

	<b>SOLICITATION ADDENDUM</b>		<b>CITY OF PHOENIX</b> Procurement Division 251 W. Washington Street 8th Floor Phoenix, AZ 85003 Phone: (602) 262-7181
	Solicitation Number: IFB 21-026 Addendum #1 Page 1 of 5		
	Solicitation Due Date: September 18, 2020, 2:00 p.m. Local AZ Time		

**IFB 21-026 ENTERPRISE STORAGE EQUIPMENT AND SERVICES – REQUIREMENTS CONTRACT**

Please make the following changes to the above-referenced solicitation:

**ADD:**

**Section V – Scope of Work, item 2. Enterprise Storage Architecture, paragraph 6, add:**  
The City desires deployment to begin within 60 days of contract award.

**QUESTIONS AND ANSWERS**

Find below the questions and responses provided by the City in response to the Written Inquires received by the deadline of September 9, 2020.

Item No.	Question	Response
1.	Would the City of Phoenix entertain a Cloud Service bid for this project?	No. The City is not interested in entertaining a cloud service bid at this time. The City desires replacement of its existing storage arrays in its enterprise data centers with storage arrays meeting the requirements detailed in the Scope of Work. Refer to the Section V – Scope of Work starting on 51.
2.	What server level agreements would be expected?	SLAs are detailed in Table 7, Requirements 24, 25, and 26. Refer to Section V – Scope of Work – Table 7 Minimum Requirements starting on page 56.
3.	If Cloud services are acceptable, would the City accept an offer for a subscription agreement for the terms expected of three years with an option to extend for another three?	See the answer to question 1.
4.	The previous solicitation issued by the City in support of this project, RFQ-20-101 (KFT), specified the NASPO Master Agreement and Arizona Participating Addendum (“NASPO Agreement”) as the basis of any resulting contract award and it is our understanding there were numerous bidders with valid NASPO Agreements. Further, the City’s existing storage infrastructure to be replaced in connection with this project was provided under the terms of the NASPO Agreement. The current solicitation does not utilize the NASPO Agreement and instead specifies a new set of terms and conditions. Why does the current solicitation not utilize the NASPO Agreement and what precipitated this change?	The City determined it was in its best interests to re-solicit this project to ensure that the City received competitive bids to obtain the best equipment and services at the best price. The City does not utilize other agency terms and conditions when it puts out its own solicitation; the City has its own terms and conditions.



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5.	Will the City accept responses to this solicitation that utilize the NASPO Agreement or exceptions with similar terms and conditions, in lieu of the new terms and conditions set forth in the solicitation documents, as the basis of a resulting contract award?	No. The City does not utilize other agency terms and conditions when it puts out its own solicitation; the City has its own terms and conditions.
6.	Should the unstructured backup target data be configured with (fiber channel protocol) or IP / NFS connected to Commvault servers?	For Commvault specifically, either solution is acceptable. However, IP connectivity must be provided for all other unstructured storage (i.e. SMB, NFS)
7.	As part of the disaster recovery replication requirement for structured data, should the tier 1 platform support bi-directional replication?	Yes.
8.	Will there be a future need to support a DR test without disruption to continuous replication utilizing writeable snapshots?	This is not a requirement of the Scope of Work.
9.	If equal performance can be given would the City consider a hybrid tier 2 system to save a considerable amount of money?	The Scope of Work clearly states that the City does not desire hybrid storage arrays. All storage arrays must be flash-based. Refer to Section V – Scope of Work, item 6. Minimum requirements, requirement 1 in Table 7 Minimum Requirements, page 56.
10.	Do the tier 2 arrays need to meet the requirements 13, 14, and 15?	Yes. Tier 2 storage arrays must meet Requirements 13, 14, and 15. All requirements apply to both Tier 1 and Tier 2 storage systems unless stated otherwise. Refer to Section V – Scope of Work, item 6. Minimum Requirements, page 55.
11.	Can you provide a rough estimate on capacity consumed in TB for each application listed below? Databases: File Share: Media: Virtual Desktop (non-persistent): Virtual Desktop (persistent): Other: Non-reducible:	The current approximate Tier 1 Block Storage consumption by identified data type is: Database 18.00 TB File Share 362.00 TB Unix File System 138.00 TB VMware 87.00 TB The current Tier 2 Unstructured data is detailed in Table 4 on page 54.  Offerors are reminded that their proposed solutions must include sufficient storage to meet the city's 3-Year Forecasts shown in Tables 3 and 6 on pages 53 and 55, respectively.
12.	Is there a requirement to be able to tier storage between tier 1 and tier 2 capacity (for e.g. extents migration based on heat or cold activity)	No. This is not a requirement of the Scope of Work.
13.	Does tier 1 and tier 2 have to be on same storage array platform?	No. This is not a requirement of the Scope of Work.



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14.	Are capacities outlined in the tables in section V usable or raw capacities?	The capacities listed in the tables in Section V – Scope of Work are usable capacities.
15.	Does TB actually represent Terabyte and not Tebibyte (TiB)?	TB equates to Terabyte.
16.	Table 7 rows 4 & 5 says "Storage supports compression/deduplication". Please confirm this requirement is for both tier 1 and tier 2	All requirements apply to both Tier 1 and Tier 2 storage systems unless stated otherwise. Refer to Section V – Scope of Work, item 6. Minimum Requirements, page 55.
17.	You list "Storage solution is certified compatible and will interoperate with the city's existing Brocade DCX 8510-4 switches, Cisco UCS, Dell, HP, IBM Power7, and Oracle (SUN) servers." Would you please elaborate on the Oracle (SUN) servers? OS and version, hardware version and age?	There are two M5000 servers running Solaris 10 that are approximately 10 to 12 years old.
18.	I saw requirements around Offeror and Contractor viability. Are there any City requirements as to the hardware vendor's minimum profitability over any period of time?	Refer to Section I - Instructions, items 15. Pre-award Qualifications and 26. Determining Responsiveness and Responsibility.
19.	We would like to confirm that the requirement for FC support stated in Exhibit A, Requirement #3 is limited to Tier 1 storage and is not applicable to Tier 2 storage, due to NFS and SMB requirements for Tier 2.	Yes, FC compatibility with switches is a requirement specific to Tier 1 solution.
20.	Clarifying Exhibit A, Requirement #7 that a single storage system must be able to scale to 3PB, would the city require that the initial storage controllers be able to support this effective capacity, or would a non-disruptive upgrade to controllers that can support this increased scale when it is required be acceptable?	Each Tier 1 storage array must be capable of scaling to support 3 PBe through the non-disruptive addition of flash storage without a forklift upgrade to any system component including the controllers. If the controllers proposed cannot support up to 3 PBe, the offeror will be deemed non-compliant with Requirement 7.
21.	Clarifying Exhibit A, Requirement #12 that Tier 2 storage be capable of rapidly restoring data, should proposals include restore performance for Tier 2 in GB/s?	Yes, please include restore performance in your narrative or reference in Exhibit A for Requirement 12.
22.	When is the expected award date for IFB 21-026?	Refer to Section I – Instructions, item. 1.1.
23.	Is there a targeted date to begin deployment and data migration?	The City desires deployment to begin within 60 days of contract award and the issuance of a PO. The City desires data migration to begin as soon as the storage arrays have been configured and integrated into the City's data center network and take no longer than 3 months.



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Item No.	Question	Response
24.	Is the existing Commvault backup system be performing deduplication and/or compression of backup data before the data is written to Tier 2?	Yes.
25.	Does the city have specific requirements that must be adhered to regarding COVID-19 during storage implementation and migration?	All personnel in City facilities are required to wear masks and socially distance where possible. Personnel testing positive for COVID, either through PCR or antigen test, or who have come in contact with someone who tests positive are required to immediately notify the City and quarantine for 14 days. These requirements may change by order of the City Manager and should be verified with the City at time of implementation and migration.
26.	Should offerors be required to show optional year 4-6 support and maintenance pricing in the pricing phase, even though years 1-3 are initially purchased?	Offerors are not required to show optional year 4-6 support. If included, it will not be evaluated as part of the bid price.
27.	Does the City of Phoenix plan to use the State Hardware contract to purchase?	No. This is an independent solicitation.
28.	There are some provisions of the Standard and Special Terms and Conditions that would require additional discussion and negotiation prior to agreement. Would the City of Phoenix consider a bid with exceptions?	Refer to Section I, Item 6.Exceptions and Item 26.Determining Responsiveness and Responsibility.
29.	If exceptions are not allowed, would the City of Phoenix consider a bid under an existing contract in lieu of the terms and conditions included in the RFP?	No. Refer to Response 5 and 28.
30.	Based on the pre-award requirements listed below, the vendor must be in business at least 5 years. My company is 2 years young I am assuming this is a deal breaker?	Offerors must have been in operation a minimum of five years. Refer to Section I – Instructions, item 15.1 Pre-Award Qualifications, page 9.
31.	Does the city require a minimum lead time for hardware required for storage implementation and migration services?	This is not a requirement of the Scope of Work. Refer to the answer for question 23.
32.	Clarifying Exhibit A, Requirement #2, that the storage solutions must support NVMe, does that mean that only NVMe media may be used, or that all storage proposed must be able to support NVMe media without replacing anything other than the storage media?	The proposed storage must use NVMe. Refer to Requirement 2.



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The balance of the specifications and instructions remain the same. Bidder must acknowledge receipt and acceptance of this addendum by signing and returning the entire addendum with the bid or proposal submittal.

Name of Company: \_\_\_\_\_

Address: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Print Name and Title: \_\_\_\_\_