



BENBROOK WATER AUTHORITY

Board of Directors Meeting

Tuesday, January 17, 2023

1121 Mercedes Street, Benbrook, TX 76126

3:00 p.m.

The BWA Board of Directors may discuss, consider, and take all necessary action, including possible expenditure of funds, regarding each of the agenda items below

1. Call To Order
2. Invocation
3. Citizen Comment On Any Agenda Item
4. Consent Agenda

Items listed under Consent Agenda are considered routine and are enacted under one motion. The exception to this rule is that a Board Member, Citizen or General Manager may request one or more items to be removed from the Consent Agenda for separate discussion and action.

1. Minutes of the January 3, 2023 Board of Directors Meeting

5. General Manager's Report And Update

The General Manager and staff will brief the Board on the administrative, financial, or operational matters of the BWA including without limitation activities of the General Manager and staff since the last board meeting, new or ongoing residential, commercial, or other developments in the BWA, capital projects, planning activities, issues involving the water treatment plant, water distribution system, wastewater collection system, and other infrastructure and facilities, service extensions, billing and customer services issues, interactions with other governmental entities or officials, and any other items included in the General Manager's written report, which may include without limitation the following items:

1. Update on current administrative activities.
2. Report on developments under contract with BWA.
3. Report on developments that are currently proposed, but not under contract.
4. Update on active capital projects.
5. Update on miscellaneous projects.

6. New Business

- 6.I. Approve The Expenditure Of \$28,000 For Water System Survey And Leak Detection

Services To Be Provided By ASTERRA

Documents:

[LEAK DETECTION SR 1-17-23.PDF](#)

- 6.II. Consider Amendment No. 1 To The Standard Agreement For Professional Engineering Services With Kennedy Jenks For Project No. 2020-114

Documents:

[2020-114 SAPES AMENDMENT SR 1-17-23.PDF](#)

7. Public Comment

All persons wishing to provide public comment should complete a public comment information form and submit it to the General Manager before the meeting.

Documents:

[PUBLIC COMMENT FORM.PDF](#)

8. Director / Staff Comment

Announcements from Board Members and / or Staff; there will be no discussion or formal action taken on these items.

9. Executive Session

Conduct Closed Executive Session Pursuant to Chapter 551, Government Code, for: consultation with the BWA attorney regarding pending or contemplated litigation, settlement offers, or other attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gifts (§551.073); personnel matters (§551.074); or deliberation regarding security devices (§551.076).

1. Any other item set forth in any section of this notice/agenda.

10. Re-Convene In Open Meeting

Take any Action Necessary from Executive Session

11. Adjournment

Next regular meeting scheduled for February 7, 2023

12. Work Session

Discussion of current / future agenda items

The above agenda schedule represents an estimate of the order for the indicated items and is subject to change at any time. Public hearings and public meetings of the BWA Board of Directors are available to all persons. This facility is wheelchair accessible. If you require special assistance to attend a hearing or meeting, please call (817) 249-1250 at least 24 hours in advance of the hearing or meeting to coordinate any special physical access arrangements. For sign interpretative services, please call 48 hours in advance.

Meeting Date

January 17, 2023

New Business Item #1

Subject

Leak Detection Services

Recommendation

Staff recommends the Board of Directors approve the expenditure of \$28,000 for water system survey and leak detection services to be provided by ASTERRA.

Background/Analysis

BWA, in accordance with the mission statement adopted by the BWA Board, endeavors to provide water service in an environmentally and fiscally responsible way. The promotion and implementation of water conservation to minimize the impact on water supplies, and minimizing costs to our customers, are vital to this mission.

In June 2022, the BWA Board authorized the expenditure of \$26,000 for water system survey and leak detection services by ASTERRA, which were completed during the summer of 2022. These efforts proved successful, helping to identify several underground leaks which otherwise would have been undiscoverable by BWA. BWA Staff made repairs to eliminate the leaks and estimate that the reduced water loss will result in future savings to the Authority and, by extension, its customers, and offsetting the costs of the leak detection efforts.

To facilitate meeting future water loss reduction goals, BWA Staff requested a proposal for additional satellite imagery, data analysis, and field investigation of points of interest to be conducted during the winter months of 2023 by ASTERRA. The cost for these services will be \$28,000.

Financial Impact

Funding for all services was included in the Operating Budget adopted for 2023 under the Repair/Maintenance category.

Meeting Date

January 17, 2023

New Business Item #2

Subject

Water Treatment Plant Emergency Backup Generator
High Service Pump Station (HSPS) Design & Construction Phase Services
Project No. 2020-114 - Amendment No. 1

Recommendation

Staff recommends the Board of Directors approve Amendment No. 1 to the Standard Agreement for Professional Engineering Services with Kennedy Jenks as presented.

Background/Analysis

In May of 2020, pursuant to the recommendations of the 2016 Water Master Plan and Capital Improvements Plan updates, BWA approved a Standard Agreement for Professional Engineering Services (SAPES) with Kennedy Jenks for engineering services required to expand pumping capacity at the Water Treatment Plant and rehabilitate some plant yard piping. Soon after the design was commenced in the summer of 2020, the project was temporarily suspended by BWA due to the following considerations:

- During the design phase a previously undetermined, but significant and potentially costly upgrade to the WTP electrical system was identified to be required to power the larger pumps needed for the 3 MGD pumping capacity expansion originally planned with this project.
- At the time the project was suspended, it had become apparent the timing of the additional 3 MGD of pumping capacity was not as imminent as originally indicated in the 2016 Master Plan. Expansion of pumping capacity was subsequently postponed in accordance with the 2021 Master Plan update.
- Electrical upgrades for additional pumping capacity could be combined with the future plant expansion yielding greater cost efficiencies.

In accordance with the requirements of Senate Bill 3 (Texas 87th Legislative Session, 2021), in 2022, BWA prepared and submitted to TCEQ an Emergency Preparedness Plan which proposed the addition of a new emergency standby generator at the Water Treatment Plant by late 2025. Given the Engineer’s ongoing efforts related to yard piping, pump sizing and electrical improvements required at the plant in conjunction with the HSPS design and the need to account for future electrical loads when sizing the generator, BWA determined that a significant modification to the scope of services—i.e., addressing the more immediate need for backup power supplies while accommodating the eventual expanded pumping facilities--to be warranted.

This amendment adjusts the project scope, removing the remaining effort associated with final design of the pumping improvements, while recommencing the project to provide services required for the preselection of a new backup generator, as well as bid and construction phase engineering services associated with these improvements.

Financial Impact

The change in scope proposed for this project would reduce the effort and associated fees required under the Agreement, resulting in a revised total not-to-exceed fee of \$286,870 (a reduction of \$108,237). Funds for engineering and construction of the backup generator are available from the 2022 Bond Series.

