A G E N D A
JAMES CITY COUNTY BOARD OF SUPERVISORS
WORK SESSION
County Government Center Board Room
101 Mounts Bay Road, Williamsburg, VA 23185
September 26, 2017
4:00 PM

A. CALL TO ORDER

B. ROLL CALL

C. BOARD DISCUSSIONS

1. Fire Overview
2. Fire and Police 911 Upgrade
3. DEQ/HRSD
4. Dominion Energy

D. CLOSED SESSION

1. Consideration of a personnel matter, the appointment of individuals to the Regional Air Service Enhancement Committee (RAISE) pursuant to Section 2.2-3711 (A)(1) of the Code of Virginia
2. Consultation with legal counsel employed or retained by the public body regarding specific legal matters requiring the provision of legal advice by such counsel pursuant to Section 2.2-3711 (A)(7) of the Code of Virginia

E. ADJOURNMENT

1. Adjourn until 5 p.m. on October 10, 2017 for the Regular Meeting

AGENDA ITEM NO. C.1.

ITEM SUMMARY

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Ryan Ashe, Fire Chief

SUBJECT: Fire Overview

ATTACHMENTS:

	Description	Type
🗋	Presentation	Presentation

REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Fellows, Teresa	Approved	9/26/2017 - 8:08 AM

Fire Department Update
FY 2018

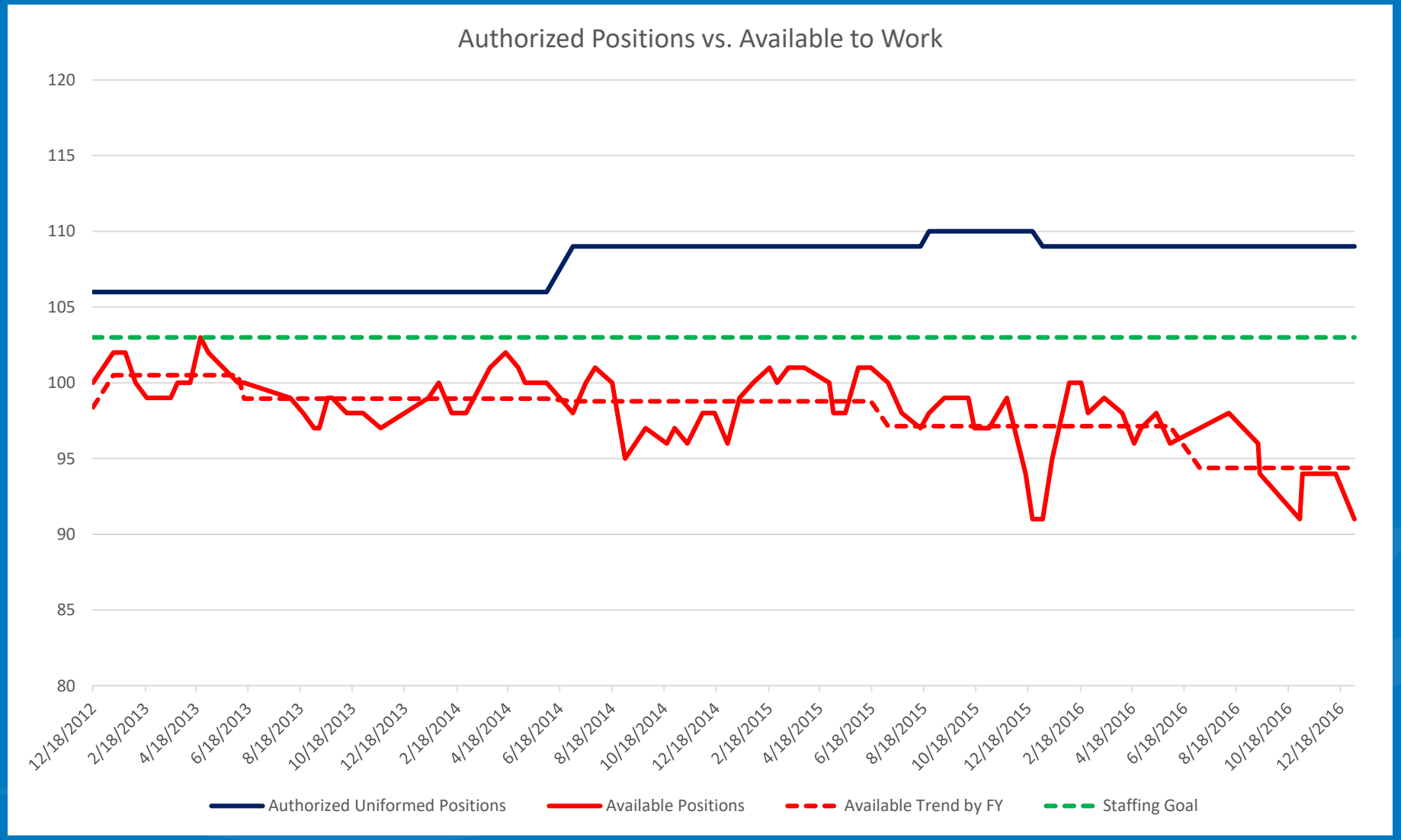
September 26, 2017

Minimum Staffing

Group	On-Duty	Leave	Total
A-Shift	27	4	31
B-Shift	27	4	31
C-Shift	27	4	31
Fire Marshals Office	4	N/A	4
Administration	6	N/A	6
TOTAL			**103**

*Need 103 personnel available to work

Previous Fiscal Years



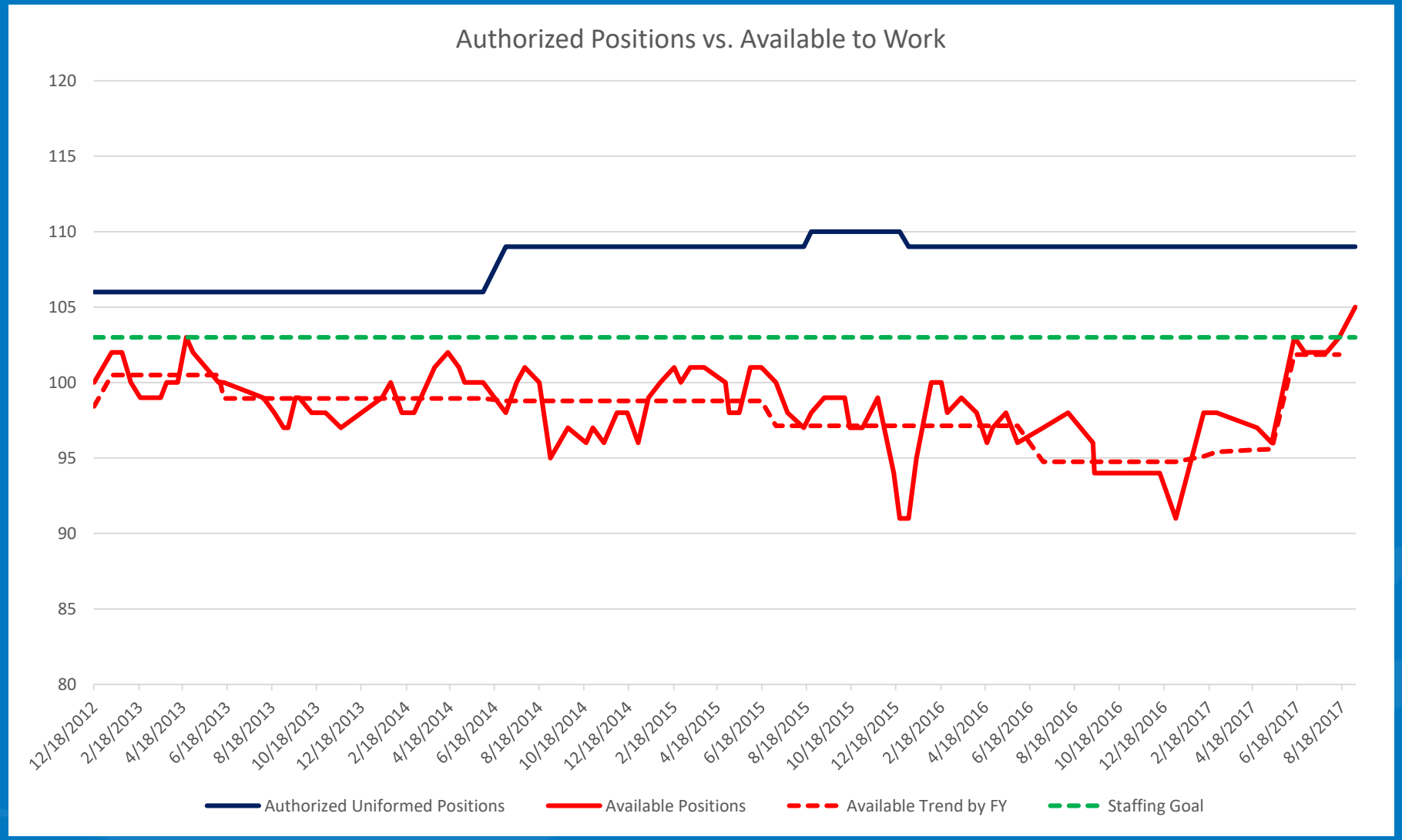
ALS Career Ladder Change

FY 2018 Plan		FY 2018 Adopted
FY 2018 O.T. Plan $ 733,412	- $ 217,837 →	FY 2018 O.T. Adopted $ 515,575
FY 2018 Salary Plan $ 6,351,440	+ $ 183,807 →	FY 2018 Salary Adopted $ 6,535,247

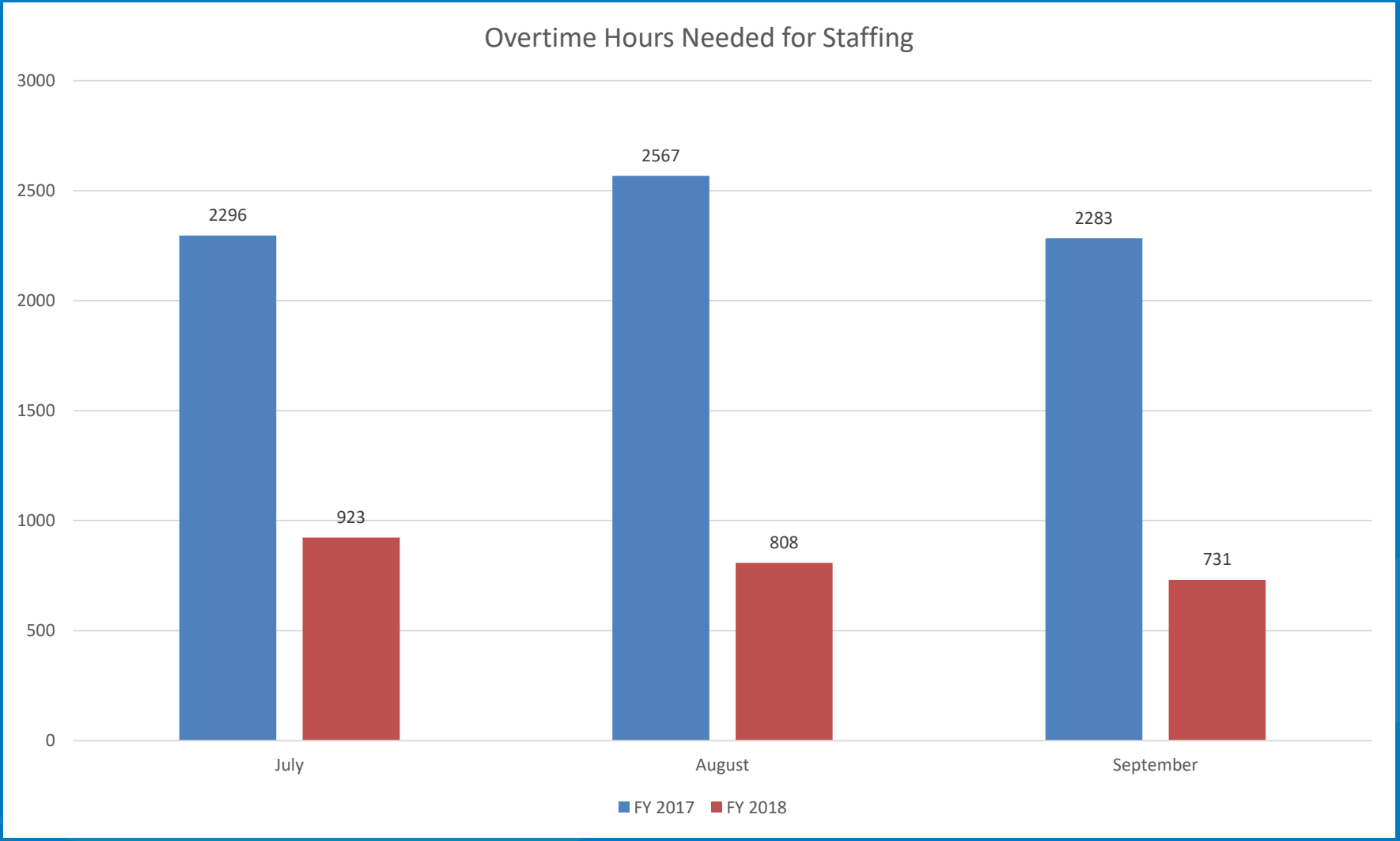
ALS Career Ladder Changes

- EMT-Intermediate
  - $3,000
- Paramedic
  - $6,000
- Positive Impacts
  - Increased retention- less need for O.T.
  - Competitive salary structure
  - Recruitment of pre-qualified applicants
- Decrease in personnel budget from FY 2017 – FY 2018

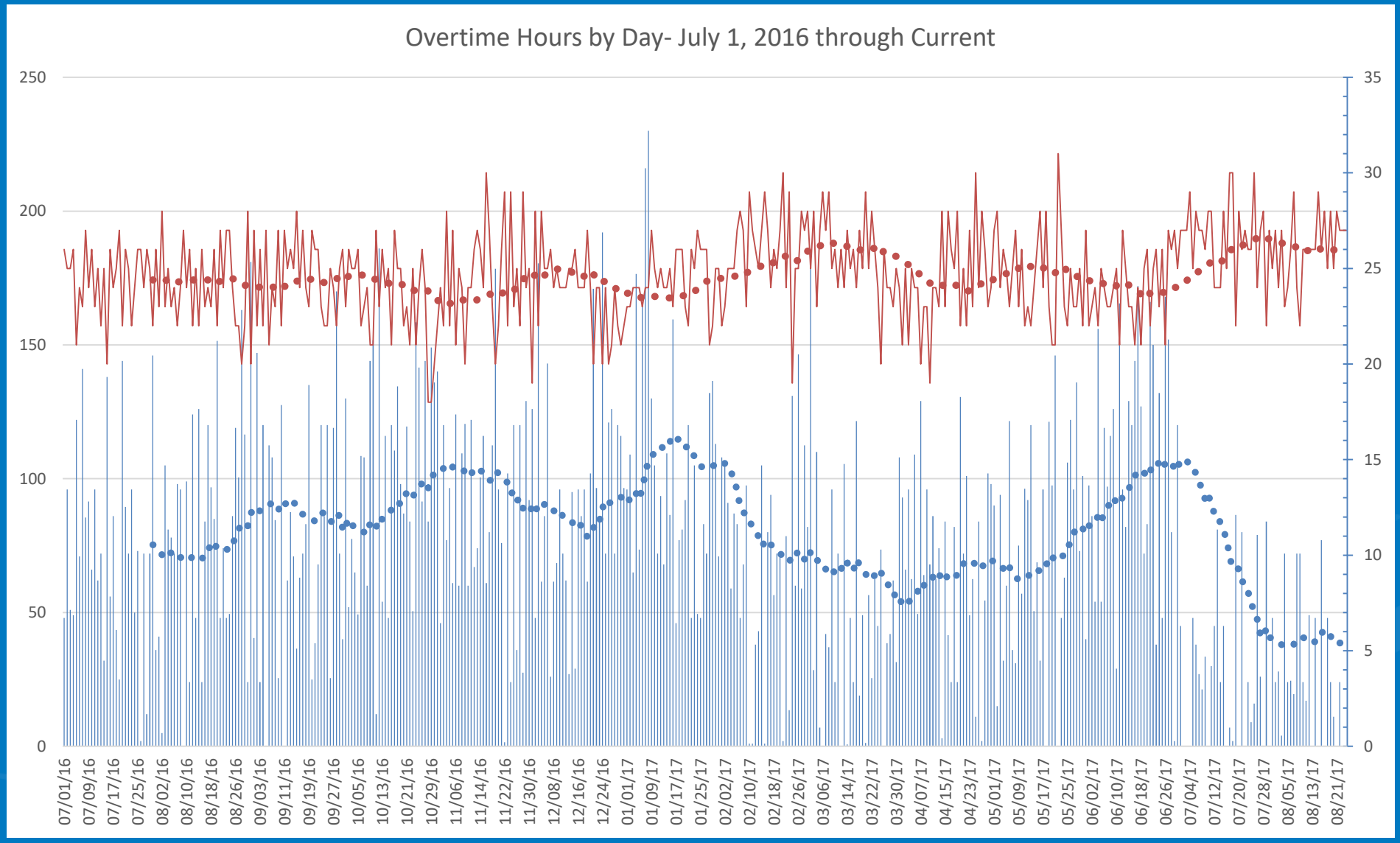
FY 2018 Current Staffing



Overtime Analysis



Per Day Overtime Hours



Questions



Goal 3: Expanding and Diversifying Local Economy



Goal 4: Protected Community Character and an Enhanced Built Environment



Goal 5: Exceptional Public Services



Goal 7: Fiscally Efficient Government

AGENDA ITEM NO. C.2.

ITEM SUMMARY

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Ryan Ashe, Fire Chief and Bradley Rinehimer, Chief of Police

SUBJECT: Fire and Police 911 Upgrade

ATTACHMENTS:

	Description	Type
🗋	Presentation	Presentation

REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Fellows, Teresa	Approved	9/19/2017 - 1:17 PM

Emergency Communications Radio System Update

September 26, 2017

Public Safety

History

- Independent needs assessment – 2000/2001
  - Inadequate radio coverage
  - Lack of interoperability
  - Age and life expectancy of current system
  - Recommended regional system
- James City/York Partnership - 2004
  - Regional governance structure
  - Regional purchasing cooperative

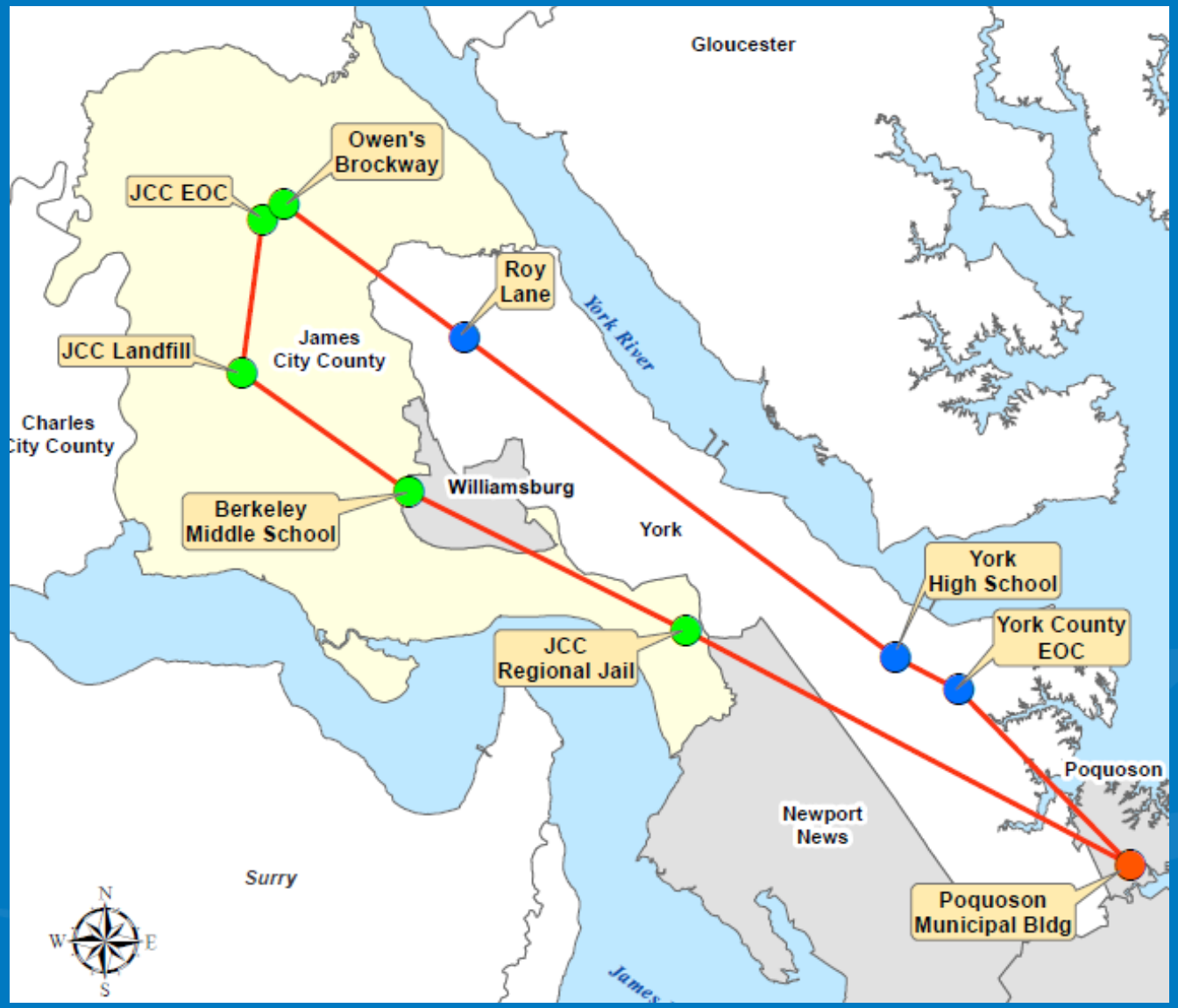

Goal 2: Modern Infrastructure, Facilities, and Technology Systems


Goal 4: Protected Community Character and an Enhanced Built Environment


Goal 5: Exceptional Public Services


Goal 7: Fiscally Efficient Government

James City/ York



9 Towers Sites

Tenants

- City of Williamsburg
  - Police, Fire & Public Works
- City of Poquoson
  - Police, Fire & Schools
- College of William and Mary
  - Public Safety and Student Services
- Colonial Williamsburg Foundation
- Eastern State Hospital
- Kingsmill Security
- United States Coast Guard
- National Parks Service



Goal 4: Protected Community Character and an Enhanced Built Environment



Goal 5: Exceptional Public Services



Goal 7: Fiscally Efficient Government

Gloucester Expansion

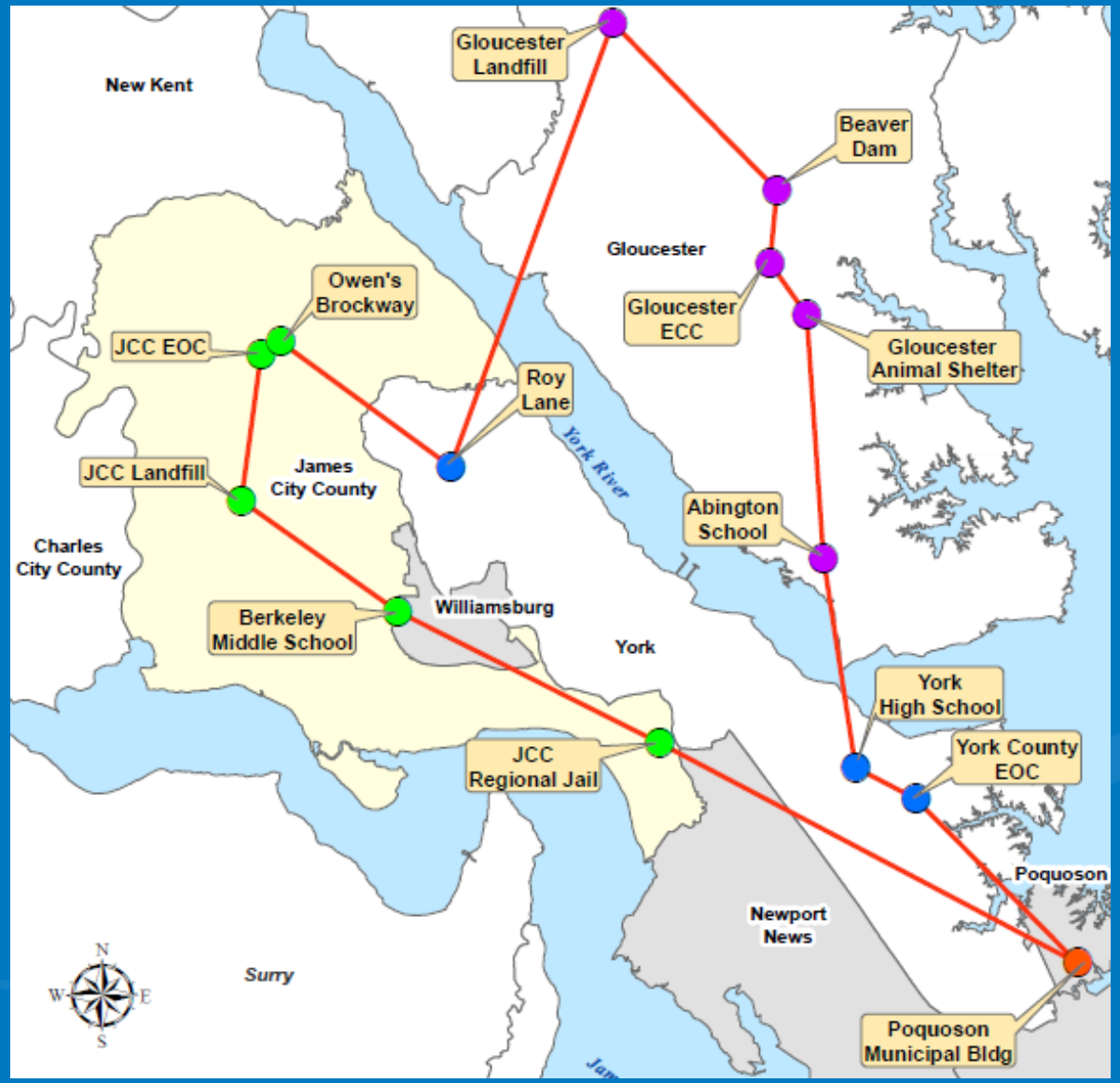
- Gloucester – inadequate radio coverage
  - Lack of regional interoperability
  - Antiquated technology
  - High cost of system replacement
- James City/York needed master site/software upgrade
  - $1.1 M upgrade
- Gloucester joins partnership - 2010
  - Funded upgrade
  - Shares maintenance costs – 20%

Goal 2: Modern Infrastructure, Facilities, and Technology Systems

Goal 5: Exceptional Public Services

Goal 7: Fiscally Efficient Government

James City/ York / Gloucester



14 Tower Sites

Lifecycle Management Plan

- Phase 1
  - Upgrade to 7.16 software platform
  - Replace switch
  - Replace base station radios at tower sites
  - Replace dispatcher consoles
- Lease agreement
  - $1,134,000 – FY 2017
  - $ 949,658 – FY 2018 - 2021



Goal 2: Modern Infrastructure, Facilities, and Technology Systems

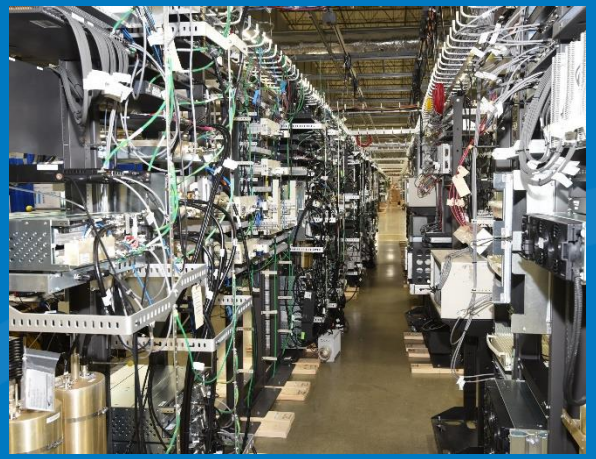
Goal 7: Fiscally Efficient Government

Equipment Staging









Linking our Systems

- Suffolk/ Isle of Wight
  - Suffolk recently upgraded to 7.16 software platform
  - Isle of Wight sharing Suffolk switch
- Linking our systems
  - Dynamic Systems Resilience
  - Geo diverse backup switch



Goal 2: Modern Infrastructure, Facilities, and Technology Systems



Goal 4: Protected Community Character and an Enhanced Built Environment

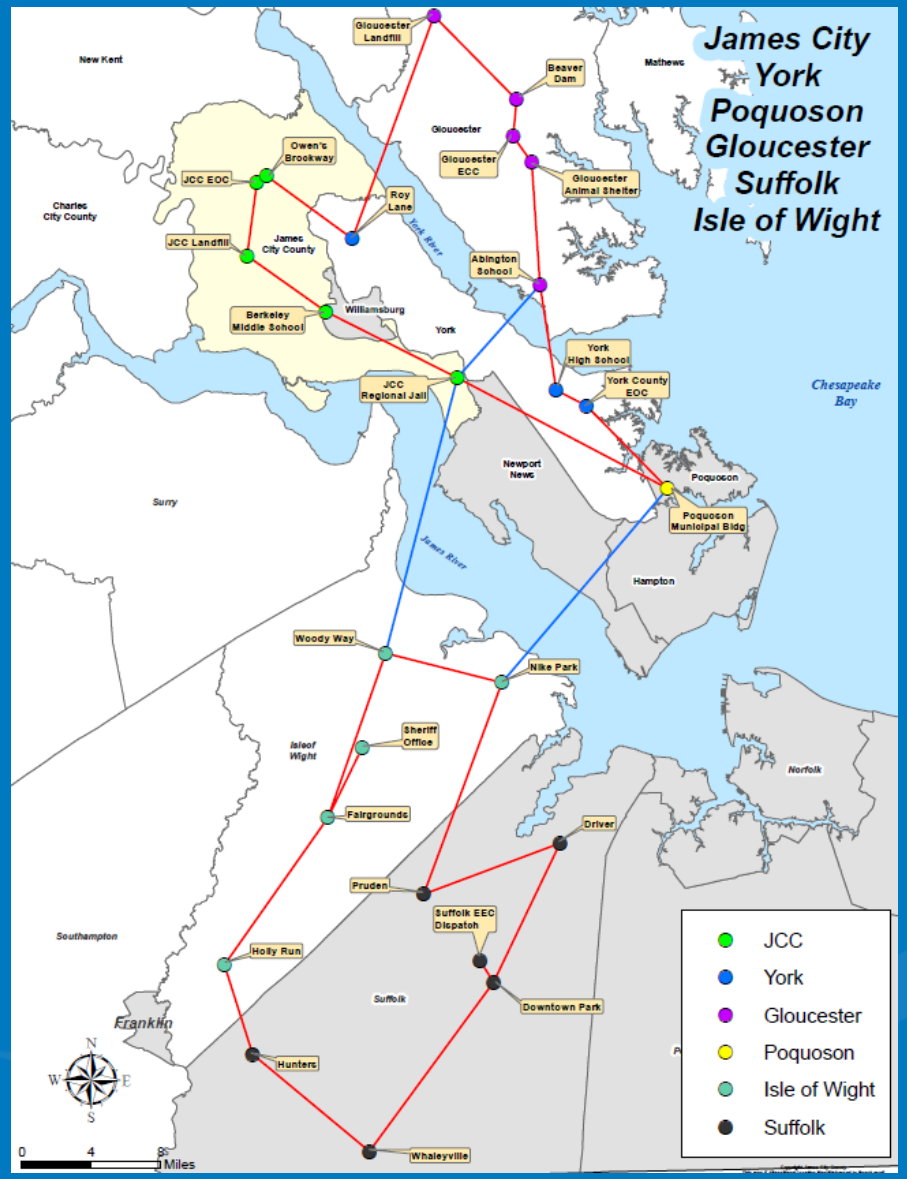


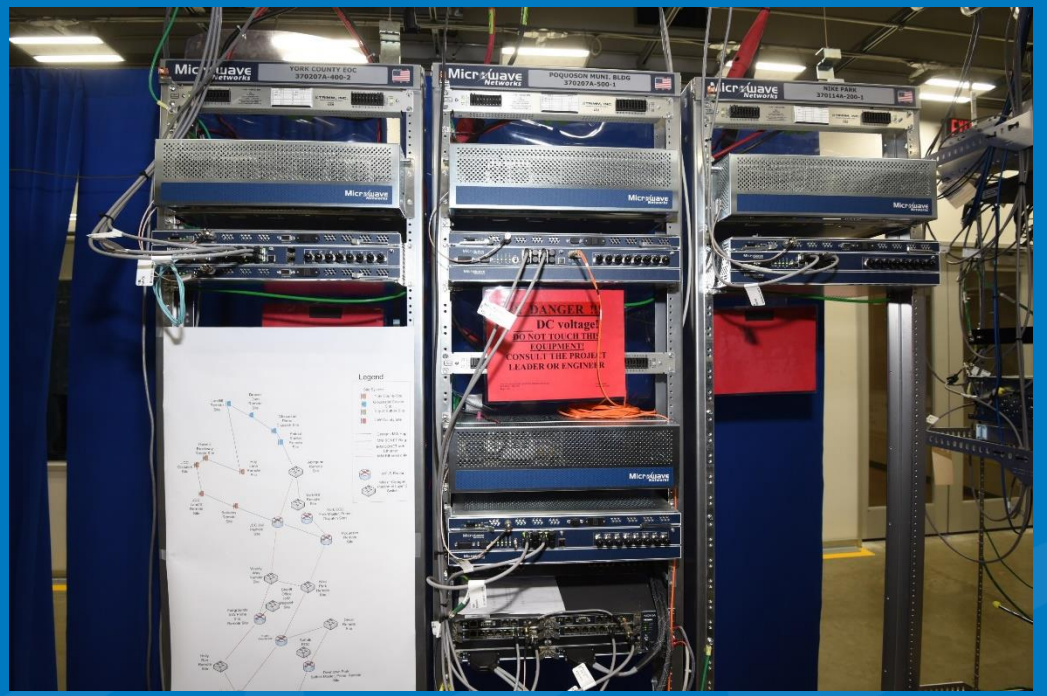
Goal 5: Exceptional Public Services



Goal 7: Fiscally Efficient Government

Linking Our Systems





Future Technologies

UNDERSTANDING THE HUMAN CONTEXT

HIGH VELOCITY HUMAN FACTORS



Low Stress Level -
Routine, secure, predictable

Elevated Stress Level -
Routine, potential to escalate

High Stress Level -
Unpredictable, volatile, complex

COGNITIVE ALLOCATION



Full capabilities
Advanced interactions
Detailed information

COGNITIVE ALLOCATION



Reduced fine motor skills
Optimal reaction time
Key information only

COGNITIVE ALLOCATION

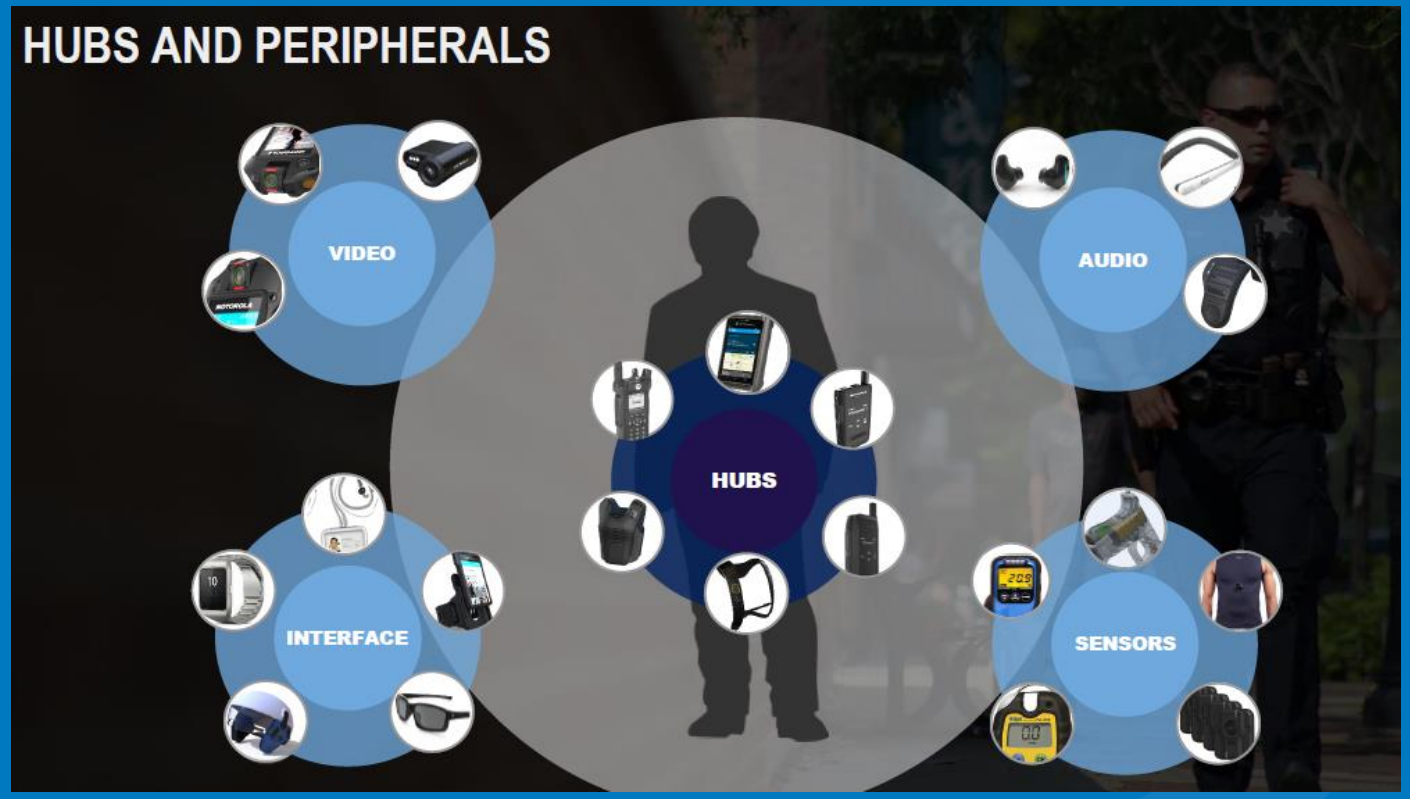


Only gross motor skills
Limited cognitive capabilities
Critical alerts only

HANDS-ON, ADVANCED INTERACTIONS
MORE VISUAL

EYES-UP, HANDS-FREE
AUDIO, TACTILE, CRITICAL VISUAL

Future Technologies



DATA, DATA, DATA…

90% Of the World's Digital Data was Created in the last **2 years**



Goal 2: Modern Infrastructure, Facilities, and Technology Systems

Questions



Goal 2: Modern Infrastructure, Facilities, and Technology Systems

Goal 4: Protected Community Character and an Enhanced Built Environment

Goal 5: Exceptional Public Services

Goal 7: Fiscally Efficient Government

AGENDA ITEM NO. C.3.

ITEM SUMMARY

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Bryan J. Hill, County Administrator

SUBJECT: DEQ/HRSD

REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Fellows, Teresa	Approved	9/19/2017 - 1:16 PM

AGENDA ITEM NO. C.4.

ITEM SUMMARY

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Bryan J. Hill, County Administrator

SUBJECT: Dominion Energy

REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Fellows, Teresa	Approved	9/26/2017 - 8:09 AM

AGENDA ITEM NO. D.1.

ITEM SUMMARY

DATE:	9/26/2017
TO:	The Board of Supervisors
FROM:	Bryan J. Hill, County Administrator
SUBJECT:	Consideration of a personnel matter, the appointment of individuals to the Regional Air Service Enhancement Committee (RAISE) pursuant to Section 2.2-3711 (A)(1) of the Code of Virginia

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REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Fellows, Teresa	Approved	9/19/2017 - 1:25 PM

AGENDA ITEM NO. D.2.

ITEM SUMMARY

DATE:	9/26/2017
TO:	The Board of Supervisors
FROM:	Adam R. Kinsman, County Attorney
SUBJECT:	Consultation with legal counsel employed or retained by the public body regarding specific legal matters requiring the provision of legal advice by such counsel pursuant to Section 2.2-3711 (A)(7) of the Code of Virginia

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REVIEWERS:

Department	Reviewer	Action	Date
Economic Development Authority	Fellows, Teresa	Approved	9/26/2017 - 8:24 AM

AGENDA ITEM NO. E.1.

ITEM SUMMARY

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Teresa J. Fellows, Administrative Coordinator

SUBJECT: Adjourn until 5 p.m. on October 10, 2017 for the Regular Meeting

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REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Fellows, Teresa	Approved	9/19/2017 - 1:26 PM