



900 Magazine Rd.
Petersburg, VA 23803
Office: (804) 861-0111
Fax: (804) 861-3254

South Central Wastewater Authority Board of Directors Meeting

DATE: June 14, 2018

TIME: 2:00 PM

LOCATION: Appomattox River Water Authority
Board Room, Administration Building
21300 Chesdin Road
South Chesterfield, Virginia 23803

AGENDA

1. Call to Order/Roll Call
2. Approval of Minutes: Minutes of the Regular Meeting of the Board on May 17, 2018
3. Public Comment
4. Presentation by Mr. Jeff Oakley-Oakley Logistics
5. Executive Director's Report:
 - Award of Warehouse Construction Contract
 - July 1, 2018 to December 31, 2018 Work Plan Summary/Update
 - Status Report: Ongoing Projects/Financials
6. Items from Counsel
7. Closed Session
8. Other Items from Board Members/Staff Not on Agenda
9. Adjourn

Cc: W. Dupler/George Hayes, Chesterfield
L. Lyons, Petersburg
W. Henley, Colonial Heights
F. Haltom, Prince George
K. Massengill, Dinwiddie County
A. Anderson, McGuire Woods

1. Call to Order/Roll Call

2. Approval of Minutes: Minutes of the Regular Meeting of the Board on May 17, 2018

Following are the minutes of the Regular Meeting of the South Central Wastewater Authority Board of Directors on May 17, 2018.

Absent any corrections or revisions, we recommend approval of the minutes as submitted.

BOARD OF DIRECTORS MEETING

South Central Wastewater Authority

May 17, 2018 at 2:00 p.m.

**Location: Appomattox River Water Authority
21300 Chesdin Road, South Chesterfield, Virginia 23803**

PRESENT:

Percy Ashcraft, Chairman (Prince George)
Douglas Smith, Vice-Chairman (Colonial Heights)
Robert B. Wilson, (Dinwiddie)
Joseph Casey, (Chesterfield)
Aretha Ferrell-Benavides, (Petersburg)
George Hayes, Secretary/Treasurer (Alternate, Chesterfield)
Kevin Massengill, (Alternate, Dinwiddie)
Frank Haltom, (Alternate, Prince George)
Lionel Lyons, (Alternate, Petersburg)

STAFF:

Robert C. Wichser, Executive Director, (ARWA & SCWWA)
James C. Gordon, Asst. Executive Director (ARWA & SCWWA)
Arthur Anderson, (McGuire Woods)
Melissa Wilkins, Accounting/Office manager (ARWA & SCWWA)
Kathy Summerson, Administrative Assistant (SCWWA)

OTHERS:

Keith Boswell, CEO, Virginia's Gateway Region

ABSENT:

William Henley, (Alternate, Colonial Heights)
William Dupler, (Alternate, Chesterfield)

Mr. Ashcraft, Chairman, called the meeting to order at 3:40 p.m.

1. Call to Order/Roll Call.

The roll was called.

2. Approval of Minutes: Minutes of the Regular Meeting of the Board on March 15, 2018

Upon a motion made by Dr. Casey and seconded by Mr. Smith the following resolution was adopted:

RESOLVED, that the minutes of the Regular Meeting of the Board on March 15, 2018 are hereby approved:

For: 5 Against: 0 Abstain: 0

3. Public Comment and Public Hearing on Proposed FY 2018/2019 Budget

There were no public comments.

4. Executive Director's Report:

- **No Report This Month**
- **Status Reports: Ongoing Projects/Financials**

Mr. Gordon reported on the Status Reports of Ongoing Projects/Financials and I&I.

5. Approval of Proposed Fiscal Year 2018-2019 Budget

Dr. Wichser reported on the Proposed Fiscal Year 2018-2019 Budget, which was presented and discussed at the January 18, 2018 Board Meeting. He stated the budget was publicly advertised twice and the budget's public meeting was held during the March 15, 2018 Board Meeting.

Dr. Casey stated this is a good budget and what was stated in ARWA's meeting about what's coming ahead of us, he would like it to be included in SCWWA's minutes. (Dr. Wichser stated that he wanted to also remind the Board that in the 2023-2025 era, there is the potential for a major capital upgrade project for the wastewater plant that would be extremely costly [the potential regulatory mandate on upgrading the SCWWA for nitrogen removal]).

Upon a motion made by Ms. Ferrell-Benavides and seconded by Mr. Wilson, the following resolution was adopted:

RESOLVED, that the Board approves the adoption of the advertised budget setting forth rates and charges for Fiscal Year 2019:

For: 5 Against: 0 Abstain: 0

6. Approval of Transitioning to the Commonwealth of Virginia 457 Deferred Compensation Plan

Dr. Wichser stated this item is the same as was presented at the ARWA meeting.

Ms. Wilkins gave a presentation of the Transitioning to the Commonwealth of Virginia VRS 457 Compensation Plan. She explained that both Authorities offer the employees as part of their benefit package that they are allowed to contribute towards the Nationwide provided 457 Plan, and there is no cash match from either Authority. She further explained we do this as a pre-tax payroll deduction. Ms. Wilkins explained that she, Dr. Wichser and Mr. Gordon recently did an in-depth analysis of the Nationwide portfolio performance, and found the costs are relatively high to the individual employee, not only the management fees but the quarterly fees based on Nationwide's portfolio of choice. They decided to reach out to VRS and take advantage of their 457 which is currently managed by ICMARC. She stated that they found their overall portfolio not only is wider in options so that the individual has a better choice of where they would like their dollars invested, but also their management and quarterly fees are significantly less than those of Nationwide. She stated we would like for the Board to consider approving the Executive Director to undertake notice and termination of the Authorities current agreement with Nationwide as the provider for the 457 program, and also authorize the Chairman of the Board to sign the attached Resolution that would allow to then offer the Commonwealth of Virginia's VRS 457 Deferred Compensation Plan to the employees at both Authorities. Mr. Anderson stated there would be separate resolutions for the Authorities. Mr. Ashcraft asked if the rollover from Nationwide to VRS would be seamless and no cost to the Authorities and Ms. Wilkins stated correct. She further stated if it's adopted starting July 1 the employees can start contributing to the new VRS 457 Plan, which may take a month later than that for the rollover to occur because we have to put Nationwide on notice, which could take sixty to ninety days so the rollover could take a little longer. Ms. Wilkins stated the main reason that we did not choose a fund that would open it up where the individual could make their own choices as that would potentially increase the fiduciary liability of the Authority. Mr. Smith asked if there were administrative costs that the Authority pays for posting the plan and Ms. Wilkins replied there is no cost to the Authority. Mr. Smith asked if this gave them a matching opportunity and Ms. Wilkins replied the Authority does not currently match, only for the Hybrid employees. Mr. Massengill asked what percentage of the work force has the 457 and Ms. Wilkins replied 70% of SCWWA employees invest and 30% at ARWA.

Upon a motion made by Dr. Casey and seconded by Mr. Smith the following resolution was adopted:

RESOLVED, that the Board approves the Executive Director to undertake notice and termination of the Authorities current agreement with Nationwide as the provider for the 457 Deferred Compensation Plan and to subsequently roll-over the program into the Commonwealth of Virginia's 457 Deferred Compensation Plan. Staff requests that the Chairman execute the Resolution:

For: 5 Against: 0 Abstain: 0

7. Items from Counsel

There were no Items from Counsel.

8. Closed Session

There was no Closed Session.

9. Other Items from Board Members/Staff Not on Agenda:

There were no other items from Board Members/Staff not on Agenda.

10. Adjourn

Upon a motion made by Mr. Wilson and seconded by Dr. Casey the meeting was adjourned at 3:52 p.m.

The next Regular Meeting is scheduled for Thursday, June 14, 2018 at 2:00 p.m. at the Appomattox River Water Authority.

MINUTES APPROVED BY:

George Hayes
Secretary/Treasurer

3. Public Comment

The Guidelines for Public Comment are:

GUIDELINES FOR PUBLIC COMMENT AT SCWWA/ARWA BOARD OF DIRECTORS MEETINGS

If you wish to address the SCWWA/ARWA Board of Directors during the time allocated for public comment, please raise your hand or stand when the Chairman asks for public comments.

Members of the public requesting to speak will be recognized during the specific time designated on the meeting agenda for “Public Comment Period.” Each person will be allowed to speak for up to three minutes.

When two or more individuals are present from the same group, it is recommended that the group designate a spokesperson to present its comments to the Board and the designated speaker can ask other members of the group to be recognized by raising their hand or standing. Each spokesperson for a group will be allowed to speak for up to five minutes.

During the Public Comment Period, the Board will attempt to hear all members of the public who wish to speak on a subject, but it must be recognized that on rare occasion presentations may have to be limited because of time constraints. If a previous speaker has articulated your position, it is recommended that you not fully repeat the comments and instead advise the Board of your agreement. The time allocated for speakers at public hearings are the same as for regular Board meeting, although the Board can allow exceptions at its discretion.

Speakers should keep in mind that Board of Directors meetings are formal proceedings and all comments are recorded on tape. For that reason, speakers are requested to speak from the podium and wait to be recognized by the Chairman. In order to give all speakers proper respect and courtesy, the Board requests that speakers follow the following guidelines:

- Wait at your seat until recognized by the Chairman;
- Come forward and state your full name and address. If speaking for a group, state your organizational affiliation;
- Address your comments to the Board as a whole;
- State your position clearly and succinctly and give facts and data to support your position;
- Summarize your key points and provide the Board with a written statement or supporting rationale, when possible;
- If you represent a group, you may ask others at the meeting to be recognized by raising their hand or standing;
- Be respectful and civil in all interactions at Board meetings;
- The Board may ask speakers questions or seek clarification, but recognize that Board meetings are not a forum for public debate; Board Members will not recognize comments made from the audience and ask that members of the audience not interrupt the comments of speakers and remain silent while others are speaking so that other members in the audience can hear the speaker;
- The Board will have the opportunity to address public comments after the Public Comment Period has been closed;
- At the request of the Chairman, the Executive Director may address public comments after the session has been closed as well; and
- As appropriate, staff will research questions by the public and respond through a report back to the Board at the next regular meeting of the full Board. It is suggested that citizens who have questions for the Board or staff submit those questions in advance of the meeting to permit the opportunity for some research before the meeting.

4. Presentation by Mr. Jeff Oakley - Oakley Logistics

Following is a Presentation by Mr Jeff Oakley of Oakley Logistics

Presentation to the South Central Wastewater Authority Board of Directors June 14, 2018

**Jeff Oakley
President and Owner Oakley Logistics**

Oakley History

- Company formed in 1981
- Services Provides: Bulk Tanker Trucking, logistics, environmental, leasing, maintenance

Oakley Leachate Experience

- 18 Years
- Dozens of origination points (inside and outside of Virginia)
- Nine delivery and disposal points
- Disposal management
 - Disposal site vetting of leachate
 - Continual compliance with site SOP's to insure safe quality services

Oakley offer to SCWWA

- Drive revenue back close to where it used to be with receiving Waste Management leachate
 - More trucked in revenue derived from leachate equals less financial demand on the 5 jurisdictions that support SCWWA
- Steer leachate we would send to other areas to SCWWA
- Receive rights as the official broker of leachate outside the allowable area (presently 15 miles outside of SCWWA Member borders)
- Follow safety and environmental standards set and monitored by SCWWA

Current project under consideration

- 6 tanker truck loads of leachate per day, 5 days per week

5. Executive Director's Report:

- **Award of Warehouse Construction Contract**

Following is a memo concerning award of the SCWWA Warehouse Construction Contract.

MEMORANDUM

**TO: SOUTH CENTRAL WASTEWATER AUTHORITY
BOARD OF DIRECTORS**

**FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR
JAMES C. GORDON, ASSISTANT EXECUTIVE DIRECTOR**

SUBJECT: AWARD OF MAINTENANCE WAREHOUSE CONSTRUCTION

DATE: JUNE 14, 2018

On April 29, 2018, SCWWA re-advertised for bids related to construction of a new maintenance warehouse. The bid included the furnishing of all labor, materials, equipment, tools and services, and installation and construction of the fifty by one-hundred foot warehouse including electrical conduit installation and wiring, and lighting along with building a small interior office/inventory control room. The bids were opened on May 23, 2018 at 2:00 PM.

This project was Board approved in May 2017 with the acceptance of the 2017-2018 SCWWA Replacement Fund projects with a budget of \$800,000. The consultant engineer's January 2018 construction cost estimate had projected construction costs at \$636,000.

The bids came in as follows:

Harland Construction	\$902,568
Southwood Building Systems	\$933,055
Unlimited Construction	\$756,111.73
Brooks and Company Construction	\$723,400
Concrete Foundation Construction	\$648,257.50

WW Associates has reviewed the contractor-submitted bid information and has recommended awarding this project to Brooks and Company Construction of Chesterfield, Virginia. Concrete Foundation Construction was disqualified from the project since they did not meet the specification of Section 01200 of the Project Manual which states, "The firm of the General Contractor for this project should represent at least five (5) years of experience working in at least five (5) building erection projects of similar design in the Commonwealth of Virginia to the satisfaction of the Engineer to be considered qualified to construct this project". Upon further review of Concrete Foundations, Inc. bid

form, there was a math error on Base Bid Item No. 2(c) Load Test. The error equates to a mistake that would have lowered the bid item by \$12,000. Concrete Foundations, Inc. claimed that this was an error, and they do not want to lower the bid in accordance with the correct math. In fact, Concrete Foundations, Inc. then submitted documentation requesting their bid be increased to \$699,350 from \$648,257.50.

Project costs are as follows:

- WW Associates engineering cost (Design including needed surveys, soil borings/structural foundation design, permits, environmental assessment, nutrient credits assistance, bidding assistance, construction administration & inspection) on the warehouse construction project: \$88,564
- Contractor Cost: \$723,400
- Project cost (engineering and construction contractor): \$811,964
- May 2017 Board approved project budget: \$800,000
- Request use of \$84,304 (includes \$11,964 for construction and \$72,340 for contingency only if needed) from excess 2018 nutrient funds (presently \$250,000)

BOARD ACTION REQUESTED:

Staff requests that the Board award the SCWWA Maintenance Warehouse construction to Brooks & Company Construction of Chesterfield, Virginia in the amount of \$723,400. Staff is requesting approval to use \$84,304 from excess 2018 nutrient funds which includes a contingency of ten percent (\$72,340), and that the Executive Director be authorized to execute necessary change orders in additional amounts if deemed necessary to complete this project.

- **July 1, 2018 to December 31, 2018 Work Plan Summary/Update**

Following for your review is the Executive Level Strategic Work Plan Summary/Update for the South Central Wastewater Authority

South Central Wastewater Authority

Executive Level Strategic Work Plan Summary/Update

January 1, 2018 to June 30, 2018

UPDATE: July 1, 2018 to December 31, 2018

Purpose: Provide the South Central Wastewater Authority with a plan to ensure 100% total compliance with the Virginia Pollution Discharge Elimination System Permit discharge limitations

This information is provided at the request of the Board and is intended to highlight key/critical activities that are planned and expected to be accomplished during the next six months. We realize that unplanned circumstances could occur that impact the Authority's financial capability to complete the tasks and projects, and are totally out of the control of Authority management. Projects are dependent on funding, engineering consultants and contractors.

Overarching Goal: The Authority will continue to meet permit discharge limits by operating and maintaining the wastewater plant system in an efficient and economical manner, consistent with good business, engineering and operating practices.

- The Authority's goal is to meet or exceed the requirements of the Virginia Pollution Discharge Elimination System Permit discharge limitations.

Construction Projects:

1. Implement and complete the grit classifier and scum contractor project that was programmed for the FY 2016/17 year: July 1, 2017 - *Project is currently out to bid with bid opening date of July 27, 2017.* This project is expected to be completed along with the scum concentrator unit's replacement by June 30, 2018.
Update: *Bid process was completed with Anderson Construction awarded the construction contract. Notice to Proceed was issued on January 9, 2018. This project is expected to be completed along with the scum concentrator unit replacement by October 2018.*
2. July 1, 2017-December 31, 2017: Enter design phase on new warehouse with office.
Update: *The new warehouse design was completed in December 2017. The first bid opening was on April 11, 2018 and all bids were rejected. The City of Petersburg site review plan and required storm water Declaration of Covenants approval have been received. Next phase: Re-Bid project (Re-Bids were opened on May 23, 2018) and award the construction contract. Expect construction to be completed by April 30, 2019.*
3. July 1, 2017-December 31, 2017: Clarifiers No. 1 & 2 grout base replacement:
Update: *This project was awarded to Anderson Construction as part of the above Scum & Grit project. We expect that Clarifiers No. 1 & 2 grout work will be completed by August 2018.*

Administration:

Proceed with investigation of opportunities that provide ancillary income from landfill leachate.

Update: *This issue is continuously reviewed as opportunities arise.*

Develop and advertise need for a utility rate study RFP, hire consultant and complete utility rate study by June 30, 2019.

1. January-May 2018: Develop, present, defend and issue a public notice on the proposed 2018/19 Operations & Maintenance Budget including Capital Projects proposed: **Completed**
2. August 1, 2018-December 31, 2018: Working with department Managers and Assistant Director towards development of 2019/2020 operating and replacement budget, and present to member engineers in November for review and comments.

Biosolids Handling Facility: Working with outside engineering experts, develop a technical review and upgrade plan for the Bio solids dewatering facility to support the biosolids dewatering activity over the next 20 years.

Facility Instrumentation/SCADA Upgrades: Develop SCADA/Network Master Plan

Financial Auditing: August 2018-October 2018: Prepare and support documentation towards annual outside financial audits by outside accountants. Present required annual financial audit findings at the November Board Meeting.

Facility Process Chemicals: July/August 2018-Issue new 12 month dechlorinating chemical contract upon receiving lowest outside bid.

On-Going Department Goals

Administration/Warehouse:

- Implement inventory control processes and procedures so that “Cycle Counts” of inventories can be performed throughout the year: **Update: Continues to be underway**

Maintenance Department:

- Complete mechanical/electrical training for employees as needed
- Maintain schedule of preventive maintenance activities
- Effective and rapid response on corrective actions towards equipment failures
- Maintain parts and equipment inventory in a cost effective manner; Inventory control has been reviewed and warehouse control efforts are underway.

Laboratory Department:

- Maintain Discharge Permit analytical testing requirements
- Maintain effective Pre-Treatment Program which includes supporting SCWWA Member needs related to DEQ’s Pre-Treatment regulatory requirements

Operations Department:

- Maintain wastewater plant effluent quality at all times to meet federal/state discharge permit limits

- Ensure all Operators maintain DPOR required annual training requirements
- Ensure all Operators continue to strive for Class 1 Wastewater Operator license
- Maintain Wastewater Facility in a clean and orderly manner

IT/Instrumentation Office:

- Ensure all process instrumentation is functional and accurate
- Ensure the Supervisory Control and Data Acquisition System is functioning to enable Operations Department to operate the process control equipment
- Ensure SCWWA computer functions are protected from outside interference

- **Status Report: Ongoing Projects/Operational/Financials/I&I**

Following are status reports concerning the Ongoing Project, Operations, Financials, and Inflow and Infiltration for the SCWWA.

MEMORANDUM

TO: SOUTH CENTRAL WASTEWATER AUTHORITY BOARD OF DIRECTORS

FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR
JAMES C. GORDON, ASSISTANT EXECUTIVE DIRECTOR

SUBJECT: STATUS REPORT – ON-GOING PROJECTS

DATE: June 14, 2018

The following projects are underway. This report includes sections on Capital projects and large replacement projects.

Wastewater Treatment Plant Improvements, Phase 2

- Contractor has remobilized. The scum concentrators have been moved into the building and are being installed.
- One grit classifiers has been received. The second grit classifier has not arrived as of yet.
- The concrete work in the secondary clarifier has started. The grout is 4 inches thick in lieu of 2 inches thick. Negotiating with the Contractor relative to this matter.

Warehouse Project

- We have obtained site plan approval by the City of Petersburg.
- Five bids were received on May 23, 2018. Engineers Bid recommendation is to award to Brooks and Company, General Contractors, the second low bidder, in the amount of \$ 723,400.

MEMORANDUM

TO: SOUTH CENTRAL WASTEWATER AUTHORITY BOARD OF DIRECTORS

FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR
JAMES C. GORDON, ASST. EXECUTIVE DIRECTOR

SUBJECT: OPERATING & FINANCIAL STATUS REPORT

DATE: June 14, 2018

Operating Status Report:

General:

- The next scheduled Board of Directors meeting is July 19, 2018 at the Appomattox River Water Authority at 2:00 pm.
- The Authority continues to receive only receiving 1 load of Leachate per day.
- Work continues on transitioning to the new 457 program.
- Performance evaluations have been received by Management and are being reviewed.

Status of Nutrient Waste-load

- Total Phosphorus (TP)
 - Waste-load allocation Total Phosphorus: 28,404 lbs. on a calendar basis.
 - Proportional waste-load through May 2018 = 10,117 lbs. Total actual waste-load through May 2018 was 11,835 lbs. (At this time, the SCWWA is 1,718 lbs. of TP under our expected waste-load allocation for this point in the year)
- Total Nitrogen (TN)
 - Waste-load allocation Total Nitrogen: 350,239 lbs. on a calendar basis
 - Proportional waste-load through May 2018 = 145,933 lbs. Total actual waste-load through May 2018 was 191,441 lbs. (At this time, the SCWWA is 45,508 lbs. of TN over our expected waste-load allocation for this point in the year.)
 - Note: The SCWWA is locked-in to purchasing an additional 167,685 credits for 2018.

Operations:

- Plant effluent met all discharge permit requirements for the months of May. Copies of the discharge monitoring reports (DMR's) for the VPDES permit and the general permit are available.
- Staff continues to work with Synagro to remove biosolids on a routine basis
- Staff is reviewing the potential impact of a new ammonia standard.

Maintenance:

- Staff is working on the Live Bottom Bin #1.

Instrumentation

- Staff is preparing to construct the new PLCs. Supplies are onsite and this will be built in-house

Laboratory

- The ARWA/SCWWA Lab Manager is leaving the Authorities on June 8th. The Supervisors are currently taking on the additional responsibilities.
- Proficiency Testing (PT) was completed and evaluation of the results is ongoing.

Financial Status Report:

Following is the Executive Summary of the Monthly Financial Statement that includes the YTD Budget Performance and the Financial Statement for May 2018.

South Central Wastewater Authority

For Month Ending May 31, 2018

Assets

Current Assets

Petty Cash	\$	250
Wells Fargo Operating Account	\$	2,562,863
Total Unrestricted Cash	\$	2,563,113

Wells Fargo Reserve	\$	3,829,252
Wells Fargo Capital Improvement Reserve	\$	1,989,616
ERRF	\$	2,851,295
Total Restricted Cash	\$	8,670,164

Total Checking/Savings **\$ 11,233,277**

Accounts Receivable	\$	376,719
Long Term Receivable (Petgs/Legal)	\$	-

Total Current Assets **\$ 11,609,996**

Fixed Assets

Sewer System Plant	\$	33,352,033
Equipment & Vehicles	\$	2,974,264
Plant Machinery	\$	7,408,956
Construction in Progress	\$	1,907,962
Land	\$	92,968
Accumulated Depreciation	\$	(27,480,849)
Total Fixed Assets	\$	18,255,333

Other Assets

Inventory	\$	656,081
Pension	\$	113,903

Total Other Assets **\$ 769,985**

Total Assets **\$ 30,635,314**

Liabilities & Equity

Current Liabilities

Accounts Payable	\$	23,045
Total Current Liabilities	\$	23,045

Other Current Liabilities

Payroll Accruals	\$	215,586
Retainage Payable	\$	-
Suspense-Clearing Account	\$	677,899
Refunds Due Member Localities	\$	-
Total Other Current Liabilities	\$	893,484

Long Term Liabilities

Net OPEB Obligation	\$	71,800
Def Inf Res-Net Dif Pension Inv	\$	100,446
Net Pension Liability	\$	495,295
Total Long-Term Liabilities	\$	667,541

Total Liabilities **\$ 1,584,071**

Equity

Retained Earnings	\$	12,808,125
Initial Locality Contribution Cap.	\$	14,166,822

Net Income	\$	2,076,296
Total Equity	\$	29,051,243

Total Liabilities & Equity **\$ 30,635,314**

South Central Wastewater Authority
YTD Income Statement for the period ending May 31, 2018

Wastewater Rate Center

Revenues and Expenses Summary

Operating Budget vs. Actual

Revenues

	<i>Budget</i> <i>FY 17/18</i>	<i>Budget</i> <i>Year-to-Date</i>	<i>Actual</i> <i>Year-to-Date</i>	<i>Budget</i> <i>vs. Actual</i>	<i>Variance</i> <i>Percentage</i>
Septage/Misc Revenue	\$ 1,500,000	\$ 1,375,000	\$ 971,082	\$ (403,918)	-29.38%
O&M Revenue	\$ 7,084,300	\$ 6,493,942	\$ 6,493,942	\$ 0	0.00%
Reserve Policy	\$ 685,868	\$ 628,712	\$ 628,712	\$ (0)	0.00%
ER&RF Revenue	\$ 429,215	\$ 393,447	\$ 393,447	\$ (0)	0.00%
Total Operating Revenues	\$ 9,699,383	\$ 8,891,101	\$ 8,487,182	\$ (403,919)	-4.54%

Expenses

Personnel Cost	\$ 2,629,500	\$ 2,410,375	\$ 2,429,534	\$ 19,159	0.79%
Contractual/Professional Services	\$ 346,300	\$ 314,981	\$ 177,836	\$ (137,144)	-43.54%
Utilities	\$ 247,924	\$ 449,167	\$ 397,402	\$ (51,764)	-11.52%
Communication/Postage/Freight	\$ 20,000	\$ 25,667	\$ 26,361	\$ 695	2.71%
Office/Lab/Purification Supplies	\$ 73,500	\$ 68,042	\$ 54,593	\$ (13,449)	-19.77%
Insurance	\$ 65,000	\$ 65,000	\$ 61,190	\$ (3,810)	-5.86%
Lease/Rental Equipment	\$ 11,000	\$ 10,083	\$ 7,596	\$ (2,487)	-24.67%
Travel/Training/Dues	\$ 63,600	\$ 63,600	\$ 36,340	\$ (27,260)	-42.86%
Safety/Uniforms	\$ 41,500	\$ 38,042	\$ 31,624	\$ (6,417)	-16.87%
Chemicals/Sludge Disposal	\$ 910,000	\$ 834,167	\$ 676,353	\$ (157,814)	-18.92%
Repair/Maintenance Parts & Supplies	\$ 492,500	\$ 451,458	\$ 350,362	\$ (101,096)	-22.39%
Total Operating Expenses	\$ 4,900,824	\$ 4,730,581	\$ 4,249,192	\$ (481,389)	-10.18%
Operating Suplus/(Deficit)	\$ 4,798,559	\$ 4,160,520	\$ 4,237,990	\$ 77,470	1.86%

Replacement Outlay Budget vs. Actual

Machinery & Equipment	\$ 350,000	\$ 320,833	\$ 142,351	\$ (178,482)	-55.63%
Instrumentation	\$ 43,500	\$ 39,875	\$ 2,430	\$ (37,445)	-93.91%
SCADA	\$ 36,000	\$ 33,000	\$ 24,361	\$ (8,639)	-26.18%
Computer Equipment	\$ 25,600	\$ 23,467	\$ 17,044	\$ (6,423)	-27.37%
Motor Vehicles	\$ 75,000	\$ 68,750	\$ 65,359	\$ (3,391)	-4.93%
Construction	\$ 1,540,000	\$ 1,411,667	\$ 960,670	\$ (450,997)	-31.95%
Special Studies	\$ 35,000	\$ 32,083	\$ 10,268	\$ (21,815)	-67.99%
Total Replacement Outlay	\$ 2,105,100	\$ 1,929,675	\$ 1,222,483	\$ (707,192)	-36.65%

Other Income/Expense Budget vs. Actual

Nutrient Credit Purchases (Expense)	\$ 860,000	\$ 788,333	\$ 719,792	\$ 143,333	18.18%
Nutrient Reduction	\$ -	\$ -	\$ 4,342	\$ -	#DIV/0!
Interest-Jurisdictions (Income)	\$ -	\$ -	\$ (220,864)	\$ (220,864)	#DIV/0!

MEMORANDUM

TO: SOUTH CENTRAL WASTEWATER AUTHORITY BOARD OF DIRECTORS

FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR
JAMES C. GORDON, ASSISTANT EXECUTIVE DIRECTOR

SUBJECT: INFLOW AND INFILTRATION

DATE: June 14, 2018

May 2018 brought 8.46 inches of rain around the South Central Wastewater Authority. This was the wettest May in recorded history. As you can see in the data below this has a significant impact on the flows to the South Central Wastewater Authority. The Max daily flow for May 2018 was almost double those of any May since 2012. The average flows were also high compared to the flows typically seen in the May since 2012.

Month	Rainfall (inches)	Average Flow (mgd)
May 2017	6.88	12.444
June 2017	2.19	10.264
July 2017	4.38	9.741
August 2017	8.78	13.098
September 2017	1.27	11.028
October 2017	3.64	8.988
November 2017	1.52	9.464
December 2017	1.43	9.487
January 2018	3.69	11.842
February 2018	2.64	13.606
March 2018	2.94	12.093
April 2018	4.73	11.974
May 2018	8.46	15.221

PRIMARY FLOW DATA

May	2018	2017	2016	2015	2014	2013	2012
Minimum (mgd)	8.881	9.331	9.535	10.890	10.367	10.972	9.693
Maximum (mgd)	43.060	18.654	11.498	23.441	22.924	17.729	16.078
Average (mgd)	15.221	12.444	10.379	13.098	13.307	13.391	10.887
Rainfall (inches)	8.460	6.88	2.55	4.24	3.64	4.42	2.76

6. Items from Counsel

7. Closed Session

8. Other Items from Board Members/Staff Not on Agenda

9. Adjourn