

MINUTES

The Commissioners of Public Works of the City of Spartanburg, SC, Regular Meeting, held at 200 Commerce Street, Spartanburg, SC, June 26, 2018, at 3:00 p.m.

Copies of the agenda were forwarded to the following news media: Spartanburg Herald-Journal, The Spartan Weekly, Greenville News, The Greer Citizen, Hometown News, WSPA-TV 7, WYFF-TV 4, WLOS-TV 13, WHNS Fox Carolina, WORD News Radio, WOLT-FM Radio, Tribune Times, and the Times Examiner.

Commissioners present were Ms. Viney, Mr. Littlejohn, and Mr. Montgomery. No one was absent.

The meeting was opened with the following statement:

This is a regular meeting of The Commissioners of Public Works of the City of Spartanburg, SC. Written notice of the date, time, and place for this meeting, along with the agenda, has been posted in the lobby and on the Spartanburg Water website, and copies forwarded to local and nearby news media, at least 24 hours prior to this meeting.

1. APPROVAL OF MINUTES OF REGULAR MEETING OF MAY 22, 2018

Mr. Littlejohn moved and Ms. Viney seconded the motion to approve the minutes as written. The motion passed unanimously.

2. MONTHLY FINANCIAL REPORT

Newt Pressley presented a financial summary of SWS expenditures and revenues for the eleven-month period ending May 31, 2018. An explanation was provided for the favorable and unfavorable budget variances.

Based on the favorable budget position, additional transfers will be made to the Rate Stabilization Fund and the Meter/Endpoint Fund.

The above was provided as information to the Commission.

3. PRESENTATION BY DR. JOHN RODGERS AND MR. TERRY GOLDSBY

Ken Tuck introduced Dr. John Rodgers from Clemson University and Terry Goldsby, President of Aqua Services.

Mr. Tuck provided an update to the Commission on source water management. This included a review of treatment strategies as well as the recent algaecide application on Reservoir #1 on May 14 and Lake Bowen on May 15. There was a fish loss a few days following these applications. SWS made immediate notification to the SCDNR and followed up with a letter within five days following notification, as required. SCDNR mobilized and took over the fish count and related activities. SWS provided all data to SCDNR, our experts that work with SWS (Dr. John Rodgers and Terry Goldsby), and the SC Office of pesticide regulation for these agencies to review and determine what caused the fish loss. SWS just received the final report from the South Carolina Office of Pesticide Regulations, which found no violation of law in the application.

Dr. John Rodgers from Clemson University provided a presentation to the Commission on adaptive management strategies to reduce taste and odor in

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source water within Spartanburg Water Lakes as well as provided an update on their initial findings related to fish loss.

Dr. Rodgers stated that reviewing these type of situations helps to learn adaptive management. It is important to take what we learn from these so that they don't happen again. It appears that multiple factors seem to be involved in contributing to the recent fish loss. Dr. Rodgers reviewed these factors. Spartanburg Water has very good water, but unique characteristics for water sources. These differences contribute to exposure modifying factors, factors that influence something like algaecide applications. Dr. Rodgers stated that being aware of that and fine tune for these reservoirs, which include the skills of Terry Goldsby, of Aqua Services, and their team that contribute to this process and application. These treatments are customized as needed based on water data and unique characteristics of the water source. Dr. Rodgers stated that they studied fish samples, as well as data prior to the application and following the application. The fish data did not indicate that the fish did not die from the algaecide application. Dr. Rodgers stated that SCDNR has not finalized their report yet, but the South Carolina Office of Pesticide Regulations has provided their final report. These reports will be studied to further fine tune future applications.

Ms. Schneider stated that spikes in nutrients in the reservoir following rain events continue to take place. Management has a range of strategies to maintain water quality and will continue to use these strategies.

Ms. Viney asked if management would be providing a final report after receiving the report from SCDNR. Ms. Schneider stated that the reports being provided from the various resources will be used by the experts to continue to refine future applications of algaecide.

Ms. Schneider noted that there was an algaecide application, there was a fish loss a few days later, not an immediate loss of fish. The application kills algae and that changes the ecosystem and some fish were affected by that change in the ecosystem.

4. WATER QUALITY UPDATE FOR LAKE WILLIAM C. BOWEN AND MUNICIPAL RESERVOIR #1

Ken Tuck provided an update on source water quality for Lake William C. Bowen and Municipal Reservoir #1. This update included data on the Geosmin levels and rain events.

Ms. Schneider stated that the Oxygenation System is responding well to address most nutrient spikes, larger spikes usually occur after significant rain events.

5. RECEIPT OF BIDS – LAKE BOWEN DAM SAFETY BARRIER PROJECT

Bids were received for the Lake Bowen Dam Safety Barrier Project on June 12, 2018. The project consists of the installation of approximately 640 feet of safety barrier across Lake Bowen at the dam, including approximately 20 "Dam Ahead" warning signs. The safety barrier will extend from shoreline to shoreline in front of the dam. The project is to provide additional visibility

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and safety adjacent to the Lake Bowen Dam, and will help mitigate safety risks associated with the general public as they recreate on Lake Bowen.

Three contractors obtained the bid documents for the project with one contractor submitting a bid. A tabulation of the responses is listed below:

<u>BIDDER</u>	<u>AMOUNT OF BID</u>
Henley’s Construction Co., Inc. Cheraw, SC	\$74,900
SE Diving Services, LLC Greenville, SC	NO BID
American Engineering Consultants, Inc. Cayce, SC	NO BID

Management recommended awarding the contract to the lowest responsive bidder, Henley’s Construction Co., Inc., of Cheraw, SC, based on their bid of \$74,900. This project is being funded by SWS capital funds.

Gene Jackson provided a brief overview of this project to the Commission.

Mr. Littlejohn moved and Ms. Viney seconded the motion to approve management’s recommendation to award the contract to the lowest responsive bidder, Henley’s Construction Co., Inc. The motion passed unanimously.

6. APPROVAL OF DREDGING ACTIVITIES ON LAKE BOWEN

Mr. Christopher Scott Coggins, who has property adjacent to Lake Bowen, has secured a permit from the South Carolina Department of Health and Environmental Control (SCDHEC) to perform dredging activities in the area of the lake associated with his property. The requested dredging activities have been reviewed by Spartanburg Water staff and are consistent with Spartanburg Water System’s Policies and Procedures for Use of Water Supply Reservoirs, Revised May 2017.

Management recommended that the Commission approve the request by Mr. Christopher Scott Coggins to perform dredging activities as permitted by SCDHEC and defined by Spartanburg Water.

Ms. Schneider stated that occasionally a home owner will make a request to dredge the lake. Once the home owner receives a permit from SCDHEC, SWS reviews the dredging activities and confirms they are consistent with Spartanburg Water System’s Policies and Procedures for Use of Water Supply Reservoirs, Revised May 2017. Upon confirmation, management will request Commission approval.

Mr. Littlejohn moved and Ms. Viney seconded the motion to approve management’s recommendation to approve the request by Mr. Christopher Coggins to perform dredging activities as permitted by SCDHEC and defined by Spartanburg Water. The motion passed unanimously.

7. STEEL WATER TANK MAINTENANCE PROGRAM

On May 23, 2017, the Commission approved the award of a contract to Wiedeman and Singleton Incorporated to perform inspection services on 15 steel tanks and to develop a maintenance schedule for these tanks based on the condition assessed during the field inspections. The proposed maintenance schedule identified improvements recommended to maintain the steel tanks. Wiedeman and Singleton has provided a proposal with a scope of work to assist with the completion of these improvements and to continue performing annual inspections of the steel tanks. The scope of services includes the following:

Construction Related Tasks

- Foundation repairs at the Boiling Springs Ground Storage Tank
- Demolition of the two lime silos at the Whitlock Water Treatment Facility
- Demolition of the lime silo at the Simms Water Treatment Facility
- Steel Water Tank Rehabilitation - Complete improvements to the water tanks including 18 washouts, the completion of miscellaneous modifications to seven tanks and rehabilitation of existing interior coatings on two tanks. The construction will be completed as multi-year/multi-tank projects and will include each of the identified tanks in the maintenance schedule through 2021.

Sub-Total - \$143,259

Annual Inspection Services Task

- Annual visual inspections through 2021 – Each water tank will be visually inspected on the exterior and interior while the tank is in service. The inspections will be performed by a National Association of Corrosion Engineers Certified Coatings Inspector (NACE) in accordance with AWWA standards and DHEC requirements.

Sub-Total - \$46,545

Management recommended awarding a professional services contract to Wiedeman and Singleton, Incorporated for an estimated cost of \$189,804. Funding for this project is from depreciation funds.

Gene Jackson provided a brief overview of the steel water tank maintenance program and management’s direction to proceed.

Mr. Littlejohn moved and Ms. Viney seconded the motion to award a professional services contract to Wiedeman and Singleton, Incorporated. The motion passed unanimously.

8. PARTICIPATION PROJECT CONSISTENT WITH OUTSIDE CITY WATER MAIN EXTENSION POLICY – 1591 MOUNT ZION ROAD

The water main extension which consists of approximately 315 LF of 6-inch water main, is consistent with the SWS Water Main Extension Policy. It will be billed at the outside city rate plus surcharge until such time as the full share is recovered.

The water line design has been upsized to an 8-inch line for future growth in the area which increased the original project estimate from \$8,900 to \$16,700. The property owner's participation cost is still based on the original estimate, and not the future growth estimated cost.

Management recommended Commission approve the above.

Mr. Littlejohn moved and Ms. Viney seconded the motion to approve the participation project consistent with the outside city water main extension policy for 1591 Mount Zion Road. The motion passed unanimously.

9. AGREEMENTS EXECUTED BY THE CHIEF EXECUTIVE OFFICER ON BEHALF OF THE COMMISSION

The following agreements have been executed on behalf of the Commission by the Chief Executive Officer in accordance with the resolution adopted by the Commission on March 28, 1989.

A. Inside City Private Fire Protection Agreements

(1) 141 Venture Blvd

141 Venture Blvd located at 141 Venture Boulevard in Spartanburg, SC wishes to connect an 8-inch water line to the Commission's 8-inch water line along Venture Boulevard to serve a private fire protection system, including one private hydrant, for the above-mentioned commercial building. 141 Venture, LLC wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$465.76

(2) United Community Plaza

United Community Plaza located at 449 E. Main Street in Spartanburg, SC wishes to connect a 6-inch water line to the Commission's 8-inch water line along E. Main Street to serve a private fire protection system, including one private hydrant, for the above-mentioned commercial venture. United Community Bank wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$297.52

B. Outside City Private Fire Service Agreements

(1) Palmetto Eye and Surgery

Palmetto Eye and Surgery located at 1520 Boiling Springs Road in Boiling Springs, SC wishes to connect an 8-inch water line to the Commission's 12-inch water line along Parris Bridge Road to serve a private fire protection system, including two private hydrants, for the above-mentioned health care facility. Tico Partners, LLC wishes to enter into an agreement for this service.

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Annual Stand-by Revenue - \$921.84

(2) Woodbridge Senior Care

Woodbridge Senior Care located at 2902 E. Main Street Extension in Spartanburg, SC wishes to connect a 6-inch water line to the Commission's 12-inch water line along E. Main Street/Hwy 29 to serve a private fire protection system, including one private hydrant, for the above-mentioned senior living facility. CR Woodbridge, LLC wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$446.32

(3) Delta Express

Delta Express, Inc., located at 4450 Parris Bridge Road in Boiling Springs, SC wishes to connect a 6-inch water line to the Commission's 12-inch water line along Parris Bridge Road to serve a private fire protection system, including one private hydrant, for the above-mentioned commercial enterprise. Delta Express, Inc., wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$446.32

C. Outside City Water Main Extension Agreements

(1) Kimbrell Oaks

ARCAAE, LLC is developing the Kimbrell Oaks Subdivision off of Berry Road. This phase of the development will consist of 25 residential lots, approximately 570 LF of 6-inch water main, 650 LF of 4-inch water main and one fire hydrant. The developer will bear all costs.

(2) Weststone Townhomes

South Tyger Properties, LLC is developing 1,685 LF of 8-inch water main, 1,595 LF of 6-inch water main, and 97 LF of 4-inch water main and four fire hydrants. SWS will participate in the off-site water main construction cost in accordance with the Water Main Extension Policy.

D. Lake Agreements

Applications have been submitted and all fees have been paid on the following Lake Agreements.

- (1) Connie J. Smith** desires to construct a dock and hard pathway at Lake Blalock.
- (2) Michael McGuire** desires to replace a dock and boat lift at Lake Bowen.
- (3) Timothy Eugene Bailey and Peggy B. Bailey** desire to construct a personal watercraft lift at Lake Bowen.

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- (4) **Stephan Duthie** desires to construct a new dock and hard pathway at Lake Blalock.
- (5) **Gordon J. Ray and Jennifer B. Ray** desire to construct a dock and hard pathway at Lake Blalock.
- (6) **Ronald J. Brown and Amy D. Brown** desire to construct a new dock at Lake Blalock.
- (7) **David R. Scherping and Wendy C. Scherping** desire to replace a dock at Lake Blalock.
- (8) **Andrew Hayden and Diane Hayden** desire to replace a dock, personal watercraft lift, and boat lift at Lake Bowen.

The above was provided as information to the Commission.

10. **NEGOTIATIONS AND MISCELLANEOUS ADMINISTRATIVE MATTERS**

- A. Ms. Schneider noted that an opportunity for an advisory group of individuals from Lake Bowen to meet with a facilitator and provide feedback to SWS. A location and date will be finalized for an informational meeting in August with home owners.

Meeting adjourned 3:31 p.m.

G. Newton Pressley
Secretary-Treasurer

tbh