



9-1-1 Services Board

General Business Meeting

November 8, 2018



Agenda

1. Call to Order
2. Approval of Minutes
3. NG9-1-1 Deployment Update
4. NG9-1-1 Funding Requests
5. FY 2018 True-Ups
6. Federal Grant
7. Old Business
8. New Business
9. Public Comment
10. Adjourn



Virginia Information Technologies Agency

NG9-1-1 Deployment Update





Overview

- Migration Proposal (MPs) have been delivered to all eligible PSAPs
- Outreach to localities is ongoing and MPs to be revised based on new information
- Weekly calls with AT&T
- Continue to measure progress against deployment plan
- New developments and recent influences



Developments/Influences

- Virginia Beach RFP
- Recurring cost increases
- CHE software
- Budget
- Deployment schedule
- Local Choice



Revised Schedule

Selective Routers	Provider	Population	Time Period
Fairfax/Alexandria	Verizon	2,494,184	January 2019 – June 2019
High St Portsmouth/Jefferson	Verizon	1,662,247	July 2019 – December 2019
Stuart/Chester	Verizon	1,660,182	January 2020 – June 2020
Charlottesville/Farmville	CenturyLink	403,369	July 2020 – December 2020
Fredericksburg/Winchester	Verizon	343,031	July 2020 – December 2020
Danville/Lynchburg Church St	Verizon	320,247	July 2020 – December 2020
Staunton/Salem	Verizon	453,065	January 2021 – June 2021
Shenandoah County ECC	Shentel	43,175	January 2021 – June 2021
Covington	Ntelos	21,556	January 2021 – June 2021
New Castle	TDS Telecom	5,158	January 2021 – June 2021
Floyd County	Citizens	15,651	January 2021 – June 2021
Monterey-Highland Telephone	Highland Telephone	2,216	January 2021 – June 2021
Blacksburg/Norton	Verizon	340,101	July 2021 – December 2021
Johnson City/Wytheville	CenturyLink	338,311	July 2021 – December 2021



Board Action

- Motion to approve the revised schedule as presented.



NG9-1-1 Budget

- Based on Fairfax County Contract
- “Worst Case Scenario”

NG9-1-1 Cost per FY	
FY19	\$7,295,005.20
FY20	\$27,867,943.87
FY21	\$11,171,231.74
FY22	\$6,138,711.84
FY23	\$1,142,122.38
Total	\$53,615,015.03



NG9-1-1 Budget

NG9-1-1 Cost by Type	
NG9-1-1 Costs	\$452,000.00
CHE i3	\$2,925,000.00
CHE Replacement	\$10,650,000.00
Text to 9-1-1	\$2,220,000.00
ECaTS Expansion	\$117,000.00
Racks	\$24,000.00
Diversity	\$22,533,751.15
GIS Data	\$160,100.00
Legacy 9-1-1	\$991,320.60
Monthly Delta	\$13,541,843.28
Total	\$53,615,015.03



NG9-1-1 Budget

Description	Amount
Cash Balance – June 30, 2018	\$22,019,999
Prior Year Grants Carried Over	(\$7,065,825)
FY2019 Grants Awarded	(\$3,109,044)
Projected FY19 Grant Revenue (40%)	\$19,549,178
Cash Reserve Policy	(\$4,708,058)
FY19 Available Funding	\$26,686,251
CMRS Cost Recovery	(\$2,919,351)
Compensation Board Funding	(\$8,000,000)
FY19 NG9-1-1 Funding	(\$7,295,005)
FY19 End of Year Balance	\$8,471,895



NG9-1-1 Budget

Description	Amount
FY19 End of Year Balance	\$8,471,895
Projected FY20 Grant Revenue (40%)	\$20,749,664
FY20 Available Funding	\$29,221,559
CMRS Cost Recovery	(\$2,919,351)
Compensation Board Funding	(\$8,000,000)
FY20 NG9-1-1 Funding	(\$27,867,944)
Borrowing Authority	\$11,000,000
FY20 End of Year Balance	\$1,434,264
Projected FY21 Grant Revenue (40%)	\$21,153,618
FY21 Available Funding	\$22,587,882
OSP Cost Recovery	(\$2,919,351)
Compensation Board Funding	(\$8,000,000)
FY21 NG9-1-1 Funding	(\$11,171,232)
FY21 End of Year Balance	\$497,298



NG9-1-1 Budget

Description	Amount
FY21 End of Year Balance	\$497,298
Projected FY22 Grant Revenue (40%)	\$21,660,208
FY22 Available Funding	\$22,157,507
OSP Cost Recovery	(\$2,919,351)
Compensation Board Funding	(\$8,000,000)
FY22 NG9-1-1 Funding	(\$6,138,712)
Repayment of Loan	(\$5,000,000)
FY22 End of Year Balance	\$99,444
Projected FY23 Grant Revenue (40%)	\$22,230,906
FY23 Available Funding	\$22,330,350
OSP Cost Recovery	(\$2,919,351)
Compensation Board Funding	(\$8,000,000)
FY23 NG9-1-1 Funding	(\$1,142,122)
Repayment of Loan	(\$6,000,000)
FY23 End of Year Balance	\$4,268,876



NG9-1-1 Monthly Recurring Cost

- Currently Monthly Recurring Cost
 - \$743,997.88 per month
 - \$8,927,974.56 annualized
- AT&T Monthly Recurring Cost
 - \$1,254,640.28 per month
 - \$15,055,683.36 annualized
- Difference
 - \$510,642.40 monthly
 - \$6,127,708.80 annualized



NG9-1-1 Funding Requests





Proposal Acceptance Letter (PAL)

- Acts as the NG9-1-1 funding request
- Limits the amount requested to estimated costs contained in MP
- Confirms PSAP's acceptance of the MP and signals intent to deploy NG9-1-1
- Identifies PSAP preference for Board payment of eligible NG9-1-1 expenses



Proposal Acceptance Letter (PAL)

- Requires execution of a contract vehicle with an NG9-1-1 solutions provider within 3 months of Board approving the PAL
- Complete all identified NG9-1-1 ready implementation steps 3 months in advance of the scheduled deployment time period



2018 & 2019 PAL Submission Dates

NG9-1-1 Funding Deadlines (2019 except as noted)	
PAL Submission Deadline	2019 Board Meeting Date
Sept 17 th (2018)	Nov 8 th (2018)
Nov 26 th (2018)	Jan 10 th
Jan 28 th	Mar 14 th
Mar 25 th	May 9 th
May 28 th	July 11 th
Jul 29 th	Sept 12 th
Sept 30 th	Nov 14 th



Funding Requests

- 11 localities submitted funding requests
- Total amount requested is \$6,339,880.34
 - Includes non-recurring and recurring costs from MP, but not data analytics costs
- Requests were reviewed by the PGC during their Oct 3rd meeting
 - Recommend funding



Individual Requests

PSAP	Selective Router Region	Amount Recommended by PGC
Alleghany	Covington	\$308,612.80
Brunswick	Stuart Chester	\$831,600.20
Clarke	Fredericksburg/Winchester	\$209,203.49
Emporia	Stuart Chester	\$648,252.47
Farmville	Charlottesville/Farmville	\$369,842.08
Floyd	Floyd County	\$132,614.72
Franklin City	High Street Portsmouth/Jefferson	\$223,679.08
Greensville	Stuart Chester	\$963,069.40
Manassas Park	Fairfax/Alexandria	\$252,128.00
Mathews	Stuart Chester	\$1,972,480.00
Middlesex	Stuart Chester	\$428,398.10
Total		\$6,339,880.34



Board Action

- Approve \$6,339,880.34 in NG9-1-1 funding for the 11 requests, as submitted



FY 2018 True-Ups





Process

- True-up data collection was based on the new wireless 9-1-1 funding formula
 - Formula contains only two data elements - population and total 9-1-1 calls
- Until the next recalculation of the wireless 9-1-1 distribution percentages, 2017 population data from the [Weldon Cooper Center](#) will be used



Process

- As a result, the only call load data ISP staff collected for each PSAP was the total number of 9-1-1 incoming calls
- ISP staff completed PSAP true-ups using ECaTS data
- If a PSAP was missing call load data, ISP staff used ECaTS data to estimate total 9-1-1 calls for that time period



Process

- FY 18 was a re-baselining year for PSAP call load data
- Published data on Sept 7th
- PSAPs had until Oct 12th to report any perceived errors



Managed IP Services Cost Recovery

PSAP	FY 18 Managed IP Total Costs	Wireless Percentage	Reimbursement Due to Locality
Dickenson County	\$10,654.00	50.10730%	\$5,338.43
Franklin County	\$16,044.00	77.49468%	\$12,433.25
Lee County	\$10,486.00	62.82166%	\$6,587.48
Loudoun County	\$26,520.00	77.46809%	\$20,544.54
Norton City	\$9,205.00	55.09843%	\$5,071.81
Patrick County	\$14,882.35	54.06752%	\$8,046.52
Pittsylvania County	\$26,976.00	77.19319%	\$20,823.64
Pulaski County	\$17,472.00	78.36498%	\$13,691.93
Roanoke City	\$26,400.00	82.79371%	\$21,857.54
Shenandoah County	\$14,460.00	74.96439%	\$10,839.85
Staunton City	\$7,700.00	71.26598%	\$5,487.48
Wise County	\$8,512.00	72.08114%	\$6,135.55
Total			\$136,858.00



Board Action

- Accept FY 18 true-up data and approve FY 18 Managed IP services cost recovery requests, totaling \$136,858



Federal Grant





Federal 9-1-1 Grant Rules

- State or tribal organizations can apply
- Two-step application process
- Pre-determined formula for distribution of grant funds
- Eligible uses of funds
- Grant funds available until Sept 30, 2022
- Match rate



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Old Business





CMRS Providers Contract

- Wireless cost recovery has been eliminated, but need to reimburse carriers for approved FY 19 funding requests
 - Sprint, AT&T, US Cellular, East Kentucky Network, and Shentel
- Created a payment continuation form for this purpose
- Eventually, the Board will execute a contract to reimburse OSPs for costs to deliver 9-1-1 calls to the ESInet POI



Board Action (Motion)

- I move that the Board approve the CMRS Funding Contracts (Payment Continuation Agreements) with the following providers:
 - Sprint, AT&T, US Cellular, East Kentucky Network and Shentel

...and further authorize the Board Chair to sign these agreements on behalf of the Board, as well as any additional contracts



Annual Report Requirements

- The state of enhanced 9-1-1 services in the commonwealth,
- the impact of, or need for, legislation affecting enhanced 9-1-1 services in the commonwealth,
- the need for changes in the E-911 funding mechanism provided to the Board, as appropriate, and
- monitor developments in enhanced 9-1-1 service and multi-line telephone systems and the impact of such technologies upon the implementation of Article 8 (§ 56-484.19 et seq.) of Chapter 15 of Title 56.



2019 Legislative Action

- The Board has proposed the following legislation for the 2019 General Assembly session to maintain the required cash flow and implement NG9-1-1 by July 1, 2023:
 - \$30 million in borrowing authority for the Board from the Virginia Treasury



Board Action

- Approve the FY 18 Annual Report, to include the Board's legislative agenda for the 2019 General Assembly session



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New Business





PGC Report

- Reviewed and accepted Annual Progress Reports for open PSAP grants
 - 6 FY17 and 39 FY18 non-PEP grants
- Recommending Travel Assistance rate of \$143 for recent VA APCO/NENA/SIEC conference
 - Confirmed amount with VITA Finance



Board Action

- Accept the PGC report and approve a \$143 Travel Assistance rate for the VA APCO/NENA/SIEC conference



Mathews County Request

- Locality is seeking approval of a \$6,300 reimbursement request for a FY 18 grant
 - Believed they had received an award for a mapping system project
- Clerical error made by ISP staff
 - Provided the locality with an award letter for \$15,950 in funding for their project
- Staff does not recommend approval, but PGC does



RAC Report

- Plans for in-person meeting still ongoing
- Current work group activities:
 - COOP Template
 - Minimum NG9-1-1 Training Standards
 - Additional NG9-1-1 Data



Dispatching Best Practice

- Document has been created to serve as a best practice for 9-1-1 request for service dispatching in the commonwealth
- Overview of how a telecommunicator is to provide dispatch services
 - Focuses on calls, response, and regulations



Board Action

- Accept the 9-1-1 Calls for Service Dispatching Best Practices Document



GIS Data Provisioning Document

- Provides an overview on the provisioning of GIS data to support NG9-1-1
- Intended to provide guidance to local GIS and PSAP authorities on the following:
 - Required GIS datasets for i3 ECRF and LVF
 - Validation processes to synchronize the GIS datasets to the MSAG and ALI datasets
 - Geospatial call routing readiness
 - NG9-1-1 GIS data maintenance workflow procedures



Board Action

- Accept the NG9-1-1 GIS Data Provisioning and Maintenance Document



FY 17 Audit

- No findings



Meeting Locations

- 9-1-1 Services Board meetings will continue to be held at CESC
- All Board Committee meetings will be held at VITA-ISP offices
 - Monroe Building, 16th Floor



And In Conclusion

- Public Comment
- Adjourn
- Next meeting date is January 10,2019