

**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**

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**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

**ITEM SUMMARY**

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Ryan Ashe, Fire Chief

SUBJECT: Fire Overview

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**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

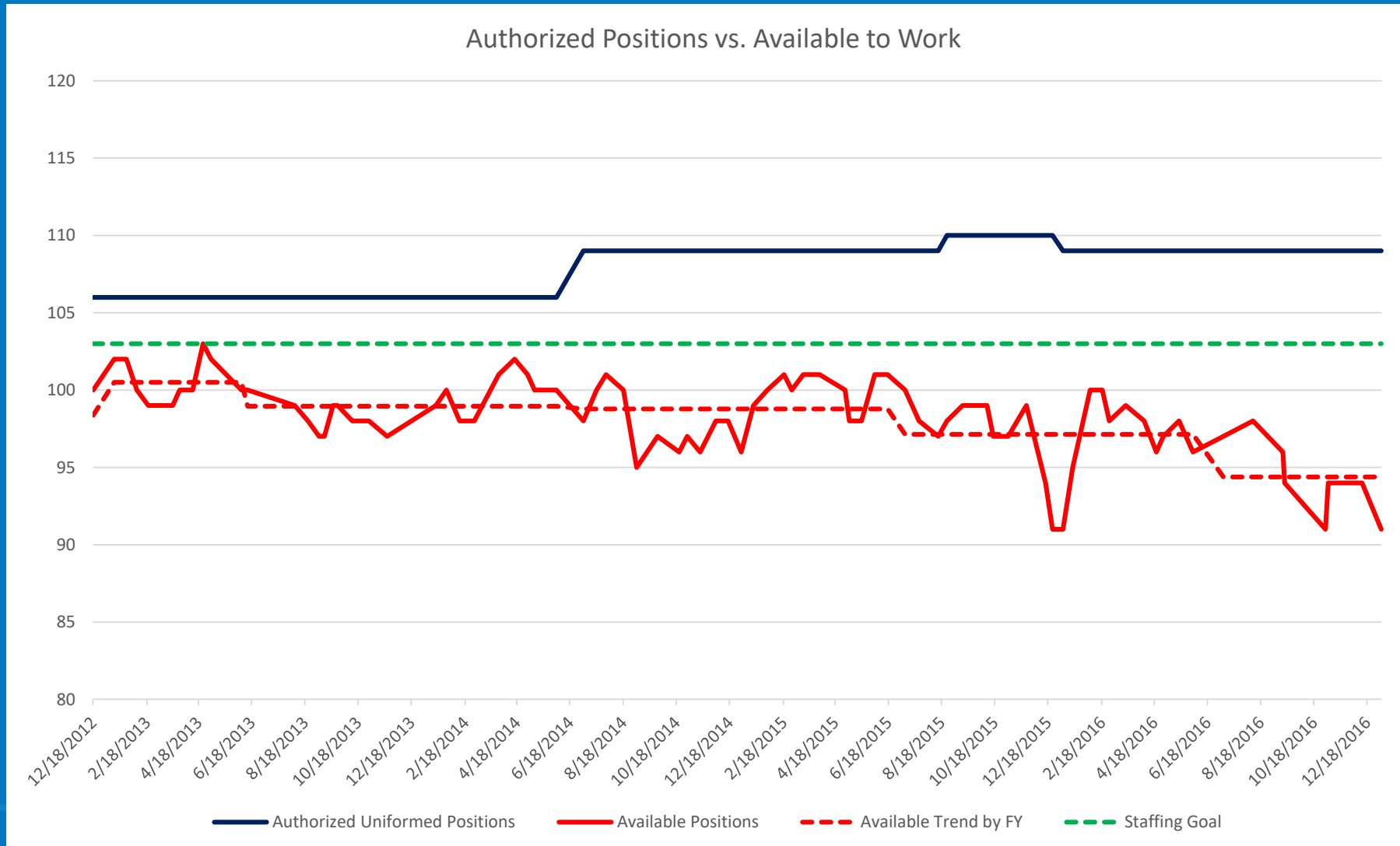
# Minimum Staffing



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
<b>TOTAL</b>			<b>103</b>

\*Need 103 personnel available to work

# Previous Fiscal Years



# ALS Career Ladder Change

## FY 2018 Plan

FY 2018 O.T. Plan  
\$ 733,412

FY 2018 Salary Plan  
\$ 6,351,440

- \$ 217,837

+ \$ 183,807

## FY 2018 Adopted

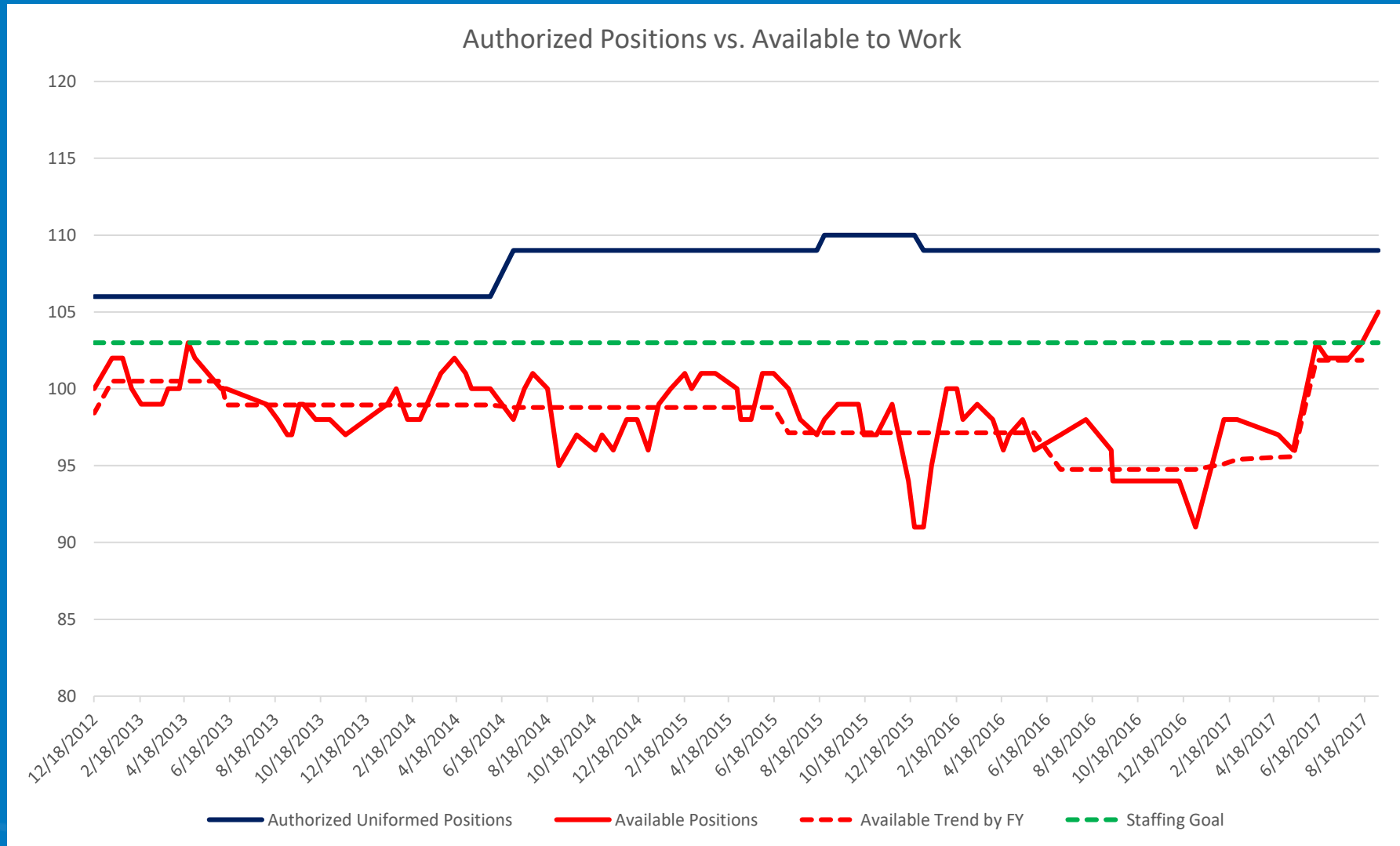
FY 2018 O.T. Adopted  
\$ 515,575

FY 2018 Salary Adopted  
\$ 6,535,247

# ALS Career Ladder Changes

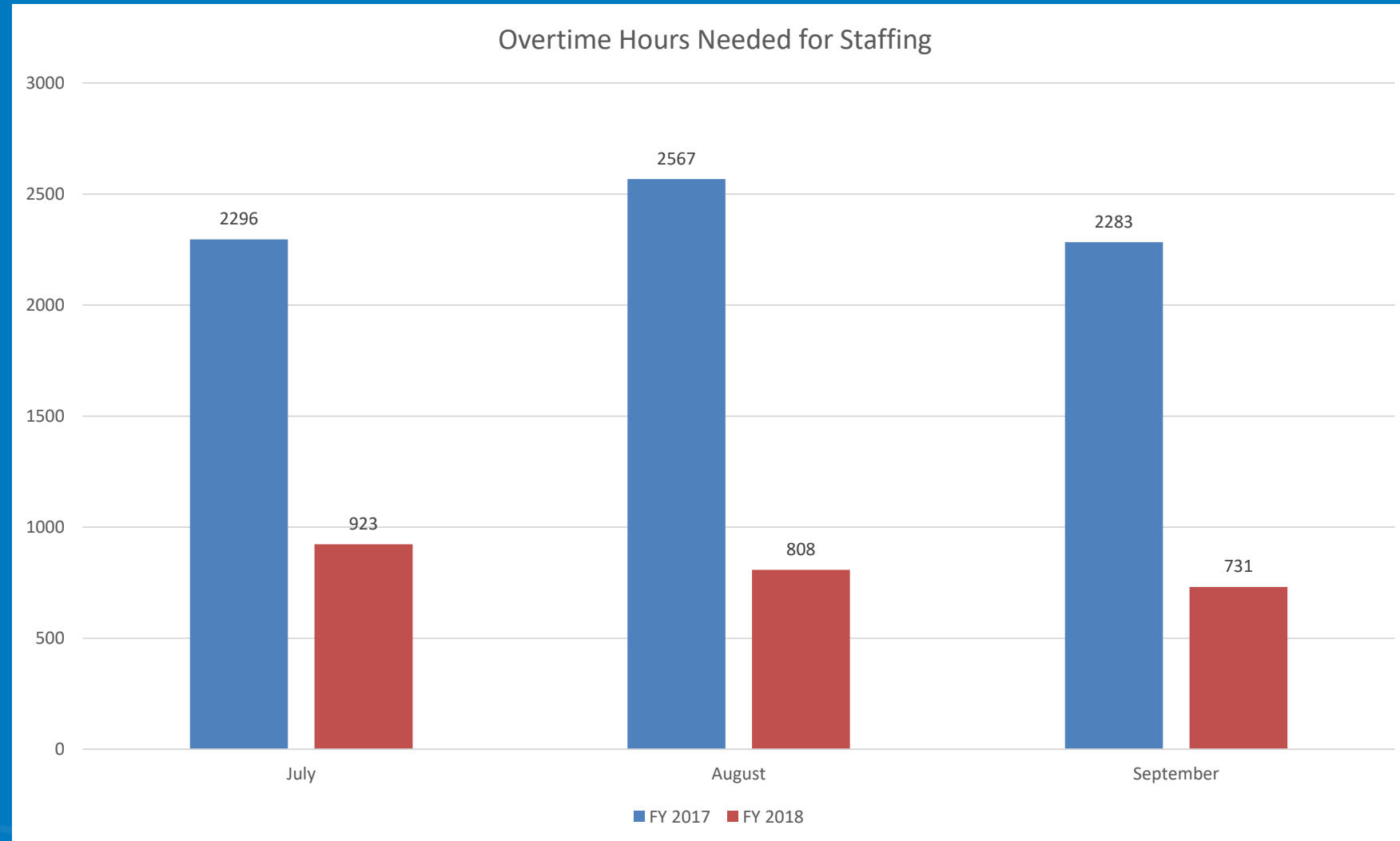
- EMT-Intermediate
  - \$3,000
- Paramedic
  - \$6,000
- Positive Impacts
  - Increased retention- less need for O.T.
  - Competitive salary structure
  - Recruitment of pre-qualified applicants
- Decrease in personnel budget from FY 2017 – FY 2018

# FY 2018 Current Staffing

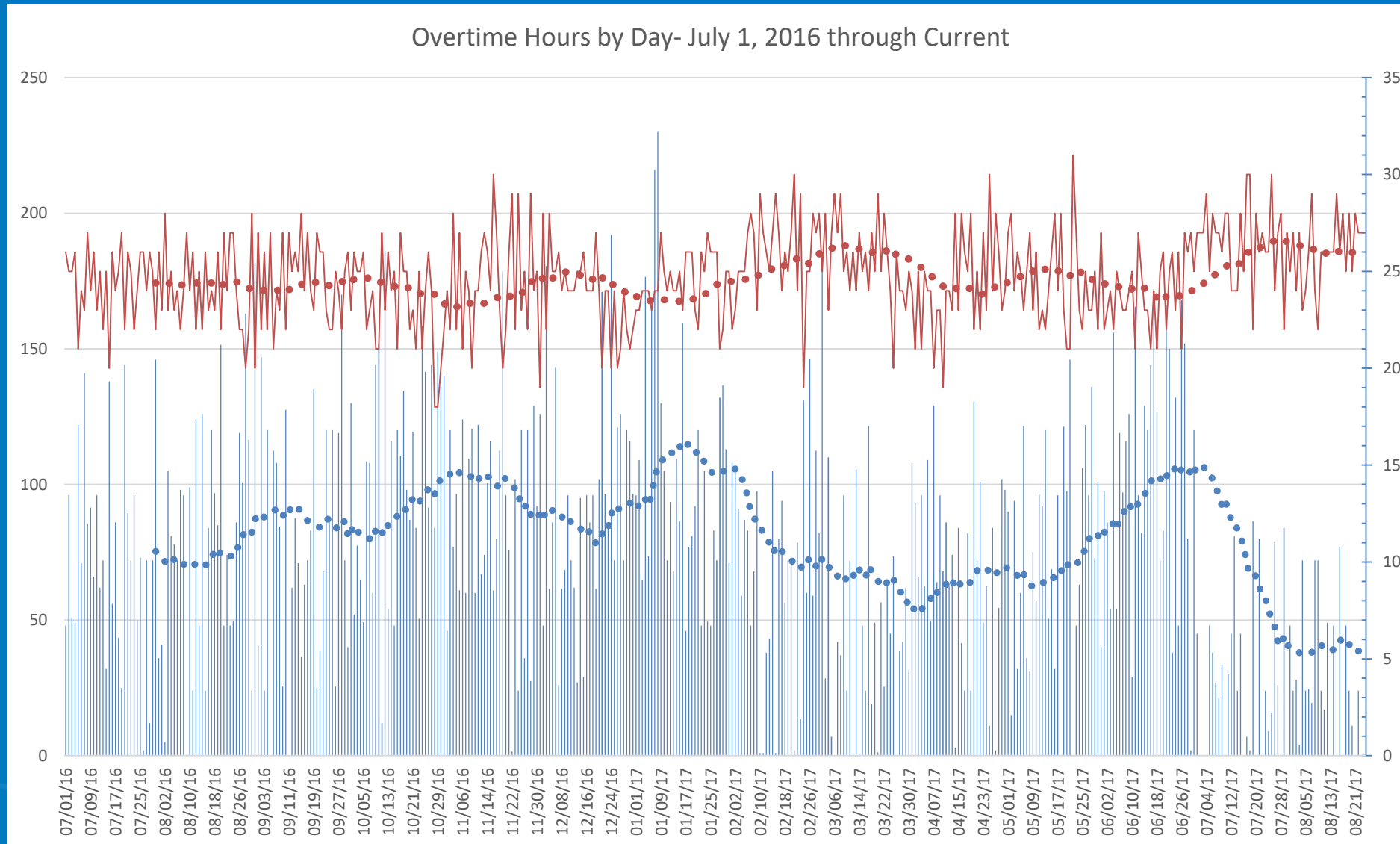




# Overtime Analysis



# 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**

**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

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**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  
10

# 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**

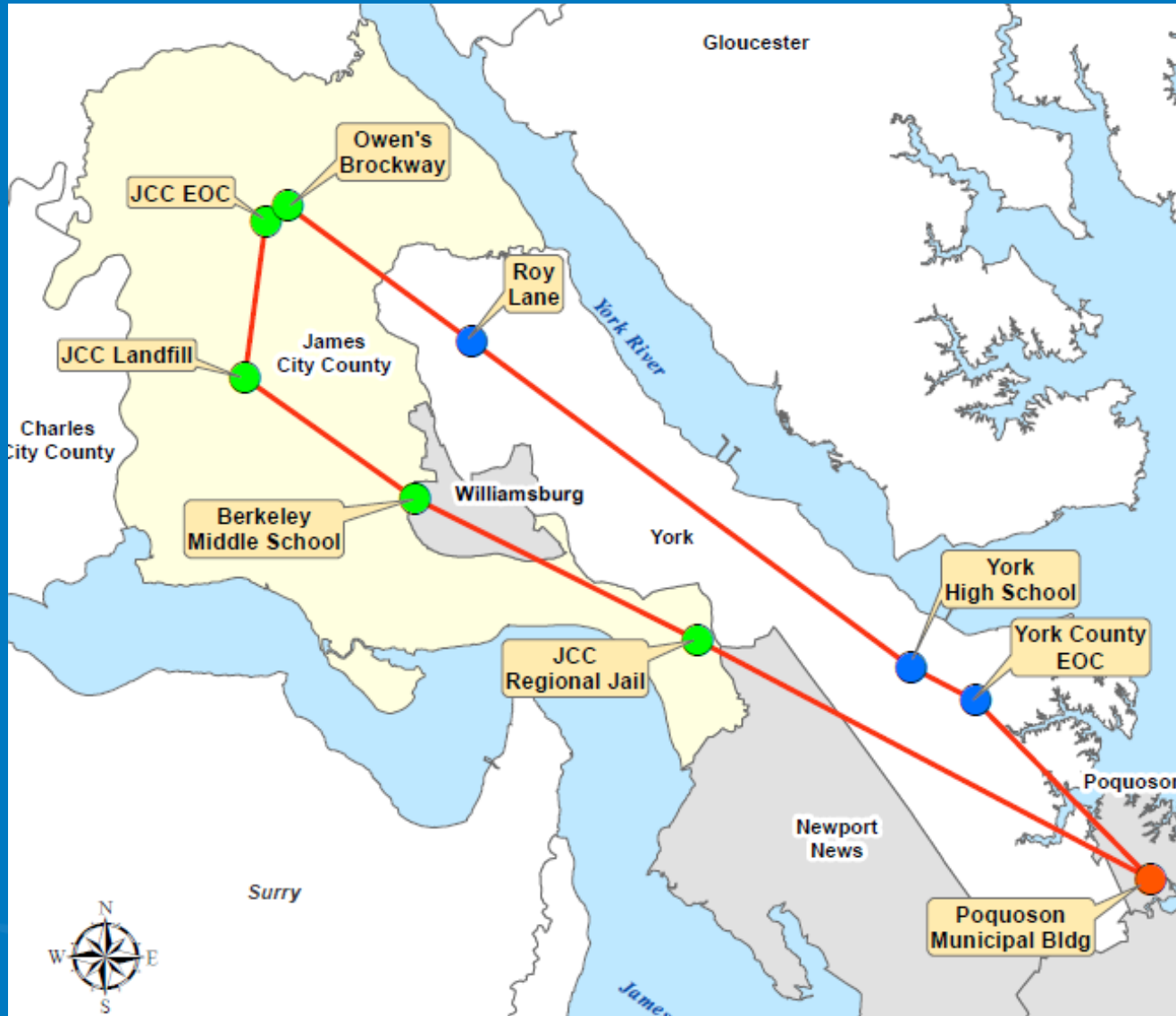


**Goal 5: Exceptional Public Services**



**Goal 7: Fiscally Efficient Government**

# James City/ York



9 Tower 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

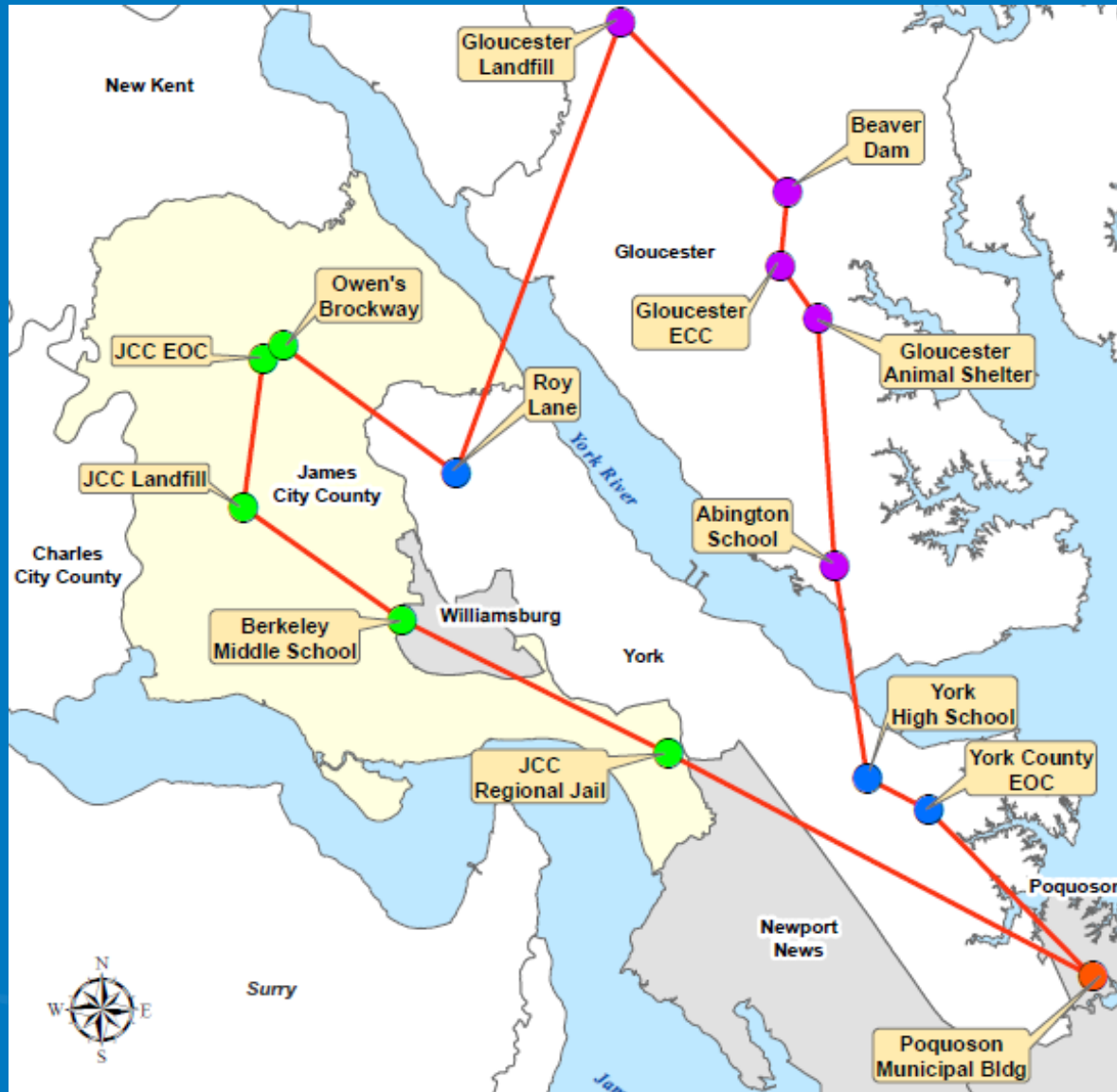


Goal 5: Exceptional Public Services



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**



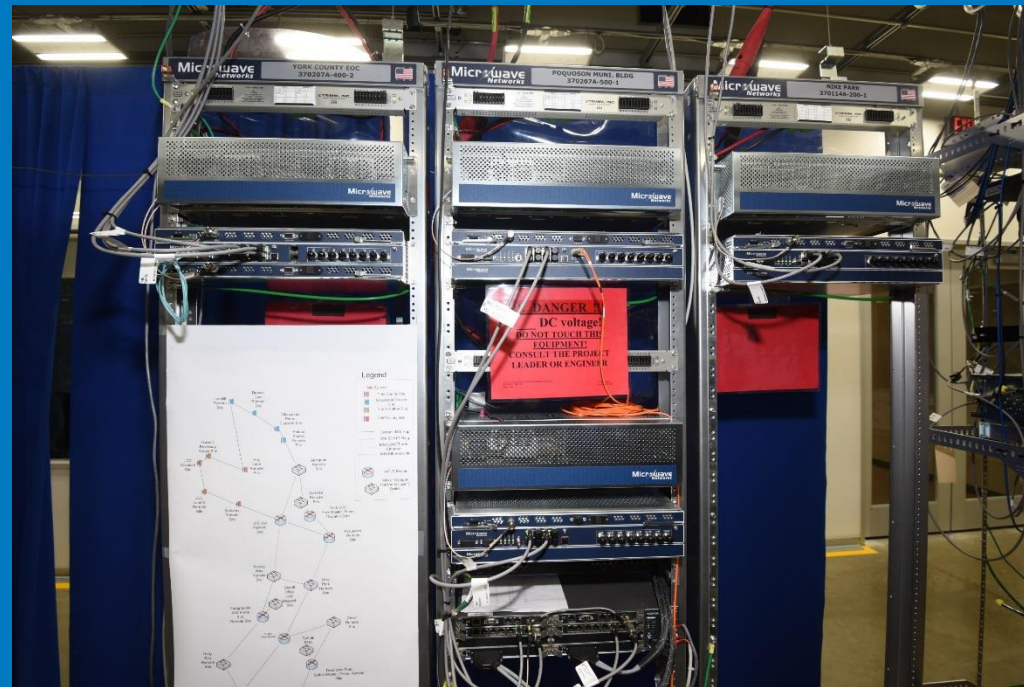
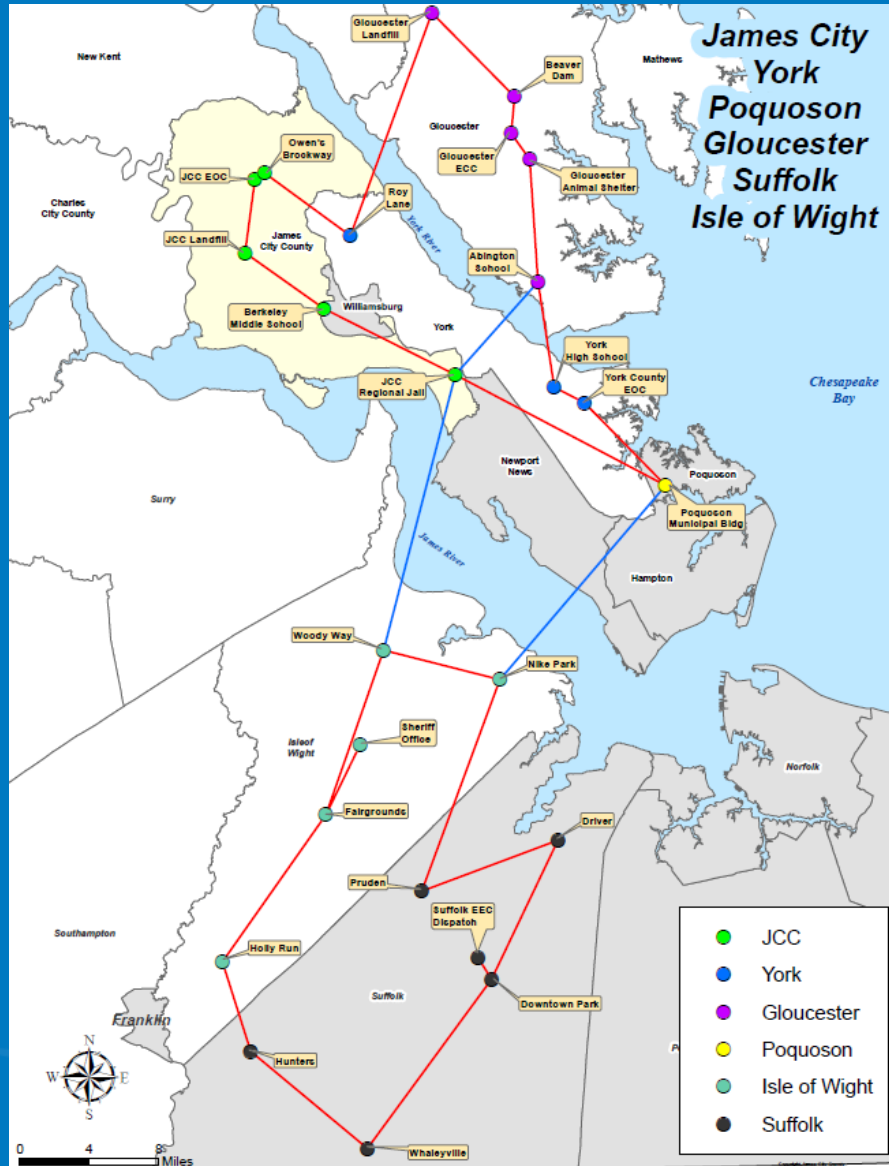
**Goal 5: Exceptional Public Services**



**Goal 7: Fiscally Efficient Government**



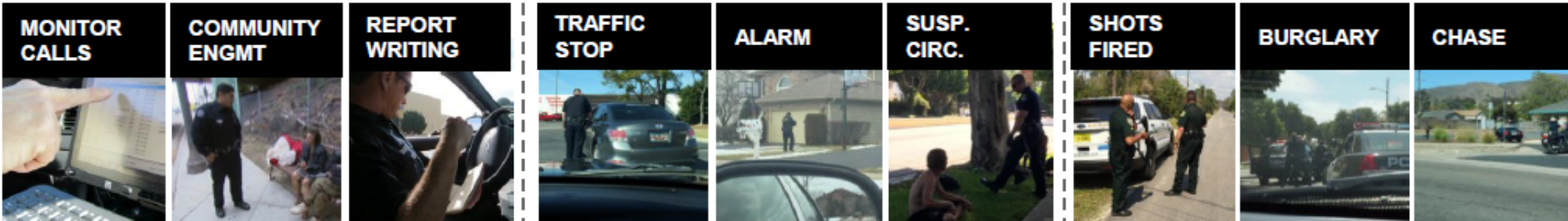
# Linking Our Systems



# 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



OFFICER



SYSTEM

Full capabilities  
Advanced interactions  
Detailed information

#### COGNITIVE ALLOCATION



OFFICER



SYSTEM

Reduced fine motor skills  
Optimal reaction time  
Key information only

#### COGNITIVE ALLOCATION



OFFICER



SYSTEM

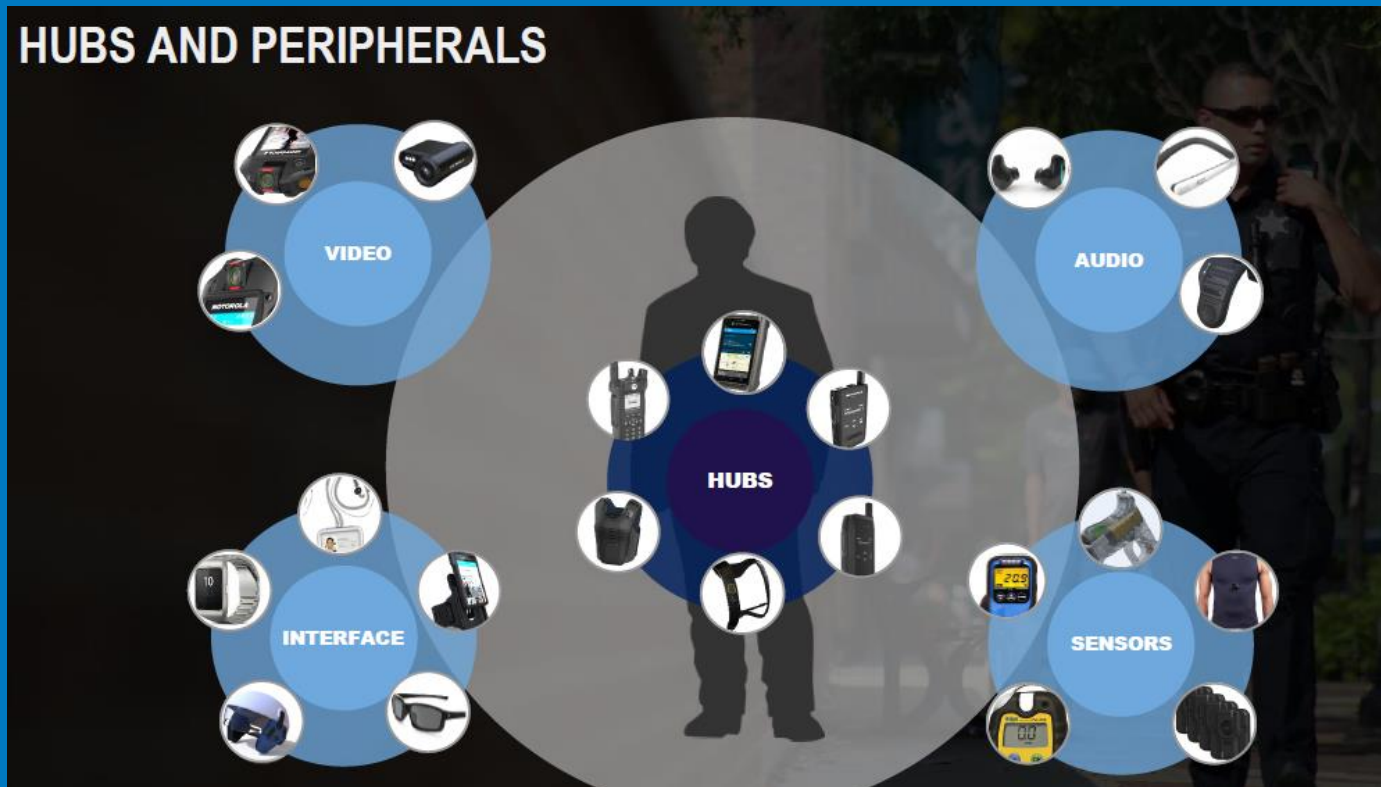
Only gross motor skills  
Limited cognitive capabilities  
Critical alerts only

HANDS-ON, ADVANCED INTERACTIONS  
MORE VISUAL

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

# Future Technologies

## HUBS AND PERIPHERALS



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**

**ITEM SUMMARY**

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Bryan J. Hill, County Administrator

SUBJECT: DEQ/HRSD

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**REVIEWERS:**

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

**ITEM SUMMARY**

DATE: 9/26/2017

TO: The Board of Supervisors

FROM: Bryan J. Hill, County Administrator

SUBJECT: Dominion Energy

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**REVIEWERS:**

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

**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

**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

**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