

## PSAP Grant Program Grant Ranker

# View Application--13--Smyth County

**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**Tier:** Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)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:** Smyth County 9-1-1

**Jurisdictions Served:**  
Town of Chilhowie  
Town of Marion  
Town of Saltville  
Smyth

### Project Director:

Shannon Williams  
911 Coordinator  
121 Bagley Circle; Ste 110  
276-783-3298 (phone)  
276-783-9314 (fax)  
smyth911@smythcounty.org

### Project Description:

Smyth County originally purchased their equipment with previous wireless 911 funding (2002/2003) to support the implementation of Wireless E-911 mapping. Now, because of the age of the equipment we have been experiencing a gradual decline in performance. To also emphasize the need for replacement, Smyth County's 911 is being relocated to a different complex and will be needing equipment outfitted in this facility. Smyth County request a complete replacement of what was previous purchased through the Wireless E-911 Services Board.

**Total Project Cost** \$146,239.00

**Amount Requested:** \$116,991.00

**Matching Funds:** \$29,248.00

**Additional Local Funds:** \$0.00

### Statement of Need:

Smyth County is located in the southwestern portion of Virginia, close to the Tennessee and North Carolina boarder along the Interstate 81 corridor which is a major south/north commerce route. It consists of 33,081 residents spread over 452 rural square miles. Our PSAP is currently located in our Courthouse building. With upcoming mandated renovation to the Courthouse, the PSAP is being forced to relocate several miles away. Most of our workstations, servers, networking equipment and mapping software were originally purchased in (2002/2003) with the assistance of the Wireless E-911 Services Board. Because of the age of the equipment and impending relocation, Smyth County is asking for assistance in replacing our equipment. The financial ability to absorb this project on its own is quite the formidable task. The calculated poverty rate of Smyth County is higher than that of the statewide average. Twenty percent of the households have annual income less then \$15,000. The total project cost is over \$100,000 dollars, a difficult challenge for a

small rural region whose economic impact index is significantly below the statewide average. Through funding of this application, Smyth County will be able to sustain continuity of Wireless 911 calls by replacing old and problematic equipment.

### **Project Impact:**

This will allow Smyth County to modernize its antiquated equipment and provide system stability. More importantly it will allow for more optimal performance within the PSAP while answering 911 calls for services. This will eliminate the possibility of equipment failure during an individual call for assistance which we currently experience today. With the anticipated move to a new facility, installation of new equipment to coincide with the project timeline will further eliminate any possibility of unnecessary downtime or disruption of services. The transition to the new facility involves having the new equipment installed and operational prior to vacating the old facility.

### **Consequence of Not Receiving:**

Because the county is being faced with a \$17 million dollar Courthouse renovation, a \$3 million dollar radio system enhancement and decreased revenue from the telecommunication tax reform, increased taxes may be the only means of meeting the funding levels for this project without grant assistance. It would be extremely difficult, if not impossible to fund this project locally without assistance from the Wireless Board.

**Part of Long Term or Strategic Plan?:** Yes

**Likelihood of Completion Unfunded?:** 30%

**Other Available Funding Sources?:** No

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

**Is Project Locally Sustainable?:** Yes

### **Comprehensive Project Description:**

Smyth County originally purchased their equipment with previous wireless 911 funding (2002/2003) to support the implementation of Wireless E-911 mapping. Smyth County's 911 is scheduled to be relocated to a different complex in the fall of 2008 and will require equipment to be outfitted in this facility prior to cutover so that there is no loss of services. Newer equipment will greatly improve the stability of the system over aged equipment which has exhibited signs of being problematic. With assistance of the PSAP Grant Program, Smyth County will be able to purchase the necessary components to replace previously described outdated equipment. This will include workstations, monitors, networking equipment, servers and an update to the mapping software.

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

It is anticipated that the current configurations that allows for interfacing and compatibility will remain the same. However should changes be necessary, they will be made accordingly.

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

As previously noted, this project is directly related to the anticipated equipment replacement schedule for this department.

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

components of this project that are being requested will support PSAP readiness in regard to future technologies.

### **Budget and Budget Narrative:**

Dell Precision 690 Workstations Qty: 10 \$42,500 ELO 19" Touch Screen Monitors Qty: 18 \$13,950 Cisco 3560 24 port hub 10/100/1000 switches with 4SFP ports Qty: 2 \$ 8,000 Cisco single mode 1000 base LX/LH SFP (fiber module) to connect fiber to switches Qty: 1 \$900 Cisco 1000 base LX/LH GBIC connect fiber to offsite facility Qty: 3 \$2,400 Cisco SFP to SFP stacking patch cable (Interconnect 2 switches at dispatch) Qty: 1 \$250 CAT 6 cabling with drops Qty: 24 \$6,000 Lefthand NSM 160 SAN/IQ 2tb SATA data storage for primary and secondary site. Qty: 2 \$34,479 Lefthand storage module installation Qty: 1 \$ 2,850 PowerEdge 2950 Servers For Primary & Secondary sites Qty: 2 \$14,000 Fiber connection between Primary& Secondary

Site Qty: 1 \$6,000 Mapping Upgrade Qty: 1 \$14,910 Project Cost per Itemized list: \$146,239 Requested Amount (80%) \$116,991 Matching Local Funds (20%) \$29,248

### **Ongoing Expenses:**

Sustainability of project components have been anticipated and are considered part of ongoing and budgeted equipment maintenance for the 911 Department.

### **Evaluation:**

Because the project consists of components that are necessary for day-to-day operations of the PSAP, the evaluation of the success of the purchase and installation of described equipment/software will be based on the timeliness of the vendor(s) to provide and install the equipment and to resolve any issues that might arise during implementation. Further evaluation will take place during the daily use of the overall system. Any deficiencies will be identified and dealt with accordingly. It is anticipated that manufacturer warranties and vendor requirements will serve to resolve any anticipated issues.

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

As previously noted, it is anticipated that all outcomes of the project will be favorable. It will replace antiquated equipment and assure continuity and a continued level of high quality service to the community.

### **What measures will be used to determine outcomes?:**

Due to the nature of the operations of Smyth County 911, daily operations of the PSAP will serve as the measurement instrument to assure that all equipment is functional.

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

Collection of data will not serve as a measurement tool for evaluation of this project. As noted, the implantation and day-to-day operation with use of the requested equipment will serve as the successful evaluation of the project.

### **How will data be presented?:**

As noted above, actual data will not be collected. Daily use will serve as a measurement tool.

### **Attachments**