

**DESCRIPTION OF INTENDED
SINGLE SOURCE PURCHASE
(PUR 7776)**

AGENCY: FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

TITLE: SOIL AND WATER ENGINEERING TECHNOLOGY, INC.

Short description of the commodity or service desired: AGRICULTURAL OR RURAL COOPERATIVES SERVICES

CONTACT

Name: MICHELLE FAIRCLOTH, PURCHASING DIRECTOR

Address: 407 S. Calhoun Street, SB-8 Mayo Building, Tallahassee, FL 32399

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Internal tracking number, if any: SS 20 21 27

Date posted: 05/26/2020 Last day for receipt of information: 06/04/2020

This description of commodities or contractual services intended for purchase from a single source is posted in accordance with Sections 120.57(3) and 287.057(3), Florida Statutes, and will remain posted for a period of at least 7 business days.

Commodity or Contractual Service Required (commodity or United National Standard Products and Services Code (UNSPSC), manufacturer, model, and description, as appropriate):
43232300

Quantity or Term (as appropriate):

Date of Execution Thru June 30, 2021

Requestor (division, bureau, office, individual, as appropriate):

Angela Weeks-Samanie, Office of Agricultural Water Policy

Performance and/or Design Requirements (e.g. intended use, function or application, compatibility, requirements; reference to policy, rule, statute or other act of the Legislature, etc., as appropriate):

Vendor must have

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- Expertise and previous experience in watershed hydrology and nutrient transport processes.
- Past expertise and experience with the Watershed Assessment Model (WAM).
- Experience with the existing applications of WAM in the Lake Okeechobee Watershed.
- Strong capabilities and disciplines in the evaluation procedures for watershed models including goodness-of-fit and sensitivity and uncertainty analyses.
- A diverse base of historical experience in the Lake Okeechobee Watershed.

- Experience with analyzing cost-share best management practices and assessing their treatment efficiencies and storage capacities.

Vendor must be able to:

- Task 1 – Gather additional information on key cost-share BMPs to conduct analysis of total phosphorus (TP) and total nitrogen (TN) treatment efficiencies and storage capacity of common cost-share practices. The Vendor will also develop standard methodology and calculate TP and TN treatment efficiencies and storage capacities.
- Task 2 – Provide any scientific documents the vendor has or will have on nitrogen and/or phosphorus reduction associated with any agricultural Best Management Practice (BMP), which the vendor may consider or use when using or updating the WAM model. For the BMPs that are actually represented in the WAM model, the vendor will document how the information in such documents was used to determine the treatment efficiencies used in the model.
- Task 3 – Provide professional verbal or written opinion on the capability and practicality of existing or new technologies and/or techniques to remove or retain excess nitrogen and/or phosphorus from agricultural surface water or groundwater and dairy farm practices and processes related to renewable energy and nutrient recovery projects.
- Task 4 – Conduct on-going assessments of groundwater nitrate mitigation systems to enhance their performance, including evaluating bioreactor matrix materials for optimizing their function and enhancing the reuse of extracted water on the farm.
- Task 5 – The vendor will provide engineering/technical support for the department’s water quality / environmental programs associated with policy, rulemaking, and public education activities throughout the entire state of Florida.

Intended Single Source:

SOIL AND WATER ENGINEERING TECHNOLOGY, INC.

Estimated Dollar Amount:

Approximate Amount: \$1,000,000

Justification for single source acquisition (what is necessary and unique about the product, service or source; steps taken to confirm unavailability of competition, as appropriate):


Soil and Water Engineering Technology, Inc. is a science and engineering based firm that (1) specializes in the hydrological and contaminant transport processes and assessment technologies for parcel and watershed scale systems, (2) as the developer of the WAM model and having successfully used it to evaluate over 25 watersheds throughout Florida, has an unique and unparalleled expertise in the use and application of WAM, (3) completed the existing WAM simulations that are to be updated and evaluated during the above referenced project, and therefore is in the unique position of having a complete knowledge and ready access to all existing data and previous simulations, (4) has Dr. Del Bottcher on staff with over 30 years of experience working in the Lake Okeechobee Watershed.

Approved By (names & titles, as appropriate, e.g., requestor, requestor management, information systems, budget, purchasing):

Angela Weeks-Samanie, Sr. Management Analyst Supervisor

Christopher Pettit, Division Director

Michelle Faircloth, Purchasing Director 

Joey B. Hicks, Director, Division of Administration 

Prospective vendors are requested to provide information regarding their ability to supply the commodities or contractual services described. If it is determined in writing by the agency, after reviewing any information received from prospective vendors, that the commodities or contractual services are available only from a single source, the agency shall: provide notice of its intended decision to enter a single-source purchase contract in the manner specified in Section 120.57(3), F.S.