FY18

PSAP GRANT PROGRAM APPLICATION

VIRGINIA INFORMATION

TECHNOLOGIES AGENCY

Integrated Services Division

FY18 PSAP GRANT PROGRAM APPLICATION

HOW TO APPLY/DEADLINE

The grant application is available and accessible from VITA ISP's website (http://www.vita.virginia.gov/isp/default.aspx?id=8578).   Upon completion of the application, it is to be submitted to the electronic mailbox for grant applications - psapgrants@vita.virginia.gov. Any supporting documentation must also be submitted along with the application when making your grant application submission.

After the close of the grant application cycle, a Grant ID and email receipt notification will be sent to the e-mail address listed on the application received.

All funding requests must be submitted using the grant application. Technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY18 PSAP Grant Application Cycle starts July 1, 2016 and concludes on September 30, 2016 at 5:00 pm.

ALL APPLICABLE SECTIONS MUST BE COMPLETED IN ITS ENTIRETY OR THE APPLICATION WILL BE CONSIDERED INCOMPLETE AND NOT ACCEPTED FOR CONSIDERATION.

FY18 PSAP GRANT APPLICATION

PROJECT TITLE

Verification/Update of Geospatial Data for NG-911 Preparation

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Amelia County VA

CONTACT TITLE: Director, Emergency Management

CONTACT FIRST NAME: Kent

CONTACT LAST NAME: Emerson

ADDRESS 1: 16410 Dunn St

ADDRESS 2: P.O. Box A

CITY: Amelia

ZIP CODE: 23002

CONTACT EMAIL: kent.emerson@ameliacova.com

CONTACT PHONE NUMBER: 804.561.3914

CONTACT MOBILE NUMBER: 804.677.7481

CONTACT FAX NUMBER: 804.561.6039

REGIONAL COORDINATOR: Sam Keys

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Amelia Co PSAP

GRANT TYPE

☒ Individual PSAP   ☐ Shared Services

TIER

☐ Out of Service ☐ Non-Vendor Supported*

☐ Technically Outdated* ☒ Strengthen

☐ Not Applicable

If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.

VERSION: # YEARS of HARDWARE/SOFTWARE:

PRIORITY/PROJECT FOCUS NG 9-1-1 GIS

FINANCIAL DATA

Amount Requested: $ 62,744
Total Project Cost: $ 62,744

PROJECT DESCRIPTION

Provide a detailed description of the project for which funding is being sought, including the impact on operational services and consequences of not receiving funding; the relationship to local strategic and capital improvement plans; and sustainability:

The County of Amelia is continuing its effort to better support the citizens and potentially other localities in the Commonwealth. Amelia is taking an important step in preparing its geospatial data for the coming NG-911 transition.

In the last two fiscal years, the County has been leading an effort to create data that was previously missing in its datasets and build tools to aid in address verification. This grant request builds on that verification effort, by building a tool that steps citizens through verification over the internet. This will further ensure the accuracy of the addressing dataset for NG-911 at little cost for the County.

The bulk of the grant funds requested are to perform analysis and corrections to the County's addressing and centerline data following NENA standards, as well as the Commonwealth's, and aiding the County in maintaining the data once it's in the proper format.

The County is also one of several that is moving to ID Networks after its purchase of another vendor. Due to those financial burdens, the County is unable to pay for data corrections as well.

PROJECT GOAL

Describe how this project addresses locally identified need(s) and supports the Virginia 9-1-1 Comprehensive Plan:

This project supports the Virginia Statewide Comprehensive Plan. Amelia is striving to meet Goal A from Section 2.2 – which is to provide a level of emergency response service to the public, which is further described as providing consistent emergency response services to anyone residing in or passing through the Commonwealth.

PROJECT OBJECTIVES

Describe the objectives that will support the goals identified above:

The objectives of this project will be completed in Phases:

Phase 1: Collect Data
The first phase of the project will be to collect all of the data we will need to complete the project. This will include sources such as paper maps, data from vendors, data models from ESRI and NENA, and from within many different departments. The data will be organized, verified as reliable, and loaded into a new database schema.
Phase 2: NG-911 Readiness Evaluation
The second phase will focus on evaluating the County's data for accuracy and NG-911 readiness.
Phase 3: Data Correction
In Phase 3, procedures developed and approved to correct the County's data will be completed in batches for the remainder of the County. In this Phase, County parcels will be used match addresses, but parcels themselves will not be altered as a part of this project.
Phase 4: Verification and Maintenance Tools
The focus of the fourth phase will be to create tools necessary to maintain their data over time, as well as soliciting feedback from its citizens. Due to the concern that the County currently has for the placement and accuracy of its address points, a web tool will be developed that will ask users to verify their address, and lead them through the process and automatically send information back to the County for correction if necessary. A digital, dynamic map book will also be created in this Phase. Workflows will be established and documented during this phase.
Phase 5: Quality Control and Assurance
In Phase 5, Quality Control and Assurance Plans for all data and tools will be completed, and changes made as necessary.
Phase 6: Deliverable
In the final phase, the corrected data will be tested in the current E911 environment, and the workflows created will be deployed at the County.

SHARED SERVICES (if applicable)

Describe the relationship of the project to the participating PSAPs: Not Applicable.
Describe the intended collaborative efforts and resource sharing opportunities: Not Applicable.

IMPLEMENTATION PLAN
SHARED SERVICES & INDIVIDUAL PSAP APPLICATIONS:

For each applicable phase of the project, indicate the planned completion date.

PROJECT PHASE	PLANNED COMPLETION DATE
INITIATION – Project concept is documented, local board or governing authority approval or endorsement is received, PSAP grant application is filed, local budgets are obtained, appropriated grant funds are approved, and budgetary estimates are obtained.	09/ 30 / 16
DESIGN/PLANNING - Requirements are documented, components to be purchased are identified, and general design is documented.	07 / 28 / 17
ACQUISITION - RFP (or other bid related processes) are drafted, proposals are evaluated, contract is signed, purchase orders are issued, and quotes are obtained.	07 / 28 / 17
IMPLEMENTATION - Purchased components are delivered and installed and training is performed	06 / 29 / 18
TESTING/COMPLETION - Performance of system/solution is validated and system/solution goes "live"	09 / 28 / 18

BUDGET AND BUDGET NARRATIVE

Phase 1 - Receiving Verfying and Loading Data		**$3,600**
Receiving, Loading and Verifying Data	*$3,600*	
Phase 2 - NG911 Data Evaluation		**$6,240**
NG911 Data Evaluation	*$6,240*	
Phase 3 - Data Manipulation and Correction		**$18,240**
MSAG Correction	*$3,320*	
Address Data Correction	*$3,560*	
Centerline Correction	*$3,560*	
ESZ Polygon Creation and Correction	*$3,560*	
Attribution Standardization	*$2,600*	
Topology	*$1,640*	
Phase 4 - GIS and Verification Tools		**$16,800**
Mapbook Creation and Tools (Including Documentation)	*$8,400*	
Citizen Address Verification Tool	*$4,240*	
Workflow Creation and Development	*$4,160*	
Phase 5 - Quality Control		**$6,320**
Quality Control and Assurance Data	*$3,160*	
Quality Control and Assurance Tools	*$3,160*	
Phase 6 - 911 Dataset Development and Testing		**$5,840**
Coordination of new datset with Vendors	*$1,360*	
Onsite Testing and Deployment of New Dataset	*$4,480*	
Contingency 10%		**$5,704**
	PROJECT TOTAL	*$62,744*

EVALUATION

How will the project as identified in the project description be evaluated and measured for achievement and success:

Overall, this project's success will be measured by the amount of improvement in emergency services resulting from an improved, NG911-ready dataset and tools.

Successful project accomplishment will be based on achieving the following project milestones:

1. Hiring a geospatial consultant to assist in project planning and execution
2. NG911 data evaluation
3. Data Correction
4. Tool Development
5. Final data exported and used successfully in PSAP mapping

CONSOLIDATION (Primary or Secondary) - (complete only if applicable)

How would a consolidation take place and provide improved service:

Not Applicable.

How should it be organized and staffed:

Not Applicable.

What services should it perform:

Not Applicable.

How should policies be made and changed:

Not Applicable.

CONSOLIDATION (Primary or Secondary) - (complete only if applicable) – con't

How should it be funded:

Not Applicable.

What communication changes or improvements should be made in order to better support operations:

Not Applicable.