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**Meeting Date**

January 17, 2023

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**New Business Item #1**

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**Subject**

Leak Detection Services

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**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.

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**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.