

MINUTES

The Commissioners of Public Works of the City of Spartanburg, SC, Regular Meeting, held at 200 Commerce Street, Spartanburg, SC, August 22, 2023, 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 JUNE 27, 2023

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

2. MONTHLY FINANCIAL REPORT

Cam Cole presented a financial summary of SWS expenditures and revenues for the twelve-month period ending June 30, 2023, and one-month period ending July 31, 2023. An explanation was provided for the favorable and unfavorable budget variances.

The above was provided as information to the Commission.

3. MASTER SERVICES AGREEMENT FOR PROFESSIONAL CIVIL ENGINEERING, ENVIRONMENTAL AND REGULATORY CONSULTING SERVICES

Spartanburg Water System (SWS) recently requested a proposal from CDM Smith to provide a Master Services Agreement for professional engineering services on an as needed basis. CDM Smith specializes in a wide variety of disciplines related to the drinking water industry and Spartanburg Water has a long-standing relationship with CDM Smith.

Due to their qualifications and experience, as well as familiarity with water resource and environmental based planning, SWS is interested in establishing a Master Services Agreement for engineering services as needed.

The proposed Master Services Agreement for professional services is based on a time and expense basis in accordance with an established schedule of fees.

Management recommended the Commission authorize the Chief Executive Officer to enter into a Master Services Agreement with CDM Smith for professional engineering services.

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Rick Jolley provided the Commission with an overview of the Master Services Agreement for the Professional Civil Engineering, Environmental and Regulatory Consulting Services agenda item.

Mr. Littlejohn moved and Ms. Viney seconded the motion to approve management's recommendation to authorize the Chief Executive Officer to enter into a Master Services Agreement with CDM Smith for professional engineering services. The motion passed unanimously.

4. PROFESSIONAL SERVICES FOR R.B. SIMMS WATER TREATMENT PLANT FILTER #7 REPAIR PROJECT

Spartanburg Water owns, operates and maintains eleven dual media filters at its R.B. Simms Water Treatment Plant. Filter #7 is currently inoperable due to an underdrain failure. A forensic analysis by the manufacturer's representative and subject matter experts revealed grout separation at several anchor points at the bottom of a series of filter laterals. With Filter #7 out of service, available drinking water production capacity is reduced by 8.2 million gallons per day.

Staff recently requested a proposal from Black and Veatch, under an existing Master Service Agreement, to provide design, bidding, and construction administration services necessary to support a Capital Project that will return Filter #7 to service, and restore full drinking water production capacity to the R.B. Simms Treatment Plant.

Management recommended the approval of a professional services contract with Black and Veatch based on a lump sum amount of \$89,528. Funding will be provided from capital funds.

Rick Jolley provided the Commission with an overview of the Professional Services for R.B. Simms Water Treatment Plant Filter #7 Repair Project agenda item.

Ms. Viney moved and Mr. Littlejohn seconded the motion to approve management's recommendation to approve a professional services contract with Black and Veatch. The motion passed unanimously.

5. RED HILL LANE – LANDRUM WATERLINE EXTENSION

Bids were received August 10, 2023, for the installation of approximately 3,080 LF of 8-inch DI Pipe and associated water pipeline appurtenances. In addition, the selected contractor will also be responsible for re-establishing five water service line connections. The pipeline work is located along Red Hill Lane in Landrum and will improve system redundancy and fire protection. The Bid was advertised in the Herald-Journal, SCBO, and on the SWS website. In addition, because of the anticipated cost of construction, staff invited all the prequalified contractors to submit a bid.

Bid information was distributed to 22 interested contractors. Bids received included:

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<u>BIDDER</u>	<u>AMOUNT OF BID</u>
T.P. Howard’s Plumbing, Inc. Fairview, NC	\$357,000
HRH Engineering Services, LLC Chesnee, SC	\$427,660
Faulkner Development & Engineering, LLC Hickory Grove, SC	\$637,650

Management recommended the award of the contract for the Red Hill Lane – Landrum Waterline Extension project to T.P. Howard’s Plumbing, Inc., of Fairview, NC, in the amount of \$357,000. The project will be funded by the distribution system rehabilitation fund.

Rick Jolley provided the Commission with an overview of the Red Hill Lane – Landrum Waterline Extension agenda item.

Ms. Viney moved and Mr. Littlejohn seconded the motion to approve management’s recommendation to award the contract for the Red Hill Lane – Landrum Waterline Extension project to T.P. Howard’s Plumbing, Inc. The motion passed unanimously.

6. WATER QUALITY REPORT

Rick Jolley provided a Water Quality update to the Commission.

Mr. Jolley stated that Reservoir #1 Intake Structure: Geosmin – 11 PPT and MIB was less than detect. Finished water entering the distribution system: Geosmin – 4 PPT and MIB was less than detect.

Mr. Jolley noted that the algae counts are likely to increase with the increased water temperatures. The AO System is online and will be able to handle and remove these algae count increases and remove taste and odor compounds as well.

Ken Tuck stated there has been a transition in the types of algae species, so there has been different algae growth.

Mr. Jolley noted that the AO System removes the constituents in the raw water, with reduced disinfectant byproducts. The cost benefits of reduced disinfectant byproducts during the treatment process, and a reduction of algaecide treatments, the reduction in costs will be significant.

Ms. Viney asked if algaecide treatments are eliminated, will this eliminate the chance for fish loss. Mr. Jolley stated that there will be a need for algaecide treatments, but they will be much less.

Mr. Littlejohn asked if SCDNR enforces their proposed fee for the fish loss, will this cost be shared with the algaecide application company. Mr. Boyle stated that SCDHEC is the enforcement arm for SCDNR on this fee. If a fee is enforced, Spartanburg Water will work through the process at that time.

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The above was provided as information to the Commission.

7. R.B. SIMMS WATER TREATMENT FACILITY IMPROVEMENTS – CHANGE NOTIFICATION FOR FINAL CONTRACT CLOSEOUT

On October 23, 2018, the Commission approved the award of a Construction Manager at Risk (CMAR) contract with Harper Corporation General Contractors (Harper) for the R.B. Simms Facilities Improvements Project.

Amendments 1 and 2 to the CMAR contract were executed in December of 2019 for the early works portion of the project, which consisted of additional Alum Storage, the rehab of filter #10, and modifications to the existing filter valves and controls. These amendments allowed construction to begin while design of the intake, raw water main, and advanced oxidation system was finalized. Construction of these amendments was completed in April 2021.

On June 23, 2020, the Commission authorized the Chief Executive Officer to execute an additional amendment to the CMAR contract with Harper in an amount up to \$24,741,705.73. Through a collaboration process with Harper and HDR, staff continued to value engineer the design and equipment selection and eventually executed Amendments 3 and 4 with Harper for a Guaranteed Maximum Price (GMP) totaling \$23,996,744.73, which was \$744,961 less than the authorized amount. Amendment 3 was for the pre-purchase of pipe, fittings, valves, flow meter, and ozone equipment early submittals. Amendment 4 included the following upgrades to the water treatment facility:

- Construction of a new raw water intake with air burst system
- Construction of a new 70-inch raw water line
- Construction of a new raw water feed pump station to supply the Peroxone treatment system
- Construction of the Peroxone Equipment Building which houses the Ozone generators, mass transfer skids, power supply units, ozone destruct units, process chiller and chiller mixing tanks, hydrogen peroxide bulk storage tank, calcium thiosulfate bulk storage tank, and other necessary equipment.
- Construction of a Liquid Oxygen Bulk Storage Facility
- Construction of the Peroxone Sidestream injection system
- Modifications within the existing chemical control building for a new venturi flow meter and chemical injection points
- Controls, instrumentation, electrical modifications, miscellaneous site piping and related improvements.

Construction of Amendment 4 is nearing completion. Harper has submitted a Change Notification for the final contract closeout of Amendment 4 and the CMAR contract, in the amount of \$147,761.53. This change notification includes the following additions to the contract:

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1. The fixed cost General Conditions included in Amendment 4 ran through June of 2022. Due to multiple delays from COVID and the resulting supply chain issues, work took place that required additional General Conditions, through July and August of 2022.
2. Additions and modifications to the ozone destruct line that included pipe rerouting, the addition of a check valve, and the addition of an air release valve on the raw water feed line. Most of this work was the result of a request from operations staff so that powder activated carbon could be fed through the new raw water intake in the event the ozone system needs to be taken off line.
3. Additions and modification to the degas towers, which included additional stiffening to the towers due to vibration.
4. Fire Hose additions to the Hydrogen Peroxide Bulk Tank deluge line.
5. Extending the builders risk insurance premium for an additional 11 months (9/8/22 thru 8/31/23).

The financial summary is listed below:

Original CMAR Contract (Pre-Construction Services)	\$ 85,000.00
Amendment 1 (Valve Purchase)	\$ 457,465.66
Amendment 2 (Early Works GMP)	\$ 3,601,920.34
Amendment 3 (pre-purchase of pipe, fittings, valves, flow meter, and ozone equipment early submittals)	\$ 2,276,652.03
Amendment 4 (construction of the raw water intake, raw water main, and peroxone system)	\$21,720,092.70
Final Change Notification to Amendment 4	<u>\$ 147,761.53</u>
Total	\$28,288,892.26

Management recommended the Commission approve this Change Notification to Amendment 4 in the amount of \$147,761.53 to Harper Corporation General Contractors which will bring the total contract amount to \$28,288,892.26. The project is being funded by bond and capital funds.

Gene Jackson provided the Commission with an overview of the R.B. Simms Water Treatment Facility Improvements and Change Notification for Final Contract Closeout recommendation for Amendment 4 in the amount of \$147,761.53. This project began in October 2018 and is in the final Closeout of the project. There has been supply and demand issues from suppliers throughout the project, especially due to COVID-19. Mr. Jackson reviewed the amendments noted above.

A tour will be scheduled in the near future for the Commission to tour the facility and view the completed project.

Mr. Boyle recognized Kevin Smith, Bryan Bates, and staff for their hard work and support during this project.

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Mr. Littlejohn moved and Ms. Viney seconded the motion to approve management’s recommendation to approve the Change Notification to Amendment 4 in the amount of \$147,761.53 to Harper Corporation General Contractors, which will bring the total contract amount to \$28,288,892.26. The motion passed unanimously.

8. 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 January 26, 2023.

A. Outside City Private Fire Service Agreements

(1) Libertas Academy

Libertas Academy, located at 300 Rainbow Lake Road in Boiling Springs, wishes to connect an 8-inch water line to the Commission’s 12-inch water line along Rainbow Lake Road to serve a private fire protection system, including two private hydrants, for a charter school. Libertas Academies wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$921.84

(2) Upstate Corporate Park Building 1

Upstate Corporate Park Building 1, located at 1120 East Mount Olive Road in Cowpens, wishes to connect a 6-inch water line to the Commission’s 12-inch water line along East Mount Olive Road to serve a private fire protection system, including 14 private hydrants, for the above-mentioned warehousing facility. UCP Building 1 Owner, LLC wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$3,347.40

9. PERMITS ISSUED AT THE RESERVOIR

Applications have been submitted and all fees have been paid on the following Lake Agreements, associated with new construction and replacement.

- (1) Carroll R. Bishop and Mary A. Bishop**, desire to replace a dock on Lake Blalock.
- (2) Freddie S. Buckner and Sue C. Buckner**, desire to construct a dock and hard pathway on Lake Blalock.
- (3) James A. Davis and Charlotte A. Davis**, desire to replace a dock and construct a hard pathway on Lake Blalock.

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- (4) **Marnee J. Dvorak and Cherrie Marie Dvorak**, desire to construct a dock and hard pathway on Lake Blalock.
- (5) **Thomas E. and Anne P. Johnston**, desire to replace a dock and construct a boat lift on Lake Blalock.
- (6) **Adrian L. Tuttle and Joanna L. Tuttle**, desire to construct a dock on Lake Blalock.
- (7) **Richard A. Westbrook**, desires to construct a dock and hard pathway on Lake Blalock.
- (8) **George Edward Bingham and Karen Bingham**, desire to construct a personal watercraft lift on Lake Bowen.
- (9) **Mike Birdno**, desires to construct a personal watercraft lift on Lake Bowen.
- (10) **Cynthia J. Jamison-Brashier**, desires to replace a dock on Lake Bowen.
- (11) **Jerry W. Daugherty (LE); Jerry Shayne Daugherty; Shannon Lance Daugherty, Monica Daugherty Hutcheson**, desire to construct a personal watercraft lift on Lake Bowen.
- (12) **Peter D. Donahue and Margaret E. Donahue**, desire to construct a personal watercraft lift on Lake Bowen.
- (13) **Gerald M. Forrester and Victoria B. Forrester**, desire to stabilize the shoreline on Lake Bowen.
- (14) **Michael and Elizabeth Green**, desire to replace a dock on Lake Bowen.
- (15) **Garret L. Heidenreich and Angela Marie Heidenreich**, desire to construct a personal watercraft lift on Lake Bowen.
- (16) **Terry Hopper and Barbara Hopper**, desire to replace a dock on Lake Bowen.
- (17) **Jonathan Clark Howard and Melody Horton Howard**, desire to construct a boat lift on Lake Bowen.
- (18) **Bowman's Truck and Equipment, Inc.**, desires to construct a boat lift and personal watercraft lift, and replace a dock on Lake Bowen.
- (19) **Viktor Kovalets**, desires to construct a boat lift and personal watercraft lift, and replace a dock on Lake Bowen.
- (20) **Earl L. Laseter, Jr. and Lisa L. Laseter**, desire to replace a dock on Lake Bowen.
- (21) **Yuen King Li and Kin Kueng Ip**, desire to construct a personal watercraft lift on Lake Bowen.

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- (22) **Robert E. Pettis and Cheryl F. Pettis**, desire to construct a personal watercraft lift on Lake Bowen.
- (23) **Dwayne E. Pruitt**, desires to construct a boat lift on Lake Bowen.
- (24) **Ronn C. Radcliff**, desires to construct a personal watercraft lift on Lake Bowen.
- (25) **Jacqueline Sherrill, as Trustee or her successors in interest of the Jacqueline Stock Sherrill Living Trust**, desires to replace a dock on Lake Bowen.
- (26) **Sandra Vinson**, desires to construct a boat lift and replace a dock on Lake Bowen.
- (27) **Bradford Wright**, desires to replace a dock on Lake Bowen.
- (28) **James Galtieri**, desires to construct a dock on Lake Bowen.

Applications have been submitted and all fees have been paid on the following Lake Agreements, associated with acknowledgement of ownership.

- (1) **Mitchell J. Randolph**, boat lift, dock replacement, and hard pathway on Lake Blalock.
- (2) **Thang T. Bui**, dock replacement on Lake Blalock.
- (3) **Gregory A. Weiss and Janine M. Weiss**, dock replacement on Lake Blalock.
- (4) **George Edward Bingham and Karen Bingham**, dock replacement and hard pathway on Lake Bowen.
- (5) **John G. Castro and Martha K. Castro**, boat ramp, dock replacement, hard pathway, and shoreline stabilization on Lake Bowen.
- (6) **Thomas andCarolynn Cullen**, dock replacement and hard pathway on Lake Bowen.
- (7) **Jonathan Clark Howard and Melody Horton Howard**, dock replacement on Lake Bowen.
- (8) **David Rice and Andrea Moore**, dock replacement and shoreline stabilization on Lake Bowen.
- (9) **Gregory S. Springsteen and Angela Ponder Springsteen**, dock replacement on Lake Bowen.

10. CHIEF EXECUTIVE OFFICER REPORT

- A. Mr. Boyle stated that the Commission would be updated when management receives a response from SCDNR or SCDHEC regarding the Fish Loss of March 30. Mr. Boyle noted that the SCDNR report

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listed the wrong algaecide applicator. Jones Fisheries is the correct algaecide applicator.

- B.** Mr. Boyle noted there will be a ribbon cutting with Harper Corporation General Contractors for the completion of the R.B. Simms Water Treatment Facility Improvements project. Jennifer Candler will work with them to coordinate the date and event details. More information will come when details are confirmed.
- C.** Mr. Boyle confirmed that Horace Littlejohn will serve as the SWS Audit Reviewer for this fiscal year.
- D.** Mr. Boyle updated the Commission on the Shoreline Stabilization Project at Lake Bowen Park.
- E.** Mr. Boyle stated that the house razing on Spartanburg Water property located on Reservoir 1, at 2290 Rainbow Lake Road, has been completed.
- F.** Mr. Boyle informed the Commission that construction of the 911 Communication Tower for Spartanburg County, located on Spartanburg Water property on Reservoir 1, at 2290 Rainbow Lake Road, will begin soon.

Meeting adjourned at 4:00 p.m.

Camlyn M. Cole
Secretary-Treasurer

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