

**Minutes of
Engineering And Maintenance Committee Meeting
of The Water Works Board
of The City Of Birmingham
October 11, 2021**

An Engineering and Maintenance Committee Meeting of the directors of The Water Works Board of the City of Birmingham was held on Monday, October 11, 2021, at 9:30 a.m., at the Birmingham Water Works Board, 3600 First Avenue North - via electronic equipment, to discuss engineering and maintenance issues.

The following Committee members were present via roll call: George Munchus (Chair) and Chris Rice. Other Board members in attendance were: Tom Henderson and William “Butch” Burbage, Jr.

Others were present in person or via telephone: Michael Johnson, General Manager; Iris Fisher, Derrick Murphy and Jeffrey Thompson, Assistant General Managers; Tammy Wilson, Executive Assistant to Derrick Murphy and Jeffrey Thompson; Cynthia Williams, Board Administrator; Colandus Mason, Information Technology Manager; Ed Travis, Purchasing Manager; Rick Jackson, Public Relations Manager; Kelvin Howard, Attorney; Geraldine Davis, Customer Support Services Manager; Hattye McCarroll, Chief Engineer; Jeff Cochran, Principal Engineer; Luther Austin, SCADA Manager; Michael Bell, Birmingham Construction Industry Authority (BCIA).

Committee Chair, George Munchus, called the meeting to order at 9:31 a.m. Assistant General Manager, Derrick Murphy opened the meeting with prayer. A roll call confirmed two Committee members were present, so there was a quorum in attendance.

Following, a motion was made and seconded and the Committee unanimously approved the agenda. AGM Murphy stated he would offer some clarification in the language on Items 2, 3 and 4; noting they were Sole Source providers.

Next, a motion was made and seconded and the Committee unanimously approved the minutes of the September 13, 2021 Engineering and Maintenance Committee Meeting, as set forth in agenda Item 1.

There were no reports from Committee or Senior Staff and no unfinished business to be discussed.

Following, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures and to authorize the General Manager and/or the Assistant General Manager to execute a signed contract with Alexander’s Contract Services, Inc., a Sole Source provider, for an ACS Meter Reading app, at an estimated out-of-pocket cost of \$62,255.00, as set forth in agenda Item 2. Some questions were raised regarding AMR and AMI and if this item was related. AGM Fisher responded that this item is a replacement with a one-time charge to support the Board’s current meter reading platform that will no longer

be supported after December 31, 2021. Some discussion occurred regarding evergreen contracts with a request from the Committee to ensure the Board has leverage to negotiate or terminate contracts.

Next, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures and to authorize the General Manager and/or the Assistant General Manager to execute a signed contract with SHI, a Sole Source provider, for COTS Software & Services from the state contract, at an estimated out-of-pocket cost of \$733,085.93, as set forth in agenda Item 3. IT Manager Mason explained this is a renewal with a company we have done business with in the past and that their services host the company's email, Microsoft Office and Windows.

Following, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures and to authorize the General Manager and/or the Assistant General Manager to execute a signed 3-year contract with Luminary Automation & Engineering, a Sole Source provider, for a SCADA Security & Resilience Program, at an estimated out-of-pocket cost of \$3,523,900.00, as set forth in agenda Item 4. AGM Thompson stated Luminary Automation & Engineering is highly respected in its field and many meetings with them had occurred with great success before bringing the item to the Board. IT Manager Mason echoed the same opinion, stating the company has 50 years in the business. Some discussion occurred regarding possible joint ventures in the future. IT Manager Mason stated Luminary had already expressed their desire to hire locally.

Next, a motion was made and seconded and the Committee unanimously recommended to move to the Board to exercise its bid option for a second 1-year extension and to authorize the General Manager and/or the Assistant General Manager to execute a signed contract with Advanced Asphalt (for Delivery) and Dunn Construction (for Pick-Up), the lowest responsible and responsive bidders, for Asphalt Cold Mix, at an estimated out-of-pocket cost of \$185,000.00 (Advanced Asphalt – delivery) and \$174,875.00 (Dunn Construction – pick up), as set forth in agenda Item 5. Michael Bell, with BCIA stated these companies were contributing to the local community.

Following, a motion was made and seconded and the Committee unanimously recommended to move to the Board to exercise its bid option for a 1-year extension and to authorize the General Manager and/or the Assistant General Manager to execute a signed contract with Kelly Road Builders, the lowest responsible and responsive bidder, for estimated quantities of Standard Patch Paving /Longitudinal Transverse/Milling and Resurfacing, at an estimated out-of-pocket cost of \$640,800.00, as set forth in agenda Item 6.

Next, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures with Aqua Metrology Systems (AMS), a Sole Source provider, for a Safeguard H2O Mobile Pilot Treatment System, to be used for testing at Carson, Putnam and Shades Mountain Filter Plants, at an estimated out-of-pocket cost of \$97,800.00, as set forth in agenda Item 7. Dr. Cochran, Principal Engineer spoke about the long-standing relationship the Board has with AMS adding that Staff is excited for the opportunity to test for

metals removal at various plants. Dr. Cochran stated that BWW would be the first worldwide to use the Safeguard H2O Mobile Pilot Treatment System to test for metals at its plants.

Following, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures with NOV Process and Flow Technologies US, Inc. (the original equipment manufacturer), a Sole Source provider, for Chemineer Mixers, for the SMFP built to the original specifications necessary to be installed in the Chemineer gear box, at an estimated out-of-pocket cost of \$126,145.00, as set forth in agenda Item 8.

Next, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures with Aqua Metrology Systems, a Sole Source provider, for 2 TTHM-100 Analyzers for Carson and Putnam Filter Plants, at an estimated out-of-pocket cost of \$185,500.00, as set forth in agenda item 9.

Following, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures with Electric Machinery Company-WEG Group, a Sole Source provider, for Synchronous Motors for Mulberry Motor #2 and Sipse Motor #2 to original equipment manufacturer specifications and other expenditures necessary for the installation of the motors, at an estimated out-of-pocket cost of \$104,400.00 (Mulberry Motor #2 Refurbishment) and \$81,031.00 (Sipse Motor #2 Refurbishment), as set forth in agenda Item 10.

Next, a motion was made and seconded and the Committee unanimously recommended to move to the Board to approve expenditures with Flowserve Pump Company/Jim House & Associates, a Sole Source provider, for Byron Jackson Pumps, for refurbishment of Mulberry Pump #2 and Sipse Pump #2 to original equipment manufacturer specifications and other expenditures necessary for the installation of the pumps, at an estimated out-of-pocket cost of \$591,339.60 (Mulberry Vertical Turbine Pump #2) and \$790,567.20 (Sipse Vertical Turbine Pump #2), as set forth in agenda Item 11. Some discussion occurred regarding whether or not Flowserve Pump Company/Jim House & Associates was a local company. AGM Murphy stated he would find out and let the Committee know.

Following, a motion was made and seconded and the Committee unanimously recommended to move to the Board to purchase the structures and improvements per the Recreational Site Agreement held by Charles Wilson on Lot 77 at Inland Lake for a sales price of \$420,000.00, as set forth in agenda Item 12. Director Munchus asked for Senior Staff's recommendation and how the value for the sites are set. GM Johnson stated the Board's goal has been to purchase the site agreement as they become available and the values are determined and set by the sales contract between the seller and the buyer with BWW having the first right of refusal. Director Burbage was asked his opinion and he responded that he believed the Board should purchase the sites as the opportunities arise, to ensure more control over the water shed protection of Inland Lake. Director Rice agreed and asked Senior Staff to make sure to clearly explain the Board's intentions for making these purchases to the public.

Next, in response to a question in Item 11 regarding the location of Flowserve Pump Company/Jim House & Associates, AGM Murphy stated they are headquartered in Florida and the pumps will be shipped to Kansas City for refurbishment. Director Rice asked who handles the freight. Mr. Bell, with BCIA stated they would work on HUB participation for this segment of the expenditures.

As there was no further business before the Committee, a motion was made and seconded and the Committee adjourned at 10:25 a.m.

_____/S/
Michael Johnson
General Manager

_____/S/
George Munchus, Ph.D.
First-Vice Chairman/First Vice President

_____/S/
Dalton NeSmith
Director

_____/S/
Chris Rice
Director