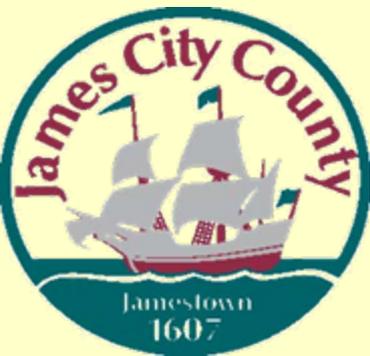




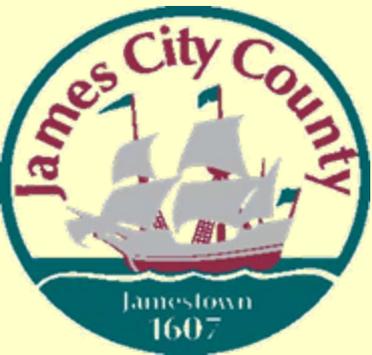
York County / James City County Regional Communication System VACO

11/10/08



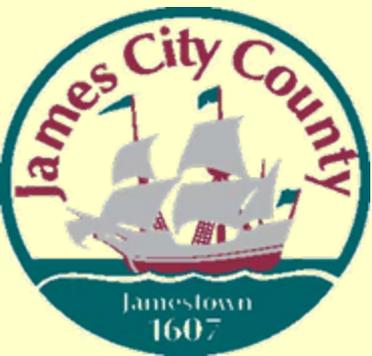
History

- The process
 - Conducted independent needs assessments with consultants
 - RCC – James City County (1997)
 - Frederick Griffin, P.C. – York County (2001)



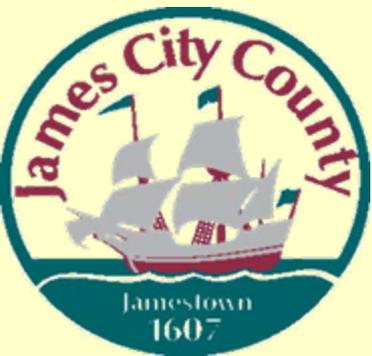
History (cont'd)

- FCC licenses merged with approval from the FCC and as agreed upon by
 - York County
 - James City County
 - Williamsburg/James City County Schools



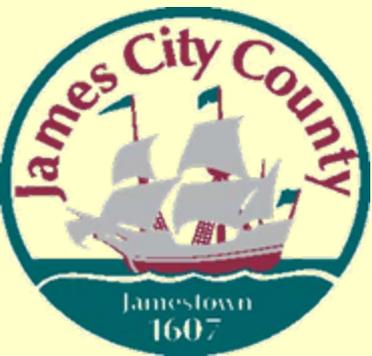
Consultants' Conclusions

- Inadequate radio coverage
- Lack of Interoperability
- Age and life expectancy of current systems and technologies
- Radio channel capacity



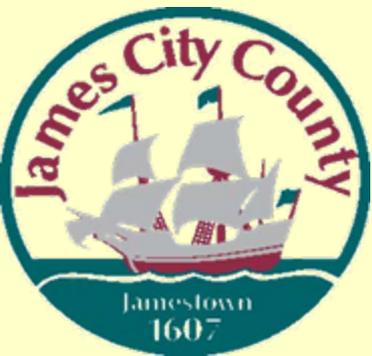
Consultants' Conclusions

- Frequency refarming
- Increased downtime for existing communications infrastructure
- Radio interference
- Radio Rebanding



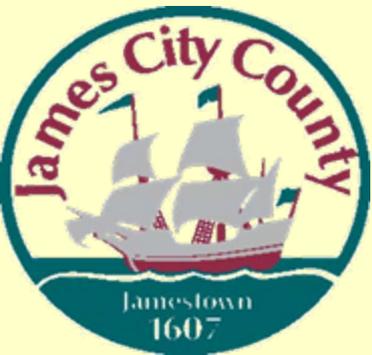
Regional Process

- County Leadership requested research of regional approach
- Research revealed feasibility of regional approach
- Formed regional purchasing cooperative
- Formed evaluation / project teams
 - County-wide study / interview groups
- Issued RFP for consultant services to design, acquire & implement 800 MHz system



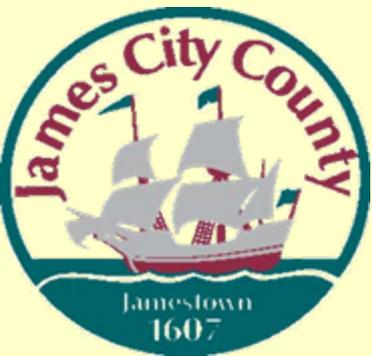
POLICY TEAM

- County Administrators (2)
- Project Managers (2)
- Sheriff, York County
- Chief, James City Police
- Purchasing Agent
- Legal
- CFO (York)
- Fire Chiefs (2)



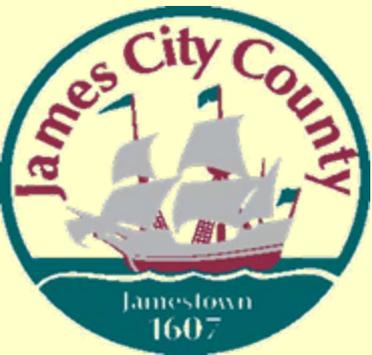
Advantages of Regional System

- Less expensive (estimated)
 - York County – \$13.5 million
 - James City County – \$15.5 million
 - Collective savings \$5 - \$7 million
- Coverage from sites overlap providing better in-building coverage
- Combined common infrastructure



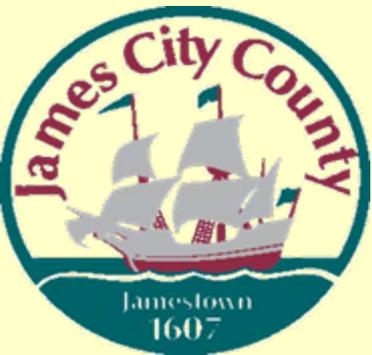
Advantages of Regional System

- E911 Communication Centers significantly improve back-up
- Communications site failure will have less impact because it will be back-filled by other sites
- Provides more channel capacity
- Provides for day-to-day interoperability



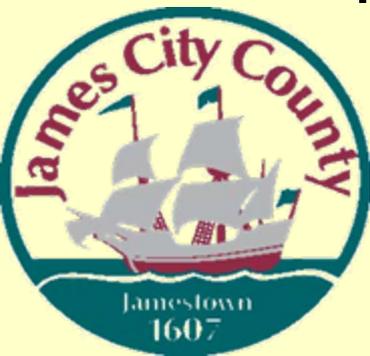
Advantages of Regional System

- Supports use of regional grant funding
- Bulk purchase
- Fewer tower sites

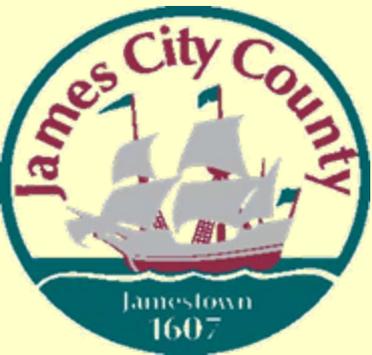
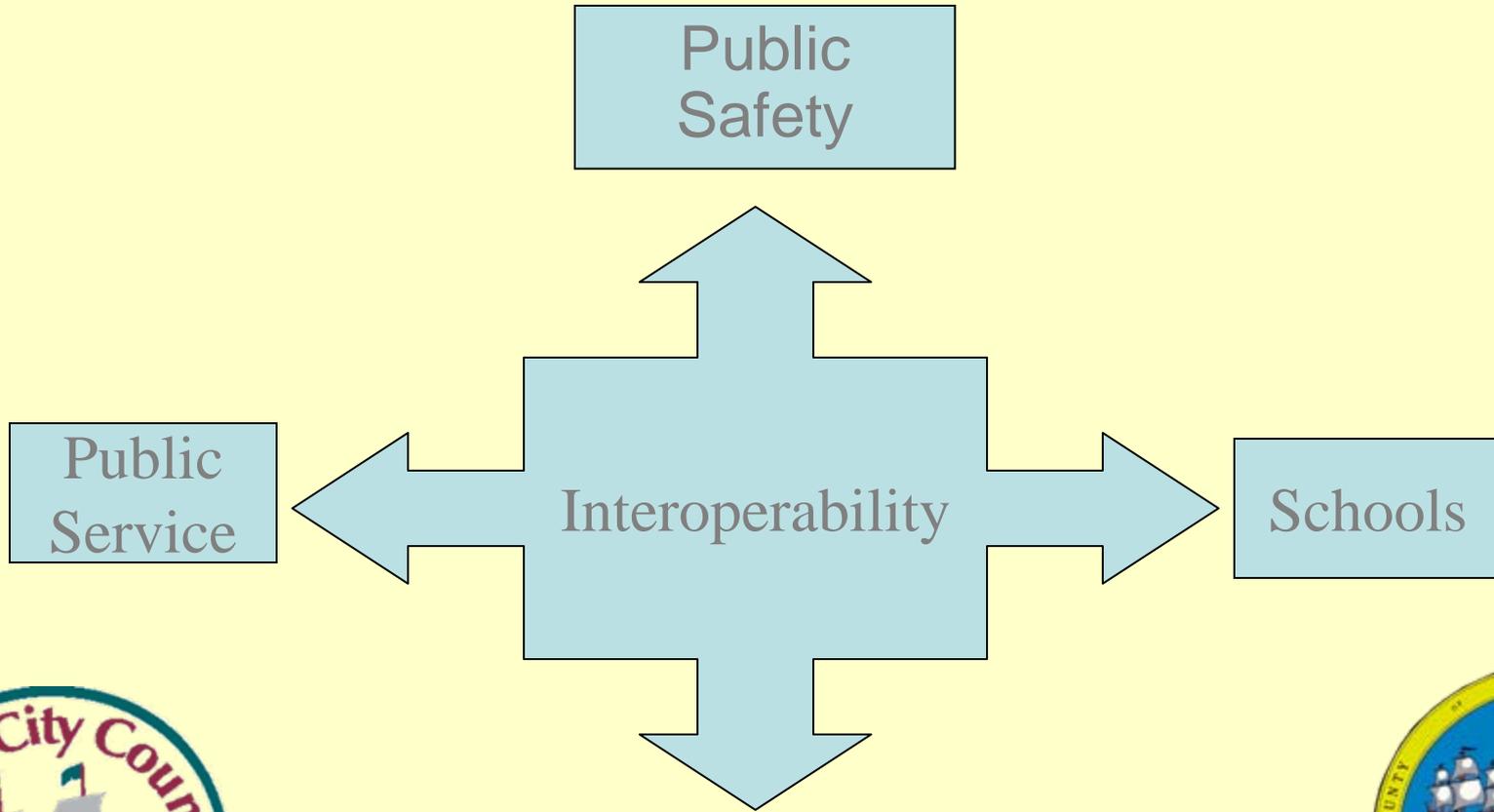


The System

- Includes:
 - 800 MHz single integrated simulcast system
 - 20-channel (multiple talk groups)
 - 9-communication tower sites
 - State-of-the-art looped Microwave network
 - 800/700 MHz cross-compatible mobiles and portables
 - Digital /analog compatible equipment
 - P25 open-architecture system
 - Integrated Voice & Data (IVD) (NC)

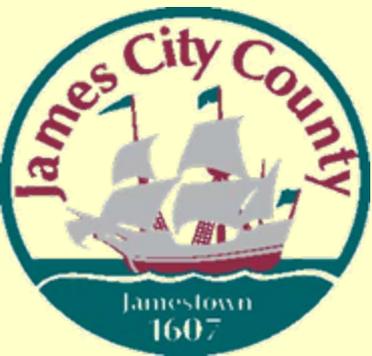


York & James City Counties - Interoperability

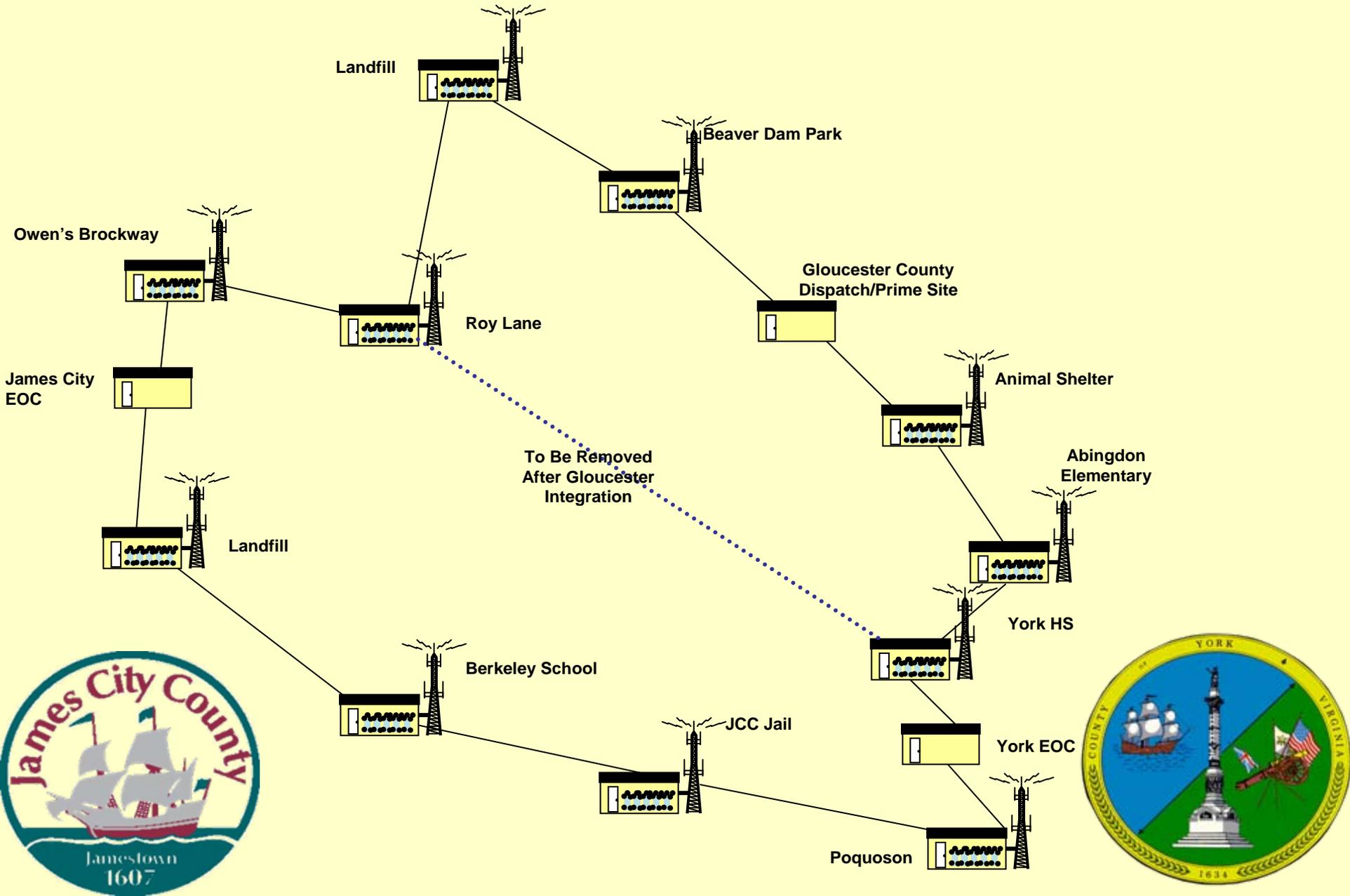


EXPANSION TO REGIONAL SYSTEM

- Colonial National Park Service
- City of Williamsburg
- College of William & Mary
- HRPDC link
- Kingsmill Security
- Ford's Colony
- Governors Landi
- Camp Peary
- Sentara Hospital
- City of Poquoson
- Eastern State Hospital



York / James City / Gloucester Expansion



Questions

