

PSAP Grant Program Grant Ranker

View Application--101--Botetourt County Networking

Grant Period: 2010

Tier: Strengthen current equipment and service delivery capability by upgrading existing wireless E-911 related equipment or services (**STRENGTHEN**)

Grant Program: Enhancement **Grant Type:** Individual PSAP

Priority: Other Enhancement Items (**OTHER**)

Primary PSAP Applicants: Botetourt County GIS-Communications

Jurisdictions Served: Botetourt, County of
Buchanan, Town of
Fincastle, Town of
Troutville, Town of

Project Director:

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Project Description:

Total Project Cost \$42,400.00

Amount Requested: \$42,400.00

Statement of Need:

Botetourt County is in need of several upgrades to ensure consistent delivery of 911 services to both residents and visitors to the County. The percentage of wireless calls to our PSAP has risen over the past several years and now constitutes a majority of 911 calls for assistance. One area, which has been identified as needing improvement in recent Emergency Service Strategic planning studies (completed by Botetourt County in 2004 and again in 2008), is the speed in which 911 calls are processed. Having made all policy changes possible, we are striving to update areas in which digital/technical advances can be of significant benefit. One area we have identified where grant assistance would be vitally beneficial is:

- Network /CAD improvements - Dedicated fiber line and servers will improve speed and reliability. Replacement of old desktop CAD PCs and server will leverage the increased network speeds and provide for much more reliable service. From a fiscal aspect, Botetourt County is not immune to the impact of the economic downturn that all state and local agencies are feeling. Budget cuts across the board leave us with few places to turn when attempting to address critical public safety needs such as the effective processing of wireless 911 calls. If grant funding is not awarded, Botetourt County will not undertake network upgrades for dispatch. PC / Server replacement will only occur on an emergency basis.

Comprehensive Project Description:

Botetourt County proposes to make significant upgrades in several areas of PSAP operations for the express

intent of providing faster and more reliable 911 call processing. This project compliments earlier VITA-funded initiatives including mapping maintenance upgrades, 911 telephone premise equipment replacement, 911 recorder replacement (current year) and radio console replacement (also current year). Upon notification of grant approval from the Commonwealth, Botetourt County will follow all applicable state and local procurement policies as we emplace solutions. We anticipate a phased approach in which each step is completed in a logical order. A goal of spring, 2010 would be set for final project completion. All invoices and project updates as required would be submitted in a timely and organized fashion. We anticipate computer and network upgrades to carry us through the next 4 to 5 years. This upgrade will mesh perfectly with our goal / plan to improve dispatch reaction time.

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

The networking and computer equipment will help us support future equipment by providing a more reliable and faster service for more up to date / futuristic equipment.

Budget and Budget Narrative:

Budget Botetourt County has solicited estimates from the following reputable vendors: Professional Network Services \$21,000 Dell Computers \$ 6,000 Dell Servers \$14,700 C.D.W. \$ 450 Cables \$ 250 Total \$42,400 Total Grant Request \$42,400 Budget Narrative Botetourt County proposes the following solution to the aforementioned issue, via thoughtful application of VITA grant funds: 1. Network / Computer improvements – Consists of three parts: a. Installation of a dedicated fiber circuit between our IT Department, where all servers are safely housed and backed up. The current pathway is shared with many other department and users, robbing critical speed. b. Installation of network domain server. Existing server is antiquated. c. CAD PC / server replacement is critical to take advantage of increased network speed and to provide reliability of call processing. Currently, data dips on our CAD server are so slow that dispatchers are often highly delayed in achieving screen population.

Evaluation:

Project success will be measured by: successful procurement, installation, testing and deployment of the aforementioned equipment during the 2010 fiscal year. Given a notice of award prior to or on July 1, 2009, we anticipate the procurement process to be complete within the first quarter of the 2010 fiscal year. Depending on vendor demand and schedule, we expect to have installation, deployment and testing completed by the end of the third quarter. Network and call processing speed will be immediately measurable.

Attachments