

AGENDA

THE COMMISSIONERS OF PUBLIC WORKS OF THE CITY OF SPARTANBURG, S.C.

**Meeting Place:
SPARTANBURG MARRIOTT
IN THE CROFT/WADSWORTH ROOM
299 N. Church Street, Spartanburg, SC 29306**

REGULAR MEETING

**Tuesday, February 26, 2019, 4:00 p.m.
(or immediately following SSSD Meeting)**

This is a regular meeting of The Commissioners of Public Works of the City of Spartanburg, S.C. 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 have been forwarded to local and nearby news media (including 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) at least 24 hours prior to this meeting.

1. APPROVAL OF MINUTES OF REGULAR MEETING OF JANUARY 22, 2019

2. MONTHLY FINANCIAL REPORT

Newt Pressley will present a financial summary of SWS expenditures and revenues for the seven-month period ending January 31, 2019.

3. ELECTION OF VICE CHAIRPERSON

4. WATER QUALITY REPORT

Management will provide an update on water quality.

5. REPORT ON DRINKING WATER RESERVOIRS

Management will provide an update on activities with the drinking water reservoirs.

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6. AQUATIC PESTICIDE APPLICATION REQUEST FOR QUALIFICATIONS

Qualifications were received on February 12, 2019, in response to a Request for Qualification (RFQ) that will allow SWS to compile a list of pre-qualified vendors to recommend, apply, and manage, aquatic pesticide applications for SWS drinking water reservoirs on an as needed basis. The pre-qualified vendors will be called upon to submit competitive bids or proposals when there is a need to address water quality issues in any of the SWS reservoirs. This alternative delivery method will expedite the competitive bidding process and allow water quality issues to be addressed quickly while maintaining value and professional service.

Responses were received from five vendors. A committee evaluated each response. Responses were scored based on the following criteria: (1) Previous Experience including applications on large public water bodies with drinking water intakes; (2) Qualifications including proper licensing and certification in the State of South Carolina; (3) Approach including the type of technology and equipment used as well as risk management plans and quality control programs; (4) MWBE utilization; and (5) Community Benefit Program.

After careful evaluation, management recommends approval of each of the following respondents to be selected as pre-qualified vendors:

Estate Management Services, Inc.

Brunswick, GA

Aqua Services

Guntersville, AL

Aquatic Control

Seymour, IN

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Bids or proposals will be solicited from each of the pre-qualified vendors on an as-needed basis for a period not to exceed 24 months. Funding is available through the SWS operating budget.

7. PROFESSIONAL SERVICES FOR ALGAE MANAGEMENT AND MONITORING PLAN REVIEW

A scope of Professional Services has been solicited from Hazen and Sawyer to provide review of current algae management and water quality monitoring strategies, algae and aquatic plant management options, and provide technical support for the management of algae in the drinking water supply reservoirs, including developing updated monitoring and management plans.

The scope of work includes:

- Review of the current algae management and monitoring plans
- Comprehensive data review
- Source water assessment
- Review algaecide products and application techniques
- Provide algaecide prescriptions
- Review existing water quality monitoring plans and make recommendations for improvement
- Submit algae management and monitoring plan and conduct review meeting

The South Carolina Department of Natural Resources (SCDNR) has provided staff information about alternative algaecides that Spartanburg Water may want to evaluate for our drinking water reservoirs due to their efficacy and compatibility with aquatic ecosystems. Part of the scope of work that Hazen and Sawyer will perform includes an evaluation of the appropriateness of five algaecide products and associated application techniques for control of observed target species within Lake Bowen and Municipal Reservoir #1. Potential applicable algaecide products will be screened, with information provided to describe each acceptable algaecide product based on unique characteristics of our source water system(s).

The scope of work will also outline decision metrics based on water quality parameters and target organisms or plants to determine which product is

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appropriate for a particular water quality condition or application period. Hazen and Sawyer will then provide algacide application prescriptions depending on the target species, water quality in the reservoir and atmospheric conditions.

Management recommends that the Chief Executive Officer be authorized to enter into Work Authorization No. 2 with Hazen and Sawyer in the amount of \$81,300 for Professional Services to be performed under an existing "Master Agreement" (dated February 26, 2016). The project will be funded through the operating funds.

8. PROFESSIONAL ENGINEERING SERVICES – VAUGHN CREEK RAW WATER LINE REPLACEMENT PROJECT PHASE 2

The Landrum WTP Critical Asset Study, prepared by W.K. Dickson (WKD) in November 2014, recommended the replacement of 9,100 LF of the existing 8-inch water line, which delivers raw water from the Vaughn Creek Pump Station to the Landrum WTP. WKD has completed Phase 1 of the project that included a detailed survey of the route of the existing water line.

Shortly after completing Phase 1 of this project, WKD recommended that Spartanburg Water System (SWS) apply for a Rural Infrastructure Association (RIA) grant that could provide funds for a portion of the remaining design and construction, which is estimated at \$1,515,800. WKD assisted SWS with the grant application; and SWS received an award notification of a \$500,000 grant for the project in November 2018.

WKD has submitted a proposal to complete Phase 2 of this project, which includes a hydrologic and wetland impact evaluation of the area, design, permitting, and construction oversight of the raw water line replacement.

Management recommends the approval of the proposal from W.K. Dickson, Inc. to complete Phase 2 of the project in the not-to-exceed amount of \$179,000. This project will be funded through 2017 bond funds.

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9. RECEIPT OF BIDS – BLACKMAN CIRCLE WATERLINE INSTALLATION PROJECT

Bids were received on February 12, 2019, for the Blackman Circle Waterline Installation Project. The project consists of the installation of approximately 1,945 LF of 6-inch ductile iron pipe, and related appurtenances. Five contractors obtained the bid documents for the project and four contractors submitted a bid. The bids were as follows:

<u>BIDDER</u>	<u>AMOUNT OF BID</u>
NWF Industries, LLC Lexington, SC	\$ 106,585.00
Double R Utilities, Inc. Gaffney, SC	\$ 109,206.51
Piedmont Utility Group, Inc. Mooresboro, NC	\$ 135,469.67
Payne, McGinn, & Cummins, Inc. Travelers Rest, SC	\$ 137,051.00
Engineer’s Estimate	\$ 116,400.00

Management recommended awarding the contract to the lowest responsive bidder, NWF Industries, LLC of Lexington, SC based on their bid of \$106,585.

This project is being funded partially by outside participation fees in accordance with the SWS Participation Policy and SWS capital funds.

10. LAKE BOWEN DAM SAFETY BARRIER PROJECT – PROJECT SUMMARY

The Lake Bowen Dam Safety Barrier Project is complete. The project was installed by Henley’s Construction of Cheraw, SC, and included the installation of approximately 640 feet of safety barrier across Lake Bowen at the dam, including 20 “Dam Ahead” warning signs, extending from shoreline to shore line in front of the dam. The project provides additional visibility and safety adjacent to the Lake Bowen Dam, and will help mitigate safety risks associated with the public as they recreate on Lake Bowen.

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There were no change orders on the project, and the final contract amount was \$74,900.

The above is provided as information to the Commission.

11. R.B. SIMMS CONTINUOUS SLUDGE REMOVAL - SUMMARY CHANGE ORDER

The R.B. Simms Continuous Sludge Removal Project is now complete. The project was installed by Dellinger, Inc. of Monroe, NC, and included the rehabilitation of eight sedimentation basins to provide new continuous sludge collection equipment and also installation of new collection equipment for the two existing gravity thickeners. This installation will allow for more efficient handling of the solids collected from the sedimentation basins and will also allow greater flexibility in the use of Spartanburg Water’s spray fields.

Change Order #1 was the Summary Change Order for a \$230,180.25 decrease to the contract price for adjustment of soils and concrete testing allowance, unforeseen site conditions allowance, and controls integration allowance. This change order was executed as per current water system policy.

The financial summary of the project is as follows:

Construction Contract	\$ 4,273,300.00
Change Order No. 1	<u>\$ (230,180.25)</u>
Final Contract Amount	\$ 4,043,119.75

The above is provided as information to the Commission.

12. PARTICIPATION PROJECT CONSISTENT WITH OUTSIDE CITY WATER MAIN EXTENSION POLICY – FOSTER MILL CIRCLE PHASE 2

Recently management received a request from a property owner on Foster Mill Circle, south of Foster Mill Road and northeast of Highway 215, concerning the possibility of obtaining water service. In order to provide service, management has determined the following:

The water main extension consists of approximately 2,010 LF of 6-inch

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water main and 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 local share is recovered.

The water main extension has been upsized for future growth in the area to an 8-inch line which increased the original project estimate from \$65,800 to \$82,700. The property owner's participation cost is still based on the original estimate of \$65,800 and not the future growth estimate.

Management recommends Commission approve the above.

13. 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 Service Agreement

(1) Northside Commons-Access Health et al. FS

Access Health/NDG/Wofford located at 500 Howard Street in Spartanburg, SC wish to connect to a 6-inch water line to the Commission's 10-inch water line along Howard Street to serve a private fire protection system for the above-mentioned commercial offices and apartments. Northside Community Facilities Corporation wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$148.76

(2) Northside Commons-VCOM

VCOM located at 220 College Street in Spartanburg, SC wishes to connect to a 6-inch water line to the Commission's 6-inch water line along College Street to serve a private fire protection system for the above-mentioned medical institution. Northside Community Facilities Corporation wishes to enter into an agreement for this service.

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Annual Stand-by Revenue - \$148.76

B. Outside City Private Fire Service Agreement

(1) School District 2 of Spartanburg County

School District 2 Maintenance Facility located at 343 Blalock Road in Boiling Springs, SC wishes to connect a 6-inch water line to the Commission's 12-inch water line, in an easement on a parcel identified as 2-44-00-028.00 to serve their private fire protection needs, including one hydrant, for the above-mentioned maintenance facility. School District 2 wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$446.32

C. Inside City Water Main Extension Agreements

(1) Northside Commons

Northside Development Corporation is developing the Northside Commons off of Howard Street. Development of the project will require the relocation of approximately 800 LF of 10" water main. SWS will participate in the construction cost of the water main relocation in accordance with the Water Main Extension Policy.

D. Outside City Water Main Extension Agreements

(1) Bexley Park Phase II

Deep River South, LLC is developing Bexley Park Phase II. This development will consist of 18 residential lots, and approximately 614 LF of 4-inch water main. The developer will bear all costs.

(2) Westgrove Village

Mark III Properties, Inc. is developing Westgrove Village off of Anderson Mill Road. This development will consist of 158 residential lots, approximately 4,900 LF of 6-inch water main, 875 LF of 4-inch water main, and 5 hydrants. The developer will bear all costs.

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E. Lake Agreements

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

- (1) **Douglas W. Chivers and Lauren K. Chivers** desire to construct a hard pathway and replace a dock at Lake Blalock.
- (2) **Ronald L. Gravitt and Lee A. White-Gravitt** desire to construct a hard pathway and replace a dock at Lake Blalock.
- (3) **Torrey Jacobs and Tracy Jacobs** desire to obtain a dock permit to construct a dock and hard pathway at Lake Blalock.
- (4) **Rolan P. Littlefield and Debra K. Littlefield Joint Revocable Trust** desire to construct a boat lift, a hard pathway and replace a dock at Lake Bowen.
- (5) **Tina Reid** desires to install shoreline stabilization at Lake Bowen.
- (6) **Joy A. Holden** desires to install shoreline stabilization at Lake Bowen.
- (7) **Alesia Elizabeth Martin** desires to replace a dock at Lake Bowen.
- (8) **Bernard J. Lathwell and Sylvia S. Lathwell** desire to replace a dock at Lake Bowen.
- (9) **William D. Howell and Christy Howell** desire to install shoreline stabilization at Lake Bowen.

14. NEGOTIATIONS AND MISCELLANEOUS ADMINISTRATIVE MATTERS