

FY12

Nottoway CPE Upgrade Project

**PSAP GRANT PROGRAM
APPLICATION**



FY12



FY12 PSAP GRANT PROGRAM APPLICATION

HOW TO APPLY/DEADLINE

The grant application will be available and accessible from VITA's Integrated Services Program's website (<http://www.vita.virginia.gov/isp/>). Upon completion of the application, it is to be submitted to the PSAP Grant Manager, Lisa Nicholson, at lisa.nicholson@vita.virginia.gov. Any supporting documentation must also be submitted along with the application.

After submission, the PSAP Grant Manager will assign a Grant ID and send an e-mail notification to the project contact e-mail address listed on the application received.

All funding requests must be submitted using the grant application. In addition to the grant application reference manual, technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY12 PSAP Grant Application Cycle deadline is December 22, 2010 at 11:59 pm.



FY12 PSAP GRANT APPLICATION

PROJECT TITLE

Nottoway CPE System Upgrade Project

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Nottoway Sheriff’s Office – 911 Communication Center

CONTACT TITLE: County Planner

CONTACT FIRST NAME: Steve

CONTACT LAST NAME: Ferguson

ADDRESS 1: 3951 Military Road

ADDRESS 2:

CITY: Blackstone

ZIP CODE: 23824

CONTACT EMAIL: nottowayplanner@hotmail.com

CONTACT PHONE NUMBER: 434-292-3438

CONTACT MOBILE NUMBER: 434-294-1636

CONTACT FAX NUMBER: 434-292-3437

REGIONAL COORDINATOR: Sam Keys Jr.

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

County of Nottoway

Town of Burkeville

Town of Blackstone

Town of Crewe

GRANT TYPE

Individual PSAP

Regional Initiative

Consolidation

Secondary Consolidation



GRANT PROGRAM TYPE

- Wireless E-911 PSAP Education Program
- Continuity and Consolidation
- Enhancement

TIER

- Out of Service
- Technically Outdated
- Not Applicable
- Non-Vendor Supported
- Strengthen

PROJECT FOCUS [Click to select a project focus from the drop down list](#)

If "Other" selected, please specify: CPE

FINANCIAL DATA

Amount Requested: \$ 37,407

Total Project Cost: \$ 37,407

STATEMENT OF NEED



This statement should reference the relationship to the current funding priorities established by the Grant Committee and include evidence of any financial need. Additional items to discuss that referenced need should include: impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

Identification of Funding Priorities: The Nottoway CPE System Upgrade Project directly relates to the funding priority established by the PSAP Grant Program's Grant Committee for CPE to address **technically outdated** hardware and software located at the primary PSAP in Nottoway County. Our project will upgrade the original RescueSTAR CPE equipment and provide needed software updates that are vital for mission critical equipment. RescueSTAR was installed in 2003 and is now technically outdated and can no longer be adequately maintained by the vendor. Also, the wireless service provider, CenturyLink, can no longer guarantee continued service for the outdated equipment. CenturyLink recently completed a regional network trunking system upgrade and the results of their upgrades have created compatibility issues with the CPE equipment located in the PSAP. The upgrade of technically outdated wireless E-911 equipment will enable the primary PSAP to maintain current and future service levels to the general public. Because of budget shortfalls and the recent local and State budget cuts to the Nottoway Sheriff's Office, Nottoway County is unable to fund the needed upgrades for the PSAP. The County of Nottoway also has not been able to identify other funding sources for our project. Funding requested under the PSAP grant program will fully fund the CPE System Upgrade Project and no other funding will be required. Funding requested for the 3 position RescueSTAR CPE system upgrades, including the first year annual reoccurring equipment maintenance coverage, is **\$37,407**

Describe how the grant will be maintained and supported in the future, if applicable.

Funding from the PSAP grant program will allow the County to make the necessary upgrades to CPE hardware and software that is technically outdated at the PSAP. Local sustainability will be achieved at the Primary PSAP by having hardware and software that will be covered under manufactures' warranty and will have vendor support and maintenance. Once the manufactures' warranties have expired, the County and the Sheriff's Office will ensure that funding is available in the annual budget to maintain the equipment throughout its life-cycle. Also, the system upgrades at the PSAP will allow the PSAP to catch-up with changes and advancements in technology.

The Nottoway CPE System Upgrade Project is a general and much needed upgrade to the CPE hardware and software at the Nottoway Primary PSAP. These upgrades will ensure that the PSAP will be able to accommodate changing technology along with having continuous vendor maintenance support. If the system upgrades are not completed, equipment down-time will continue to increase and this will have an immediate and direct affect on PSAP operational services and their ability to provide life-saving emergency care.



COMPREHENSIVE PROJECT DESCRIPTION

FOR WIRELESS E-911 PSAP EDUCATION PROGRAM GRANT REQUESTS:

Describe how the education/training is 9-1-1/public safety communications specific and how this will benefit E-911 and the employee(s) and/or PSAP.

N/A

FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:

Provide a thorough, concise, and complete description of the project, including an outline of the goals and objectives, implementation strategy, and a work plan.

The goal of the Nottoway CPE System Upgrade Project is to have the most up-to-date technology available for the CPE hardware and software equipment in the primary PSAP for Nottoway County.

The primary objective of the Nottoway CPE System Upgrade Project is to upgrade technically outdated CPE hardware and software equipment located in the primary PSAP in Nottoway County. This equipment is mission critical for the continued operation of the PSAP.

FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:

PROJECT TIMELINE – Select each applicable phase of the project and indicate the estimated completion date. Sample activities for each phase can be found in the PSAP Grant Program Guidelines as well as on the addendum to this form.



PROJECT PHASE	ESTIMATED COMPLETION DATE
<input checked="" type="checkbox"/> INITIATION (Project approved by appropriate stakeholders)	12 / 22 / 10
<input checked="" type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	12 / 22 / 10
<input checked="" type="checkbox"/> ACQUISITION (Selected system or solution is procured)	08 / 31 / 11
<input checked="" type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	12 / 31 / 11
<input checked="" type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	12 / 31 / 11

Identify the longevity or sustainability of the project.

CPE system upgrades are a general and much needed upgrade to ensure continued vendor maintenance support. The outdated hardware and software versions that are currently being used in the PSAP can not be adequately maintained and CenturyLink can not guarantee continued service. The CPE System Upgrade Project will ensure that the PSAP will have the most up-to-date technology available for CPE equipment that will support longevity of our project. Vendor maintenance support will ensure the sustainability of our project.

CPE software and hardware upgrades will support future technologies by allowing the PSAP to not only maintain current levels of wireless 911 services but also allow the PSAP to keep up with rapidly changing technology and the demands placed on these services by the residents of Nottoway County and visitors to our region. The equipment upgrades will make it much easier for new technology to be incorporated into the day to day operation of the PSAP and allow for a smoother transition when changes are needed to allow the PSAP to stay on the cutting edge of technology.



Describe how this project supports the Virginia Statewide E-911 Strategic Comprehensive Plan.

The Nottoway CPE System Upgrade Project mirrors the vision of the Virginia Statewide E-911 Comprehensive Plan to allow 9-1-1 emergency response to operate at an optimal level of service and capability. Our project also follows the Strategic Goals established in the Plan to provide consistent emergency response services to anyone residing in or passing through Nottoway County or the Commonwealth, at any time of day, and during any event and to keep up with the rapid pace of technology, innovation, and the constant changes in customer's expectations.

Nottoway County has worked very hard to develop both comprehensive and strategic plans that follow DHS, Virginia Statewide E-911 Comprehensive Plan, and the Commonwealth's Strategic Plan to address public safety issues. In the Nottoway County Comprehensive Plan (revised 2006) it states that the County will continue to work to provide proper resources for the safety and well-being of the ever-changing needs of its citizens.

The County of Nottoway and the PSAP have also developed a strategic plan to deal with current and future wireless communication needs in the County. One of the primary goals of the Plan was to ensure that system upgrades to the CPE equipment are completed on a regular schedule to ensure that PSAP mission critical equipment is always kept operational and has maintenance support.

REGIONAL INITIATIVE (if applicable)

The relationship of the initiative to the participating PSAPs:

N/A

Intended collaborative efforts:

N/A



Resource sharing:

N/A

How does the initiative impacts the operational or strategic plans of the participating agencies:

N/A

CONSOLIDATION (Primary or Secondary) - (if applicable)

How would a consolidation take place and provide improved service:

N/A



How should it be organized and staffed:

N/A

What services should it perform:

N/A

How should policies be made and changed:

N/A

How should it be funded:

N/A



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

N/A

BUDGET AND BUDGET NARRATIVE

List the planned expenditures to be made with grant funds. (NOTE: In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment.) Briefly explain the reason for each requested budget item and provide the basis for its cost:

Nottoway County has received a detailed vendor prepared quote for our system upgrade project. Pricing includes upgrades to hardware and software, total estimated hours required to complete these upgrades, and the 1st year annual reoccurring equipment coverage (see attachment – equipment price quote, maintenance pricing, and notes)

Upgrade 2-consoles	\$34,746
1-year maintenance	<u>\$2,661</u>
Total	\$37,407

Nottoway County appreciates the opportunity to apply for PSAP grant funding for the Nottoway CPE System Upgrade Project and will not be able to perform the much needed upgrades if funding is not received for our project. We feel that the CPE hardware and software upgrades that are needed are critical for the safety and well being of our citizens. Nottoway County is experiencing a tremendous growth in wireless E-911 emergency calls. The current technically outdated CPE hardware and software can not be adequately maintained by vendors or by the wireless service provider for the PSAP. If the CPE upgrades are not made, the Primary PSAP will not be able to provide life saving support to the first responders and the citizens of Nottoway County.

EVALUATION



How will the project be evaluated and measured for achievement and success:

The Nottoway CPE System Upgrade Project will be evaluated and measured for achievement and success once the CPE upgrades to the hardware and software have been completed. The project management team will ensure that all aspects of the project have been completed in their entirety and on time. Compatibility issues that were present with the outdated equipment will be measured against the new upgraded equipment to ensure that equipment down-time has been eliminated and that compatibility issues have been resolved.



FINANCIAL AND PROGRAMMATIC REPORT

PROJECT PHASES

SAMPLE ACTIVITIES

PHASE

SAMPLE ACTIVITIES

INITIATION

(Project approved by appropriate stakeholders)

- 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
- Budgetary estimates are obtained

DESIGN/PLANNING

(Project, system, or solution requirements are developed)

- Requirements are documented
- Components to be purchased are identified
- General design is documented

ACQUISITION

(Selected system or solution is procured)

- RFP (or other bid related processes) are drafted
- Proposals are evaluated
- Contract is signed
- Purchase orders are issued
- Quotes are obtained/grant funds draw down

IMPLEMENTATION

(Selected system or solution is configured and installed)

- Purchased components are delivered and installed
- Training is performed

TESTING/COMPLETION

(Selected system or solution is tested and put in production)

- Performance of system/solution is validated
- System/solution goes "live"



CenturyLink

Legal Name: -
 Billing Name: E911 Nottoway County Sheriff's Office
 266 West Courthouse Road
 -
 NOTTOWAY, VA 23955-0006

Valid Until September 12, 2010

Quote Number: 10-035502

Description of Work to be Performed: Upgrade RescueSTAR and new computers.

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 Qtt10096

All Products listed on this Quote are governed by the Standard Terms and Conditions for Communications Services and the Equipment Sales Product Annex, both posted to http://about.centurylink.com/legal/rates_conditions.html

Price shown is based upon direct sale accompanied by new Centurion Maintenance contract

Description	Quantity	Unit Price	Extended Price
RescueSTAR Upgrade	-	-	-
R5.8.1 UPGRADE PACK	1	-	-
REL 5.10 UPG V581	1	-	-
REL 5.10 UPG V591	1	-	-
ECS/RSTAR REL 5.11 UPG	1	-	-
-	-	-	-
SEALI	-	-	-
SEALI 2.2.0 UPGRADE KIT	1	-	-
WKST HP Z200	2	2,235.75	4,471.50
MNTR 19IN W/SPKRS BLK NEC	1	398.75	398.75
SWITCH KVM 4-PORT USB	1	206.25	206.25
GENERIC WORKSTATION FEE	2	343.75	687.50
-	-	-	-
SMART	-	-	-
WKST HP Z200	1	2,235.75	2,235.75
GENERIC WORKSTATION FEE	1	343.75	343.75
-	-	-	-
Sentinel	-	-	-
SENT R5.1.1 UPGRADE PACK	2	-	-
SEN REL 5.2 UPG	2	-	-
WKST HP Z200	2	2,235.75	4,471.50
4-CHANNEL, PCI SOUND CARD	2	753.50	1,507.00
CBL DELTA44 NORSTAR	2	24.75	49.50
MNTR 19IN W/SPKRS BLK NEC	2	398.75	797.50
GENERIC WORKSTATION FEE	2	343.75	687.50
CPR/SYSPREP IMAGING	1	-	-
HP 8 Port Switch	1	138.88	138.88
-	-	-	-
Dual IRR Module	-	-	-
IRR MAINT REL NO CHRG	2	-	-
-	-	-	-
Stats MIS	-	-	-
SENTINEL STATS 3.4.4 UPG	1	-	-
WKST HP Z200	1	2,235.75	2,235.75
MNTR 19IN W/SPKRS BLK NEC	1	398.75	398.75
GENERIC WORKSTATION FEE	1	343.75	343.75
-	-	-	-
Workstation Extended Warranty	-	-	-
WARR 5YR Z200 XW43/44/46	6	686.13	4,116.78
-	-	-	-
Town of Blackstone	-	-	-
Sentinel	-	-	-
SENT R5.1.1 UPGRADE PACK	1	-	-

Prices do not include charges for taxes, duties, tariffs, telecommunication services, or professional services such as Centurion Maintenance or Managed Network Services.

SEN REL 5.2 UPG	1	-	-
WKST HP Z200	1	2,235.75	2,235.75
4-CHANNEL, PCI SOUND CARD	1	753.50	753.50
CBL DELTA44 NORSTAR	1	24.75	24.75
MNTR 19IN W/SPKRS BLK NEC	1	398.75	398.75
GENERIC WORKSTATION FEE	1	343.75	343.75
-	-	-	-
Dual IRR Module	-	-	-
IRR MAINT REL NO CHRG	1	-	-
-	-	-	-
Workstation Extended Warranty	-	-	-
WARR 5YR Z200 XW43/44/46	1	686.13	686.13
-	-	-	-
misc. materials; wire, blocks, equipment	1	687.50	687.50
-	-	-	-
-	-	-	-
<p style="text-align: right;"> SUBTOTAL: Gross Material Price \$ 28,220.54 SUBTOTAL: Gross Discount \$ - Net Material Price \$ 28,220.54 Labor (Includes Project Management if not shown separately below) \$ 6,012.14 Project Management \$ - Shipping \$ 513.11 TOTAL PRICE \$ 34,745.79 </p>			

Project Notes

July 14, 2010

-
266 West Courthouse Road

-
NOTTOWAY, VA 23955-0006

Labor Hours:

Upgrade RescueSTAR - 16 hours

Upgrade / replace Sentinel pc's - 2 @ 5 hours = 10 hours

Install / program SEALI - 16 hours

Replace SMART pc - NC

Upgrade / replace STATS pc - 6 hours

Install LAN for network - 8 hours

Upgrade / replace Sentinel at Blackstone - 6 hours

Total Hours: 62

Hours approved by Mark Neffer (BST) by phone 7-14-10

