


CITY AND BOROUGH OF SITKA

A COAST GUARD CITY

MEMORANDUM

To: Mayor Eisenbeisz and Assembly Members

Thru: John Leach, Municipal Administrator 

From: Grant Turner, IT Director

Date: October 14, 2022

Subject: Approve Ord 2022-27 (DataCenter Disaster Recovery System)

Background

Business continuity and disaster recovery are key pieces of providing a robust and secure datacenter. Whether we are protecting against ransomware or floods, a proper datacenter backup solution should include a full backup of critical systems on a geographically diverse storage device.

Our existing datacenter is currently being backed up locally on the same storage solution that houses its production data.

We do have 20 TB arrays that are replicating some of our data, but we are unable to back up everything. These arrays are also at end of life and are no longer supported. Our primary array has 5.1 TB left in space, but if we were to fill this up we would have a degradation of performance in access to city data.

Analysis

Part of the role of the IT Department at CBS is to provide staff with the systems and technical resources required for them to complete their duties. In the case of the current datacenter suddenly becoming unavailable due to malicious intrusions into our network or a disaster physically damaging the datacenter itself, the systems that city staff use would become unavailable making their duties incredibly difficult to complete.

A robust business continuity and disaster recovery solution helps meet the need of nearly all the main goals of our recent Strategic Plan, but most specifically goal 4: Planning and investing in sustainable infrastructure. Action 4.3 discusses identifying the infrastructure needed to maintain levels of service for the community and implementing this business continuity and disaster recovery solution would be a great step toward doing that.

By approving this ordinance we will expand the current 30 TB array to 82 TB and upgrade the processors to the current standards as well as future proofing it. It also includes the purchase of a second 82 TB array to be placed remotely to the primary array for one to one backup of city data.

Fiscal Note

This solution has been quoted as costing \$99,917.28. This includes maintenance and support for 3 to 5 years, depending on specific pieces of equipment. The anticipated lifespan of this equipment is up to 10 years and any maintenance support would be added to the subsequent budgets for those years with costs estimated in the range of \$5,000 per year.

This capital appropriation will be funded from the IT Fund and the expense will be allocated across other municipal funds with the FY2024 budget.

Recommendation

Approve the ordinance making an appropriation in the amount of \$99,127.28.

Encl: Leverage Systems quote



Leverage Information Systems

Phone: (425) 482-9200
Fax: (425) 485-9400
PO Box 630
Woodinville, WA 98072

Quote

No.: **2204252**

Date: 09/13/2022

Prepared for:
Don MacKinnon
City and Borough of Sitka

Prepared by: Margaret Weeks
Account No.: 3074
Type: Open Market
Job: HPE

CLIN	Qty.	Item ID	Description	UOM	Ea. Price	Total
Promotional Pricing Valid Through 10/26/2022						
001	1	R6H95A	HPE Alletra 5030 HF DC Fld Upgr	EA	\$10,712.90	\$10,712.90
002	1	HU4B5A3	HPE 3Y Tech Care Basic Exch SVC	EA	\$0.00	\$0.00
003	1	HU4B5A3007X	HPE Alletra 5030 HF DC Fld Upgr Supp	EA	\$435.57	\$435.57
004	1	HA124A1	HPE Technical Installation Startup SVC	EA	\$0.00	\$0.00
005	1	HA124A1 5MS	HPE Tier 1 Storage Array Upg Startup SVC	EA	\$2,097.70	\$2,097.70
006	1	Q8B49B	HPE NS HF20X ES3 42TB 2.88TB CTO Shelf	EA	\$14,196.97	\$14,196.97
007	2	Q8J27A	HPE NS C13 to C14 FIO Power Cord	EA	\$0.89	\$1.78
008	1	HA124A1	HPE Technical Installation Startup SVC	EA	\$0.00	\$0.00
009	1	HA124A1 5MS	HPE Tier 1 Storage Array Upg Startup SVC	EA	\$2,068.97	\$2,068.97
010	1	HU4B5A3	HPE 3Y Tech Care Basic Exch SVC	EA	\$0.00	\$0.00
011	1	HU4B5A3 ZEG	HPE NS HF20X ES3 42TB 2.88TB Shelf Supp	EA	\$3,205.46	\$3,205.46
012	1	R4U33A	HPE Alletra 5010 CTO Base Array	EA	\$3,619.11	\$3,619.11
013	1	Q8B88B	HPE NS 2x10GbE 2p FIO Adptr Kit	EA	\$1,109.07	\$1,109.07
014	1	R4U47A	HPE Alletra 5000 2.88TB FIO Cache Bdl	EA	\$6,184.70	\$6,184.70
015	1	R4U48A	HPE Alletra 5000 5.76TB FIO Cache Bdl	EA	\$9,855.61	\$9,855.61
016	2	Q8J27A	HPE NS C13 to C14 FIO Power Cord	EA	\$0.88	\$1.76
017	1	R4U43A	HPE Alletra 5000 84TB SAS FIO HDD Bdl	EA	\$12,119.95	\$12,119.95
018	1	R9X15A	HPE Alletra Tier 1 Storage Array Std Trk	EA	\$0.88	\$0.88
019	1	Q8G27B	HPE Tier 1 Storage OS Default FIO SW	EA	\$0.83	\$0.83
020	1	S0L75AAE	HPE Alletra 5010 SW/Sup 5yr SaaS	EA	\$22,104.00	\$22,104.00
021	1	HA124A1	HPE Technical Installation Startup SVC	EA	\$0.00	\$0.00
022	1	HA124A1 5MR	HPE Tier 1 Storage Array Startup SVC	EA	\$3,272.73	\$3,272.73
023	1	HU4A6A5	HPE 5Y Tech Care Essential SVC	EA	\$0.00	\$0.00
024	1	HU4A6A5 ZET	HPE NS 2x10GbE 2p Adptr Supp	EA	\$1,451.63	\$1,451.63
025	1	HU4A6A5007D	HPE Alletra 5010 CTO Base Array Supp	EA	\$883.25	\$883.25

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CLIN	Qty.	Item ID	Description	UOM	Ea. Price	Total
026	1	HU4A6A5007N	HPE Alletra 5000 84TB SAS HDD Bdl Supp	EA	\$2,942.68	\$2,942.68
027	1	HU4A6A5007T	HPE Alletra 5000 2.88TB FIO CachBdl Supp	EA	\$1,259.10	\$1,259.10
028	1	HU4A6A5007U	HPE Alletra 5000 5.76TB FIO CachBdl Supp	EA	\$2,392.63	\$2,392.63
029	1.00	Freight - Prepay/Add - No Limit	Prepay And Add Actual Freight Costs From Shipper Invoice	EA	\$0.00	\$0.00

Your Price: **\$99,917.28**Total: **\$99,917.28**

Prices are firm until 10/13/2022 Terms: Net 30

Quoted by: Margaret Weeks, margaretw@leverageis.com**Date:** 9/13/2022**Signature:** _____ **PO#:** _____ **Date:** _____**Print Name:** _____ **Title:** _____ **PH# :** _____**Disclaimer**

Unless otherwise quoted, Standard delivery charges are 30 days ARO. Expedited freight will be charged prepay and add. Please notify your sales rep should you want to use a freight account.

If applicable, sales tax will be charged when invoiced.

Leverage Information Systems 30 day return policy does not apply to changed, opened, or cancelled orders. In the event the customer chooses to change or cancel an order, restocking fees may apply.

- Leverage is a Small Business Enterprise
- Pricing is valid for (30) days
- Accepted Methods of Payment - Check or EFT, Please contact your sales rep for re-quote should you like to pay via Credit Card

Tax ID / EIN# 91-1607710

DUNS# 807596051

Cage Code: 0X6H7

Internal / Restricted Classification