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FOR IMMEDIATE RELEASE

Federal Engineering To Provide Lenoir County With Radio Coverage Assessments

FAIRFAX, VIRGINIA, July 2, 2018 — Lenoir County, North Carolina has engaged Federal Engineering, Inc. (**FE**) to evaluate their existing radio system and determine the best approach to improving coverage.

Mr. Dustin Burkett, Deputy Director, Fire Division Lenoir County Emergency Services said: “Lenoir County has engaged Federal Engineering to evaluate the coverage of our existing Motorola 800 MHz system, document coverage gaps, and recommend potential new sites to enhance coverage throughout the County. As the County’s radio consultant, **FE** will review existing system documentation, discuss coverage objectives with users, develop coverage maps of the existing system, identify areas of concern, review and discuss their findings with key stakeholders, and lead an onsite Coverage Workshop to interactively model with stakeholders the impact of adding potential new sites into the system.”

Mr. Travis LePage, **FE** Director, provided an overview of the project: “Portable and mobile coverage are the most important characteristics of a mobile radio network. An advanced digital network is of little value if the users cannot get to it due to unreliable coverage.” Recognizing this years ago, Federal Engineering made major investments and developed **FEPerformancePro™**, a powerful toolset used to accurately model radio network performance. **FEPerformancePro™** includes the following network analysis tools:

- **FECoverage™** – complete coverage analysis tool
- **FEMapper™** – high-resolution mapping tool
- **FENetwork™** – network capacity analysis tool
- **FEMitigate™** – system-wide interference analysis tool
- **FETeamCoverage™** – interactive user coverage workshop

FE will assess the existing coverage and deliver customized plots incorporating color schemes, topology, and roads as well as patrol, fire, and emergency response zones, and other characteristics unique to the County. We will then evaluate coverage improvements based upon the addition of new transmitter sites and model them interactively during a coverage workshop with the County.”

Federal Engineering is a leading, nationwide firm providing analysis, design, procurement, and implementation support for NG911, PSAPs, ECCs, and EOCs. These services complement **FE’s** wide range of consulting services in public safety and public service communications involving LTE as well as traditional VHF, UHF, 700 MHz, 800 MHz, 900 MHz, and 4.9GHz mobile radio systems. **FE** also supports FirstNet planning in anticipation of the Nationwide Public Safety Broadband Network. Since 1983, **FE** has completed thousands of communications projects for 46 state governments, as well as numerous local and federal government clients.

In addition to its public-sector work, Federal Engineering provides design and implementation support services for voice, data, and video networks used in the transportation, utilities, aerospace, finance, education, publishing, and computer services industries. **FE’s** certified independence ensures that clients receive objective, unbiased consulting services that are not influenced by any particular technology, product, vendor, or approach.