

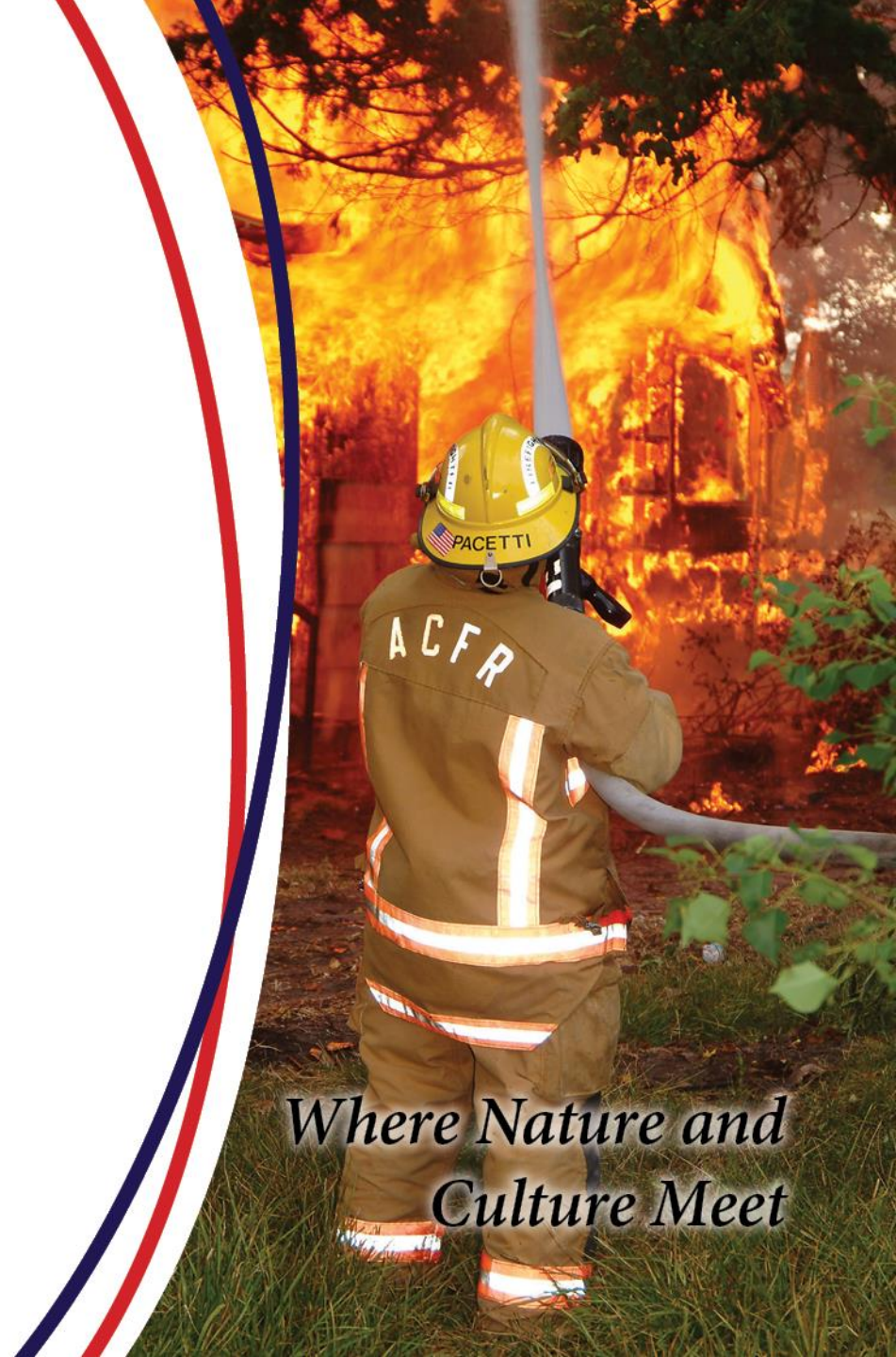


TRS (Trunked Radio System)

Harold Theus, Chief

**Tommy Crosby, Asst. County
Manager**

*Where Nature and
Culture Meet*



Objectives



- **A reliable radio system for all public safety entities**
- **Resilient radio system that can withstand natural disasters**
- **A shared radio system that provide seamless, communication regardless of jurisdictional boundaries**

Primary Discussion Points



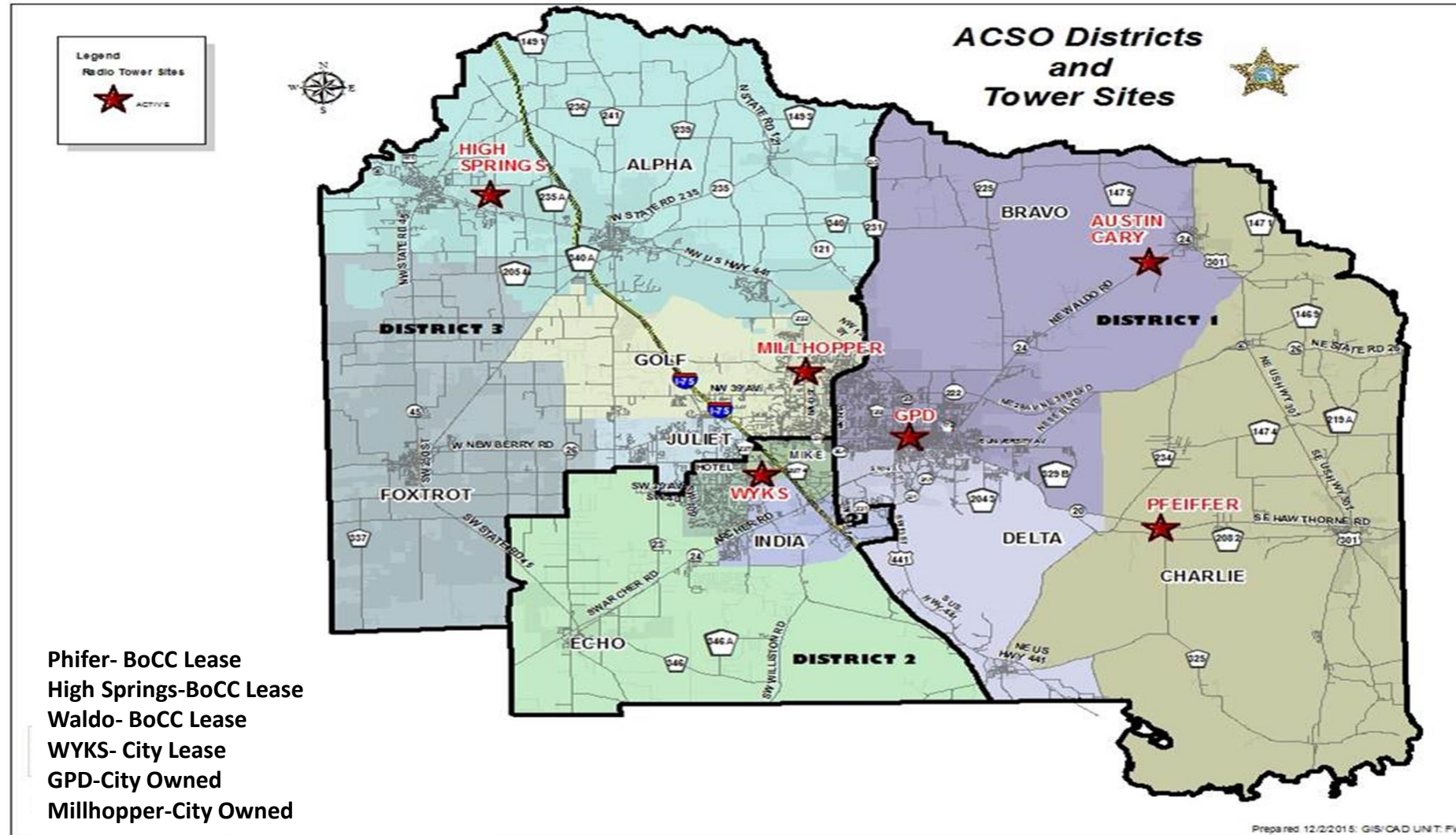
Brief history of system

- Creation of Trunked Radio System (TRS) and Interlocal Agreement

Key Points

- TRS needs to expand radio coverage to meet evolving growth in suburban and rural areas of the City/County
- Governance planning considerations
 - Interlocal is due to expire October 1, 2020
- Funding; scope of recent and future project costs

TRS Creation



TRS Interlocal/RMB



1999 TRS Interlocal established Radio Management Board (RMB)

- “A management board comprised of the principal participating agencies for the GRUCom Trunked Radio System” (RMB Bylaws)
- *RMB has no funding authority*

The current system is funded by monthly TRS subscriber fees per radio on the system **(\$54.11 per mobile/portable)** for system operations/maintenance and operational overhead

Current TRS fees *do not* support infrastructure upgrade or contingency funding

TRS Users



City of Gainesville

- **Fire Rescue***
- **Police Department***
- Code Enforcement
- Public Works
- Parks and Recreation
- Regional Transit System (RTS)
- **GRU***

Santa Fe Police Department

High Springs Police Department

Alachua Police Department

University of Florida Police Department*

CSX (Railroad) Police

Gainesville Airport

US Marshall Service

State Attorney

Alachua County

- **Fire Rescue***
- **Sheriff's Office***
 - Department of the Jail
 - Civil/Courts
 - Patrol
 - CCC
- Animal Services
- Public Works
- Court Services
- Waste Management
- Facilities

Melrose Fire Department

High Springs Fire Department

Windsor Fire Department

Cross Creek Fire Department

Newberry Fire Department

Lacrosse Fire Department

Micanopy Fire Department

VA Hospital

UF Health/ShandsCair

North Florida Regional Medical Center

*** =RMB Voting Member**

Present Situation



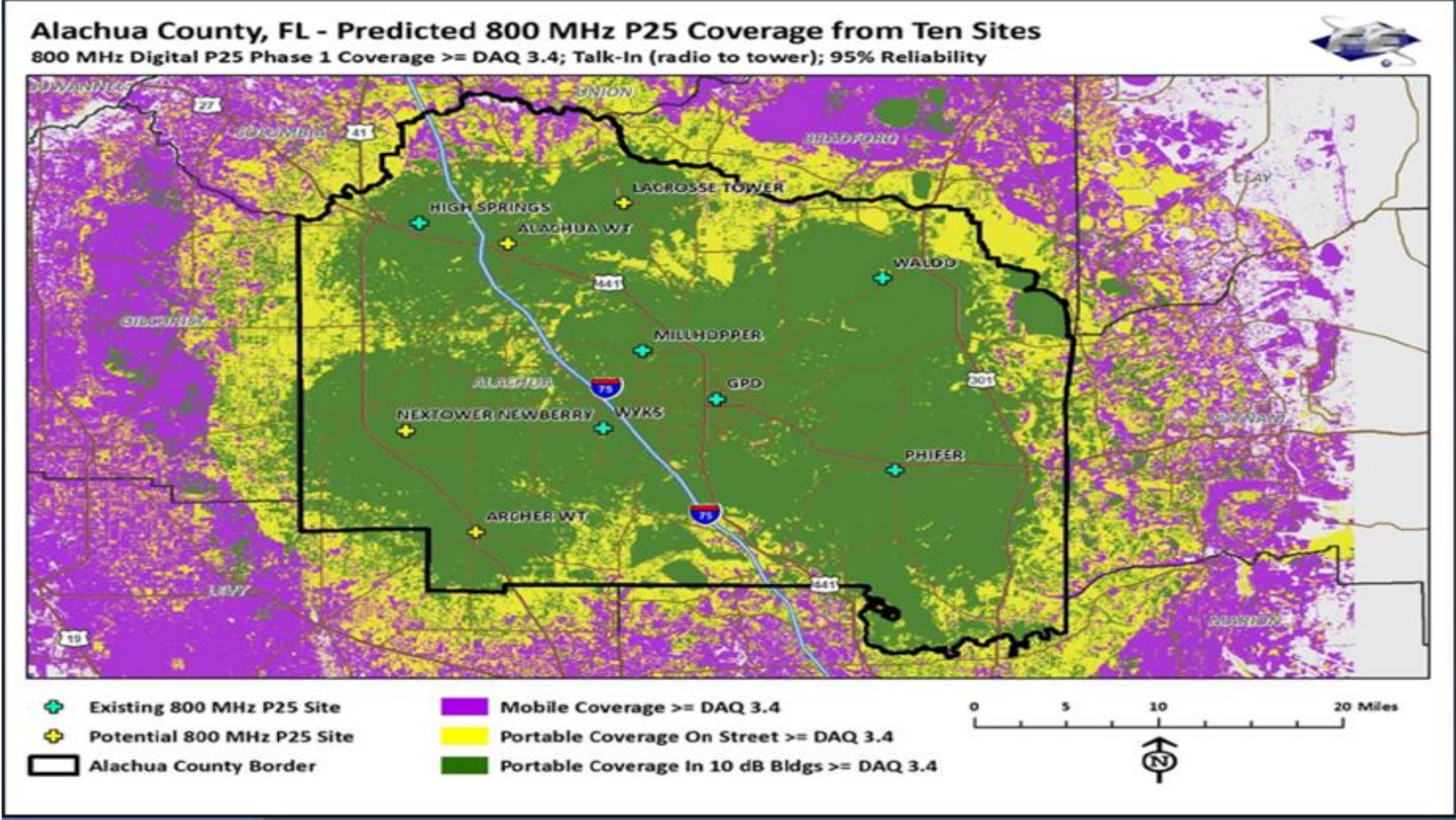
- **GruCom recently invested approximately \$5 million to upgrade the 6-site system infrastructure to the latest communications standard (P25)**
 - This investment was not funded by revenues generated by TRS User's Fees
- **The upgrade brought some elements of the systems core up to date but significant needs remain.**

Present Situation Continued



- **Upgrades (approx. \$8 million) currently under consideration**
- **The County BoCC has secured Federal Engineering for consultant services and project coordination**
 - RMB reached consensus with Federal Engineering as to which available components and features were appropriate for the upgrade to the TRS

Predicted 10-Site Coverage



Estimated Costs-Infrastructure



Component	Estimated Cost
Geo-Diverse Prime Site	\$674,000
Four New RF Sites	\$2,619,000
Site Improvements	\$1,196,000
Backhaul Network	\$1,214,000
Over the Air Programming	\$56,000
ISSI	\$450,000
DSR Master	\$748,000
Over the Air Rekey	\$299,000
Smartphone Integration	\$375,000
GPS/AVL	\$244,500
Total	\$7,875,500

Cooperation



- **February 17th- invited all stakeholders to attend-discuss radio systems present situation and future needs**
- **February 27th- met with Alachua County School Superintendent and staff.**
- **Ongoing meetings with City of Gainesville and Alachua County Staff**
- **Have held individual meetings with all other municipalities**

Potential Cost



Current Contract Status with GRU (~53%)

\$1.2M GRU Cost recovered

BoCC share = \$640K

Estimated Future Program needs

\$1.5M GRU Operating

BoCC Share = \$795K

**BoCC Share = \$795K
(Capital \$5 Million)**

BoCC Share = \$310K

\$675K Expansion Operating

BoCC Share = \$360K

**\$900K Expansion Capital
(Capital \$8 Million)**

BoCC Share = \$475K

Surtax Option



- **½ cent sales tax for 1 year--estimated revenue of \$22 million**
- **Create a new interlocal entity**
- **Pledge, give or direct the new surtax to the new interlocal entity**
- **Capital equipment purchases, software updates and future system investments would be governed by entity**
- **\$5 million investment and \$8 million needs would be paid for by surtax, leaving a balance for future needs and investment**

Recommendations



Direct Staff:

- Pursue ½ cent sales tax referendum
- Engage Attorney Kenneth Artin to design entity
- Move forward with Phase 3 with the consultant

Contact Information



[Alachua County Fire Rescue Web Site](#)

352-384-3101

Dial 911 in an emergency

[Alachua County Fire Rescue FaceBook Page](#)