

Governor's Infrastructure Financing Conference

Can You Hear Me Now?

A regional approach to public safety regional communications

April 4, 2019



Presentation Team

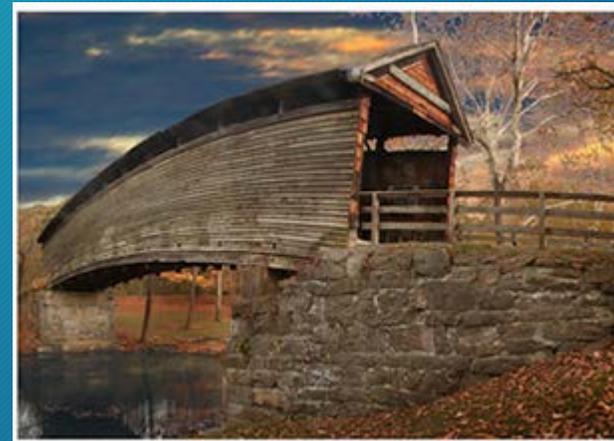
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- Jon Lanford, Alleghany County Administrator
- Ryan Muterspaugh, Director of Public Safety, Alleghany County
- Webster Day, Member, Spilman, Thomas & Battle, PLLC
- Kevin Rotty, Managing Director, PFM Financial Advisors
- Ann Shawver, Ann Harrity Shawver, CPA, PLLC

Alleghany County – Virginia's Western Gateway

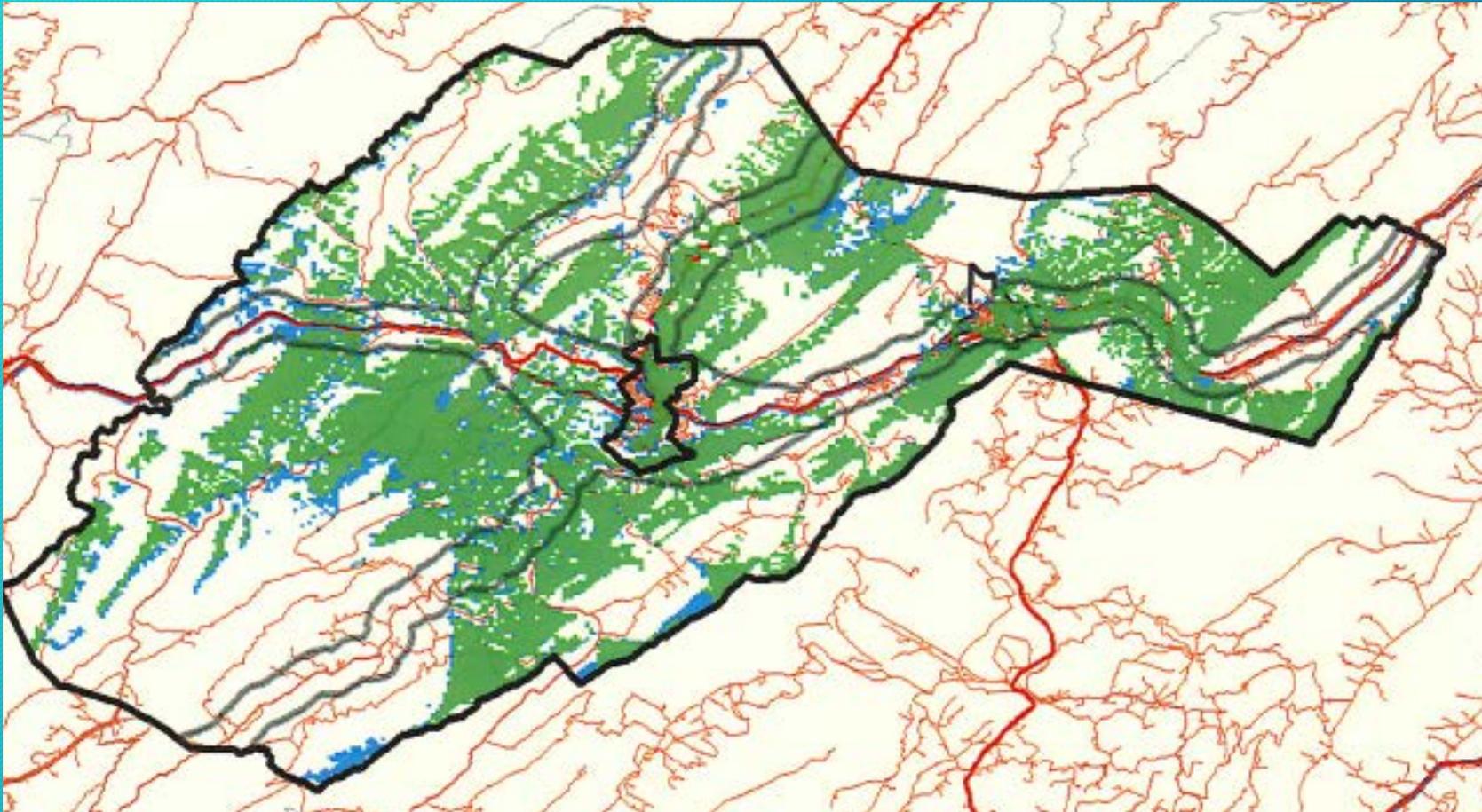
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- Population 16,000
- General Fund budget of \$35M
- Capital Improvement Program of \$15M
- Nearly 50% of the county is in the National Forest
- 452 square miles
- Located just off Interstate 64
- Jackson River Scenic Trail



Can You Hear Me? Current Coverage

4

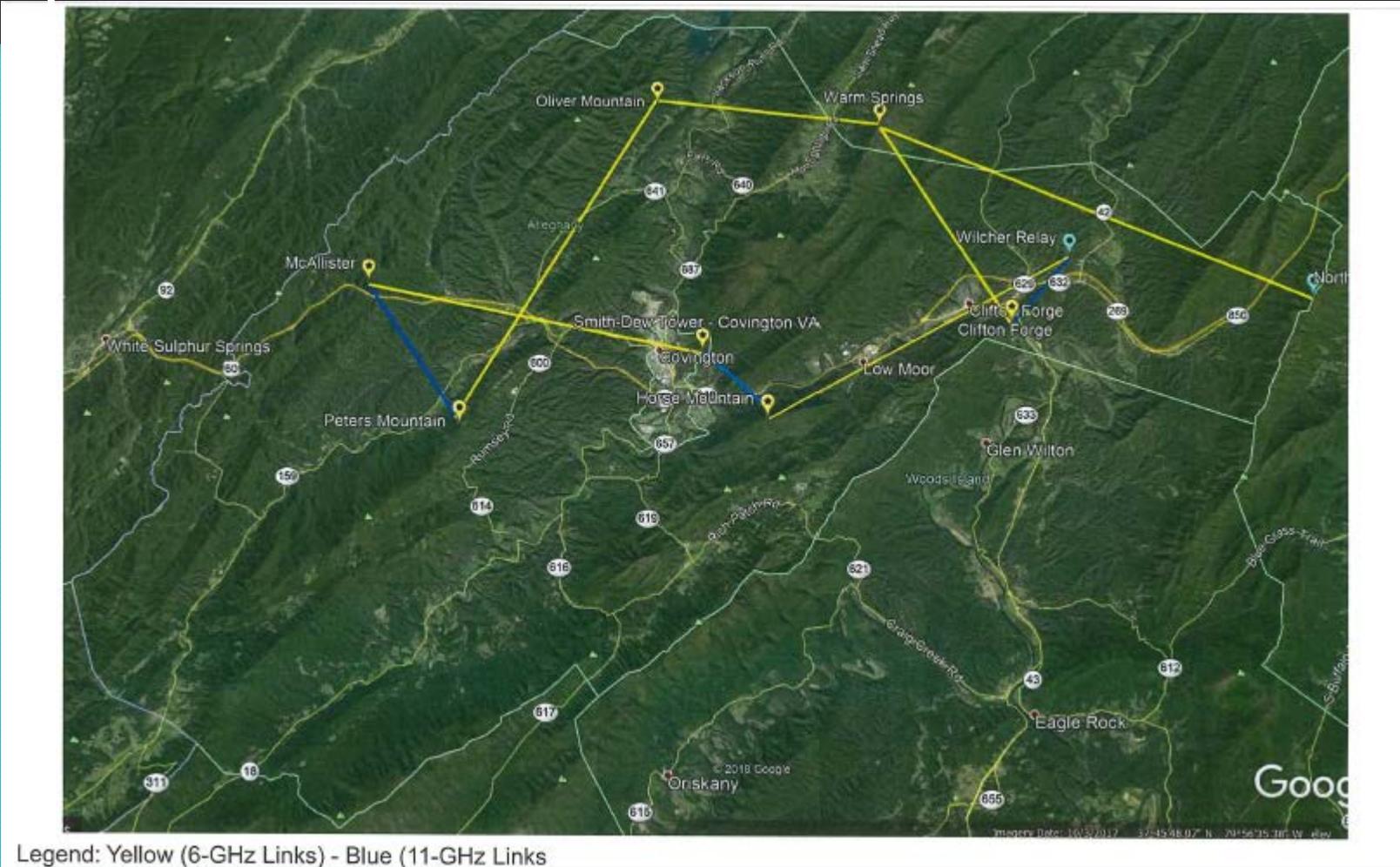


Key Project Provisions and Solutions

5

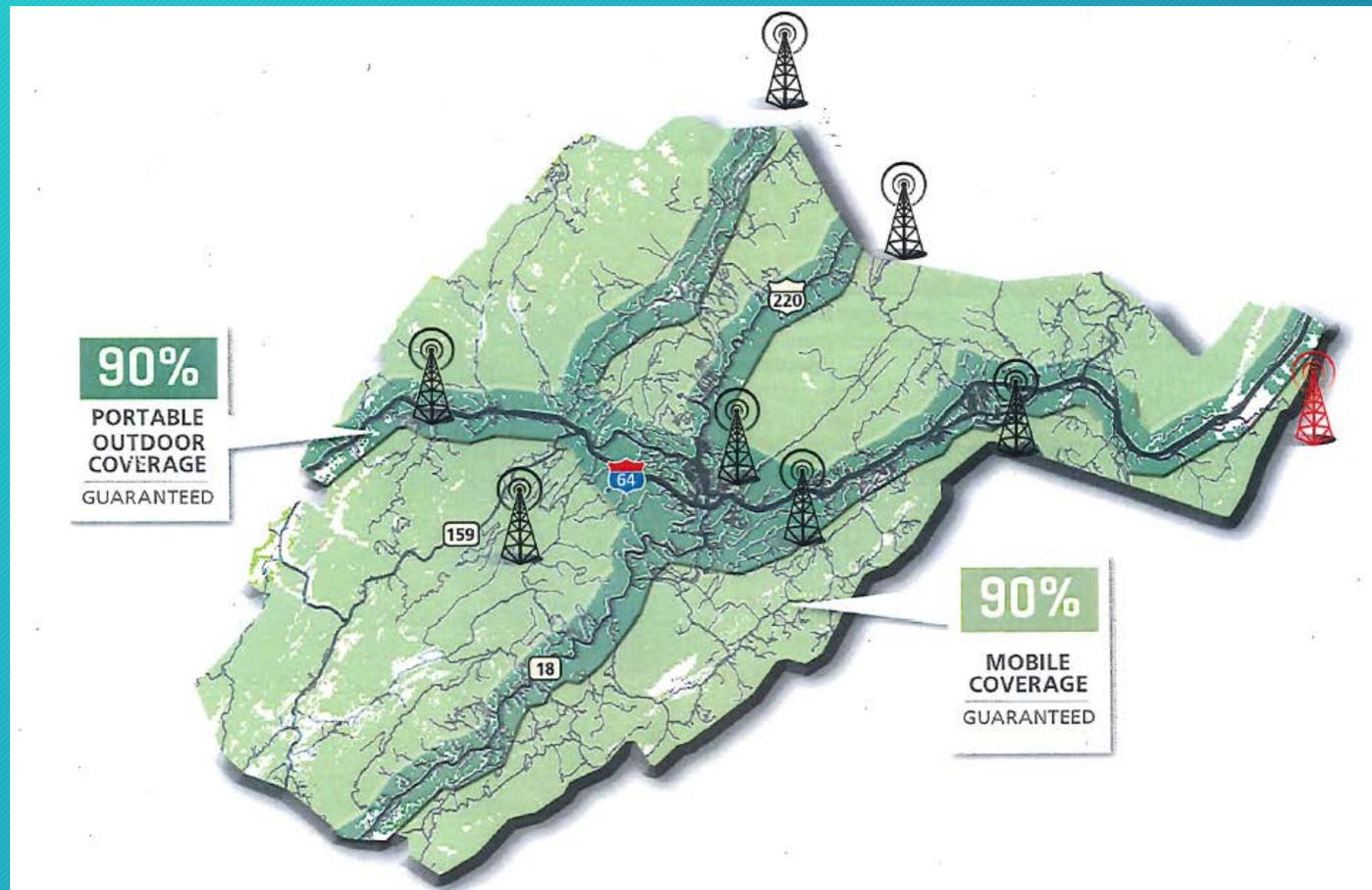
- P25, Phase II, Trunked, Simulcast UHF Radio System
- Harris is to provide "Turn-Key" solution
- 90% minimum coverage guaranteed
- No single point of failure and complete redundancy within the new system - combination of microwave and fiber links
- Utilize existing tower sites where possible
- 9 radio sites - 8 in Alleghany County (one is a relay site only) / one in the City of Covington
- New radios for the County and City to include 692 portables, 197 mobiles, and 6 Dispatching Consoles

Overall Design Plan - Content Topographical Microwave/RF Network



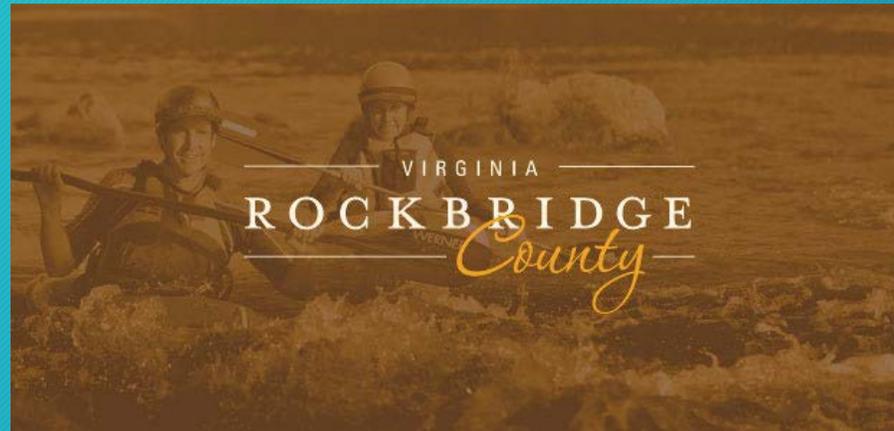
90% Coverage Guaranteed!!!

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Public and Private Partners

8

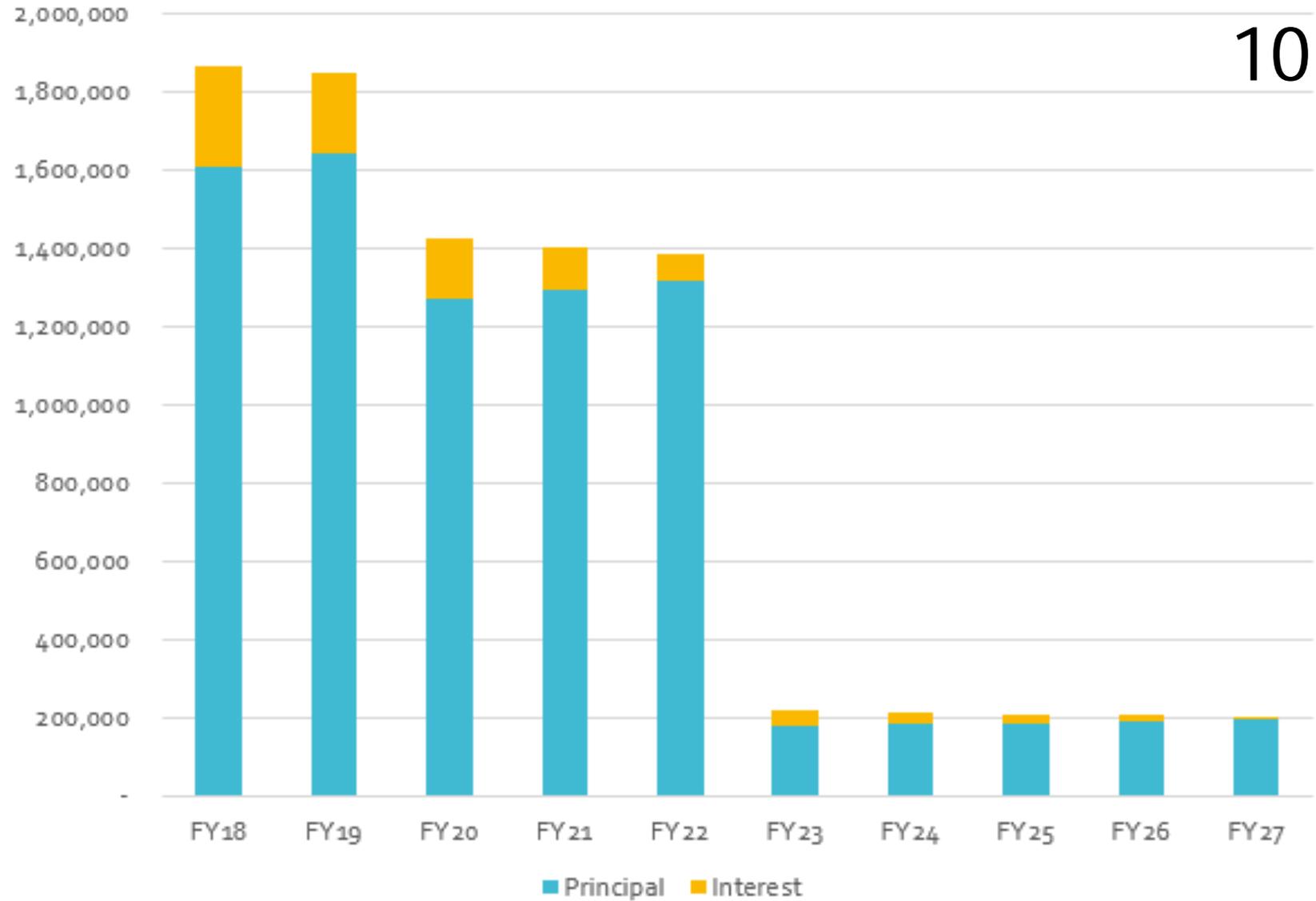


Project Vendors

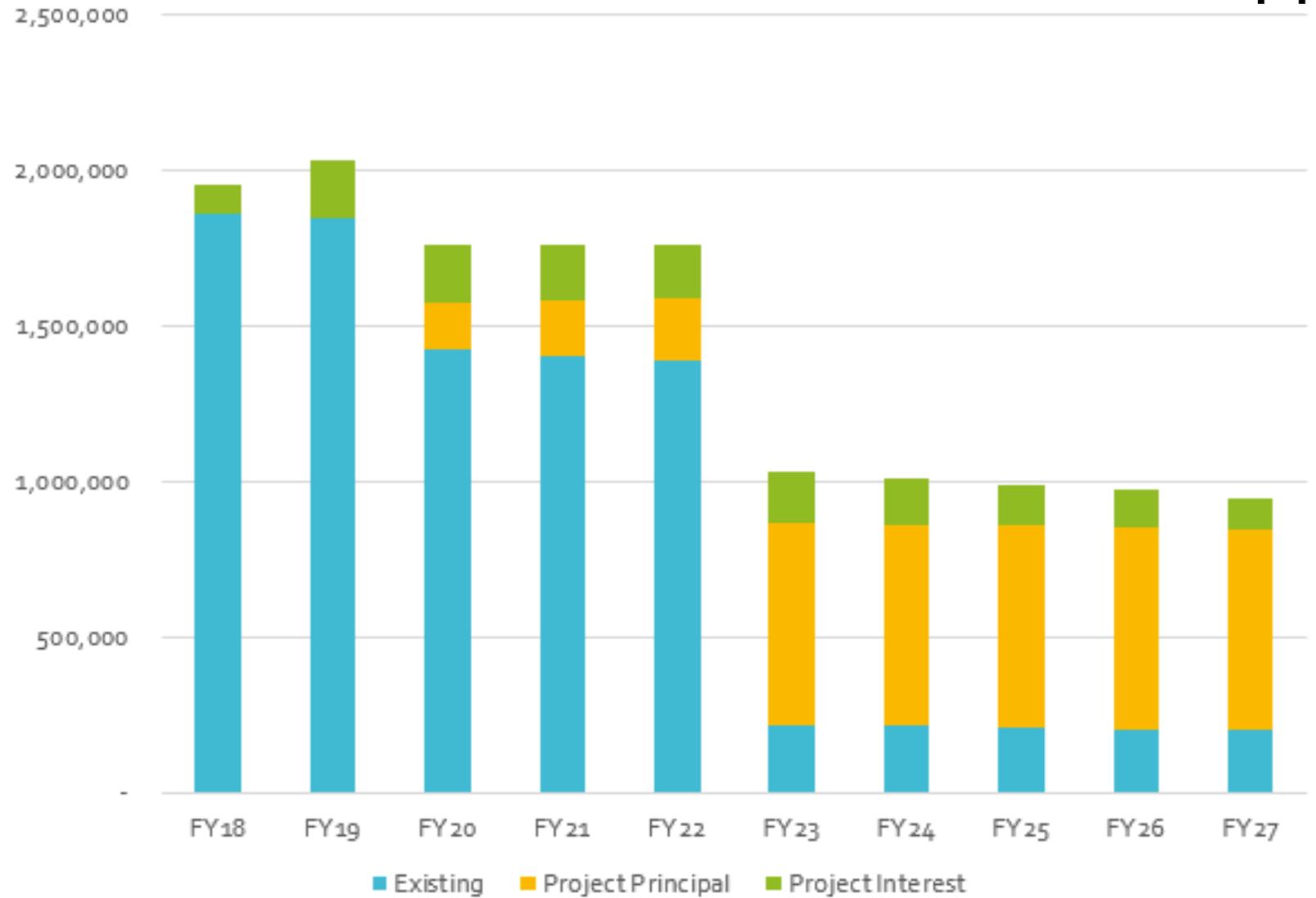
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The logo for AECOM, featuring the word "AECOM" in a bold, black, sans-serif font. The letter "E" is stylized with a horizontal bar that has a gradient from blue to green.The logo for HARRIS, featuring the word "HARRIS" in a bold, black, sans-serif font. The letter "A" is stylized with a red, upward-pointing arrowhead.

Debt Service Before



Debt Service After



Project Timeline

12

- Dec 2017 - Executed contract with Harris
- May and Aug 2018 - Detailed design reviews
- Nov 2018 - Factory acceptance testing
- Dec 2018 - Construction started on Greenfield sites
- Spring 2019 - All other tower leases have been secured with work progressing on other sites, subscriber units have been ordered
- May 2019 - subscriber unit installations begin
- June 2019 - all tower sites will be turned over to Harris
- Oct 2019 - System installation complete
- Nov 2019 - Mar 2020 - System testing, training, and cut-over
- April 2020 - Final system acceptance

When? Why? How? WHAT? WHERE? WHEN? What? HOW? Why? WHAT? Why? When? WHAT? WHEN? When? WHERE? Why? When? WHAT? Why? When? WHO? WHEN? WHERE? WHEN? What? HOW? WHERE? WHAT? WHEN? What? HOW? WHERE? What? WHEN? What? WHERE? Why? Why? HOW? Where? Where? WHERE? When? What? What? WHERE? When? What? WHEN? What? WHERE? Why? Why? WHEN? HOW? WHAT? Why?