

## PSAP Grant Program Grant Ranker

# View Application--91--Patrick County Mapping/GIS

**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:** GIS: low priority (refer to GIS-related Grant Request Prioritization Matrix for a description of GIS projects that would have a low funding priority) (**GIS LOW PRIORITY**)

**Primary PSAP Applicants:** Patrick County

**Jurisdictions Served:** Patrick, County of

### **Project Director:**

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### **Project Description:**

**Total Project Cost** \$125,000.00

**Amount Requested:** \$125,000.00

### **Statement of Need:**

Patrick County is requesting grant funding to improve GIS related services that will assist 911 dispatchers accurately locate wireless callers. Patrick County currently maintains parcel data on paper maps. This puts our county and the 911 system at a disadvantage for locating people in emergency situations. Patrick County has tried to fund this project in the past, but due to tight budget constraints experienced in southwest Virginia with budget cuts, we have been unable to fund this project. Without funding, Patrick County will continue to process parcel data by using antiquated paper maps.

### **Comprehensive Project Description:**

Our project goal is to upgrade existing mapping hardware and software with a reliable up-to-date system and to integrate emergency 911 calls with parcel data for mapping and identification for locating citizens in need of emergency services. Patrick County is one of the most rural counties in the Commonwealth of Virginia with approximately 40 people per square mile. We have vast tracks of land that are not identified by 911 addresses but strictly by name of the landowner. The integration of a parcel data layer into a computerized mapping system would aid in identifying and locating citizens in need of emergency services. Currently, we utilize paper maps only for parcel data. This requires manually searching paper maps for vital information in identifying landowner information. This information is not readily available for the dispatchers

and could potentially delay locating a person in distress. This mapping project will improve response and offer its citizens and visitors the same level of service and assistance that other localities provide while moving us forward to Next Generation 911 technology. Patrick County is currently involved in a Next Generation 911 pilot project for the Commonwealth of Virginia. It is our goal to provide the tools necessary for law enforcement, EMS, and fire personnel to render aid in an emergency situation in the most timely and effective manner. The development of this mapping data will greatly improve response for locating wireless callers within our jurisdiction. We are requesting funding for a plotter which is necessary for printing map data for use in the 911 center for backup in cases of computer failure and for planning purposes as related to lost persons, forest fires and various emergency situations.

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

By including parcel data into a GIS and 911 mapping, 911 services will be enhanced. It will provide a system that not only moves us forward in technology but will provide vital information to aid in locating a wireless caller.

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

Patrick County has researched or requested budgetary pricing for this project. Estimated costs are: Total cost for parcel data, software for new splits, and plotter: \$125,000 Parcel data costs is for the conversion of data from paper maps to digitized maps which is necessary for integration into a computerized mapping system. Software of new splits is necessary for maintaining map data Plotter is necessary for printing map data for use in the 911 center for backup in cases of computer failure, for planning purposes as related to lost persons, forest fires and various emergency situations.

#### **Evaluation:**

This project will create valuable links and data for proper call processing and location identification. It will aid in locating wireless callers in emergency situations. The project will be maintained and evaluated with a collaborative effort between all emergency response agencies and county GIS departments.

#### **Attachments**