



City of Greensboro

Melvin Municipal
Office Building
300 W. Washington Street
Greensboro, NC 27401

Agenda Report

File Number: 2022-514

Agenda Item# G.12.

Agenda Date: 5/23/2022. **Department:** Water Resources

Meeting Type: Council Meeting **Category:** Consent Agenda

Title: 2022 – 514 Resolution Approving a Contract in the Amount of \$142,500 with George J. Pesacreta dba Ecological Consultants

Council Priority: Place an ‘x’ in the box.

- Create an Environment to Promote Economic Development Opportunities and Job Creation
- Maintain Infrastructure and Provide Sustainable Growth Opportunities
- Promote Public Safety & Reduce Crime
- Exceptional Customer Service and a Diverse City Government Workforce
- Ensure Fiscal Stewardship, Transparency, & Accountability

Council District: All

Public Hearing: No

Advertising Date/By: N/A

Contact 1 and Phone: Mike Borchers, 373-2924

Contact 2 and Phone: Kristine Williams, 373-2556

PURPOSE:

Water Resources Department is requesting council approval of a contract with Ecological Consultants, in order to obtain water quality data, analysis, and recommendations tied to the city’s water supply reservoirs. The selected environmental consultant has proven experience and expertise, to provide the requested data and analysis of the city’s reservoirs. Monitoring of the ambient water quality, particularly phosphorus and chlorophyll a concentrations provide an indication of the trophic or “nutrient enrichment” status of the city’s reservoirs. Furthermore, this information assists with the monitoring of submersed aquatic vegetation that is an intricate component of the department’s lake management program and in the application, by City staff, of Environmental Protection Agency (EPA) approved aquatic herbicides.

BACKGROUND:

The City of Greensboro Water Resources Department installed an “in situ” water quality data collection platform in Lake Townsend to vertically profile the water column (up to 27 feet) that records daily measurements of water temperature, dissolved oxygen, pH levels, conductivity,

turbidity, chlorophyll, and phycoyanin up to four times a day. This allows staff at the Lake Townsend Water Treatment Plant instantaneous data retrieval of water quality conditions at the water intake.

BUDGET IMPACT:

Funding for the three year contract is budgeted in the amount of \$142,500 from the Water Resources Water Supply Division Operating Fund.

ACCOUNT NUMBER:

501-7023-01.5413

RECOMMENDATION / ACTION REQUESTED:

It is recommended that City Council approve a contract in the amount of \$142,500 with George J. Pesacreta dba Ecological Consultants in order to perform reservoir water quality testing for the Water Resources Department.