

**DEPARTMENTAL INPUT**  
**CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

New   
  OTR   
  Sole Source   
  Bid Waiver   
  Emergency   
 Previous Contract/Project No.  

Contract  
 Re-Bid   
  Other   
 LIVING WAGE APPLIES:  YES   
 NO

Requisition No./Project No.: RQET1700006   
 TERM OF CONTRACT: 0 YEAR(S) WITH 0 1 YEAR OTRs

Requisition /Project Title: Hewlett Packard Network Hardware and Services

Description:

The purpose of this solicitation is to purchase Hewlett Packard (HP) network hardware and services. The equipment is required by the Miami-Dade Information Technology Department (ITD) to upgrade HP 3PAR Storage at WASD Facility. All purchases made against the resultant contract shall be made through a certified HP partner. This is a one-time purchase.

Issuing Department: ITD   
 Contact Person: Santiago A. Pastoriza   
 Phone: 305-375-1084

Estimate Cost: \$ 411,875.24

Funding Source: Internal Services Funds

**ANALYSIS**

<b>Commodity Codes:</b>	<span style="border: 1px solid black; padding: 2px;">20540</span>		
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.			
	<b><u>EXISTING</u></b>	<b><u>2<sup>ND</sup> YEAR</u></b>	<b><u>3<sup>RD</sup> YEAR</u></b>
<b>Contractor:</b>			
<b>Small Business Enterprise:</b>			
<b>Contract Value:</b>	\$	\$	\$

Comments: In order to be considered for award of this solicitation, Bidders must be a Certified Hewlett Packard Partner

Continued on another page (s):   
 YES   
 NO

**RECOMMENDATIONS**

	Set-aside	Sub-contractor goal	Bid preference	Selection factor
<b>SBE</b>				

Basis of recommendation:  
See bid document

Signed: Santiago A. Pastoriza	Date sent to SBD: <span style="border: 1px solid black; padding: 2px;">01/12/2017</span>
	Date returned to ISD Procurement: <span style="border: 1px solid black; padding: 2px;"> </span>

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## **SECTION 2 - SPECIAL TERMS AND CONDITIONS**

### **2.1 PURPOSE**

The purpose of this solicitation is to purchase Hewlett Packard (HP) hardware and services as outlined within Section 3 "Technical Specifications". The equipment is required by the Miami-Dade Information Technology Department (ITD) to upgrade HP 3PAR Storage at WASD Facility. All projects specifies HP hardware. Consequently, all purchases made against the resultant contract shall be made through a certified HP partner.

### **2.2 TERM OF CONTRACT**

This contract shall commence upon the date of the purchase order and shall remain in effect until such time as all items purchased in conjunction with this solicitation have been delivered and accepted by the County's authorized representative and upon completion of the expressed and/or implied warranty periods.

### **2.3 METHOD OF AWARD**

Award of this contract will be made to the responsive, responsible Bidder who submits an offer on all items listed in the solicitation and whose offer represents the lowest price when all items are added in the aggregate. If a Bidder fails to submit an offer on all items, its overall offer may be rejected. The County will award the total contract to a single vendor.

### **2.5 PRICES**

If the Bidder is awarded a contract under this solicitation, the prices proposed by the Bidder shall remain fixed and firm during the term of the contract.

### **2.6 CERTIFICATIONS**

In order to be considered for award of this solicitation, Bidder(s) must be a certified HP Partner. Bidder(s) are advised that along with their bid submission, an authorization letter from HP must be included confirming the current status of the firm as being a certified HP Partner.

### **2.7 ACCEPTANCE OF PRODUCT BY THE COUNTY**

The product(s) to be provided hereunder shall be delivered to the County, and maintained if applicable to the contract, in full compliance with the specifications and requirements set forth in this contract. If a vendor-provided product is determined to not meet the specifications and requirements of this contract, either prior to acceptance or upon initial inspection, the item will be returned, at vendor expense, to the vendor. At the County's own option, the vendor shall either provide a direct replacement for the item, or

provide a full credit for the returned item. The vendor shall not assess any additional charge(s) for any conforming action taken by the County under this clause.

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**2.8 "EQUAL" PRODUCT CANNOT BE CONSIDERED**

The specific items listed in Section 3.2, "Equipment to be Provided", are the only products that will be accepted under this solicitation because these items are formally approved/authorized by the Miami-Dade Information Technology Department. "Equal" products shall not be considered.

**2.9 PACKING SLIP / DELIVERY TICKET TO ACCOMPANY ITEMS DURING DELIVERY**

The successful bidder shall enclose a complete packing slip or delivery ticket with any items to be delivered in conjunction with this bid solicitation. The packing slip shall be attached to the shipping carton(s) which contain the items and shall be made available to the County's authorized representative during delivery. The packing slip or delivery ticket shall include, at a minimum, the following information: purchase order number; date of order; a complete listing of items being delivered; and back-order quantities and estimated delivery of back-orders if applicable.

**2.10 DELIVERY AT TWO MIAMI-DADE COUNTY LOCATIONS**

GROUP 1 - will be delivered to the Miami-Dade County Water & Sewer, 3071 SW 38th Ave, Miami Florida 33146 – (PSR#201601401556)

GROUP 2 - will be delivered to the Miami-Dade County Regional Data Processing & Communications Center, RDPCC – 5680 SW 87th Ave, Miami, Florida 33173 (PSR#201601402244)

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### **SECTION 3 – TECHNICAL SPECIFICATIONS**

#### **3.1 SCOPE OF WORK**

The purpose of this solicitation is to purchase Hewlett Packard (HP) equipment and services. The equipment is required by the Miami-Dade Information Technology Department (ITD) ) to upgrade the Veeam virtual server backup environment utilizing HP hardware. Consequently all purchases made against the resultant contract shall be made through a certified HP partner.

#### **3.2 GOODS / SERVICES TO BE PROVIDED**

##### **3.2.1 - GROUP 1**

The equipment to be provided correspond to the requirements for Site A – these items will be delivered to the Miami-Dade County Water & Sewer, 3071 SW 38th Ave, Miami Florida 33146. The required hardware is identified below:

<b>Manufacturer Part #</b>	<b>Description</b>
	<b>Group 1 – Water &amp; Sewer</b>
727021-B21	HP BL460c Gen9 10Gb/20Gb FLB CTO Blade
726988-L21	HP BL460c Gen9 E5-2680v3 FIO Kit
726988-B21	HP BL460c Gen9 E5-2680v3 Kit
726724-B21	HP 64GB (1x64GB) Quad Rank x4 DDR4-2133
781518-B21	HP 1.2TB 12G SAS 10K 2.5in SC ENT HDD
766491-B21	HP FlexFabric 10Gb 2P 536FLB FIO Adptr
761871-B21	HP Smart Array P244br/1G FIO Controller
651281-B21	HP QMH2572 8Gb FC HBA

U7BR5E	HPE 5Y FC NBD BL4xxc Gen9 SVC
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**3.2.2 GROUP 2**

The equipment to be provided correspond to the requirements for Site B – these items will be delivered to the Miami-Dade County Regional Data Processing & Communications Center, RDPCC – 5680 SW 87<sup>th</sup> Ave, Miami, Florida 33173.

Manufacturer Part #	Description
	<b>Group 2 – ITD @ RDPCC</b>
	<b>Array 1 Expansion Hardware and Licensing</b>
E7Y57A	HPE M6710 1.92TB SFF SSD
BC774AAE	HP 3PAR 7400 OS Suite Drive E-LTU
BC776AAE	HP 3PAR 7400 Replication Ste Drive E-LTU
BD271AAE	HP 3PAR 7400 Data Opt St v2 Drive E-LTU
	<b>Array 1 Expansion Services</b>
H1K92A3	HPE 3Y Proactive Care 24x7 Service
H1K92A3#S7D	HPE 3PAR 7400 OS Suite Drive LTU Support
H1K92A3#S7	HPE 3PAR 7400 Replic Suite DriveLTU Supp
H1K92A3#S7X	HPE 3PAR 7400 Data Opt St v2 DrvLTU Supp
H1K92A3#TQV	HPE 3PAR 7000 1.92TB SAS cMLC SSD Supp
HA124A1#5T	HPE Startup 3PAR 7000 HDD-SSD Drive SVC
	<b>Array 2 Expansion Hardware and Licensing</b>
E7Y57A	HPE M6710 1.92TB SFF SSD

BC774AAE	HP 3PAR 7400 OS Suite Drive E-LTU
BC776AAE	HP 3PAR 7400 Replication Ste Drive E-LTU
BD271AAE	HP 3PAR 7400 Data Opt St v2 Drive E-LT
	Array 2 Expansion Services
H1K92A3	HPE 3Y Proactive Care 24x7 Service
H1K92A3#S7D	HPE 3PAR 7400 OS Suite Drive LTU Support
H1K92A3#S7E	HPE 3PAR 7400 Replic Suite DriveLTU Supp
H1K92A3#S7X	HPE 3PAR 7400 Data Opt St v2 DrvLTU Supp
H1K92A3#TQV	HPE 3PAR 7000 1.92TB SAS cMLC SSD Sup
HA124A1#5TX	HPE Startup 3PAR 7000 HDD-SSD Drive SVC

**3.3 HP TECHNICAL INSTALLATION STARTUP REQUIREMENTS**

**HPE Installation and Startup Services minimum requirements-**

**3.3.1 - SERVICE PLANNING AND COORDINATION:**

A Hewlett Packard Enterprise service specialist will plan all the necessary activities, including the identification of any prerequisites (see the 'Service eligibility' section), and schedule the delivery of the service at a time mutually agreed upon by HPE and the County Project Manager, which shall be during local HPE standard business hours excluding HPE holidays, unless otherwise agreed in writing. The service specialist will provide the planning and coordination activities detailed below either remotely or onsite, as required.

The service specialist will perform the following installation planning and coordination activities:

- Communicate with the Customer, which includes fielding the Customer’s queries regarding service delivery as well as requesting any information needed from the Customer.
- Verify, using a pre-delivery checklist, that all service prerequisites have been met, and that the County’s host and SAN environment are compatible with any

required HPE Operating System upgrades or patches prior to delivery of the installation services.

- Schedule the array deployment at a mutually agreed-upon time.
- Facilitate a brief discussion to guide the County Technician and users in defining array configuration objectives based on application performance, availability needs, virtual volume layout, and Hewlett Packard Enterprise best practices

### 3.3.2 - SERVICE DEPLOYMENT:

- Coordinate the installation
- Install HPE hardware and upgrades according to the product specifications
- Upgrade to the latest release of HPE Operating System and confirm that the HPE Operating System is at a supported and appropriate version
- Initialize the array.
- If required, assist the Customer with installation of HPE Management Console software on a County provided server.
- Verify that the license keys for the purchased HPE Operating System Software Suite array-based features are installed, that the County has access to appropriate product documentation, and that the County staff understands how to obtain additional optional integration assistance if required
- For initial installation of an array, create and present a test virtual volume using non-production data for up to two hosts
- For hardware performance, capacity, and functionality upgrades, as applicable, verify that the required HPE Operating System version or patches are installed; if they are not installed and the County is entitled to updates, install the required HPE 3PAR Operating System updates or patches, and install and initialize any purchased upgrade components
- For HPE software beyond the HPE Operating System Software Suite, provide the County with instructions on how to access appropriate product documentation and how to obtain additional optional integration assistance if required
- As applicable, provide limited integration of up to two hosts (physical or virtual) running a single OS into a preexisting operational SAN/network consisting of switch technologies that meet the supportability standards of the HPE SAN Design Guide or another HPE supported configuration; integration of a host is defined as performance of the following essential tasks necessary to establish and confirm visibility of a test virtual volume to the intended host:
  - Advise the County of zoning and multipathing requirements based on the host implementation guides
  - Verify that the County technical team has read/write access to virtual volumes from the target hosts.
  - Confirm that the County has path failover and failback functionality to the target hosts

### 3.3.3 - INSTALLATION VERIFICATION TEST:

HPE to perform the appropriate installation verification tests to confirm product functionality, including verification that:

- The event logs are accumulating data.
- Visibility of a test virtual volume using non-production data for up to two hosts, as applicable, can be confirmed
- The remote support and monitoring solution is installed and operational, as applicable

### 3.3.4 - CUSTOMER ORIENTATION SESSION:

For installation of a new array, the service specialist will conduct an orientation session of up to 1-hour duration for the HPE Hardware and up to 4-hour duration for HPE Hardware, with the goal of reviewing the configuration information and demonstrating basic operation of the installed HPE Hardware product.

During the orientation session, the HPE shall, if applicable:

- Provide the Customer with information about how to obtain array configuration information.
- Demonstrate the creation of a virtual volume
- Highlight the basic operation of the virtual or physical service processor, array hardware, and HPE Operating System
- Verify that the Customer understands how to gain access to product documentation
- Provide an overview of the system architecture
- Inform the County technicians how to contact Hewlett Packard Enterprise for support
- Hold a brief question and answer forum with the County.

Provide orientation training on the installation. The session is informal and will be held at a management console with selected members of the County technical team. This is not intended as a classroom activity or substitute for formal product training

### 3.3.5 - COUNTY RESPONSIBILITIES:

- Contact a Hewlett Packard Enterprise service specialist within 90 days of date of award to schedule the delivery of the service.
- Coordinate service deployment on third-party-maintained products (if applicable) with Hewlett Packard Enterprise.
- Ensure that all service prerequisites as identified in the 'Service eligibility' section have been met prior to service delivery
- Complete and return the prerequisite Hewlett Packard Enterprise pre-delivery checklist to the service specialist at least two weeks prior to the start of the service, including array configuration information for upgrade installations, as necessary
- Assign a designated person from the Customer's staff who, on behalf of the Customer, will grant all approvals, provide information, and otherwise be available to assist Hewlett Packard Enterprise in facilitating the delivery of this service.
- Ensure that all hardware, firmware, and software that the service specialist will need to deliver this services are available and that software products are properly licensed.



- Ensure the availability of one or more individuals who will provide administrator-level access to the systems where the work is to be performed.

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