

**City of Palmer
Action Memorandum No. 15-072**

Subject: Authorize the City Manager to Negotiate and Execute an Amendment to the Tekmate IT Contract for the Purchase of Computer Hardware

Agenda of: July 28, 2015

Council Action: Authorized

Originator Information:

Originator: Gina Davis
Date: 7/7/2015 **Requested agenda date:** 7/28/2015

Department Information:

Route to:	Department Director:	Signature:	Date:
<u> </u>	Community Development	<u> </u>	<u> </u>
<u> </u>	Finance	<u> </u>	<u> </u>
<u> X </u>	Public Safety	<u><i>[Signature]</i></u>	<u>7-7-15</u>
<u> </u>	Public Works	<u> </u>	<u> </u>

Approved for presentation by:

	Signature:	Remarks:
City Manager	<u><i>[Signature]</i></u>	<u> </u>
City Attorney	<u><i>[Signature]</i></u>	<u> </u>
City Clerk	<u><i>[Signature]</i></u>	<u> </u>

Certification of Funds:

Total amount of funds listed in this legislation: \$ 84,675.50

This legislation (√):

Has no fiscal impact Creates a positive impact in the amount of: \$
 Negative impact in the amount of: \$ 84,675.50

Funds are (√):

<input type="checkbox"/> Budgeted	Line item(s):	
<input checked="" type="checkbox"/> Not budgeted	Affected line item(s):	
	50-01-10-6053 (PD)	\$ 42,337.75
	01-01-10-6095 (City Hall)	\$ 42,337.75

General fund unassigned balance (after requested budget modification): \$ 2,637,836

Enterprise unrestricted net position (after requested budget modification): \$

Director of Finance Signature: *[Signature]*

Attachments:

- Tekmate Quote
- City Server Diagram Current and Future

Summary Statement: The City needs to upgrade its Information Technology system for more data storage, more redundancy, performance gain and for future disaster recovery. The City of Palmer relies on “servers” for the storage of city data and operating systems. Currently the City has 11 servers in City Hall that includes Public Works, Library, Community Development & Fire Department, Finance, City Clerk, and Administration. The Police Department has 6 servers to house Police Data and operating systems. The Police Servers are larger than City Hall servers due to the amount of data needed to be collected and stored by the Police Department.

Besides data storage space the City needs to look at disaster recovery for all that data in storage for both City Hall and the Police Department. Currently if a disaster within the City of Palmer would affect either the Police Department or City Hall it would be difficult for the city to be functional. Finance would not immediately have access to financial data or be able to write a check. Currently Finance pays \$3,000 annually for City Hall data to be backed up nightly to an offsite location on the west coast through Barracuda Cloud Storage. This will help Finance recover data from the last day backed up; however we would need an available server to pull up the finance software system in order to access the data. Currently Police data is backed up in house to a Unitrends server, so if a disaster occurred damaging the police station data would be unobtainable and most likely lost. The Police department is very protective of their data and is unsure of the security of outside cloud storage. They would prefer to have their data stored in an internal cloud.

What the City needs is its own cloud storage through a multifaceted device that has ample storage and is back up recoverable. This one device is a Nimble Storage Array. The idea is to purchase the device for the Police Department using Fund 50 (equitable sharing revenue from Drug Forfeitures) and to purchase a second Nimble Storage Array for City Hall from the General Fund undesignated fund balance. The City would have ample storage for City data and the operating systems as well as devices in place for disaster recovery. The two Nimbles could back each other up, so if one failed the other would be able to recover the data of the failed Nimble. If a disaster occurred at either location the data would be obtainable in a matter of minutes with no server required to run the operating systems. The cost for two Nimble Storage Arrays is \$84,675.50. The Nimble Storage Array is a device that can be added to if more storage space is needed in the future. The Nimble also has an InfoSight Portal so every 7 minutes it checks the status of the Nimble Storage array to ensure that it is performing correctly. If any issue occurs alarms are sent out to Nimble representatives and also to the City IT. The purchase of a Nimble Storage Array would reduce the number of “servers” the City would need and in the long run the City would save money. The City would go from 17 servers to 2 storage arrays and 4 smaller servers. This would reduce the electrical cost to run all those servers. The storage array for City Hall would have ample data space into the future. The storage array for the Police Department could possibly need additional storage in future years depending on the increase of police records.

Today	# of Servers	Cost Per Server	Total Cost	Life Cycle
City Hall	11	\$6,000 - \$8,000	\$66,000 - \$88,000	5 Years
Police	6	\$8,000 - \$10,000	\$48,000 - \$60,000	5 Years
Future	# of Devices	Cost Per Device	Total Cost	Life Cycle
City Hall	1 Nimble	\$ 42,337.75	\$54,338	8 - 10 Years
City Hall	2 Servers	\$ 6,000.00		5 Years
Police	1 Nimble	\$ 42,337.75	\$54,338	8 - 10 Years
Police	2 Servers	\$ 6,000.00		5 Years

The City could then utilize Tekmate's offsite backup facilities in Anchorage and Hillsboro, Oregon (for an additional cost yet to be determined) to further secure City data and operating systems. Tekmate's offsite backup facilities are housed with multiple large capacity Nimble Storage Arrays. If City Hall and the Police department were damaged in an earthquake, the City would be able to gain access to the operating systems and the data in a matter of minutes through Hillsboro, Oregon using another City building's network and a laptop.

Sole Source Justification: Tekmate has been providing IT Technical Support to the City since August of 2008 when an onsite fulltime IT technician was included as a necessity for IT Technical Support Services for the City. Tekmate has a full understanding of the City's IT challenges and needs and has been working with the City's IT Steering Committee since July of 2014 to help roadmap the City's IT future. This is Tekmate's recommendation to meet the future needs of the City.

General Fund Unassigned Fund Balance: The General Fund unassigned fund balance at year end 2014 was \$2,685,174. Using \$42,337.75 of the unassigned fund balance for the purchase of one Nimble Storage Array would reduce the unassigned fund balance to \$2,637,836. This brings the unassigned fund balance to 23.2% of total budgeted general fund expenditures. This is above the 16.6% best practices recommendation by the Government Finance Officers Association for unassigned fund balance.

Administration recommendation: Authorize action memorandum 15-072.

TekMate, LLC.

Phone: 907-561-6283

Fax: 907-375-1188

600 Telephone Ave. MS 70

Anchorage, AK 99503

**Quote**No.: **15316**Date: **05/26/2015**

Prepared for:
 Scott Work (907) 863-8050
 City of Palmer
 231 W Evergreen Ave
 Palmer, AK 99645 USA

Prepared by: Bruce A. Witt
 Account No.: 823
 Phone: (907) 745-3271
 Fax: (907) 745-0930
 Job: Project

Qty.	Description	UOM	Sell	Total
2	CS215, 2X1 GIGE,DUAL 1GBE (QTY. 2 PAIR) , 12 X 1TB HDD, 4 X 80GB SSDS	EA	\$33,653.00	\$67,306.00
2	NBD Parts Del, SW Sup & InfoSight - NextGen Arrays 60 MO	EA	\$7,259.75	\$14,519.50
1	\$200 Flat Fee for Shipping	EA	\$200.00	\$200.00
1	Nimble Installation Fee	EA	\$2,650.00	\$2,650.00
			Your Price:	\$84,675.50
			Total:	\$84,675.50

Prices are firm until 7/26/2015

Terms: Net 30

Quoted by: Bruce A. Witt, bruce.witt@tekmate.net**Date:** 5/26/2015

Scope of Work:

Receive and Configure Nimble unit for the Police department and City Hall. Tier 3 assistance will be needed. Labor shown on quote is for set up only. Additional Tier 3 Assistance would be billable and will be scheduled as needed.

Net 30 with City PO

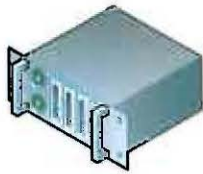
We appreciate the opportunity to service your technology needs .

Accepted by: _____**Date:** _____**Print Name:** _____**Disclaimer**

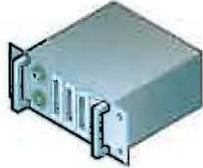
Any order greater than \$2000.00 must be prepaid
 TEKIMATE requires 70% of the hardware and software cost shown above to be paid prior to the equipment order unless approved by the TEKIMATE President or Vice President. This quote does not include shipping or insurance which will be billed at cost. Professional Services outside of normal work hours will be billed/consumed at time and a half.

If Trade-In discounts are offered, Client is required to have all equipment they are trading in returned to the manufacturer at Client's expense. If quantities or items are changed, the pricing may change. This quote represents hardware and software estimates only and is subject to technical review. All hardware and software returns by Client, for any reason, may be subject to a 25% restocking fee and will return products on a best effort basis. Many hardware and software products may not be returned for any reason due to manufacturer return policies. Most products after being opened are no longer returnable to the manufacturer. Defective products are returned according to each manufacturer's warranty policies.

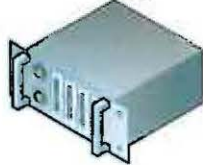
Police Department



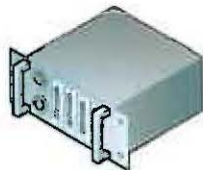
PPD-DC1



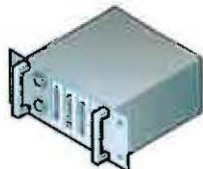
PPD-FP



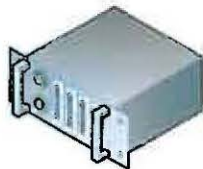
PPD-FP3



PPD-FP4

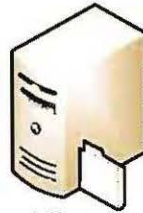


PPDemail1

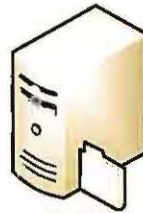


PPD-Utility

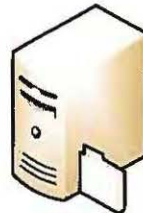
Current Network



Library



PPW

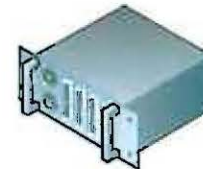


Fire

City Hall



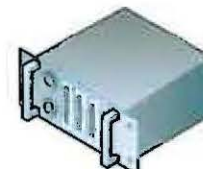
DC2



FP2



EMAIL3



COPTERM2



DC3



INCODE2



COPSQL



COPUtility

Police Department

PPD-DC1
PPD-FP
PPD-FP2
PPD-FP3
PPD-Email1
PPDUtility

City Hall

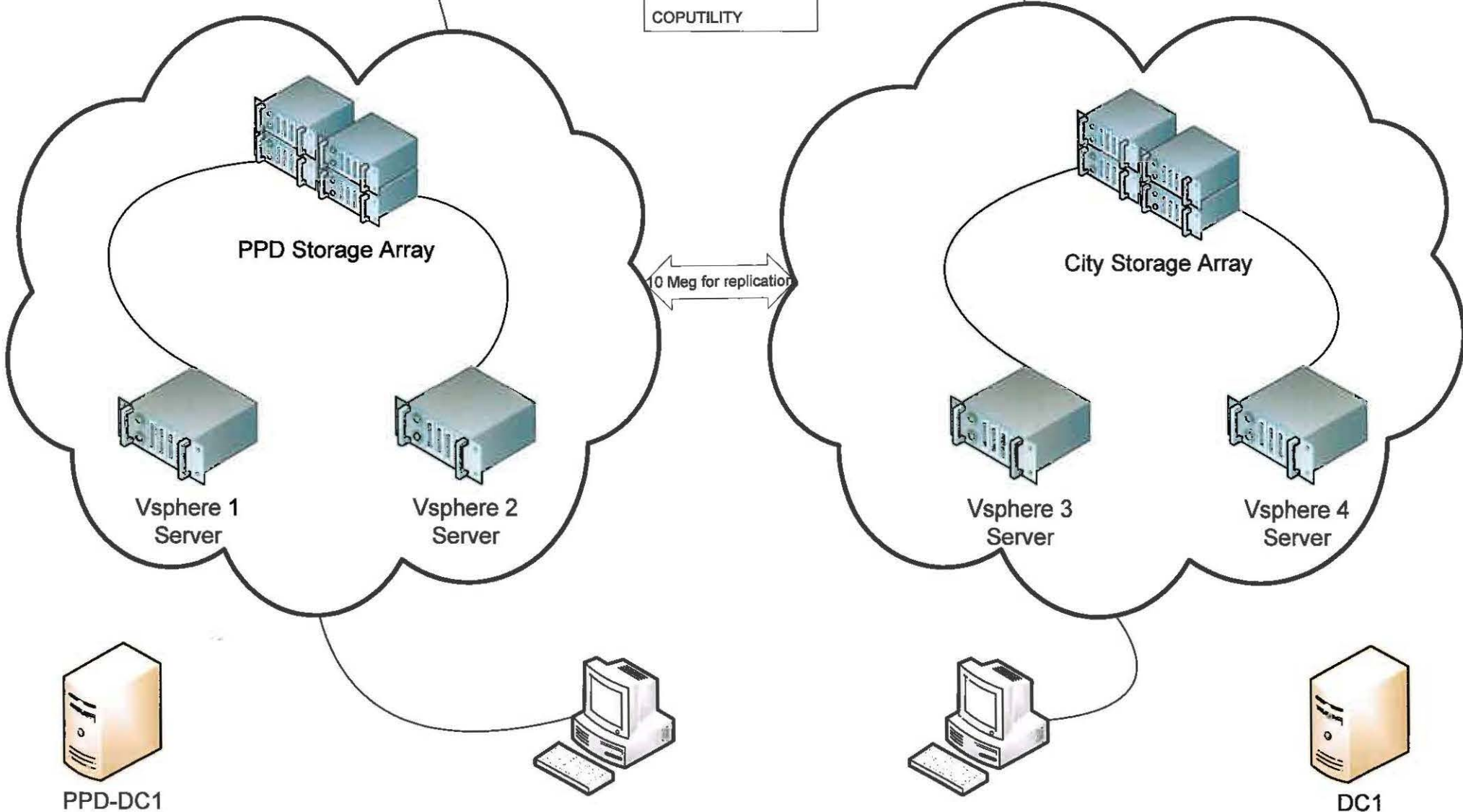
DC2
DC3
FP2
EMAIL3
COPSQL
INCODE2
COPTERM2
COPUTILITY

Library-FP

Fire-FP

PPW-FP2

Remote Hosts



10 Meg for replication

PPD Storage Array

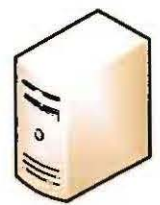
City Storage Array

Vsphere 1 Server

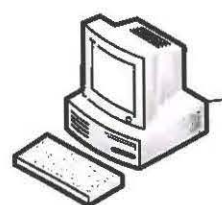
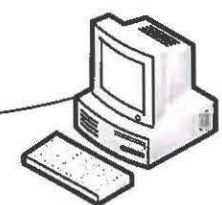
Vsphere 2 Server

Vsphere 3 Server

Vsphere 4 Server



PPD-DC1



DC1