

Meeting Date
JULY 7, 2015



AGENDA	
Section	CONSENT
Item No.	II.C.1

AGENDA REPORT
BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

SUBJECT:	Authorization to issue purchase order to Enviro-Care Company for the purchase of Enviro-Care FLO-DM 1400 Septage Station Screening System for the South Central Wastewater Treatment Facility Septage & Grease Treatment System (District 4) (Fiscal Impact \$299,950.00)
DEPT/OFFICE:	Central Services/Purchasing Services on behalf of Utility Services

Requested Action:

It is requested that the Board of County Commissioners authorize a purchase order to Enviro-Care Company of Rockford, Illinois in the amount of \$299,950.00 for the FLO-DM 1400 Septage Station Screening System for the Septage and Grease Treatment System Project along with any associated budget changes.

Summary Explanation & Background:

The Brevard County Utility Services Department (BCUSD) accepts and treats septage and grease from homeowners and commercial businesses at the South Central Regional Wastewater Treatment Facility (SCRWWTF). The product is typically delivered to the facility by septic tank and plumbing contractors. Due to the more concentrated nature of this waste stream, the Septage Grease Treatment System (SGTS) is operated separately and independent of the domestic wastewater treatment facility.

The existing SGTS is at the end of its useful life and is identified for replacement in the FY 2015 Capital Improvement Budget. Engineering/design of the new SGTS is underway by the consultant engineering firm, Infrastructure Solutions Services (ISS). ISS has completed 90% of final design and anticipates start of construction in January 2016. Concurrent with the SGTS project is the upgrade and expansion of the SCRWWTF. The consultant firm responsible for this project, Quentin L. Hampton Associates, Inc. (QLH) is currently at 60% of final design with an anticipated start of construction date in July 2016. Both firms are working closely together, along with BCUSD Staff, to insure the most efficient use of site space for new construction, the long term functionality of both treatment systems and coordination of anticipated construction schedules.

The consultants have determined that the new SGTS must be built at a different location to accommodate the plant expansion. Once the new SGTS is installed and operational, the existing SGTS can be demolished to make room for construction of the plant expansion. The SGTS project is scheduled to be completed in September 2016, 3 months after anticipated start of the plant upgrade project. Initially, this overlap in schedules was not considered to be an issue. However, a recent geotechnical evaluation of the construction site has identified the need to pre-compact the soil in the area of the new biological treatment unit. The most cost efficient method for this process involves mounding soil 12 feet high on the footprint of the new tank site and leaving it there for 3 months. Once compaction is complete, the soil will be removed and construction of the biological treatment unit can begin.

The time required for pre-compaction will add an additional three months to the plant upgrade project. This extension could delay completion of the plant upgrade project and potentially cause the BCUSD to miss an opportunity to utilize a lower interest loan from the State Revolving Fund (SRF).

BCUSD staff working with the consultants has identified a potential time saver. Pre-purchasing one of the main components of the SGTS project will make it available to SGTS contractor at the start of that project and eliminate the 18-20 week delivery time from the contractor's schedule. Completing the SGTS sooner will allow pre-compaction at the site of the new biological treatment unit to begin sooner and keep the plant upgrade project on schedule.

The equipment to be purchased has been pilot tested at the facility as part of ISS's engineering/design process. Evaluation of the Enviro-Care FLO-DM "Beast" Septage Station Screening System confirmed that it is a good application and found that it met the performance criteria of the BCUSD. The system was successful in the handling of heavy grease loads and the combined septage and grease waste streams currently collected at the SCRWWTF. Therefore, it was incorporated into the design and specified equipment for the new SGTS.

Continued on Page 2

Clerk to the Board instruction:

Exhibits Attached:

Contract /Agreement (If attached): Reviewed by County Attorney Yes No PR USD FINANCE

County Manager		Assistant County Manager	Department Director / Extension
Stockton Whitten		Frank Abbate	 Teresa Camarata, Central Services Director / x55492
			 Jim Helmer, Interim Utility Services Director / x52091

SUBJECT:

Page 2

Re: Authorization to issue purchase order to Enviro-Care Company for the purchase of Enviro-Care FLO-DM 1400 Septage Station Screening System for the South Central Wastewater Treatment Facility Septage & Grease Treatment System (District 4) (Fiscal Impact \$299,950.00)

Under normal circumstances, BCUSD would do an owner direct purchase of this item, to achieve the tax savings, after the contract was awarded to the successful bidder (SGTS Contractor). However, due to the urgency of completing the SGTS project ahead of schedule, BCUSD has solicited and received a quote for the system at a cost of \$299,950.00 and requests Commission's approval to proceed with the purchase.

Funds are available in Fund 4153, CC 365320, GL 5650000

Contact: Teresa Camarata, Central Services Director, 321-617-7390, Teresa.camarata@brevardcounty.us
Jim Helmer, Interim Utility Services Director, 321-633-2091, Jim.helmer@brevardcounty.us



Tammy Etheridge, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001
Fax: (321) 264-6972

July 8, 2015

MEMORANDUM

TO: Teresa Camarata, Central Services Director

RE: Item II.C.1., Authorization to Issue Purchase Order to Enviro-Care Company for Purchase of Enviro-Care FLO-DM 1400 Septage Station Screening System for the South Central Wastewater Treatment Facility Septage and Grease Treatment System

The Board of County Commissioners, in regular session on July 7, 2015, authorized a purchase order to Enviro-Care Company of Rockford, Illinois in the amount of \$299,950.00 for the FLO-DM 1400 Septage Station Screening System for the Septage and Grease Treatment System Project along with any associated budget changes.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
SCOTT ELLIS, CLERK

Tammy Etheridge, Deputy Clerk

/kg

cc: Interim Utility Services Director
Finance
Budget