

# Agenda Report

---

August 4, 2014 City Council Meeting

August 4, 2014

Item No. 12

## **ISSUE: Approving contract with Alliance Technologies for server upgrades and installation**

### **BACKGROUND:**

As you may recall last year the council authorized the issuance of bonds for new dump trucks and an ambulance. Part of this project included \$40,000 for new servers and hardware along with installation.

The City needs to replace three of the existing servers because they have reached the end of their useful life. Each of the servers was purchased in 2008 with a warranty services ending in 2011. The City took steps to secure each server's operation through 2013 by extending their warranties. Each device runs in a "mission critical" state for various functions of the City to include the main authentication of all users, email services, document storage, application databases and extended campus video surveillance. The server replacement project will enable hardware and software reliance and security.

Staff requests funds previously allocated in FY 14 to be used in the current fiscal year for the completion of this project. We are requesting \$14,629.07 to be used for the purchase of three servers and a backup solution. Each server has been identified to meet the current and projected needs of the City and is below state contract pricing. We are further requesting \$20,000 to be used for professional services including: project design, build out, programming and implementation.

### **RECOMMENDATION:**

Staff recommends approval of the resolution authorizing the City Administrator to sign the contract with Alliance Technologies in an amount not to exceed \$34,629.07 for the installation of new servers.

### **STAFF CONTACTS:**

Jeffrey A. Fiegenschuh, City Administrator  
Derek Meyer/Police Lieutenant/IT

THE CITY OF WINDSOR HEIGHTS, IOWA

RESOLUTION NO. 14-0840

A RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO ENTER INTO A  
CONTRACT WITH ALLIANCES TECHNOLOGIES FOR \$34,629.07 FOR SERVER  
UPGRADES AND INSTALLATION

WHEREAS, the City's current software servers are in need of replacement due to their age and inability to support current software versions and needed functionality; and

WHEREAS, the City has received a bid from Alliances Technologies in the amount of \$34,629.07; which amount represents \$14,629.907 for the servers and \$20,000 for installation; and

WHEREAS, the bid amount coheres with the state bid rate; and

WHEREAS, the City Council finds and determines that entering into such agreement is in the best interests of the City of Windsor Heights

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Windsor Heights, Iowa:

1. The City Administrator and/or the Mayor are hereby authorized to negotiate and execute a contract or contracts with Alliances Technologies in the amount of \$34,629.07 to carry out the necessary work to acquire, implement and configure a server and related services.

PASSED AND APPROVED THIS 4TH DAY OF AUGUST 2014.

\_\_\_\_\_  
Steven Peterson, Mayor Pro Tem

Attest:

\_\_\_\_\_  
Jeff Fiegenschuh, City Administrator/Clerk

**Prepared for City of Windsor Heights  
Server Solutions**

Quote #011521

Version 1

Brought to you by the INS family of companies



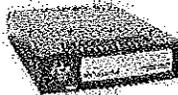
**Prepared For**

City of Windsor Heights  
 Derek Meyer  
 1133 66th St  
 Windsor Heights, IA 50324  
 dmeyer@windsorheights.org  
 5156456813

**Prepared By**

Ben Killion  
 Phone: 515-245-7622  
 Email: KillionB@alliancetechnologies.net

Hardware - DC/Exchange Servers		Price	Qty	Extended
	Dell PowerEdge R520 Server <ul style="list-style-type: none"> <li>• ProSupport: Next Business Day Onsite Service After Problem Diagnosis, 3 Year</li> <li>• ProSupport: 7x24 HW / SW Tech Support and Assistance, 3 Year</li> <li>• Dell Hardware Limited Warranty Plus On Site Service Extended Year</li> <li>• iDRAC7 Enterprise</li> <li>• PERC H710 Adapter RAID Controller, 512MB NV Cache, Full Height</li> <li>• Intel Xeon E5-2420 v2 2.20GHz, 15M Cache, 7.2GT/s QPI, Turbo, 6C, 80W, Max Mem 1600MHz</li> <li>• 16GB RDIMM, 1600MT/s, Low Volt, Dual Rank, x4 Data Width - Quantity 2</li> <li>• 300GB 10K RPM SAS 6Gbps 2.5in Hot-plug Hard Drive - Quantity 2</li> <li>• 1TB 7.2K RPM Near-Line SAS 6Gbps 3.5in Hot-plug Hard Drive - Quantity 4</li> <li>• DVD-ROM, SATA, Internal</li> <li>• Dual, Hot-plug, Redundant Power Supply (1+1), 495W</li> <li>• Power Cord, NEMA 5-15P to C13, 15 amp, wall plug, 10 feet / 3 meter - Quantity 2</li> </ul>	\$4,466.21	2	\$8,932.42
<b>Hardware - DC/Exchange Servers Subtotal</b>				<b>\$8,932.42</b>

Hardware/Software - Backup Solution		Price	Qty	Extended
	Tandberg Data RDX QuikStor Drive Dock - External - Black - USB 3.0 8667-RDX	\$150.00	1	\$150.00
	Tandberg Data QuikStor 1 TB RDX Technology External Hard Drive Cartridge - USB 3.0 - Black 8698-RDX	\$250.00	4	\$1,000.00
	Backup Assist - per physical server	\$200.00	3	\$600.00
	Backup Assist - Hyper-V Granular Restore - per host	\$200.00	2	\$400.00
	Backup Assist - Exchange Granular Restore Add-on	\$150.00	1	\$150.00
	Backup Assist - SQL Add-on	\$100.00	1	\$100.00
<b>Hardware/Software - Backup Solution Subtotal</b>				<b>\$2,400.00</b>



Hardware - Member Server		Price	Qty	Extended
Dell PowerEdge R420 Server <ul style="list-style-type: none"> <li>• ProSupport: Next Business Day Onsite Service After Problem Diagnosis, 3 Year</li> <li>• ProSupport: 7x24 HW / SW Tech Support and Assistance, 3 Year</li> <li>• Dell Hardware Limited Warranty Plus On Site Service Extended Year</li> <li>• iDRAC7 Enterprise</li> <li>• PERC H310 Adapter RAID Controller, Full Height</li> <li>• Intel Xeon E5-2407 v2 2.40GHz, 10M Cache, 6.4GT/s QPI, Turbo, 4C, 80W, Max Mem 1333MHz</li> <li>• 16GB RDIMM, 1600MT/s, Low Volt, Dual Rank, x4 Data Width</li> <li>• 1TB 7.2K RPM Near-Line SAS 6Gbps 3.5in Hot-plug Hard Drive - Quantity 2</li> <li>• 250GB 7.2K RPM SATA, 3Gpbs, 2.5in Hot Plug Hard Drive - Quantity 2</li> <li>• DVD-ROM, SATA, Internal</li> <li>• Single, Hot-plug Power Supply (1+0), 495W</li> <li>• Power Cord, NEMA 5-15P to C13, 15 amp, wall plug, 10 feet / 3 meter</li> </ul>		\$3,296.65	1	\$3,296.65
<b>Hardware - Member Server Subtotal</b>				<b>\$3,296.65</b>

Recap	Amount
Hardware - DC/Exchange Servers	\$8,932.42
Hardware/Software - Backup Solution	\$2,400.00
Hardware - Member Server	\$3,296.65
<b>Total</b>	<b>\$14,629.07</b>

Proposals are valid for 30 days. These prices may NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. We reserve the right to cancel orders arising from pricing or other errors. Supply subject to availability. Alliance Technologies accepts checks as a standard form of payment and the option for a customer to pay via credit card as an alternate method is subject to a convenience fee. Labor quotes are just estimates and are not guaranteed unless stated otherwise. Orders over \$15,000 may be subject to a 50% down payment. A restocking fee up to 20% may apply to all unopened product returns. Opened returns will need authorization from Alliance Technologies before they will be processed. For rush overnight order requests, please notify our sales team by 1:00PM CT in order to better guarantee on-time delivery.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



## STATEMENT OF WORK#140528CITYOFWINHIGHTS-S-NEWSRVR-1

This Statement of Work (the "SOW"), dated June 10, 2014 is subject to the Master Service Agreement ("Agreement") between City of Windsor Heights ("Client") and Alliance Technologies, Inc. ("Alliance") dated \_\_\_\_\_, all services are subject to the Terms and Conditions stated in the Agreement.

### 1. SCOPE OF SERVICES:

#### 1.1 Project Summary:

Client has requested the services of Alliance to replace aging servers with new servers on new hardware and software.

#### 1.2 Alliance Essential Duties and Responsibilities:

- Install and configure two (2) servers at main office
  - Basic physical server installation and preparation
    - Unpack/physically install/cable new server
    - Upgrade firmware of BIOS, Storage and Network adapters as necessary to recommended levels
    - Configure RAID volumes and hardware as required
    - Configure DRAC management interface
  - Install the latest Windows Server version on physical server
    - Install Hyper-V role and management tools
    - Install all available Microsoft patches for Windows
    - These will be two standalone Hyper-V Machines without Shared storage or Clustering.
  - Create one (1) Virtual Machine template for new servers based on the latest Windows Server
    - Configuration of Windows Server based on Microsoft best practices
- Create one (1) new domain controller
  - Create one (1) new server from VM template
    - Verify server licensing
    - Patch server OS as necessary
  - Promote the new server as a new domain controller
  - Install and configure the following server roles:
    - DNS, DHCP, WINS
    - Migrate existing Active Directory roles from old server
  - Installation of the following software:
    - Backup software agent as needed
- Create one (1) new file and print server
  - Create one (1) new server from VM template
    - Verify server licensing
    - Patch server OS as necessary
  - Installation of the following server roles:
    - File server
    - Print server

- Migrate Data
  - Migrate up to one (1) TB of existing file data and network shares from the old server to the new server
    - Confirm NTFS and Share permissions are correct
- Configuration of the newly installed print server role
  - Installation of applicable drivers on the server for 32-bit and/or 64-bit endpoints, which may be limited by vendor availability
- Adjust group policy objects to configure existing workstations for connectivity to the following network resources on the new server:
  - Mapped drives
  - Printers
- Backup software agent as needed
- Create one (1) new Exchange Server
  - Create one (1) new server from VM template
    - Verify server licensing
    - Patch server OS as necessary
  - Installation of the following:
    - Microsoft Exchange 2013 all roles
  - Migrate User mailboxes from old Exchange 2007 server
  - Backup software agent as needed
- Create one (1) new SQL Server
  - Create one (1) new server from VM template
    - Verify server licensing
    - Patch server OS as necessary
  - Installation of the following:
    - Microsoft SQL (version that is compatible with customers current applications)
  - Backup software agent as needed
- Install and configure one (1) servers at remote office
  - Basic physical server installation and preparation
    - Unpack/physically install/cable new server
    - Upgrade firmware of BIOS, Storage and Network adapters as necessary to recommended levels
    - Configure RAID volumes and hardware as required
    - Configure DRAC management interface
  - Install the latest Windows Server version on physical server
    - Install Hyper-V role and management tools
    - Install all available Microsoft patches for Windows
    - These will be two standalone Hyper-V Machines without Shared storage or Clustering.
  - Create one (1) Virtual Machine template for new servers based on the latest Windows Server
    - Configuration of Windows Server based on Microsoft best practices
- Install and configure backups using Backup Assist on Servers at main location
- Project Management

### 1.3 Out of Scope:

- Installation/configuration/troubleshooting of 3rd party applications will be done on a T&M basis unless otherwise indicated
- Anything not identified in Section 1.2 of this scope of work will be considered out of scope

### 1.4 Client Essential Duties and Responsibilities:

- Provide and maintain full backups of existing servers throughout the duration of the project

- Physical access to facilities
- Sufficient power, rack space, cooling and network connectivity for new devices

Client Initials: \_\_\_\_\_

**2. ENGAGEMENT TIME:**

**Anticipated Project Duration:** One (1) and a half (1/2) weeks  
**Commencement Date:** The first available date, not less than two (2) weeks from date of SOW signature. Final Project Commencement Date will be determined mutually between Alliance and Client.

**3. COMPENSATION/RATE:**

Flat Rate of \$23,400 - Discount of \$3,400  
**Total Flat Rate of \$20,000** (Travel and expenses are not included in this rate)  
 Out-of-Scope work (referenced in Section 1.3) conducted will be invoiced to Client at a rate of **\$135/hour**.  
 Travel time will be invoiced to Client at a rate of **\$135/hour** for the travel time from the main office of Alliance; located 420 Watson Powell Jr. Way, Suite 100, Des Moines, Iowa 50309 TO the office of Client ONLY (includes mileage from the main office of Alliance in Des Moines, Iowa to Client's project location). Related travel lodging and meal expenses will be billed to Client at their incurred cost.

**4. PAYMENT TERMS: Net Thirty (30) Days**

**5. FEDERAL TAX ID: 39-1895727**

**6. DETAILS OF SERVICE:**

The services described above shall be performed between the hours of 7:00AM and 5:00PM CT, Monday-Friday, at the office of Alliance, located at 420 Watson Powell Jr. Way, Suite 100, Des Moines, Iowa 50309 and at the office of Client, located at 1133 66<sup>th</sup> Street, Windsor Heights, Iowa 50324.

**7. CONTACT PERSONS:**

CITY OF WINDSOR HEIGHTS	ALLIANCE TECHNOLOGIES, INC.
NAME: Derek Meyer	NAME: Ben Killion
TITLE:	TITLE: Sales Executive
PHONE: (515) 645-6813	PHONE: (515) 245-7622
EMAIL: dmeyer@windsorheights.org	EMAIL: killionb@alliancetechnologies.net
FAX: (515) 279-3664	FAX: (515) 245-7730

**8. AUTHORIZED SIGNATURES:**

By: \_\_\_\_\_  
*(Sign above)*

By: \_\_\_\_\_  
*(Sign above)*

Its: \_\_\_\_\_  
*(Print name & title of person signing on behalf of Client)*

Its: \_\_\_\_\_  
*(Print name & title of person signing on behalf of Alliance)*

Date: \_\_\_\_\_

Date: \_\_\_\_\_

The terms and conditions described are valid for sixty (60) days from the date listed in paragraph one of this SOW.

