

# DEPARTMENTAL INPUT

## CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

X New   OTR   ☐ Sole Source   ☐ Bid Waiver   ☐ Emergency   Previous Contract/Project No. Contract N/A  
☐ Re-Bid   Other   LIVING WAGE APPLIES: NO

Requisition No./Project No.: FB-00686

Requisition /Project Title: Hewlett Packard (HP) Hardware and Services – One time Purchase

Description: The purpose of this solicitation is to purchase Hewlett Packard (HP) hardware and services. The equipment is required by the Miami-Dade Information Technology Department (ITD) as part of its server recapitalization, which require HP Servers.

Issuing Department: ITD

Contact Person: Sherry Y. Crockett

Phone: 305-375-4693

Estimate Cost: \$246,881

Funding Source: Internal Service Funds

## ANALYSIS

<b><u>Commodity Codes:</u></b> 205-54				
Contract/Project History of previous purchases three (3) years Check here <b>X</b> 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(s):</b>	N/A	N/A	N/A	
<b>Small Business Enterprise:</b>				
<b>Contract Value:</b>				
Comments: <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>				
Continued on another page (s): <input type="checkbox"/> YES <input type="checkbox"/> NO				
<b><u>RECOMMENDATIONS</u></b>				
	Set-aside	Sub-contractor goal	Bid preference	Selection factor
<b>SBE</b>	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div>	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div>	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div>	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div>
Basis of recommendation: <div style="background-color: #cccccc; height: 30px; width: 100%;"></div>				
Signed: <i>Sherry Y. Crockett, CPPB</i>		Date sent to SBD: <i>August 15, 2017</i>		
		Date returned to DPM: <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>		

**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) as part of its server recapitalization, which require HP Servers.

**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 or be an authorized reseller of 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 or an authorized reseller of 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.

**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.

The County will not accept hardware from unauthorized sales channels, sometime known as "Gray Market"

All award under this solicitation shall be warrantied and supported by Hewlett-Packard Enterprise.

**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 MIAMI-DADE COUNTY LOCATION**

Will be delivered to ITD's Regional Data Processing & Communications Center (RCPPC) located at 5680 SW 87<sup>th</sup> Ave Miami, Florida 33173.

**2.11 INSURANCE REQUIREMENTS**

See Section 1, Paragraph 1.22 in General Terms and Conditions.

In addition to those provisions outlined in Section 1.22 of the General Terms and Conditions, the following shall apply:

Awarded Bidder shall require and verify that all of its subcontractors of any tier and/or any suppliers (i.e. product manufacturers) provide insurance coverage (including additional insured provisions) and limits identical to the insurance required of the Awarded Bidder under this agreement unless otherwise accepted. Miami Dade County reserves the right to request copies of subcontractor's and/or supplier certificates of insurance at any time.

Part of support services include on-site next day service.

**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 server and backup environment utilizing HP hardware

**3.2 GOODS / SERVICES TO BE PROVIDED**

The equipment to be provided under ITD Request PSR#201701401608 correspond to requirements detailed on the table below

Qty	OEM	Manufacturer Part #	Description PSR201701401608
7	HP	813198-B21	HPE BL460c G9 E5v4 10/20Gb FLB CTO Blade
7	HP	819838-L21	HPE BL460c Gen9 E5 -2620v4 FIO Kit
28	HP	805347-B21	HPE 8GB 1Rx8 PC4-2400T-R Kit
17	HP	785067-B21	HP 300GB 12G SAS 10K 2.5in SC ENT HDD
7	HP	766491-B21	HP FlexFabric 10Gb 2P 536FLB FIO Adptr
7	HP	761871-B21	HP Smart Array P244br/1G FIO Controller
7	HP	651281-B21	HP Fibre Channel 8Gb QMH2572 Adptr
7	HP	U7BR5E	HPE 5Y FC NBD BL4xxc Gen9 SVC
16	HP	813198-B21	HPE BL460c G9 E5v4 10/20Gb FLB CTO Blade
16	HP	819838-L21	16 HPE BL460c Gen9 E5 -2620v4 FIO Kit
16	HP	819838-B21	HPE BL460c Gen9 E5-2620v4 Kit
64	HP	805347-B21	HPE 8GB 1Rx8 PC4-2400T-R Kit
32	HP	785067-B21	HP 300GB 12G SAS 10K 2.5in SC ENT HDD R
16	HP	766491-B21	HP FlexFabric 10Gb 2P 536FLB FIO Adptr
16	HP	761871-B21	HP Smart Array P244br/1G FIO Controller
16	HP	U7BR5E	HPE 5Y FC NBD BL4xxc Gen9 SVC
20	HP	813198-B21	HPE BL460c G9 E5v4 10/20Gb FLB CTO Blade
20	HP	819838-L21	HPE BL460c Gen9 E5 -2620v4 FIO Kit
20	HP	819838-B21	HPE BL460c Gen9 E5-2620v4 Kit
160	HP	805347-B21	HPE 8GB 1Rx8 PC4-2400T-R Kit
40	HP	785067-B21	HP 300GB 12G SAS 10K 2.5in SC ENT HDD
20	HP	766491-B21	HP FlexFabric 10Gb 2P 536FLB FIO Adptr
20	HP	761871-B21	HP Smart Array P244br/1G FIO Controller
20	HP	U7BR5E	HPE 5Y FC NBD BL4xxc Gen9 SVC

**3.3 GOODS / SERVICES TO BE PROVIDED**

The equipment to be provided under ITD Request PSR#201701401657 correspond to requirements detailed on the table below

Qty	OEM	Manufacturer Part #	Description PSR201701401657
<b>NBU Media Server Recap</b>			
2	HP	719061-B21	HP DL380 Gen9 12LFF CTO Server
2	HP	817927-L21	HPE DL380 Gen9 E5-2620v4 FIO Ki
2	HP	817927-B21	HPE DL380 Gen9 E5-2620v4 Kit
16	HP	805347-B21	HPE 8GB 1Rx8 PC4-2400T-R Kit
2	HP	724864-B21	HP DL380 Gen9 2SFF Bay Kit
4	HP	785067-B21	HP 300GB 12G SAS 10K 2.5in SC ENT HDD
20	HP	861590-B21	HPE 8TB SAS 7.2K LFF SC 512e DS HDD
2	HP	783007-B21	HP DL380 Gen9 P840/440 SAS Cable Ki
2	HP	785991-B21	HP DL380 Gen9 12LFF SAS Cable Kit
2	HP	QW971A	HPE StoreFabric SN1000Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
2	HP	733662-B21	HP 2U LFF Easy Install Rail Kit
2	HP	843199-B21	HPE DL360/380 SA P840ar Cntrlr
4	HP	720478-B21	HP 500W FS Plat Ht Plg Pwr Supply Kit
2	HP	733664-B21	HP 2U CMA for Easy Install Rail Kit
2	HP	BD505A	2 HP iLO Adv incl 3yr TS U 1-Svr L
2	HP	U7AH5E	HP 5y Nbd DL380 Gen9 FC Service, ProLiant DL380 Gen9,9x5 HW support, next NBD onsite response. 24x7 Basic SW phone support with collaborative call mgmt.
	HP	U2WL6E	HPE 5Y FC 24x7 iLO AdvPack NonBL 3yr SVC
<b>Generic Recap</b>			
3	HP	755258-B21	HP DL360 Gen9 8SFF CTO Server
3	HP	818172-L21	HPE DL360 Gen9 E5-2620v4 FIO Kit
3	HP	818172-B21	HPE DL360 Gen9 E5-2620v4 Kit
24	HP	805347-B21	HPE 8GB 1Rx8 PC4-2400T-R Kit
6	HP	785067-B21	HP 300GB 12G SAS 10K 2.5in SC ENT HDD
9	HP	781518-B21	HP 1.2TB 12G SAS 10K 2.5in SC ENT HDD
3	HP	749974-B21	HP Smart Array P440ar/2GB FBWC 12Gb 2-ports Int FIO SAS Controller includes the HP Smart Storage Battery. Provides support for up to 8 internal SAS/SATA drives without using a PCIe slot
3	HP	734807-B21	HP 1U SFF Easy Install Rail Kit
6	HP	720478-B21	HP 500W FS Plat Ht Plg Pwr Supply Kit
3	HP	734811-B21	HP 1U CMA for Easy Install Rail Kit
3	HP	BD505A	HP iLO Adv incl 3yr TS U 1-Svr Lic

3	HP	U7AP9E	HP 5y NBD DL360 Gen9 FC Service, ProLiant DL360 Gen9,9x5 HW support, next NBD onsite response, 24X7 Basic SW phone support with collaborative call mgmt
2	HP	U2WL6E	HPE 5Y FC 24x7 iLO AdvPack NonBL 3yr SVC
	HP		<b>Generic Recap</b>
2	HP	755258-B21	HP DL360 Gen9 8SFF CTO Server
2	HP	818172-L21	HPE DL360 Gen9 E5-2620v4 FIO Kit
8	HP	805347-B21	HPE 8GB 1Rx8 PC4-2400T-R Kit
4	HP	785067-B21	HP 300GB 12G SAS 10K 2.5in SC ENT HDD
2	HP	749974-B21	HP Smart Array P440ar/2GB FBWC 12Gb 2-ports Int FIO SAS Controller includes the HP Smart Storage Battery. Provides support for up to 8 internal SAS/SATA drives without using a PCIe slot
2	HP	734807-B21	HP 1U SFF Easy Install Rail Kit
4	HP	720478-B21	HP 500W FS Plat Ht Plg Pwr Supply Kit
2	HP	734811-B21	HP 1U CMA for Easy Install Rail Kit
2	HP	BD505A	HP iLO Adv incl 3yr TS U 1-Svr Lic
2	HP	U7AP9E	HP 5y NBD DL360 Gen9 FC Service, ProLiant DL360 Gen9,9x5 HW support, next NBD onsite response, 24X7 Basic SW phone support with collaborative call mgmt
2	HP	U2WL6E	HPE 5Y FC 24x7 iLO AdvPack NonBL 3yr SVC

### 3.4 HP TECHNICAL INSTALLATION STARTUP REQUIREMENTS

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

##### 3.4.1 - 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

**3.4.2 - 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 h 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

**3.4.3 - 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

**3.4.4 - CUSTOMER OREIENTATION 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

#### 3.4.5 - 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.