



**CITY OF FORT LAUDERDALE**  
**City Commission Agenda Memo**  
**REGULAR MEETING**

**#19-0979**

**TO:** Honorable Mayor & Members of the  
Fort Lauderdale City Commission

**FROM:** Chris Lagerbloom, ICMA-CM, City Manager

**DATE:** October 15, 2019

**TITLE:** Motion Approving Proprietary Purchases for Water Distribution,  
Wastewater Collection, and Stormwater System Infrastructures and  
Treatment Facilities – Various Vendors –\$6,900,000 (estimated not-to-  
exceed total) - **(Commission Districts 1, 2, 3 & 4)**

---

**Recommendation**

It is recommended that the City Commission approve the purchase of proprietary items on an as-needed basis for the water distribution, wastewater collection, and stormwater system infrastructures, and treatment facilities from various vendors, in the estimated not-to-exceed total of \$6,900,000 from October 16, 2019 through September 30, 2020.

**Background**

The Public Works Utilities Division operates two water treatment facilities, one regional wastewater treatment facility, over 200 sanitary sewer pump stations, and four stormwater stations. The Division also maintains over 1,400 miles of buried infrastructure. Each year, over 14 billion gallons of potable water are delivered to approximately 250,000 neighbors and guests. Additionally, over 14 billion gallons of wastewater are collected and treated. The Public Works Sustainability Division operates and maintains the stormwater management system which includes 8,903 catch basins, 1,039 outfalls, and 184 miles of storm pipe.

To meet service demands, the Public Works Department relies on a variety of equipment. The existing equipment is providing reliable service but the around-the-clock operation in an abrasive and corrosive environment rapidly wears down the equipment. When a piece of equipment requires replacement, it is less expensive to replace it with an exact match from the manufacturer, avoiding the cost of reengineering or reconfiguring the surrounding equipment. Recent water and sewer pipe breaks necessitate an increase in funding for the maintenance of pump stations and treatment plants, in order to maintain the level of service.

Replacement parts, repairs, and services are often needed throughout the year. In the aggregate, purchases from any one vendor may exceed \$100,000. Pursuant to Section 2-181(f)(3), Code of Ordinances of the City of Fort Lauderdale, Florida, the City may purchase proprietary items, as defined in Section 2-173, without the necessity of public bids. As defined by the Code of Ordinances, a proprietary item is not readily available from more than one supplier, manufacturer, or person and is unique in nature. Exhibit 1 provides a list of each vendor, a description of the materials and/or services provided.

Purchases will be made on an as-needed basis and charged to the individual operating budget per available funds, and in accordance with established pricing.

### **Resource Impact**

There will be a fiscal impact to the City in the estimated not to exceed amount of \$6,900,000 for Fiscal Year 2020. Funds are available in the Water and Sewer Fund, Regional Wastewater Fund, and Stormwater Fund accounts listed below.

<b><i>Proposed funds available as of 10/1/2019</i></b>					
<b>ACCOUNT NUMBER</b>	<b>INDEX NAME (Program)</b>	<b>CHARACTER CODE/ SUB-OBJECT NAME</b>	<b>AMENDED BUDGET (Character)</b>	<b>AVAILABLE BALANCE (Character)</b>	<b>AMOUNT</b>
450-PBS660510-3404	Collections Systems Maintenance	Services & Materials/ Components & Parts	\$473,394	\$473,394	\$460,000
450-PBS660101-3404	Distribution and Collection	Services & Materials/ Components & Parts	\$2,154,048	\$2,154,048	\$695,000
450-PBS660602-3404	Pump Station Maintenance	Services & Materials/ Components & Parts	\$2,093,189	\$2,093,189	\$1,685,000
450-PBS660602-6499	Pump Station Maintenance	Capital Outlay/ Other Equipment	\$586,658	\$586,658	\$550,000
450-PBS670302-3404	Fiveash Maintenance	Services & Materials/ Components & Parts	\$736,351	\$736,351	\$700,000
450-PBS670303-3404	Fiveash Operations	Services & Materials/Components & Parts	\$3,962,727	\$3,962,727	\$140,000
450-PBS670304-3404	Peele Dixie Maintenance	Services & Materials/ Components & Parts	\$328,801	\$328,801	\$155,000
450-PBS670305-3719	Peele/Dixie Operations	Services & Materials/ Scale Inhibitor	\$1,582,116	\$1,582,116	\$175,000
450-PBS670605-3919	Water Laboratory	Services & Materials/ Laboratory Supplies	\$62,861	\$62,861	\$25,000
450-PBS704135-5401	Pipeyard Inventory	Non-Operating Expenses/ Purchases	\$1,800,000	\$1,800,000	\$450,000
451-PBS670503-3404	Lohmeyer Regional Plant Operations	Services & Materials/ Components & Parts	\$8,324,958	\$8,324,958	\$850,000
451-PBS670502-3404	Lohmeyer Regional Plant Maintenance	Services & Materials/ Components & Parts	\$1,019,014	\$1,019,014	\$845,000
470-PBS660511-3404	Storm Drain Maintenance	Services & Materials/ Components & Parts	\$778,888	\$778,888	\$170,000
			<b>TOTAL →</b>		<b>\$6,900,000</b>

### **Strategic Connections**

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included with the Infrastructure Cylinder of Excellence, specifically advancing:

- Goal 2: Be a sustainable and resilient community.
  - Objective 1: Proactively maintain our water, wastewater, road and bridge infrastructure.

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We are Ready*.

### **Attachment**

Exhibit 1 – List of Proprietary Vendors and Equipment

---

Prepared by:	Talal Abi-Karam, Public Works – Utilities Nancy Gassman, Public Works – Sustainability Stefan Mohammed, Finance Linda Blanco, Finance
Department Directors:	Paul Berg, Public Works Linda Short, Finance

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
1	ABB	ABB is the sole source provider and manufacturer of parts and services for the Programmable Logic Processors in service at both the Fiveash Water Treatment Plant and GTL Wastewater Treatment Plant. This system must be working in order to maintain the plants operating. In addition, ABB acquired General Electric Industrial Solutions (GEIS). After the acquisition, ABB is now the sole source provider on high and medium voltage parts and service for GE Original Equipment Manufacturer (OEM) . GE parts are used at the water and wastewater plants and pump and re-pump stations.
2	AWC Inc.	ABB Inc. is the sole manufacturer of ABB brand replacement process measurement instruments, fluid flowmeters, motor controls, parts, and service and AWC, Inc. is ABB, Inc.'s authorized dealer in the Florida market. AWC is the sole source representative of Pulsar process measurement equipment. Public Works' staff operates numerous fluid flow monitoring devices (flowmeters) for inventory, compliance, and process control throughout the City.
3	Accutech	Accutech is the sole source for the Autrol and Tektrol instrument brand. They are the preferred instrument models for the differential pressure transmitters, the loss of head meters on the filters, and flow transmitters used on the diesel high service pumps at the Fiveash Water Treatment Plant.
4	Acromage, Inc.	Acromage Inc. is the sole source supplier of parts such as signal isolators, signal transmitters, limit alarm modules, signal conditioners, math computation modules, remote network I/O transmitters and control systems at George T. Lohmeyer Wastewater Plant.
5	Alfa Laval Inc. Previously known as Ashbrook Simon- Hartley Operations, LP	Alfa Laval Inc. is the manufacturer and exclusive distributor of the belt filter presses, parts, and service utilized to process sewage at the George T. Lohmeyer Wastewater Treatment Plant.
6	Allied Electronics & Automation	Allied Electronics & Automation in Fort Worth TX is authorized distributor to sell Eaton Corporation electrical brand products for industrial control & circuit breakers and power quality products and sell Phoenix Contact power supplies used at the George T. Lohmeyer Wastewater Plant.

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
7	Arle Compressors of Florida	Arle Compressors of Florida is the sole source provider for the compressor equipment, air systems, parts, and service used at the treatment plants. All of these systems are critical to the daily operation of the treatment plants and must be kept in optimal running condition in order to meet Federal, State, and local regulatory requirements. Arle Compressor System Corporation is the sole distributor of parts and service for the Ingersoll-Rand compressors and air systems (used at the Plants) in the Florida Market.
8	Arroyo Process Inc.	Arroyo Process Inc. is the exclusive and sole-source representative for all aftermarket Pulsafeeder pumps, parts, and accessories in the South Florida municipal market. Pulsafeeder pumps, parts, and service are used at the Water Treatment Plants, and at the GTL Wastewater Plant. In addition, Pulsafeeder is the provider of the polymer pump unit which consists of the polymer pump, gearbox, coupling, AC electric motor, and mounting base plate. Pulsafeeder pumps are also used to process biosolids at GTL Wastewater Plant.
9	Aqua Metrology Systems Limited	Aqua Metrology Systems, Limited is the sole source provider of the parts and services of THM - 100 Analyzer, Trace Analyzers - Safe Guard, Metal Guard and Safe Guard H2O products, and associated technical support and services for these products. The THM - 100 Analyzer is used to measure trihalomethanes at the Fiveash Water Treatment Plant.
10	Barney's Pumps, Inc.	Barney's Pumps, Inc. is the sole source distributor of Hydromatic and Homa brands replacement pumps, parts, and service for sanitary sewer pump stations, stormwater pump stations, and sewage stations throughout City.
11	BCI Technologies, Inc.	InSource/BCI Technologies, Inc. is the exclusive product support distributor of Citect access points (tags), parts and service owned by Schneider Electric USA, Inc. Citect Supervisory Control and Data Acquisition (SCADA) provides the process control used to operate sanitary sewer pump stations, water treatment plants, and wastewater treatment plant.
12	Cardinal Scale Manufacturing Company	Cardinal Scale Manufacturing Company is the manufacturer and the sole supplier of parts and service for the measuring scales utilized at the George T. Lohmeyer Regional Wastewater Treatment Plant (GTL).

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
13	Carter & VerPlanck, Inc.	Carter & VerPlanck, Inc. is the exclusive sole source distributor for FlowServe pumps, parts, and service used throughout the City's water distribution system and wastewater treatment plant. They are also sole source distributor for Voglesang pumps and service used for biosolids processing at the wastewater plant.
14	Chemrite, Inc.	A corrosion inhibitor study was done by Hazen and Sawyer and a recommendation to use the chemical LOP 3600 was made to be used in the Peele Dixie Water Treatment Plant. The study concludes that this is the best inhibitor to use during the water treatment process as it lessens the corrosivity from the finished water that is distributed. Chemrite, Inc. is the manufacturer of LOP 3600 and is the exclusive distributor of this chemical in the State of Florida.
15	Core & Main LP	Core & Main is the exclusive authorized distributor of Sensus products in the state of Florida. The sensus compound meters are installed through-out the City in the large users.
16	CUES, Inc.	Cues, Inc. is the sole source manufacturer and provider of the Close Circuit TV (CCTV) video equipment, software, and service used to TV the City's water distribution and wastewater collections system.
17	Cummins, Inc.	Cummins Inc. is the parts and service provider for Cummins power systems such as diesel generators, transfer switches, and switchgear used throughout the City's Distribution & Collection Systems, and Water and Wastewater Plants.
18	Eaton Corporation	Eaton Corporation is the only company that is permitted to manufacture, sell electrical distribution equipment with Eaton, Cutler-Hammer or Westinghouse trademarks. Eaton electrical Services Systems is the only engineering group which is authorized by the manufacturer to work on Eaton, Cutler-Hammer and Westinghouse electrical distribution products. The Eaton electrical parts and systems are installed in the George T. Lohmeyer Wastewater Treatment Plant.
19	Environmental Products of Florida Corporation	Environmental Products of Florida Corporation is the sole source provider of parts and service for Rover, RoverX robotic and Supervision robotic camera systems and quick view zooming and manhole inspection system. This equipment is used to inspect the City's sewer system.
20	F.J. Nugent & Associates, Inc.	F.J. Nugent & Associates, Inc. is the exclusive factory authorized Ebara fluid handling products, parts, and service vendor in this municipal market. Ebara Pump and Grundfos pumps and equipment brand is in service throughout the City's water distribution system. F.J. Nugent is Purafil ESD's sole and exclusive authorized representative for chemical filtration and environmental monitoring products and service used at the City's Wastewater Treatment Plant.

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
21	Fluid Control Specialties, Inc.	Fluid Control Specialties, Inc. is the sole authorized representative for parts, components, and service of Rotork motor operated valves, Dezurik, and APCO valves, Rosemount Measurement, Rosemount Analytical, Emerson PM, Micro Motion Division, Hilton, Willamette, Rodney Hunt Company and Jash USA products, parts, and service in Florida used throughout the City's water distribution system and the Water and Wastewater Plants. Fluid Control Specialties is the only sales representative and factory authorized supplier of Bermad control valves & air valves used in the water and wastewater plants.
22	<del>FPI Pumps, Inc.</del> MWI Corporation (Farmers Manufacturing)	FPI Pumps, Inc. is the manufacturer and the exclusive sole source distributor of FPI/Farmers pumps, parts, and service in this municipal market. Public Works maintains and operates two large storm stations in the heart of downtown Fort Lauderdale and both were originally engineered and built with FPI/Farmers pumps. These assist with the flood control throughout the year and during King Tide events.
23	Gilson Engineering Sales of Florida, Inc.	Gilson Engineering Sales of Florida, Inc. is the exclusive distributor of Seametrics flowmeters and replacement parts and service brand in this municipal market. Seametrics flowmeters are installed on the City's wellfields and the two monitor wells in the Water Treatment Plant injection well site. Gilson Engineering Sales of Florida, Inc. is the exclusive distributor of Insite Instrumentation analytical instruments, OmniSite, Sensideyne, and products, parts, and service, Siemens process instrumentation products, Moore Industries products used in our wastewater treatment plants.
24	GPE Controls dba Shand & Jurs an L & J Technologies Company	GPE Controls dba Shand & Jurs is the sole manufacturer and source to provide, inspect and make repairs on Shand & Jurs equipment used at the George T. Lohmeyer Waste Water
25	H. C. Warner Inc.	H. C. Warner Inc. is the sole distributor of HYDAC, parts and service equipment for the State of Florida. The City uses HYDAC sand straining equipment exclusively at the Peele Dixie Water Treatment Plant to remove sand and other particulate matter larger than 50 microns from the raw water supply entering the plant.
26	Huber Technology, Inc. (Huber SE, HydroPress Huber AB and Huber Picatech AG).	Huber Technology, Inc. is the sole source provider of replacement parts and service for the RAKEMAX screen, Screw Conveyor RO8t, and the ROTOMAT – Waschpresse WAP equipment used at the George T. Lohmeyer Wastewater Plant to process wastewater.

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
27	Johnson Controls Fire Protection, LP	Johnson Controls Fire Protection, LPI is the sole source parts and service provider for the security system at the Peele Dixie Water Treatment Plant.
28	IDEXX Distribution, Inc. and IDEXX Laboratories, Inc.	The City of Fort Lauderdale is certified to analyze for drinking water bacteriological samples under Standard Methods 92223B. This method uses Colilert vessels and Colilert power packages IDEXX Distribution, Inc. (FEIN #35-2186625) is a wholly owned subsidiary of IDEXX Laboratories, Inc. and is the sole supplier of (Colilert*, reagent Colilert reagent, Cloilert* Comparator, Colisure* reagent, IDEXX Vessel, Quanti-Tray*, Sealer PLUS, Quanti-Tray*, All Colilert* Starter Kits, All 20 -pack, 100 pack, and 200 pack Combo Packs IDEXX- QC kit, SimPlate* for HPC test kit.
29	Moss Kelley, Inc./MKI Services, Inc.	Moss Kelley, Inc./MKI Services Inc. represents Huber Technology Inc. in the state of Florida and has the authority to distribute OEM parts and equipment for Huber SE, HydroPress, Huber AB and Huber Picatech AG. In addition, Moss Kelley, Inc./MKI Services Inc. is the manufacturer representative in the State of Florida for Fontaine-Aquanox products and parts. Lastly Moss Kelley/MKI Services Inc. is the exclusive local representative and supplier of JDV equipment parts and products. This equipment and parts is used in the operation of the GTL Wastewater Treatment plant.
30	Nalco Company	The Nalco Water is the sole source provider of The Nalco PC-1850T - antiscalant is used at the Peele Dixie Water Treatment Plant - Antiscalant precisely monitors the presence and dose of the pre-treatment chemical in the membrane feed water.
31	OMNTEC Manufacturing, Inc.	OMNTEC Manufacturing, Inc. manufactures unique tank gauging and leak detection solutions for diesel fuel tanks used for generators installed throughout the City's Collection system. They use proprietary BX network protocol and self-testing electro-optic sensors for leak detection.
32	Ovivo, USA, LLC	Ovivo USA, LLC is the exclusive manufacturer and distributor of eleven Eimco brand clarifying units, parts, and service at the wastewater and water treatment plant used to settle and manage solids in the GTL Wastewater Treatment Plant and for hydro-treaters used for the lime softening process at the Fiveash Water Plant.



**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
33	Pantropic Power Inc.	Pantropic Power, Inc. is the sole source and exclusive distributor in this market for the Caterpillar brand in this municipal market. Public Works staff maintains and operates both stationary and portable Caterpillar emergency generators and parts and service. This equipment is used in hurricanes and other types of emergencies.
34	PSI Technologies	PSI Technologies the exclusive factory authorized vendor for WILO EMU (Eschtzel Meyer Unterwasserpumpen) pumps and mixers manufactured under the Wilo brandparts and service. WILO EMU equipment is in service throughout the City's Collections System.
35	Rexel, Inc.	Rexel, Inc. is the exclusive factory authorized Allen Bradley distributor of electrical switchgear and components for this municipal market. Allen Bradley brand equipment is used throughout the City's water distribution system, wastewater collection system, and treatment plants.
36	Siemens Industry, Inc. LDA	Siemens Industry Inc, Large Drive, Customer Services (LDA, CS) is the sole source provider of warranted service for the Sinamics Perfect Harmony GH180 product line, equipment services, and application equipment installed at the George T. Lohmeyer Waster Treatment Plant.
37	Southern Sewer Equipment Sales	Southern Sewer Equipment Sales is the exclusive dealer in Florida for USB-USA LLC sewer cleaning equipment used by the City's Stormwater section during maintenance activities to meet operational needs.
38	Sullivan Electric & Pump Inc.	Sullivan Electric & Pump, Inc. is the sole distributor in Palm Beach, Broward, and Dade County for the Yaskawa Industrial & IQ services and Variable Frequency Drives (VFD) product line installed at the George T. Lohmeyer Wastewater Treatment Plant.
39	Team Industrial Services	Team Industrial Services is the sole source manufacturer of InsertValve used in the City's Distribution System to install valves to isolate leaks and minimize impact to the customers. Team Industrial Services holds patents for their InsertValve. The patent numbers are 6,776,184 and 7225,827. The patents will expire February 28, 2023.

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
40	Tencarva Machinery Company d/b/a Hudson Pump & Equipment	Tencarva Machinery Company d/b/a Hudson Pump & Equipment is the sole source distributor of pumps, parts and service for Allis Chalmers, Goyne Pump, Gould Morris, Gorman Rupp, SPXFLOW Lightin brands, Flygt AC Series, Lightin brand mixers, parts, and service, Crane Pump Systems in this municipal market. Allis Chalmers, Gould Morris, Gorman Rupp, Crane Pump Systems, Flygt AC Series, Lighting Brand equipment are in service throughout the City's water distribution system.
41	Thompson Pump and Manufacturing Company, Inc.	Thompson Pump and Manufacturing Company, Inc. is the manufacturer and exclusive distributor of pumps, parts, components, and service for large portable generators used by Public Works.
42	Trinova Florida	TriNova Inc. is the sole source authorized representative for State of Florida municipal market excluding the panhandle. Trinova Inc is the sole exclusive representative for Endress Hauser for the purchase of new products, OEM repair/replacement parts, repairs and maintenance. TriNova, Inc. is also the authorized representative for ProMinent Fluid Control, Inc. for the Florida municipal market. The equipment, parts, and services are used at the Fiveash Water Treatment Plant.
43	TCS-JACOBS, INC., Jacobs Air Water Systems, and JAWS/TSC-Jacobs	TSC- Jacobs is the exclusive agent for Ovivo on Eimco parts and service used during the water and wastewater treatment process at Fiveash Water Treatment Plant and George T. Lohmeyer Wastewater Treatment Plant.
44	Waco Filters Corporation	Waco Filters Corporation is MGS Filter Products sole distributor in the Florida market. MGS filters are used in the Peele Dixie Water Treatment plant filtration process.
45	Wapro, Inc.	As part of the Stormwater Master Plan, the City is purchasing Wapro, Inc. tidal valves. Wapro, Inc. inline check valve's fabrication is more rigid, and the flap material is less susceptible to deformation by foreign materials. This is a less cumbersome installation process and requires less maintenance overall. Wapro, Inc. holds a proprietary patent on their check valves. The patented design provides a one-way flow in a conduit which delivers minimal flow resistance providing good results.

**Public Works Proprietary Vendors  
FY2020**

#	Vendor	Description
46	Water Treatment & Controls Company	Water Treatment & Controls Company is the sole source for parts and service for Evoqua Water Technologies, Wallace & Tiernan chlorine equipment and lime systems used at the water treatment facilities.
47	William W. Meyer & Sons, Inc.	William W. Meyer & Sons Inc. is our sole source vendor for our rotary airlock valves. Meyer supports Rotary Airlock Valves, Sanitary Airlock Valves, Double Flap Gate Valves, and Pneumatic Screw Pumps that handle the Fiveash Water Treatment Plant lime delivery application.
48	Xylem Dewatering Solutions, Inc.	Xylem Dewatering Solutions, Inc is the sole provider and sole manufacturer of the Godwin Dri-Prime line of pumps, Sub-Prime line of electric pumps, and Heidra line of hydraulic pumps used in the City's Collection's system.