

ECUA GENERAL RESOLUTION NO. GR20-22

A GENERAL RESOLUTION AUTHORIZING THE SOLE-SOURCE AWARD OF PURCHASE CONTRACT TO WIS, INC., FOR THE PURCHASE OF ONBOARD NAVIGATION UNITS AND DATA SERVICE FOR THE ECUA SANITATION DEPARTMENT COLLECTION FLEET; AUTHORIZING THE EXECUTIVE DIRECTOR TO EXECUTE THE PURCHASE ORDER WITH WIS, INC.; AUTHORIZING THE TRANSFER OF BOTH CAPITAL IMPROVEMENT PROGRAM AND OPERATIONAL BUDGET FUNDING FROM THE APPROPRIATE LINE ITEM; AND PROVIDING AN EFFECTIVE DATE FOR THIS CONTRACT.

BE IT RESOLVED BY THE EMERALD COAST UTILITIES AUTHORITY:

- WHEREAS, the Emerald Coast Utilities Authority (hereinafter "ECUA") has over 100 vehicles in the Sanitation Department fleet to provide the collection of garbage, recyclables, yard waste, and bulk waste; and
- WHEREAS, these vehicles collect materials from thousands of homes on assigned daily routes, which must be either memorized by each ECUA Sanitation driver or the driver must refer to paper maps. This results in missed collections and consequently a lack of service to ECUA customers. Staff believes an onboard vehicle navigation system would reduce the possibility of missed collections; and
- WHEREAS, staff has conducted multiple field evaluations of various onboard navigation systems and WIS, Inc., is the only vendor whose product has performed as specified; and
- WHEREAS, ECUA staff has recommended that ECUA award this contract under Section 13-3(b) of the ECUA Code as a sole-source and authorize the Executive Director to execute a purchase order with WIS, Inc., for the purchase of 100 onboard navigation units and the associated monthly data service; and

NOW THEREFORE, be it resolved by the Emerald Coast Utilities Authority:

- SECTION 1. ECUA hereby directs and authorizes the Executive Director to execute a purchase order with WIS, Inc., for the purchase of 100 onboard navigation units and the associated monthly data service; and
- SECTION 2. ECUA hereby authorizes the transfer of FY 2021 Capital Improvement Program budget funds from CIP Project CT0001 Sanitation Transfer Station to a new project for the purchase of onboard navigation units in the amount of \$79,000; and

SECTION 3. ECUA hereby authorizes the transfer of FY 2021 Sanitation Department operating budget funds in the amount of \$67,000 from tipping fees to other contractual services; and

SECTION 4. This General Resolution shall take effect upon adoption.

Approved as to form:

ECUA General Counsel

Adopted on:

ATTES:

Amanda Miller, Administrative Coordinator

Lois Benson, Board Chairman

Date: September 15, 2020
Account Number: Multiple accounts
Amount: \$146,000
Type of Resolution: General Resolution

EXPLANATION TO ECUA BOARD

Originating Department: Garage Division – Sanitation Department

PURPOSE: Purchase of onboard navigation system for Sanitation Department collection trucks.

REMARKS: Over the past several years, staff has conducted evaluations of five onboard navigation systems for ECUA sanitation collection trucks. None of the previously evaluated systems performed up to specifications and were rejected. Specifically, the staff needs a system that will use the Global Positioning System (GPS) to record the route as driven by the normally assigned ECUA driver. The onboard navigation system will then use the data collected by the GPS system to provide a new or substitute driver with turn-by-turn directions to collect the route in the same sequence the normally assigned driver would collect the route. This will provide consistency in the collection of the route and reduce the possibility of missed collections due to a street being missed. New and substitute drivers are currently given a paper map of the route they are assigned for the day. This, coupled with the high turnover rate for drivers in the Sanitation Department, leads to a higher-than-desired number of missed collection reports. If this new system is installed, supervisors will be able to assign a new driver to a route and have a high degree of confidence that the route can be completed with a minimum number of misses, even if the driver has never been on that route before. Missed collections will still be reported due to cans being put out late, being blocked by cars, construction, and so on. However, the chances of a missed collection occurring because a driver fails to travel down an assigned street will be almost eliminated.

Staff installed the sixth field trial onboard navigation system, WIS, Inc., in an ECUA collection truck in May 2020 to evaluate the system's performance. After several months it was clear the WIS system performed as specified and was both easy to install and operate. The turn-by-turn directions provided by the system has

been reliable and the system alerts the driver if he deviates from the recorded route. The WIS system is still installed in the original truck and continues to perform as expected.

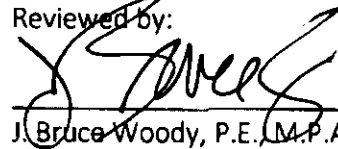
Because the WIS system was not identified until after the FY 2021 Sanitation Department Budget was formulated, funding to purchase the system was not included in the Department's FY 2021 Budget request. Staff is requesting Board approval to transfer \$79,000, from CIP Project CT0001 Sanitation Transfer Station to a new project for the purchase of the onboard navigation units. This funding will purchase 100 units of the hardware for the system to be installed in the collection trucks at a cost of \$790 per unit. Staff is also requesting approval to transfer \$67,000 in the FY 2021 Sanitation Operating Budget to provide funding for the monthly operating costs of the system, which are \$55 per month, per truck. This cost covers the data and GPS services needed to operate the system.

Submitted by:



Randy Rudd
Deputy Executive Director of
Shared Services
850-969-3393

Reviewed by:



J. Bruce Woody, P.E., M.P.A.
Executive Director