



LAKE COUNTY FOREST PRESERVES
www.LCFPD.org

Preservation, Restoration, Education and Recreation

DATE: January 9, 2017

MEMO TO: Craig Taylor, Chair
Operations Committee

FROM: Mary E. Kann
Director of Administration

RECOMMENDATION: Recommend approval of a Resolution awarding a Contract for the purchase of computing equipment and services to CDW Government, Inc. of Vernon Hills, IL, with the total purchase price of \$41,562.00.

STRATEGIC DIRECTION SUPPORTED: Organizational Sustainability

FINANCIAL DATA: Funding for computer hardware replacements was approved as part of the adopted FY2016/17 budget in account 91124100-805100.

BACKGROUND: Pursuant to this agreement, the District will replace the current Storage Area Network with a model that can accommodate the expanding demands of the District's data storage needs. The purchase includes an EMC Storage Area Network with license and a HP STOREONCE 3100 Disk2disk backup device.

REVIEW BY OTHERS: Chief Operations Officer, Information Technology Officer, Director of Finance, Corporate Counsel.

PRESENTER: Mary E. Kann

STATE OF ILLINOIS)
) SS
COUNTY OF LAKE)

**BOARD OF COMMISSIONERS
LAKE COUNTY FOREST PRESERVE DISTRICT
REGULAR JANUARY MEETING
JANUARY 17, 2017**

MADAM PRESIDENT AND MEMBERS OF THE BOARD OF COMMISSIONERS:

Your **Operations Committee** presents herewith “A Resolution awarding a contract for Computing Equipment and Services to CDW Government, Inc.” and requests its approval.

OPERATIONS COMMITTEE:

Date: _____ Roll Call Vote: Ayes: ____ Nays: ____
 Voice Vote Majority Ayes: Nays: ____

**LAKE COUNTY FOREST PRESERVE DISTRICT
LAKE COUNTY, ILLINOIS**

**A RESOLUTION AWARDING A CONTRACT FOR COMPUTING EQUIPMENT
AND SERVICES TO CDW-GOVERNMENT, INC.**

WHEREAS, the Lake County Forest Preserve District (the “District”) desires to purchase an EMC Storage Area Network and License and a HP STOREONCE 3100 Disk2disk backup device (the “Equipment and Services”); and

WHEREAS, pursuant to the Illinois Governmental Joint Purchasing Act, 30 ILCS 525/1, et seq., any governmental unit may purchase personal property, supplies, and services jointly with one or more other governmental units if one of the governmental units has publicly advertised for, and received, competitive, sealed bids or proposals and has awarded a contract for such personal property, supplies, and services to the lowest responsible bidder, all in accordance with such Act; and

WHEREAS, the City of Tucson, Arizona, has publicly advertised for, and received, competitive sealed bids for the Equipment and Services, including a bid by CDW Government, Inc. (“CDW-G”) in the amount of \$41,562.00 (the “Contract Price”); and

WHEREAS, the City of Tucson, Arizona, has awarded a contract for the Equipment and Services to CDW-G, as the lowest-responsible bidder for the Equipment and Services (the “Tucson Contract”); and

WHEREAS, the Tucson Contract provides that other units of local government may utilize the Tucson Contract to purchase Equipment and Services from CDW-G; and

WHEREAS, it is in the District’s best interest to purchase the Equipment and Services from CDW-G pursuant to the terms of the Tucson Contract (the “Contract”);

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Lake County Forest Preserve District, Lake County, Illinois, **THAT**:

Section 1: Recitals. The recitals set forth above are incorporated as a part of this Resolution by this reference.

Section 2: Award of Contract. The bid submitted by CDW-G in the amount of Contract Price is hereby accepted and the Contract is hereby awarded to CDW-G. The Executive Director of the District is hereby authorized and directed to execute the Contract.

Section 3: Payments. The District Treasurer shall make payments under the contract and quotes only pursuant to and in accordance with the attached terms.

Section 4: Effective Date. This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

PASSED this _____ day of _____, 2017.

AYES:

NAYS:

APPROVED this _____ day of _____, 2017.

Ann B. Maine, President
Lake County Forest Preserve District

ATTEST:

Julie Gragnani, Secretary
Lake County Forest Preserve District

Exhibit No. _____



Lake County Forest Preserve - VNX Proposal



Prepared For:
 Customer #:
 Attention:
 Project:
 Date: 09/21/2016

Submitted By: Dave Winkelmann
 Solution Architect
 Phone: 312.705.8939
 E-Mail: davewin@cdw.com
 Quote #: 6000684037 V01

Qty.	Part	Description	
Hardware	1	VSPBM8GFFEA	VNXB 4 PORT 8G FC IO MODULE PAIR
	1	VSPBM1GI4CUA	VNXB 4 PT 1GBASE-T ISCSI IO MOD PR
	1	VNX52DP62510M	VNX5200 DPE 25X2.5" DR-25X600G10K-MIN
	1	VNX52-KIT	VNX5200 DOCUMENTATION KIT=IC
	2	VDMBM1GCUA	VNXB 1GBASE-T DM MODULE 4 PORT
	1	VNX8DMCBLD2	VNXB CABLE KIT FOR DPE + 2 DM+1 CS
	1	C13-250V-ULCSA	250V PWR CRD C13 TO 6-15P UL/CSA
	1	VNXBCS2M	VNXB 2ND CONTROL STATION-MINI RACK
	1	VNXB52DMM	VNX5200 ADD ON DM+FC SLIC-MINI RACK
	1	VNXB52DMEM	VNX5200 DME: 1 DM+FC SLIC-MINI RACK
	1	VNXBCSM	VNXB CONTROL STATION-MINI RACK
	1	W-ENHHW-001	ENHANCED HARDWARE WARRANTY
Hardware Total:			\$15,474.67
Software	1	VNX5200-OE	VNX OE LICENSE VNX5200=IC
	1	VNX5200-UNISU	VNX5200 UNISPHERE UNIFIED SUITE=IC
	1	VNX5200-ESSPCK	VNX5200 SOFTWARE ESSENTIALS PACK=IC
			Extended Sell
Software Total:			\$7,556.08
Support	1	WU-PREHWE-01	PREMIUM HW SUPPORT-WARR UPG (36 mos.)
	1	M-PRESWE-001	PREMIUM SW SUPPORT (36 mos.)
	1	M-PRESWE-001	PREMIUM SW SUPPORT (36 mos.)
			Extended Sell
Support Total:			\$5,473.02
			Extended Sell
Solution Total:			\$28,503.77

Prepared By: Dave Winkelmann (Solution Architect)
 Prices are contingent on final pricing approval from Manufacturer
 Quote provided based on specification provided by customer. No workload validation has been done.
 The terms and conditions provided on this link apply: <http://www.cdw.com/content/terms-conditions/default.aspx>
 Applicable Taxes and Shipping not shown.

QUOTE CONFIRMATION



DEAR JEFF KALUPSKI,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. [Click here](#) to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HNQV190	12/2/2016	HNQV190	0655043	\$5,008.23

QUOTE DETAILS				
ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
HPE StoreOnce 3100 - NAS server - 8 TB Mfg. Part#: BB913A UNSPSC: 43201835 Contract: National IPA Technology Solutions (130733)	1	4274429	\$5,008.23	\$5,008.23

PURCHASER BILLING INFO		SUBTOTAL	\$5,008.23
Billing Address: LAKE COUNTY FOREST PRESERVE 1899 W WINCHESTER RD ACCTS PAYABLE LIBERTYVILLE, IL 60048-5367 Phone: (847) 367-3676 Payment Terms: Net 30 Days-Govt State/Local		SHIPPING	\$0.00
		GRAND TOTAL	\$5,008.23
DELIVER TO		Please remit payments to:	
Shipping Address: LAKE COUNTY FOREST PRESERVE 1899 W WINCHESTER RD ACCTS PAYABLE LIBERTYVILLE, IL 60048-5367 Phone: (847) 367-3676 Shipping Method: MESSENGER		CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION



CDWG Account Team - Jen and Meagan

(866) 339-7925

jennandmeagan@cdwg.com

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at <http://www.cdw.com/content/terms-conditions/product-sales.aspx>
For more information, contact a CDW account manager

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STATEMENT OF WORK

Project Name:	Lake County Forest-11.2016-EMC VNX	Seller Representative: Damian Gonzalez 3127149529 damigon@cdwg.com
Customer Name:	Lake County Forest Preserves (IL)	
CDW Affiliate:	CDW Government, LLC.	Solution Architect: Ryan Nachbauer _____
SOW Effective Date:	November 4, 2016	
Seller Services Manager:	Gene Howell	
Version:	1	

This statement of work (“**Statement of Work**” or “**SOW**”) is made and entered into this November 4, 2016 (the “**SOW Effective Date**”) by and between the undersigned, CDW Government, LLC. (“**Provider**”, “**Seller**” and “**we**”) and Lake County Forest Preserves (IL) (“**Customer**” and “**you**”).

PROJECT DESCRIPTION

PROJECT SCOPE

Seller team will complete the following for Customer. Customer’s staff should be involved in every step of this installation for familiarity and skills transfer. Seller engineers will allow Customer staff to perform as much of this work as time allows.

PLANNING & DESIGN

The Planning and Design phase is a critical step in the project. During the Design Phase, Seller staff will document and review how the resulting system will be configured. Iterative review and validation of requirements by Customer staff is critical to the success of the project. Key activities that will be completed in this phase include:

- Analysis.
- Configuration Planning.
- Design Review – The design principles will be documented and a final design review will be conducted with all technical stakeholders.
- Verification of Customer’s hardware and software requirements.
- Review of and consultation on system implementation/cut-over plans.
- Any applicable configuration documentation.

VNX DEPLOYMENT

Seller personnel shall work closely with Customer staff to perform the following services (“Services”) subject to the Customer satisfying the “Customer Responsibilities” specified herein. Seller:

- Plans and estimates schedule for the installation and configuration tasks for the services.
- Performs the services as defined in this SOW to include the following:

VNX RACK, STACK, AND IMPLEMENTATION

- Racks the VNX hardware containing up to fifty (50) drives total within a limit of two (2) DAEs.
- Cables the VNX system using Customer-provided network and FC cables.
- Configures one network interface, one file system, and one NFS export, CIFS share or iSCSI LUN using Unified installation tools.

VNX BLOCK CONFIGURATION

- Implements four (4) attached, Customer-supplied FC, FCoE, or iSCSI hosts with installed operating systems.
- Creates up to four (4) storage groups and assigned LUNs for each host.
- Connect one or two multi-protocol devices (MDS or Brocade FC switch).
- Completes final configuration of the EMC Unisphere service host agents, if applicable.
- Installs the EMC Unisphere Service Manager (USM).
- Uses the EMC USM to validate or upgrade the FLARE® Block array version.
- Validates Fibre connectivity to storage and IP connectivity to hosts.

VNX FILE CONFIGURATION

- Configures up to two (2) network interfaces on one (1) Data Mover.
- Implements up to two (2) CIFS servers or SFS(s) validated within a single Windows domain.
- Configures up to two (2) file systems and CIFS shares.
- Implements Active Directory (AD) authentication protocol.
- Configures the Name Resolution protocol (Domain Naming Server [DNS]), if required.
- Configures up to two (2) SnapSure checkpoints, if licensed, with one snap for each day.
- Enables quotas for up to two (2) file systems.
- Implements the file system full notification through Unisphere.
- Conducts a Functional Overview.

ENGAGEMENT PLANNING & MANAGEMENT

These tasks will ensure that project completion meets all requirements outlined in the scope of services. It includes the following activities:

- Internal Project Technical Planning
 - Solution and Technical Architecture Review and planning
 - Clearly define project scope, objectives, risks and approach
 - Develop a Work Breakdown Structure and Develop a Project Plan
 - Develop Communication and Escalation Plan
 - Identify project resources, roles, and responsibilities
 - Confirm site readiness and documentation.
- External Project Meeting

- Introduce key participants, stakeholders and project teams
- Verify hardware delivery and specifications
- Solution, requirements and logistics Review
- Review and approve project plan.
- Project Management
 - Task and resource scheduling and assignment
 - Administration, Financial and Team management
 - Escalation and communication management
 - Change control and management
 - Status meetings and reporting
 - Project Closeout.

PROJECT ASSUMPTIONS

In addition to any other assumptions described in this SOW, Seller assumes the following:

1. The scope and objectives of this project will be jointly managed by you and Seller to better ensure completion of the project within the anticipated schedule.
2. If you require Seller to perform additional tasks that fall outside of this SOW additional charges may be incurred and will require Customer sign-off before additional tasks can be completed.
3. Services not specified in this SOW are considered out-of-scope and will be addressed with a separate SOW or Change Order.
4. Functional Overview(s) relate to the Customer's storage environment and is not a substitute for the formal EMC product Customer Education courses available. Seller strongly encourages attendance at Customer Education classes to gain further insight into the product architecture and its integration.

CUSTOMER RESPONSIBILITIES

In addition to any other responsibilities described in this SOW that you may have, your obligations include (without limitation) those listed below.

1. Together with Seller, schedule the performance of the services.
2. Communicate all material project matters to Seller's Project Coordinator.
3. Provide other full-time qualified, knowledgeable personnel who will perform your obligations under this SOW, make timely decisions necessary to move performance of the services forward, participate in this project to the extent reasonably requested by Seller and reasonably assist Seller with its performance of the services.
4. Your personnel will be available on a timely basis, and when reasonably requested by Seller, your personnel will provide input, review the services being performed and the items provided by Seller, answer questions, provide signoff, and allow Seller to gather and validate information, perform reviews and obtain other input.
5. When services are performed at your location, you will provide adequate, co-located workspace for the engagement personnel (both Seller's personnel and your personnel) with appropriate system access. Seller recommends keeping these personnel separate from support teams and those performing daily operations.
6. Acquired all necessary hardware and software required to complete this project.
7. Provide Seller all appropriate media, licensing, and software keys.
8. Provide network connectivity, including cabling, Internet access and voice access for local and long distance calls.

9. Must perform a full back-up prior to Seller arriving to perform the service requested. Seller is neither liable nor responsible for the loss, back-up, or restore of any Customer data.
10. If the above service steps do not meet your implementation expectations, Seller will need to be notified prior to scheduling technician to come on-site.
11. Customer will coordinate tasks for EMC ESRS installation.

OUT OF SCOPE

Tasks outside the statement of work include, but are not limited to:

1. Planning for production data migration.
2. Migration of any production data.
3. EMC ESRS installation.

ITEM(S) PROVIDED TO CUSTOMER

The following will be provided to Customer by the completion of this project.

Table 1 – Item(s) Provided to Customer

Item	Description	Format
Design Workbook	CDW as-built configuration	Excel

PROJECT SCHEDULING

Customer and Seller, who will jointly manage this project, will together develop timelines for an anticipated schedule (“**Anticipated Schedule**”) based on Seller’s project management methodology. Any dates, deadlines, timelines or schedules contained in the Anticipated Schedule, in this SOW or otherwise, are estimates only, and the Parties will not rely on them for purposes other than initial planning.

TOTAL FEES

The total fees due and payable under this SOW (“**Total Fees**”) include both fees for Seller’s performance of work (“**Service Fees**”) and any other related costs and fees specified in the Expenses section (“**Expenses**”). Unless otherwise specified, taxes will be invoiced but are not included in any numbers or calculations provided herein.

Seller will invoice for the Total Fees.

SERVICES FEES

Services Fees will be calculated on a TIME AND MATERIALS basis.

The invoiced amount of Services Fees will equal the rate applicable for a unit of a service or resource (“**Unit Rate**”) multiplied by the number of units being provided (“**Billable Units**”) for each unit type provided by Seller (see Table 2).

The Total Estimated Services Fees of \$8,050.00 is merely an *estimate* and does not represent a *fixed fee*. Neither the Total Estimated Billable Units of 38 nor the Total Estimated Services Fees are intended to limit the bounds of what may be requested or required for performance of the Services.

Table 2 – Services Fees

Unit Type	Unit Rate	Billable Units	Subtotal
Senior Engineer – Per Hour	\$215.00	32	\$6,880.00
Project Manager – Per Hour	\$195.00	6	\$1,170.00
Estimated Totals		38	\$8050.00

The rates presented in Table 2 apply to *scheduled* Services that are performed during Standard Business Hours (meaning 8:00 a.m. to 5:00 p.m. local time, Monday through Friday, excluding holidays). When Seller invoices for scheduled Services that are not performed during Standard Business Hours, Services Fees will be calculated at 150% of the Unit Rates. For any unscheduled (i.e., emergency) Services performed at any time of the day, Services Fees will be calculated at 200% of the Unit Rates.

Any non-Hourly Units will be measured in one (1) unit increments when Services are performed remotely or at any Customer-Designated Location(s) (as defined below).

EXPENSES

When Seller’s personnel are located more than 50 miles from the Customer-Designated location, travel charges will apply. Seller will invoice Customer for the time Seller’s personnel spend traveling to and/or from the Customer-Designated Location(s) (or otherwise, as necessary) at a rate of \$85/hour. Seller will make efforts to schedule appropriate personnel from Seller’s offices located nearest to the Customer-Designated Location(s) in order to minimize such expenses. Seller’s ability to do so may depend on various factors (e.g., specialized project skills needed, personnel availability, and changes to, or challenges inherent in, the Anticipated Schedule).

Seller will invoice Customer for Seller’s reasonable, direct costs incurred in performance of the Services. Direct expenses include, but may not be limited to: airfare, lodging, mileage, meals, shipping, lift rentals, photo copies, tolls and parking. Seller will charge actual costs for these expenses. Any projected expenses set forth in this SOW are estimates only.

Upon execution of this SOW, travel will be scheduled to occur no less than two (2) weeks after the date of Customer’s request for travel. Should Customer request that travel be expedited, Customer will be billed for any additional travel and expense costs that apply.

CUSTOMER-DESIGNATED LOCATIONS

Seller will provide Services benefiting the locations specified on the attached Exhibit A (“**Customer-Designated Locations**”).

PROJECT-SPECIFIC TERMS

1. Customer is responsible for providing all physical and communications access, privileges, environmental conditions, properly functioning hardware and software, qualified personnel, project details, material information, decisions/directions, and personnel and stakeholder interviews that are reasonably necessary to assist and accommodate Seller's performance of the Services ("Customer Components").
2. Seller is not responsible for delays in performance directly caused by the unavailability of the Customer Components and will have the right, with prior written notice and after a reasonable opportunity for Customer to correct the failure, to reassign Seller personnel to work unrelated to this SOW and the services hereunder or to invoice Customer for time Seller personnel are thereby idled if reassignment is not feasible.
3. Both parties will treat all employee personally identifiable information as confidential per the Agreement.
4. Customer will provide in advance and in writing, and Seller will follow, all applicable Customer safety and security rules and procedures.
5. Customer is responsible for security at all Customer-Designated Locations; Seller is not responsible for lost or stolen equipment.
6. This SOW can be terminated by either party without cause upon at least fourteen (14) days' advance written notice.

SOW TERMS AND CONDITIONS

CONTACT PERSON(S)

Each Party will appoint a person to act as that Party's point of contact ("**Contact Person**") as the time for performance nears and will communicate that person's name and information to the other Party's Contact Person.

The Customer Contact Person is authorized to approve materials and Services provided by Seller, and Seller may rely on the decisions and approvals made by the Customer Contact Person (except that Seller understands that Customer may require a different person to sign any Change Orders amending this SOW). The Customer Contact Person will manage all communications with Seller, and when Services are performed at a Customer-Designated Location, the Customer Contact Person will be present or available. The Parties' Contact Persons shall be authorized to approve changes in personnel and associated rates for Services under this SOW.

PAYMENT TERMS

Customer will pay invoices containing amounts authorized by this SOW within thirty (30) days of Customer's receipt of the invoice. Any objections to an invoice must be communicated to the Seller Contact Person within fifteen (15) days after receipt of the invoice.

EXPIRATION AND TERMINATION

This SOW expires and will be of no force or effect unless it is signed by Customer and Seller within thirty (30) days from the SOW Created Date, except as otherwise agreed by Seller.

CHANGE ORDERS

This SOW may be modified or amended only in a writing signed by both Customer and Seller, generally in the form provided by Seller ("**Change Order**").

In the event of a conflict between the terms and conditions set forth in a fully executed Change Order and those set forth in this SOW or a prior fully executed Change Order, the terms and conditions of the most recent fully executed Change Order shall prevail.

MISCELLANEOUS

This SOW shall be governed by Seller's "Terms and Conditions of Product Sales and Service Projects", accessed via the "Terms & Conditions" link at www.cdwg.com (the "**Agreement**"). If there is a conflict between this SOW and the Agreement, then the Agreement will control, except as expressly amended in this SOW by specific reference to the Agreement. References in the Agreement to a SOW or a Work Order apply to this SOW. This SOW and any Change Order may be signed in separate counterparts, each of which shall be deemed an original and all of which together will be deemed to be one original. Electronic signatures on this SOW or on any Change Order (or copies of signatures sent via electronic means) are the equivalent of handwritten signatures. This SOW is the proprietary and confidential information of Seller.

SIGNATURES

In acknowledgement that the parties below have read and understood this Statement of Work and agree to be bound by it, each party has caused this Statement of Work to be signed and transferred by its respective authorized representative.

CDW Government, LLC.

Lake County Forest Preserves (IL)

By: _____
signature

By: _____
Signature

Name: _____

Name: _____

Date: _____

Date: _____

Mailing Address:

230 N. Milwaukee Avenue, Vernon Hills, IL. 60061

Mailing Address:

Street: _____

City/ST/ZIP: _____

- A purchase order for payment hereunder is attached.
- A purchase order is not required for payment hereunder.
- The following PSM has given approval:
Gene Howell

Billing Contact:

Street: _____

City/ST/ZIP: _____

EXHIBIT A.

CUSTOMER-DESIGNATED LOCATIONS

Seller will provide Services benefiting the following locations (“**Customer-Designated Locations**”).

Table 3 – Customer-Designated Locations

Location(s)	Service(s)		
Lake County Forest Preserve 1899 W. Winchester Road Libertyville, IL 60048	<input type="checkbox"/> Assessment <input checked="" type="checkbox"/> Configuration <input type="checkbox"/> Design <input checked="" type="checkbox"/> Implementation	<input checked="" type="checkbox"/> Knowledge Transfer <input checked="" type="checkbox"/> Project Management <input type="checkbox"/> Reconfiguration <input type="checkbox"/> Reinstallation	<input type="checkbox"/> Staff Augmentation <input type="checkbox"/> Support <input type="checkbox"/> Training <input type="checkbox"/> Custom Work