff Report

Staff proposes creating a project out of the Repair & Replacement Reserve to facilitate these JWSC requested improvements. The proposed project would be managed by Glynn County Public Works, therefore, an MOU would be required similar to how the Village project was handled. JWSC would have full inspection rights.

The project estimate provided by Glynn County's consulting engineer is attached.

Recommended Action

Staff recommends that a project be approved to perform sewer improvements at the East Beach and Demere intersection in conjunction with the Glynn County SPLOST project. The estimated budget for this project will be \$100,000.00. Staff recommends that this funding come from the R&R Reserve.

Recommended Motion

"I make a motion that the Facilities Committee approve project funding in the amount of \$100,000.00 for the East Beach/Demere Sewer Improvement Project and that this project funding approval be forwarded to the full Commission for approval."

Enclosures:

Project Estimate

**East Beach Causeway at Demere Road Roundabout
Construction Cost Estimate**

October, 2019

Item No.	Item Description	Est. Qty.	Unit	Unit Price	Total Price
Miscellaneous					
1	Traffic Control	JOB	LS		\$80,000
2	Clearing and Demolition	JOB	LS		\$100,000
3	Grading Complete	JOB	LS		\$200,000
4	Remove and Replace Unsuitable Material	1000	CY	\$40	\$40,000
Subtotal					\$420,000
Erosion and Sedimentation Control					
1	Temporary Construction Exit	1	EA	\$3,000	\$3,000
2	Construct and Remove Inlet Sediment Trap	13	EA	\$600	\$7,800
3	Maintenance of Inlet Sediment Trap	13	EA	\$300	\$3,900
4	Temporary Silt Fence - NS	2300	LF	\$5	\$11,500
5	Maintenance of Temp Silt Fence - NS	2300	LF	\$3	\$6,900
6	Water Quality Monitoring and Sampling	6	EA	\$1,700	\$10,200
7	Water Quality Inspections	6	MO	\$600	\$3,600
8	Temporary Grassing	5000	SY	\$3	\$15,000
9	Permanent Grassing	5000	SY	\$10	\$50,000
Subtotal					\$111,900
Water System					
1	4" PVC Watermain	14	LF	\$20	\$280
2	10" PVC Watermain	544	LF	\$40	\$21,760
3	12" PVC Watermain	472	LF	\$60	\$28,320
4	4" Valve in Box	1	EA	\$1,200	\$1,200
5	10" Valve in Box	4	EA	\$2,200	\$8,800
6	12" Valve in Box	2	EA	\$2,500	\$5,000
7	6" Fire Hydrant Assembly	1	EA	\$4,000	\$4,000
8	Connection to Existing Main	3	EA	\$2,000	\$6,000
9	Reconnect Existing Water Service Laterals	6	EA	\$1,000	\$6,000
10	1" Meter Assembly	4	EA	\$250	\$1,000
11	Remove Existing Valves and Hydrants	4	EA	\$1,000	\$4,000
12	Flowable Fill for Watermains (4", 10" & 12")	1332	LF	\$15	\$19,980
Subtotal					\$106,340
Sanitary Sewer System					
1	12" PVC Gravity Sanitary Sewer	296	LF	\$100.00	\$29,600.00
2	27" PVC Gravity Sanitary Sewer	45	LF	\$200.00	\$9,000.00
3	8' Dia. HDPE Sanitary Sewer Manhole	1	EA	\$20,000.00	\$20,000.00
4	Connection To & Coating of Existing MH	2	EA	\$5,000.00	\$10,000.00
5	12" PVC Force Main	200	LF	\$50.00	\$10,000.00
6	20" PVC Force Main	300	LF	\$100.00	\$30,000.00
7	4" Plug Valve in Box	1	EA	\$2,000.00	\$2,000.00
8	4" Check Valve in Box	1	EA	\$2,000.00	\$2,000.00

9	10" Plug Valve in Box	2	EA	\$5,000.00	\$10,000.00
10	10" Check Valve in Box	2	EA	\$5,000.00	\$10,000.00
11	Connection to Existing Force Mains	4	EA	\$2,000.00	\$8,000.00
12	Flowable Fill for SS FM (4", 8", 10" & 12")	823	LF	\$15.00	\$12,345.00
13	Flowable Fill for SS Gravity (27")	363	LF	\$50.00	\$18,150.00
14	Remove Existing SS MH and Vault	3	EA	\$10,000.00	\$30,000.00
Subtotal					\$162,495
Storm Drainage					
1	Storm Drain Pipe, 18" RCP	736	LF	\$80	\$58,880
2	Storm Drain Pipe, 24" RCP	221	LF	\$100	\$22,100
3	Storm Drain Pipe, 30" RCP	117	LF	\$125	\$14,625
4	Flared End Section, 18"	2	EA	\$3,500	\$7,000
5	Flared End Section, 24"	2	EA	\$4,000	\$8,000
6	Underdrain Pipe, Incl Drainage Aggr 4"	500	LF	\$55	\$27,500
7	Standard Rip Rap	10	CY	\$200	\$2,000
8	Catch Basin, Type A	4	EA	\$5,000	\$20,000
9	Catch Basin, Type C	2	EA	\$8,000	\$16,000
10	Drop Inlet, Type V-1	4	EA	\$5,000	\$20,000
11	Drop Inlet, Type B	3	EA	\$6,000	\$18,000
12	Storm Manhole	2	EA	\$2,000	\$4,000
Subtotal					\$214,105
Roadway					
1	Milling Existing Pavement	3,300	SY	\$20	\$66,000
2	Graded Aggr Base Crs, 8 Inch	4,800	SY	\$72	\$345,600
3	Asphalt Conc 19 MM Superpave (3 Inch)	4,000	SY	\$25	\$100,000
4	Asphalt Conc 9.5 MM Superpave (1 1/2 Inch)	4,000	SY	\$15	\$60,000
5	Bituminous Tack Coat	400	GAL	\$5	\$2,000
6	Plain PC Conc Pvmt, Cl 3, 8" Thk, Stamped	245	SY	\$150	\$36,750
7	Concrete Median, 6", Type 7	240	SY	\$85	\$20,400
8	Conc Header Curb, 4", Type 9	275	LF	\$30	\$8,250
9	Conc Curb & Gutter, 6" x 24", Type 2	2,100	LF	\$20	\$42,000
10	Conc Curb & Gutter, 6" x 24", Type 7	205	LF	\$25	\$5,125
11	Driveway Concrete, 6 Inch	110	SY	\$80	\$8,800
12	Conc Sidewalk, 4 Inch	1,100	SY	\$50	\$55,000
Subtotal					\$749,925
Signing and Marking					
1	Highway Signs and Posts	Job	LS		\$12,000
2	Thermoplastic Traffic Striping	Job	LS		\$20,000
3	Pedestrian Hybrid Beacon	2	EA	\$10,500	\$21,000
Subtotal					\$53,000
Construction Subtotal					\$1,817,765
Construction Contingency					\$272,700
Construction Total					\$2,090,465

Scenario - Total Request

Overall Priority	Project Name	Description	Rounded Budget	Expected Benefits
1	CIPP Gravity Sewers	CIPP PACP Scores 4 and 5, non-PVC with lateral lining, county-wide	\$ 8,000,000.00	Potential 40% reduction in I&I for identified lines (overall I&I averages approx 1.6 MGD), Reduction in sinkholes/road cuts/paving costs associated with collapsed lines (sewer paving averages \$300,000 annually)
2	Transite Water Main Replacements	Replace transite lines throughout City/County, potential areas include Fairway Oaks, Waverly Pines, Beverly Shores, College Park, Kelvin Grove, Wesley Oaks, St. Clair	\$ 6,000,000.00	Replace aging transite water mains throughout County based upon break data
3	Permanent Bypass Pumps	Install Permanent Bypass Pumps on all Priority 1 & 2 Stations (17 Pumps)	\$ 3,000,000.00	Increased resiliency during weather events, improved maintenance flexibility (can perform work without cutting off flow)
4	Water and Sewer to Unserved Areas	Potential Areas include Arco, Ellis Point, Key Circle, St. Clair, Belle Point, Buck Swamp Road	\$ 15,000,000.00	Provide municipal water and sewer to areas with failing septic tanks and/or non-functioning private wells.
Total Request			\$ 32,000,000.00	

Scenario - \$15M Approved Funding

Overall Priority	Project Name	Description	Rounded Budget	Expected Benefits
1	CIPP Gravity Sewers	CIPP PACP Scores 4 and 5, non-PVC with lateral lining, county-wide	\$ 5,000,000.00	Potential 40% reduction in I&I for identified lines (overall I&I averages approx 1.6 MGD), Reduction in sinkholes/road cuts/paving costs associated with collapsed lines (sewer paving averages \$300,000 annually)
2	Transite Water Main Replacements	Replace transite lines throughout City/County, potential areas include Fairway Oaks, Waverly Pines, Beverly Shores, College Park, Kelvin Grove, Wesley Oaks, St. Clair	\$ 5,000,000.00	Replace aging transite water mains throughout County based upon break data
3	Permanent Bypass Pumps	Install Permanent Bypass Pumps on all Priority 1 & 2 Stations (17 Pumps)	\$ 2,000,000.00	Increased resiliency during weather events, improved maintenance flexibility (can perform work without cutting off flow)
4	Water and Sewer to Unserved Areas	Potential Areas include Arco, Ellis Point, Key Circle, St. Clair, Belle Point, Buck Swamp Road	\$ 3,000,000.00	Provide municipal water and sewer to areas with failing septic tanks and/or non-functioning private wells.
Total Request			\$ 15,000,000.00	

Scenario - \$20M Approved Funding

Overall Priority	Project Name	Description	Rounded Budget	Expected Benefits
1	CIPP Gravity Sewers	CIPP PACP Scores 4 and 5, non-PVC with lateral lining, county-wide	\$ 5,000,000.00	Potential 40% reduction in I&I for identified lines (overall I&I averages approx 1.6 MGD), Reduction in sinkholes/road cuts/paving costs associated with collapsed lines (sewer paving averages \$300,000 annually)
2	Transite Water Main Replacements	Replace transite lines throughout City/County, potential areas include Fairway Oaks, Waverly Pines, Beverly Shores, College Park, Kelvin Grove, Wesley Oaks, St. Clair	\$ 5,000,000.00	Replace aging transite water mains throughout County based upon break data
3	Permanent Bypass Pumps	Install Permanent Bypass Pumps on all Priority 1 & 2 Stations (17 Pumps)	\$ 3,000,000.00	Increased resiliency during weather events, improved maintenance flexibility (can perform work without cutting off flow)
4	Water and Sewer to Unserved Areas	Potential Areas include Arco, Ellis Point, Key Circle, St. Clair, Belle Point, Buck Swamp Road	\$ 7,000,000.00	Provide municipal water and sewer to areas with failing septic tanks and/or non-functioning private wells.
Total Request			\$ 20,000,000.00	

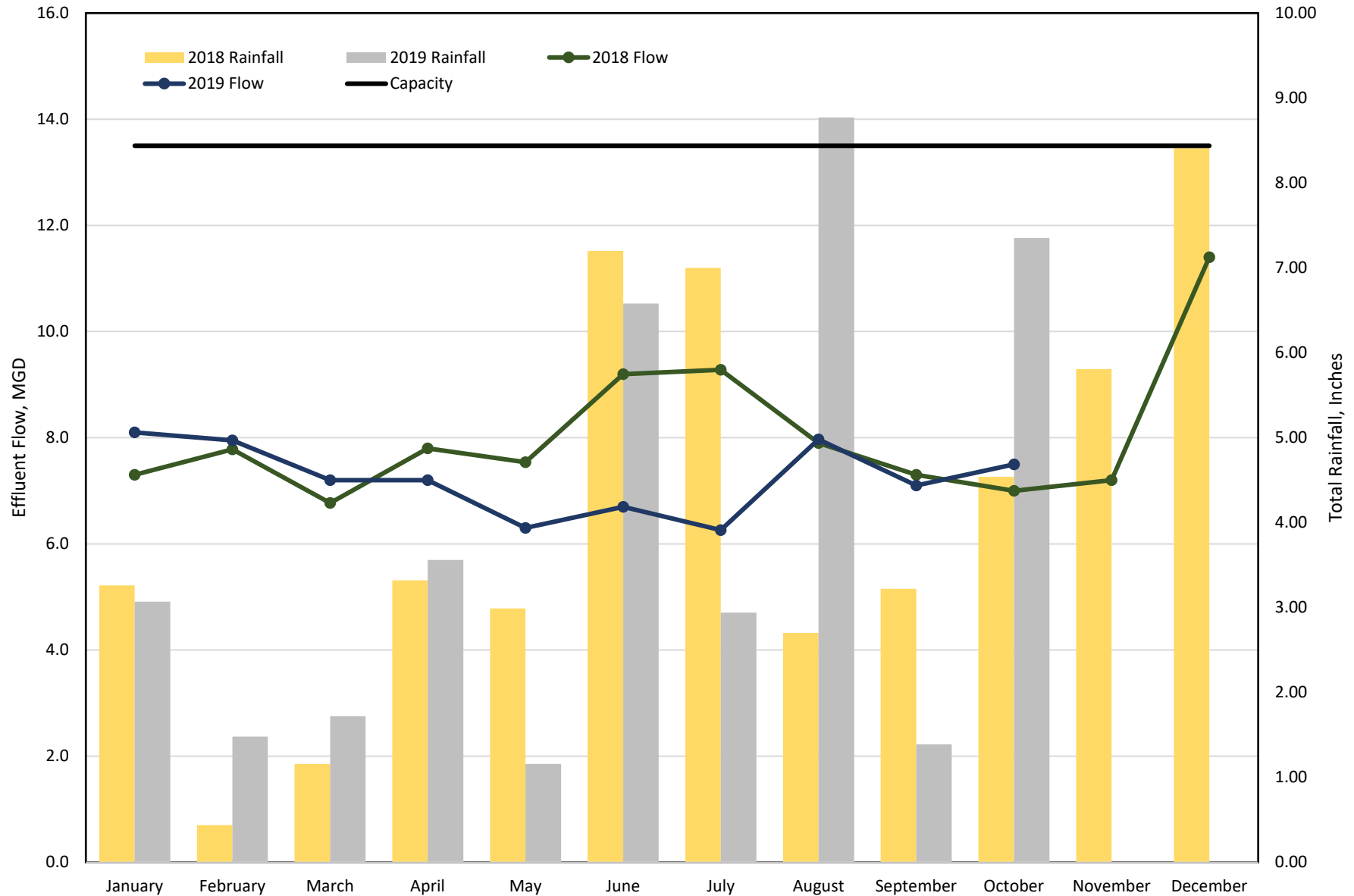
Scenario - \$25M Approved Funding

Overall Priority	Project Name	Description	Rounded Budget	Expected Benefits
1	CIPP Gravity Sewers	CIPP PACP Scores 4 and 5, non-PVC with lateral lining, county-wide	\$ 7,000,000.00	Potential 40% reduction in I&I for identified lines (overall I&I averages approx 1.6 MGD), Reduction in sinkholes/road cuts/paving costs associated with collapsed lines (sewer paving averages \$300,000 annually)
2	Transite Water Main Replacements	Replace transite lines throughout City/County, potential areas include Fairway Oaks, Waverly Pines, Beverly Shores, College Park, Kelvin Grove, Wesley Oaks, St. Clair	\$ 5,000,000.00	Replace aging transite water mains throughout County based upon break data
3	Permanent Bypass Pumps	Install Permanent Bypass Pumps on all Priority 1 & 2 Stations (17 Pumps)	\$ 3,000,000.00	Increased resiliency during weather events, improved maintenance flexibility (can perform work without cutting off flow)
4	Water and Sewer to Unserved Areas	Potential Areas include Arco, Ellis Point, Key Circle, St. Clair, Belle Point, Buck Swamp Road	\$ 10,000,000.00	Provide municipal water and sewer to areas with failing septic tanks and/or non-functioning private wells.
Total Request			\$ 25,000,000.00	

ACADEMY CREEK WWTP	FLOW (MGD)				Influent Concentrations					Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter Monthly MGal	Sludge Tons to Landfill	
	Month	INF	PINOVA	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	TRC mg/L	Fecal #/100 mL	Phos. mg/L	BOD %	TSS %			Maximum Inches
January 2018	6.5	0.7	7.3	54%	7.3	173	175			6.5	7.1	7	12	3.9	0.03	9	3.4	95.95%	93.14%	1.62	3.26		
February 2018	6.9	0.7	7.8	58%	7.2	192	203			6.6	6.8	8	12	6.8	0.03	1	4.3	95.83%	94.09%	0.30	0.44		
March 2018	5.8	0.7	6.8	50%	7.4	198	190			6.6	6.6	11	11	5.8	0.04	1	3.7	94.44%	94.21%	0.51	1.16		
April 2018	6.7	0.6	7.8	58%	7.3	165	149			6.7	6.7	8	12	7.4	0.04	11	3.2	95.15%	91.95%	1.57	3.32		
May 2018	6.4	0.7	7.5	56%	7.3	158	161			6.6	6.2	6	10	8.3	0.04	13	3.2	96.20%	93.79%	0.73	2.99		
June 2018	8.9	1.0	9.2	68%	7.2	125	132	13.4	3.4	6.5	5.5	6	10	2.7	0.04	13	3.4	95.20%	92.42%	1.75	7.20		
July 2018	9.0	0.8	9.3	69%	7.5	126	140	16.0	5.9	6.7	5.8	6	11	4.2	0.02	13	3.5	95.24%	92.14%	2.60	7.00		
August 2018	7.6	0.7	7.9	59%	7.8	127	168	20.8	4.7	6.8	5.7	8	13	5.3	0.08	11	3.1	93.70%	92.26%	1.20	2.70	0.219	67.32
September 2018	6.3	0.8	7.3	54%	7.7	153	155	17.6	4.4	6.6	5.8	7	13	2.7	0.05	9	4.3	95.42%	91.61%	0.95	3.22	0.163	71.23
October 2018	6.1	0.5	7.0	52%	7.4	172	172	31.8	5.2	6.6	6.0	7	9	9.4	0.02	41	2.6	95.93%	94.77%	1.72	4.54	0.164	65.55
November 2018	6.1	0.7	7.2	53%	7.6	212	335	23.4	5.3	6.6	6.2	8	12	4.8	0.04	44	3.5	96.23%	96.42%	3.00	5.81	0.165	88.25
December 2018	10.0	0.8	11.4	84%	7.9	121	130	17.4	11.0	6.7	6.6	9	15	8.0	0.02	182	4.3	92.56%	88.46%	2.67	8.41	0.149	73.21
January 2019	7.4	0.7	8.1	60%	7.6	169	193	13.1	8.4	6.8	6.5	11	13	11.6	0.03	24	2.9	93.49%	93.26%	0.90	3.07	0.589	114.16
February 2019	6.8	0.7	8.0	59%	7.6	190	213	18.4	15.2	6.7	6.8	9	12	10.8	0.06	16	8.4	95.26%	94.37%	1.00	1.48	0.653	85.01
March 2019	6.2	0.7	7.2	53%	7.4	258	272	22.0	13.2	6.7	6.2	10	12	8.5	0.04	24	8.8	96.12%	95.59%	0.60	1.72	0.926	68.53
April 2019	6.3	0.7	7.2	53%	7.5	219	231	24.1	15.8	6.9	6.3	9	15	11.2	0.01	23	6.8	95.89%	93.51%	1.83	3.56	0.890	93.13
May 2019	5.7	0.6	6.3	47%	7.5	246	251	31.0	15.0	6.5	5.3	11	9	11.7	0.04	55	10.8	95.53%	96.41%	0.66	1.16	0.900	86.50
June 2019	5.7	0.8	6.7	50%	7.4	251	230	27.2	9.4	6.6	6.0	10	11	10.7	0.10	23	3.7	96.02%	95.22%	1.68	6.58	0.800	100.71
July 2019	5.3	0.8	6.3	46%	7.4	216	237	32.3	12.2	6.6	6.0	7	10	14.9	0.05	29	7.8	96.76%	95.78%	0.88	2.94	0.500	26.74
August 2019	6.7	0.9	8.0	59%	7.3	195	215	37.5	7.8	6.9	5.8	8	11	21.3	0.01	19	6.4	95.90%	94.88%	2.15	8.77	0.951	75.13
September 2019	6.3	0.6	7.1	53%	7.5	175	210	31.9	1.9	6.6	6.0	6	9	17.3	0.10	26	1.2	96.57%	95.71%	0.94	1.39	0.445	81.77
October 2019	6.3	1.0	7.5	56%	7.5	180	177	21.4	5.8	6.5	6.0	9	14	11.6	0.02	66	3.6	95.00%	92.09%	2.80	7.35	0.571	61.88
November 2019																							
December 2019																							
Average	6.8	0.7	7.7	57%	7.5	182.8	197	23.5	8.51	6.7	6.2	8.2	11.6	9.0	0.04	30	4.7	95.38%	93.73%	1.46	4.00	0.539	77.27
Max	10.0	1.0	11.4	84%	7.9	258.0	335	37.5	15.8	6.9	7.1	11.0	15.0	21.3	0.10	182	10.8	96.76%	96.42%	3.00	8.77	0.951	114.16
Min	5.3	0.5	6.3	46%	7.2	121.0	130	13.1	1.90	6.5	5.3	6.0	9.0	2.7	0.01	1	1.2	92.56%	88.46%	0.30	0.44	0.149	26.74
Permit Limits	N/A	N/A	13.5	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	2.0	20.0	30.0	17.4	0.14	200	Report	85.00%	85.00%				

BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Fecal - Fecal Coliform Bacteria

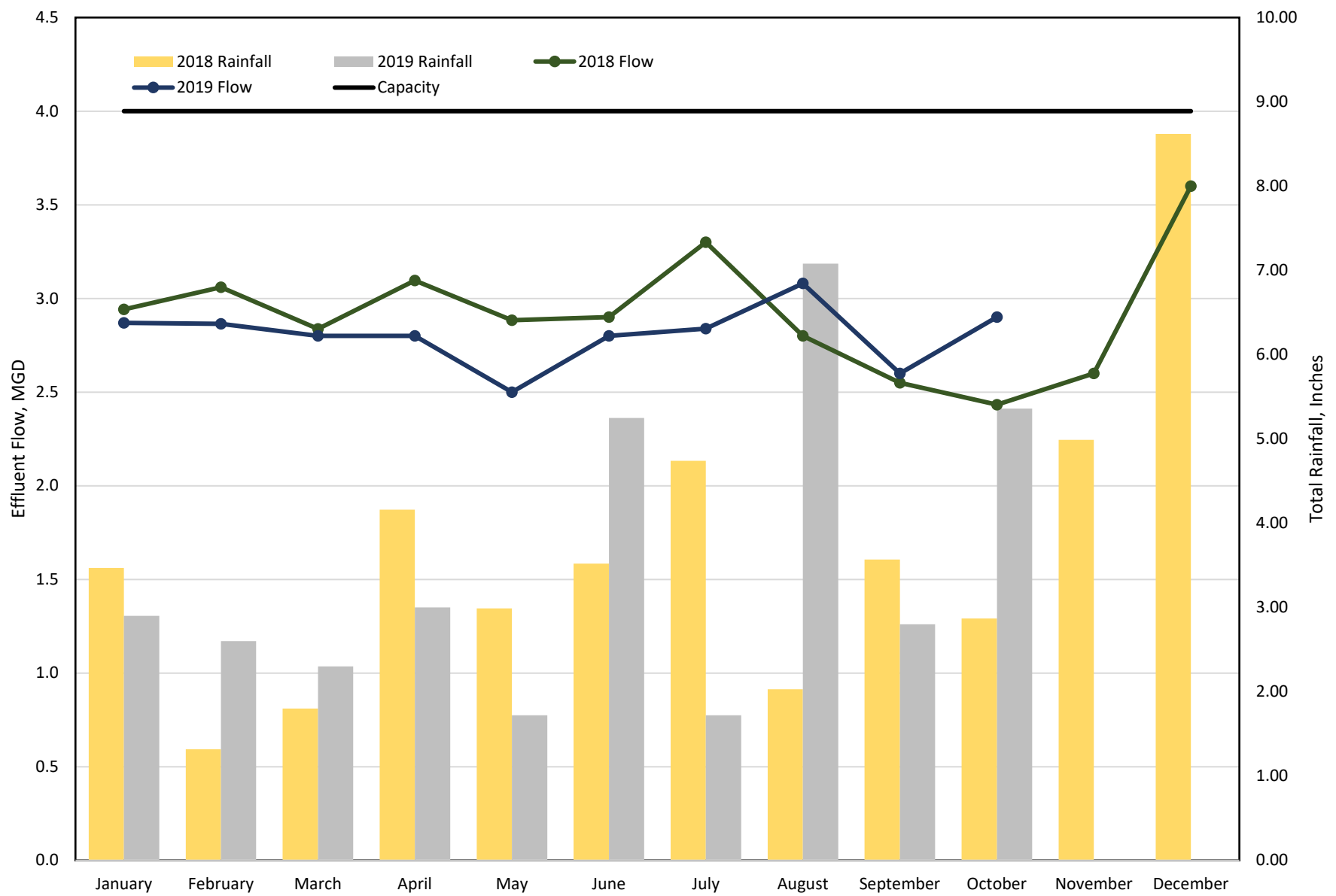
Academy Creek Effluent Flow



DUNBAR CREEK WWTP	FLOW (MGD)			Influent Concentrations					Effluent Concentrations						Removal Efficiency		Rainfall		Water Meter Monthly M/Gal	Sludge Tons to Landfill		
	INF	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Entero. #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches			Total Inches	
January 2018	3.4	2.9	74%	7.1	135	133			7.1	8.2	3.0	2.0	0.4	9	1.7	97.78%	98.50%	2.03	3.47			
February 2018	3.5	3.1	77%	7.0	149	129			7.0	7.3	6.0	3.0	1.6	48	1.6	95.97%	97.67%	0.79	1.32			
March 2018	3.3	2.8	71%	7.3	169	147			7.3	9.0	5.0	1.0	0.3	15	3.0	97.04%	99.32%	0.60	1.80			
April 2018	3.5	3.1	77%	7.2	162	163			7.6	8.4	2.0	1.0	0.1	6	2.7	98.77%	99.39%	1.18	4.16			
May 2018	3.3	2.9	72%	7.2	165	158			7.7	8.3	2.0	2.0	0.6	24	2.9	98.79%	98.73%	0.75	2.99			
June 2018	3.5	2.9	73%	7.1	161	139	22.0	3.20	7.7	7.7	2.1	1.0	1.3	17	2.8	98.70%	99.28%	1.30	3.52			
July 2018	3.6	3.3	83%	7.2	157	153	26.7	4.10	7.5	6.6	2.2	1.0	0.2	3	2.7	98.60%	99.35%	1.52	4.74			
August 2018	2.7	2.8	70%	7.5	139	114	28.6	3.45	7.7	7.5	1.0	1.0	0.9	8	3.1	99.28%	99.12%	0.68	2.03	0.070	22.86	
September 2018	2.6	2.6	64%	7.5	134	137	21.9	3.95	7.7	7.9	2.0	1.0	0.6	30	2.9	98.51%	99.27%	0.87	3.57	0.030	22.06	
October 2018	2.8	2.4	61%	7.4	131	123	20.9	3.25	7.8	7.7	2.0	2.5	0.4	29	2.3	98.47%	97.99%	1.27	2.87	0.033	18.36	
November 2018	3.6	2.6	65%	7.5	143	131	20.6	3.85	7.8	8.2	1.0	3.0	0.8	8	3.8	99.30%	97.71%	2.79	4.99	0.041	21.84	
December 2018	4.4	3.6	90%	7.1	98	116	14.5	2.35	7.7	8.8	2.0	2.3	0.9	46	1.4	97.96%	98.02%	2.05	8.62	0.058	17.20	
January 2019	3.8	2.9	72%	7.3	132	142	16.3	2.85	7.6	8.9	2.0	2.0	0.7	22	2.2	98.48%	98.59%	1.50	2.90	0.044	19.62	
February 2019	3.5	2.9	72%	7.5	148	161	20.9	2.65	7.5	8.7	2.0	1.8	0.5	11	2.0	98.65%	98.86%	1.00	2.60	0.015	7.41	
March 2019	3.2	2.8	70%	7.3	192	195	23.5	3.40	7.5	8.4	1.0	1.8	0.5	5	2.3	99.48%	99.08%	0.60	2.30	0.035	18.11	
April 2019	3.5	2.8	70%	7.2	205	230	23.3	3.90	7.5	7.6	2.0	2.3	0.9	5	2.4	99.02%	99.00%	0.90	3.00	0.037	26.76	
May 2019	3.4	2.5	63%	7.2	206	237	35.3	5.30	7.5	7.2	2.0	3.1	0.5	3	3.0	99.03%	98.69%	0.98	1.72	0.035	21.03	
June 2019	3.7	2.8	70%	7.3	189	267	22.0	4.80	7.5	7.4	2.0	2.5	0.5	5	3.3	98.94%	99.06%	1.62	5.25	0.043	4.52	
July 2019	3.6	2.8	71%	7.3	219	274	21.4	4.25	7.3	7.3	3.0	1.6	0.7	5	3.8	98.63%	99.40%	1.04	1.72	0.045	21.36	
August 2019	3.9	3.1	77%	6.9	168	193	34.1	4.20	7.3	8.0	3.0	2.3	0.7	26	3.3	98.21%	98.83%	1.91	7.08	0.065	41.48	
September 2019	3.2	2.6	65%	6.9	159	245	24.3	2.15	7.1	8.1	3.0	4.0	0.9	33	2.4	98.11%	98.37%	0.90	2.80	0.015	7.16	
October 2019	2.7	2.9	73%	6.9	165	188	31.8	3.50	6.9	8.1	2.0	2.2	0.4	20	2.7	98.79%	98.83%	1.93	5.36	0.036	21.06	
November 2019																						
December 2019																						
Average	3.4	2.9	72%	7.2	160.3	171.6	24.0	3.60	7.5	8.0	2.4	2.0	0.7	17	2.6	98.48%	98.78%	1.3	3.6	0.040	19.39	
Max	4.4	3.6	90%	7.5	219.0	274.0	35.3	5.30	7.8	9.0	6.0	4.0	1.6	48	3.8	99.48%	99.40%	2.8	8.6	0.070	41.48	
Min	2.6	2.4	61%	6.9	98.0	114.0	14.5	2.15	6.9	6.6	1.0	1.0	0.1	3	1.4	95.97%	97.67%	0.6	1.3	0.015	4.52	
Permit Limits	N/A	4.0	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	6.0	5.0	20.0	2.0	35	Report	85.00%	85.00%					

BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Entero. - Enterococci Bacteria

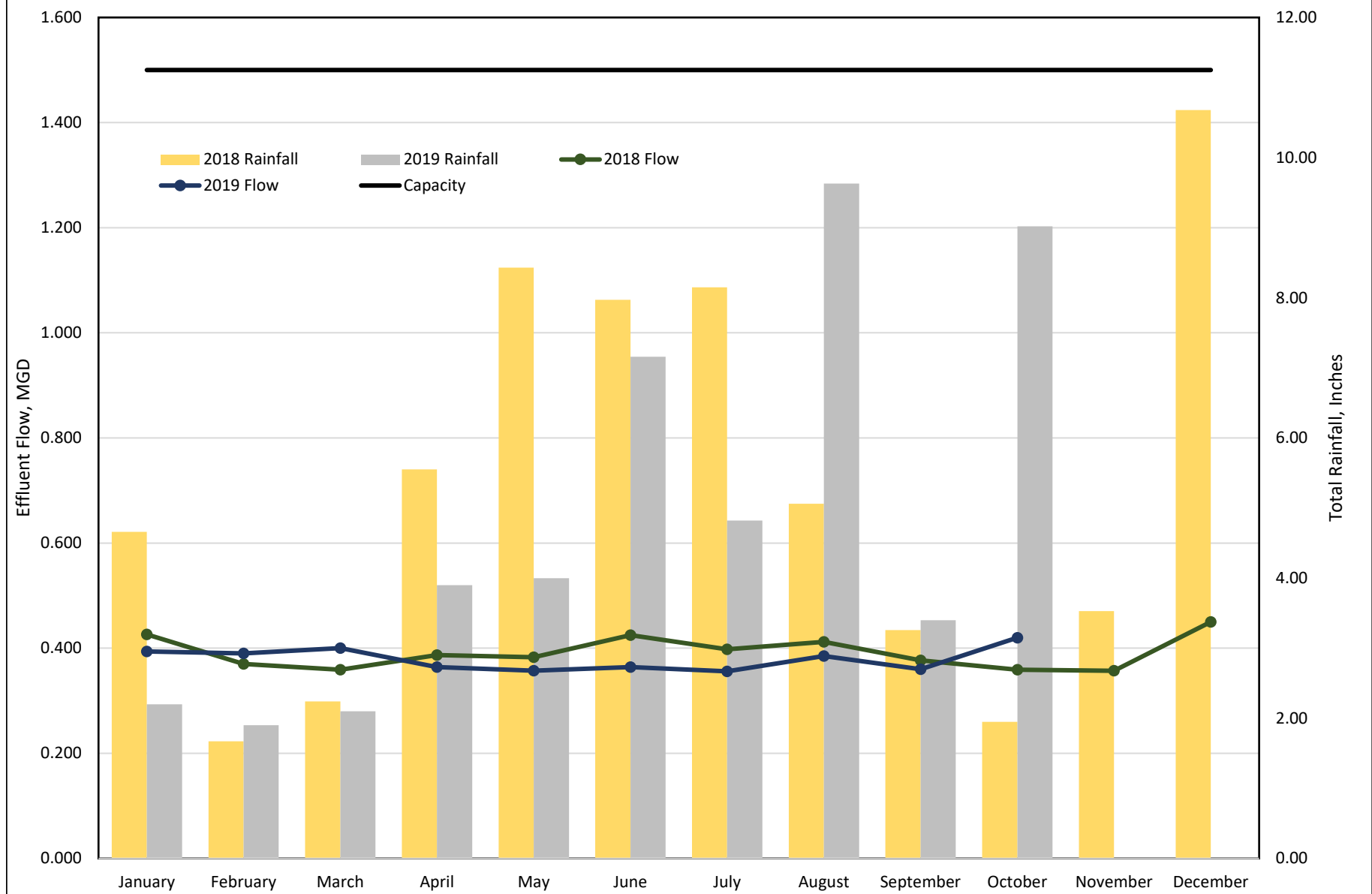
Dunbar Creek Effluent Flow



SOUTHPORT WWTP	FLOW (MGD)			Influent Concentrations					Effluent Concentrations						Removal Efficiency		Rainfall		Water Meter Monthly M/Gal	Sludge Tons to Landfill		
	Month	INF	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Fecal #/100 mL	Phos. mg/L	BOD %	TSS %			Maximum Inches	Total Inches
January 2018	0.446	0.426	28%	6.8	121	131			6.8	8.5	4.1	8.5	5.3	12	0.3	96.61%	93.51%	2.51	4.66			
February 2018	0.376	0.370	25%	6.9	143	129			7.1	8.2	6.0	8.0	6.0	6	1.1	95.80%	93.80%	0.86	1.67			
March 2018	0.363	0.359	24%	7.2	157	174			7.2	8.7	4.0	4.0	0.1	15	0.4	97.45%	97.70%	0.96	2.24			
April 2018	0.382	0.387	26%	6.8	138	114			6.8	8.9	3.3	4.9	0.1	65	0.6	97.61%	95.70%	1.51	5.55			
May 2018	0.384	0.383	26%	6.8	120	103			7.3	8.0	3.9	3.2	0.6	9	0.7	96.75%	96.89%	2.14	8.43			
June 2018	0.399	0.425	28%	7.0	121	109	23.0	4.40	7.0	7.0	4.0	3.0	0.5	9	0.4	96.69%	97.25%	2.61	7.97			
July 2018	0.382	0.398	27%	6.8	132	119	25.9	3.15	7.3	7.3	4.0	2.4	0.1	3	0.6	96.97%	97.98%	2.65	8.15			
August 2018	0.393	0.412	27%	6.6	128	138	31.1	5.00	6.8	8.0	4.4	4.5	0.7	8	0.3	96.56%	96.74%	1.36	5.06	0.009	3.57	
September 2018	0.353	0.377	25%	6.6	142	131	26.6	3.80	7.2	8.0	4.8	5.2	0.6	6	0.7	96.65%	96.03%	1.18	3.26	0.006	9.06	
October 2018	0.354	0.359	24%	6.7	143	124	25.6	4.10	7.5	8.8	5.0	5.0	0.3	10	1.5	96.50%	95.97%	0.88	1.95	0.005	7.52	
November 2018	0.356	0.357	24%	7.0	166	149	35.1	4.45	7.9	9.0	4.0	7.0	1.4	3	1.1	97.59%	95.30%	1.64	3.53	0.004	2.16	
December 2018	0.384	0.450	30%	7.0	115	94	25.0	1.60	7.5	8.6	3.0	3.0	0.7	6	0.4	97.39%	96.81%	3.48	10.68	0.004	4.64	
January 2019	0.376	0.394	26%	6.9	128	376	23.3	3.70	7.3	9.0	3.0	3.0	0.6	6	0.1	97.65%	99.20%	1.00	2.20	0.006	3.37	
February 2019	0.377	0.390	26%	7.5	111	93	29.8	1.20	7.5	8.9	3.0	4.0	0.5	8	0.5	97.31%	95.70%	0.06	1.90	0.007	6.79	
March 2019	0.358	0.400	27%	6.9	111	109	31.7	3.90	7.2	8.9	4.0	4.0	0.5	6	0.1	96.40%	96.33%	0.50	2.10	0.008	6.50	
April 2019	0.359	0.364	24%	6.8	113	78	30.8	3.95	7.7	8.3	6.0	2.0	0.8	4	1.0	94.69%	97.44%	0.13	3.90	0.008	5.35	
May 2019	0.350	0.357	24%	6.9	121	92	40.2	4.40	7.3	8.0	5.8	4.7	0.6	5	0.7	95.21%	94.89%	1.68	4.00	0.007	3.56	
June 2019	0.358	0.364	24%	6.8	98	124	27.9	3.80	7.2	6.6	4.0	5.0	0.3	4	0.7	95.92%	95.97%	1.26	7.16	0.006	5.25	
July 2019	0.361	0.356	24%	6.8	110	93	27.0	4.00	7.3	7.9	8.0	5.0	0.6	12	1.1	92.73%	94.62%	1.45	4.82	0.009	4.19	
August 2019	0.369	0.385	26%	6.7	117	127	45.0	4.45	7.2	8.4	5.7	7.1	0.7	23	0.8	95.13%	94.41%	2.42	9.63	0.012	1.90	
September 2019	0.362	0.360	24%	6.9	96	75	36.3	2.80	7.4	7.8	5.0	3.0	0.6	23	1.4	94.79%	96.00%	1.20	3.40	0.022	3.87	
October 2019	0.363	0.420	28%	6.8	103	109	31.8	3.45	7.3	7.6	4.0	2.0	0.4	49	1.4	96.12%	98.17%	2.52	9.02	0.045	3.54	
November 2019																						
December 2019																						
Average	0.373	0.386	26%	6.9	124.2	126.9	30.4	3.66	7.3	8.2	4.5	4.5	1.0	13	0.7	96.30%	96.20%	1.5	5.1	0.011	4.75	
Max	0.446	0.450	30%	7.5	166.0	375.7	45.0	5.00	7.9	9.0	8.0	8.5	6.0	65	1.5	97.65%	99.20%	3.5	10.7	0.045	9.06	
Min	0.350	0.356	24%	6.6	96.0	75.0	23.0	1.20	6.8	6.6	3.0	2.0	0.1	3	0.1	92.73%	93.51%	0.1	1.7	0.004	1.90	
Permit Limits	N/A	1.500	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	5.0	30.0	30.0	13.0	200	Report	85.00%	85.00%					

BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Fecal - Fecal Coliform Bacteria

Southport Effluent Flow



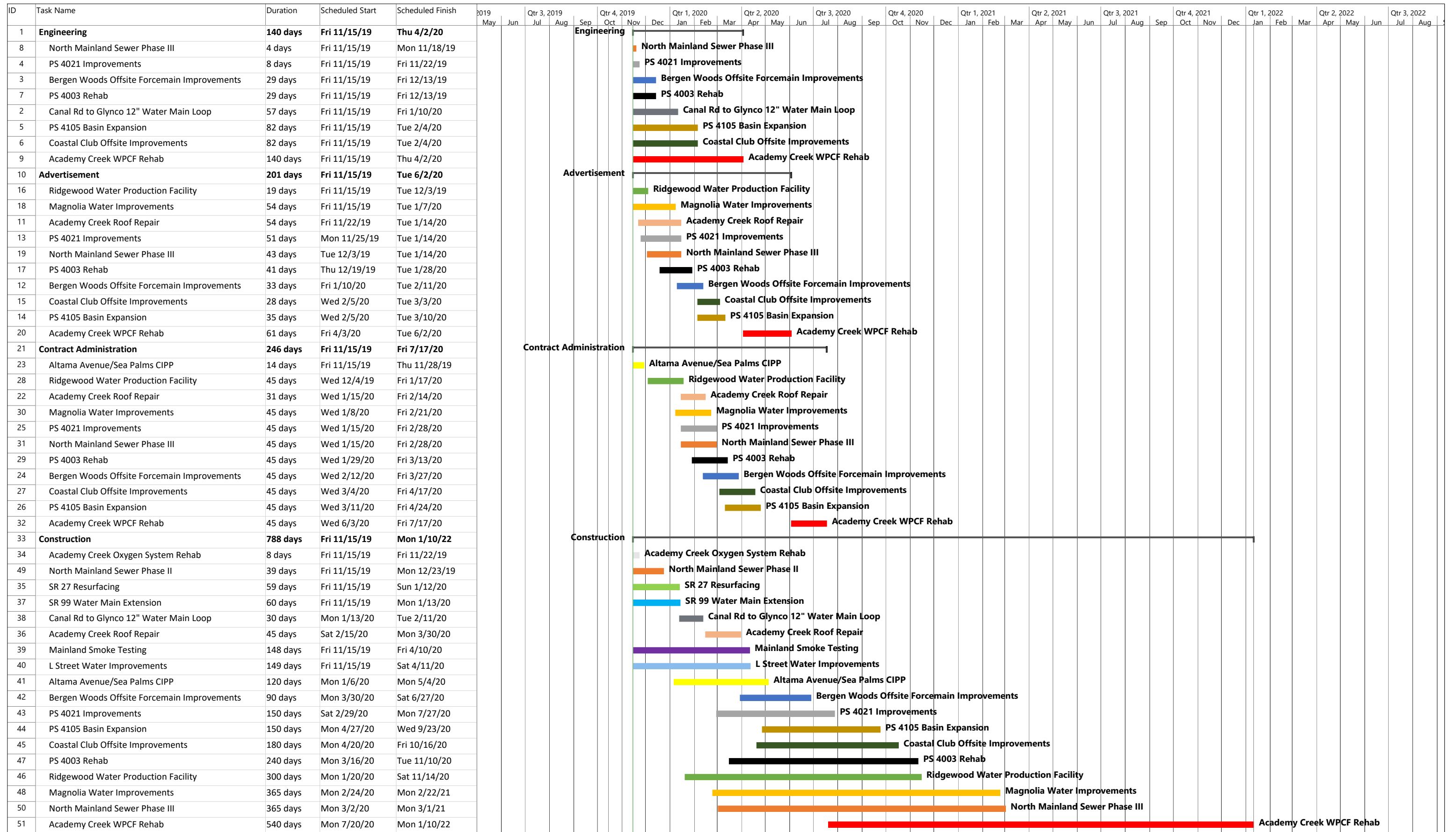
PROJECT REPORT

Financial Data as of 10-31-2019

Proj #	Project Name	Original Project Estimate	Proj Mgr.	Concept Design	Detail Design	Construction	BOC APPROVED FUNDING & SOURCE				COMMITTED			BUDGET VS. EXPENDITURES				BALANCE		Status
							R&R Reserve	CIF Reserve	SPLOST	Total Approved Funds	Purchase Orders Issued	BOC Approved Change Orders	Total PO+CO	Expenditures Paid to PO's	Remaining Encumbrances	Expenditures Misc.	Expenditures Total	Uncommitted \$\$\$ (App Fund - Exp)	% Approved Budget Available	
							232	SR-99 Water Main Extension	\$2,200,000	Kline/Patel/Vo	EMC	RGA / EMC	Seaboard	\$0	\$2,200,000	\$0	\$2,200,000	\$1,263,167	\$287,693	
417	Ridgewood Water Production Facility	\$1,000,000	Kline/Vo	JWSC	RGA	TBD	\$1,000,000	\$0	\$0	\$1,000,000	\$107,366	\$0	\$107,366	\$29,333	\$78,033	\$62,943	\$170,309	\$829,691	82.97%	Invitation to Bid sent 10/25/2019, Prebid held 11/13/2019, and anticipated Bid Open 12/03/2019.
702	North Mainland Sewer Improvements	\$14,900,000	Kline/Vo	JWSC/ EMC	T&H	TBD	\$0	\$11,700,000	\$3,200,000	\$14,900,000	\$7,164,141	\$286,264	\$7,450,405	\$4,351,672	\$3,057,231	\$0	\$7,408,903	\$7,491,097	50.28%	Construction progress meeting held on 10/29/2019. CIPP bypass started on B&W Grade Road 10/21/2019.
703	PS 4003 Decommission and Gravity Sewer	\$3,300,000	Kline/Patel/Vo	JWSC	HGB	TBD	\$0	\$0	\$3,300,000	\$3,300,000	\$248,599	\$0	\$248,599	\$99,872	\$201,227	\$3,589	\$304,688	\$2,995,312	90.77%	30% design reviewed and comments forwarded to EOR. awaiting resubmission
704	Canal Road to Glynco 12-inch Watermain Loop	\$1,200,000	Kline/Patel/Vo	JWSC	JWSC	TBD	\$0	\$1,200,000	\$0	\$1,200,000	\$48,000	\$0	\$48,000	\$48,000	\$0	\$0	\$48,000	\$1,152,000	96.00%	Conceptual design exhibit underway. Propose to begin installation for portion along Glynco Parkway in November 2019.
801	FEMA Hazard Mitigation-Academy Creek	\$3,188,000	Burroughs	Haggerty	TBD	TBD	\$3,188,000	\$0	\$0	\$3,188,000	\$37,233	\$0	\$37,233	\$31,408	\$0	\$111,939	\$143,347	\$3,044,653	95.50%	Bid package being prepared for transfer switch installation.
804	Magnolia Water Improvements	\$1,150,000	Kline/Vo	JWSC	City of BWK / EMC	TBD	\$1,150,000	\$0	\$0	\$1,150,000	\$117,050	\$0	\$117,050	\$44,684	\$72,366	\$0	\$117,050	\$1,032,950	89.82%	City Project/contract. Moved forward with JWSC BOC decision to install WM behind curb. City to advertise week of Nov. 18th. Proposed bid award Jan. 2020.
805	L Street Water Improvements	\$650,000	Kline/Vo	JWSC	City of BWK / EMC	Georgia Asphalt Producers	\$787,334	\$0	\$0	\$787,334	\$751,780	\$4,104	\$755,884	\$383,813	\$372,071	\$0	\$755,884	\$31,450	3.99%	Construction Progress meeting held on 11/04/2019. Contractor and subs are onsite and construction activities are ongoing. Contractor is expected to provide updated project schedule by 11/29/2019.
806	Academy Creek Oxygen System Rehab	\$1,040,000	Burroughs	HGB	HGB	A&G / Matheson	\$1,040,000	\$0	\$0	\$1,040,000	\$1,012,002	\$0	\$1,012,002	\$1,006,492	\$31,816	\$0	\$1,038,308	\$1,692	0.16%	Awaiting final invoicing.
903	SR 27 Resurfacing from Yellow Bluff Creek to US 25	\$77,000	Kline/Vo	JWSC/GDOT	GDOT	GDOT	\$102,000	\$0	\$0	\$102,000	\$77,250	\$24,750	\$102,000	\$0	\$0	\$101,929	\$101,929	\$71	0.07%	Seaboard Construction LLC mobilized to the project site on 09/19/2019. The mainline milling & resurfacing activities is on-going and expected to be completed by end of December 2019.
904	Lift Station 4021 Improvements	\$275,000	Kline/Patel	JWSC	JWSC	TBD	\$0	\$275,000	\$0	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	100.00%	Design revision to utilize triplex draft plans complete. Electrical plans complete. Bid Docs In progress
906	Water Pollution Rehab-Academy & Dunbar	\$15,000,000	Burroughs	JWSC	GMC	TBD	\$0	\$0	\$1,480,647	\$1,480,647	\$1,232,649	\$0	\$1,232,649	\$169,929	\$1,020,221	\$50,083	\$1,240,233	\$240,414	16.24%	Visited multiple sites to view band screen installations. Staff recommends utilizing bar screen technology given the depth of the channel. 60% design is due in December.
2001	PS4105 Basin Expansion/Forcemain reroute & CIPP*	\$1,485,000	Burroughs/Kline/Vo	JWSC	RCE	TBD	\$1,000,000	\$485,000	\$0	\$1,485,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,485,000	100.00%	Engineering kickoff held 10/08/2019 with design time 120 days. Waiting on 30% design submittal for review.
2002	Altama Avenue CIPP	\$625,000	Burroughs/Kline/Vo	JWSC	JWSC	TBD	\$625,000	\$0	\$0	\$625,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$625,000	100.00%	Bids Opened 11/05/2019 and currently under review with the anticipated award date 11/21/2019.
2003	Sea Palms CIPP	\$561,795	Burroughs/Kline/Vo	JWSC	JWSC	TBD	\$0	\$0	\$561,795	\$561,795	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$561,795	100.00%	The Sea Palms CIPP and Altama Avenue CIPP are advertised in one package to achieve the best combination of price and performance. JWSC held a presentation and Q&A session at the Sea Palms HOA meeting 11/08/2019.
2004	Mainland Smoke Testing	\$325,000	Zettler	JWSC	N/A	P.U.M.P.S.	\$325,000	\$0	\$0	\$325,000	\$231,649	\$0	\$231,649	\$0	\$231,649	\$0	\$231,649	\$93,351	28.72%	Smoke testing completed 11/08/2019 and pending final report submittal.
2005	Coastal Club Apts. Offsite PS & FM Improvements*	\$228,000	Kline/Vo	JWSC	TBD	TBD	\$0	\$228,000	\$0	\$228,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$228,000	100.00%	Comprehensive agreement approved by the Board 09/18/2019. Design kickoff held 10/08/2019. Survey is underway and EOR is preparing for 30% submittal.
2006	Academy Creek Roof Repair	\$300,000	Burroughs/Hopkins	JWSC	TBD	TBD	\$300,000	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	100.00%	Advertise November 2019 and construct post-hurricane season.
2007	Bergen Woods Offsite Forcemain Improvements*	\$232,000	Kline/Vo	JWSC	TBD	TBD	\$0	\$232,000	\$0	\$232,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$232,000	100.00%	Plans in EPD and GDOT review. Advertise December 2019.
TOTALS							\$9,517,334	\$16,320,000	\$8,542,442	\$34,379,776	\$12,290,886	\$602,811	\$12,893,697	\$7,644,174	\$5,241,987	\$613,055	\$13,499,216	\$20,880,560	60.74%	

UNSOLICITED PROPOSALS*	DESCRIPTION	Concept	Application	Preliminary Engineering	Comprehensive Agreement	STATUS
Sinclair S/D residential development (SSI)	121 Lot S/D; proposed improvements to PS2056 and force main.	Complete	Complete	Complete	Complete May 2018	Pending developer action.
Bergen Woods Apartments	Proposed 252 apartment development and force main improvements.	Complete	Complete	Complete	Complete August 2018	Plans in EPD and GDOT review.
Frederica Township	Downstream upgrades to accommodate 200 additional lots; cooperative w/ Sinclair U.P.	Complete	Complete	Complete	Complete August 2018	Pending developer action.
Oak Grove/Carolina Partners	Force main improvements to serve proposed development on Oak Grove Island.	Complete	Complete	Complete	Complete February 2019	Pending developer action; submittal of 30% design plans.
Saddlebrook Subdivision / Wade Journey Homes	Improve PS4105 sewer capacity for the addition of 41 new homes	Complete	Complete	Complete	Complete May 2019	EOR working on 30% design plans.
Coastal Club Apartments (link to Proj 904)	Improve PS4056 & 4059 for proposed 240 unit apt. complex 3061 Old Cypress Mill Rd.	Complete	Complete	Complete	Complete September 2019	EOR working on 30% design plans.
Boomers Bakery (fmr. Pumpkin Patch) W& FM extension	Extend W&S from Friendly Exp #71 to 341; obtain easement	On hold				Pending developer decision to move forward.

BULL PEN (Proposed)	
Glynn County Village Storm Improvements- Phase II	Opportunity project with Glynn County to replace/upgrade sections of W&S in common with areas of storm improvements; Glynn Co. proposed SPLOST 2020.
JWSC 2020 SPLOST projects	Proposed list submitted to Glynn County grouped by funding levels.
Glynn Co. East Beach Cswy. Roundabout @ Demere Rd.	Relocation and upgrade of existing water and forcemain assets to accommodate roadway/drainage improvements.



Project: Capital Projects Gantt C
Date: Fri 11/15/19

Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Baseline Milestone	Manual Progress
Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Baseline Summary	
Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Baseline	Progress	