

PSAP Grant Program Grant Ranker

View Application--61--Wireless E-911

Grant Period: 2009

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Mapping servers and workstations (**MAPPING SUPPORT**)

Primary PSAP Applicants: Isle of Wight Sheriff's Office

Jurisdictions Served: Town of Smithfield
Town of Windsor
Isle of Wight

Project Director:

Kari Sletten
Information Technology Director
P.O. Box 80 Isle of Wight, VA 23397
757-365-6214 (phone)
757-365-6335 (fax)
ksletten@isleofwightus.net

Project Description:

With this grant, Isle of Wight County is requesting replacement of our GIS server which no longer meets data storage space requirements and functionality needed to support wireless E-911.

Total Project Cost \$22,000.00

Amount Requested: \$17,600.00

Matching Funds: \$4,400.00

Additional Local Funds: \$0.00

Statement of Need:

This project supports the Grants Committees' current funding priority of replacing technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public. Isle of Wight County's current GIS server is a Dell Poweredge 1750 with (1) 80Gb hard drive in RAID 1 configuration running ArcSDE server with a SQL database. * The space limitations of this server are currently prohibiting us from adequately backing up our GIS data. In addition, this is preventing the County from incorporating new data into the enterprise environment. * The County has received new GIS data from the Virginia Base Mapping Program that we are unable to utilize due to the space limitations of the current server. * Neither size nor redundancy can be significantly upgraded in our current server configuration.

Project Impact:

The data provided by the Virginia Base Mapping Program includes updated aerial photography and contour lines. This data is essential to the PSAP in locating wireless callers in open areas or who are otherwise not close to a recognized address or intersection. Isle of Wight County is primarily rural encompassing a large

number of open and unaddressed areas. In the non-rural areas, there has been significant development since previous data was acquired. The improved server will permit use of the updated data.

Consequence of Not Receiving:

The Isle of Wight County Board of Supervisors (elected officials) have mandated zero budget increases for fiscal year 2008 - 2009. As a result, the County will be unable to fund this project without assistance. Without this project, we will be unable to adequately support the needs of the PSAP.

Part of Long Term or Strategic Plan?: Yes

Likelihood of Completion Unfunded?: 0%

Other Available Funding Sources?: No

Percent of Grant Funding Requested To Total Funding Cost?: 80%

Is Project Locally Sustainable?: Yes

Comprehensive Project Description:

The purpose of this project is to implement a new server with at least 300Gb of hard drive space and to upgrade from a RAID 1 to a RAID 5 configuration. This project will include vendor support to migrate the data from the existing server to the new server. This project will have an implementation timeline of six months and will ensure that the GIS needs of the Dispatch Center will be met for at least the next five years.

What type of interface or compatibility solution will be used between existing equipment and/or software and that which you intend to purchase?:

Isle of Wight County is currently running ArcSDE in an enterprise environment. Since this project only involves replacement of equipment, compatibility issues are expected to be minimal; however, vendor support in converting the data will ensure a smooth transition.

What is the overall relationship of your project to your PSAP or locality's established long-range future plans?:

Implementation of this project will improve the quality of the mapping resources that are available to the PSAP. These resources are integral to the support of the PSAP as it strives to meet the long-range needs of the County's growing population.

How will the equipment purchased will support future technologies for PSAP readiness?:

A robust server will be able to support future enhancements that may be required by the PSAP throughout the implementation of NG-911 as those services become available.

Budget and Budget Narrative:

Estimated cost of server: \$13,000.00 This is an estimate based on hardware that meets recommended specifications for ArcGIS Server Basic. This quotation includes hardware, operating systems software, database software, and three years of hardware support services. Estimated cost of vendor support: \$9,000.00 This is an estimate based on an existing relationship with the consultant responsible for the configuration of our current server. This includes on-site installation and configuration of ArcSDE and SQL Server; migration of existing database; configuration of ArcSDE/SQL Server administration, maintenance, and testing.

Ongoing Expenses:

This is a one time hardware replacement cost. There will be no recurring or ongoing costs associated with this hardware.

Evaluation:

Once existing data has been successfully migrated and new data uploaded to the new server, this project will be considered complete.

What are the short term, intermediate, and/or long-term outcomes desired for this project?:

Our short term desired outcome is to support the GIS needs of the PSAP at its current level. Another immediate outcome of server implementation will be redundancy and adequate data storage. Our

intermediate desired outcome is to provide the PSAP access to updated Virginia Base Mapping Program GIS products. Our long-term desired outcome is to enable our GIS department to support any new technologies required by the PSAP.

What measures will be used to determine outcomes?:

* Successful migration of data * Successful creation of backups * Improved capability to locate wireless callers

How will data be collected and how will evaluations be conducted?:

Since this is a hardware replacement, the evaluation will be conducted by GIS staff and the PSAP manager once the server is functional.

How will data be presented?:

A written summary will be provided to the Virginia Wireless E-911 Services Board.

Attachments

Dell Server.doc
Consultant fees.doc

From: Kari Burge [mailto:kari@swova.com]
Sent: Wednesday, January 09, 2008 11:20 AM
To: Herbert Finch
Cc: Kari Sletten
Subject: RE: New Server for Isle of Wight County

Herb,

A ballpark number for migrating your ArcSDE & SQL Server to a new server is: \$7,750.00.

This includes: on-site installation and configuration of ArcSDE & SQL Server; migration of the ArcSDE database(s); configuration of ArcSDE/SQL Server admin and maintenance & testing.

Please let me know if you need anything else. Good luck with the grant!

Kari

Swova

Kari Burge | kari@swova.com | 618.304.8690
www.swova.com

From: Herbert Finch [mailto:hfinch@isleofwightus.net]
Sent: Tuesday, January 08, 2008 3:26 PM
To: kari@swova.com
Cc: Kari Sletten
Subject: New Server for Isle of Wight County

Kari,

Isle of Wight will be submitting a grant request for a new GIS server. One of the line items for the request will be an estimate for vendor assistance migrating from our old server to the new one. We'll be sticking with our current software setup for the migration (ArcSDE with SQL Server).

We're trying to get a rough estimate for the purposes of the grant proposal; could you provide us with an informal estimate if we were to use SWOVA for the migration?

We don't expect a formal and binding estimate, but if you can give us a number that is in the ballpark, it'll ensure we ask for enough to get the job done right! Thanks.

Herb Finch

GIS Technician
Isle of Wight County
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(757) 365-6278
(757) 365-6335 FAX

Dear kari sletten:

An E-Quote containing computer equipment from Dell Computer Corporation has been saved in your name at the Dell Online Store. The E-Quote will be held for 30 days to allow for completion of the order.

Per your request, this E-Quote has been forwarded to the following recipients:

Your Comments:

A read-only view of this E-Quote is provided below:

E-Quote Information

E-Quote number: 1004192481290

E-Quote name: GIS Server with SQL

Description: PowerEdge 1950

Saved By: kari sletten

Phone Number:

(757) 365-6214

ksletten@isleofwightus.net

Purchasing Agent:

Saved On: Thursday, January 10, 2008

Notes/Comments:

Expires On: Saturday, February 09, 2008

Additional Comments:

Description

PowerEdge 1950 III -New!

Date & Time: January 10,2008 1:20 PM CST

SYSTEM COMPONENTS

PowerEdge 1950 III -New!

Qty 1

Quad Core Intel® Xeon® E5450, 2x6MB Cache, 3.0GHz, 1333MHz FSB, Windows Server® 2003 R2, Standard x64 Edition with SP2,Includes 5 CALs Unit Price \$11,422.00

Catalog Number: 84 W1675_MLK

Module	Description	Product Code	Sku	Id
PowerEdge 1950	Quad Core Intel® Xeon® E5450, 2x6MB Cache, 3.0GHz, 1333MHz FSB	195H30	[223-4542]	1
Operating System	Windows Server® 2003 R2, Standard x64 Edition with SP2,Includes 5 CALs	3R2XSE	[420-7122]	11
Additional Processors	Quad Core Intel® Xeon® E5450, 2x6MB Cache, 3.0GHz, 1333MHz FSB	2PH30	[311-7949]	2
Memorv	16GB 667MHz (4x4GB)	16G4D6D	[311-63261]	3

	Dual Ranked DIMMs				
TCP/IP Offload Engine Enablement	Broadcom TCP/IP Offload Engine Not Enabled	NTOEKEY	[430-1748]	6	
PCI Riser	Riser with 2 PCIe Slots	PCIE	[320-4648]	7	
Primary Hard Drive	146GB 10,000 RPM Serial Attached SCSI 3GBps Hard Drive, 2.5-inch, Hot Plug	146A125	[341-4732]	8	
Primary Controller	PERC6i SAS RAID Controller, 2x4 Connectors, Int, PCIe, 256MB Cache	PERC6I	[341-5781]	9	
Mouse	No Mouse Option	NOMSE	[310-0024]	12	
Network Adapter	Dual Embedded Broadcom® NetXtreme II 5708 Gigabit Ethernet NIC	OBNIC	[430-1762]	13	
Remote Management	Dell Remote Access Card, 5th Generation for PowerEdge Remote Management	DRAC5	[313-3936]	14	
CD/DVD Drive	24X IDE CD-RW/DVD ROM Drive for PowerEdge Servers, All OS	CDRWDVD	[313-3918]	16	
Bezel	Rack Bezel	RBEZEL	[313-3937]	17	
Backplane	1x4 Backplane for 2.5-inch Hard Drives	1X4253	[311-7957]	18	
Operating System Addition	15-pack of Windows® Server 2003 User CALs (Standard or Enterprise)	W2K3U15	[420-5611]	19	
Documentation	Electronic Documentation and OpenManage CD Kit	EDOCS	[310-7962]	21	
2nd Hard Drive	146GB 10,000 RPM Serial Attached SCSI 3GBps Hard Drive, 2.5-inch, Hot Plug	146A125	[341-4732]	23	
Hard Drive Configuration	Integrated SAS/SATA RAID 5, PERC 6/i Integrated	6SR5	[341-5777]	27	
Chassis Configuration	2-Post Rails for Non Dell Rack	2POST	[341-3088]	28	

Hardware Support Services	3Yr GOLD ENTERPRISE SUPPORT: 7x24 HW/SW, Escalation Mgmt, 4hr 7x24 Onsite	GOLD4U	[310-3785][960-7442][960-7862][970-3530][984-1519][984-1528]	29
Installation Support Services	No Installation Assessment	NOINSTL	[900-9997]	32
Power Supply	Redundant Power Supply with Dual Cords	RPS3	[310-9928]	36
MS SQL Server	Microsoft ® SQL Server™ 2005X64 Standard (5 CAL), OEM, NFI	SQ25XS5	[420-5701]	39
MS SQL Server OEM CAL Packs	Microsoft ® SQL Server™ 2005 Standard, 5 Add USR Licenses, OEM, NFI	SQ25SAU	[420-5704]	40
4th Hard Drive	146GB 10,000 RPM Serial Attached SCSI 3GBps Hard Drive, 2.5-inch, Hot Plug	146A125	[341-4732]	51
3rd Hard Drive	146GB 10,000 RPM Serial Attached SCSI 3GBps Hard Drive, 2.5-inch, Hot Plug	146A125	[341-4732]	54
Server Accessories	USB to PS2 Adapter for KVM Connectivity	USBPS2C	[310-6690]	57

TOTAL: \$11,422.00

Sub-total \$11,422.00

Total Price --

Thanks for shopping the Dell Online Store and for using our E-Quote service. We hope you find it useful in making your purchase and will continue to think of Dell.com for all of your computing needs.

Sincerely,
Dell Online Sales