

Harnett County, North Carolina

Telecommunications Site Review Equipment Upgrade Application

CityScape

C O N S U L T A N T S , I N C .

7050 W. Palmetto Park Road #15-652

Boca Raton, FL 33433-3483

Tel: 877.438.2851 Fax: 877.220.4593

May 14, 2018

Mr. Jay Sikes
Planning, Central Permitting & Inspections
108 East Front Street
Lillington, NC 27546

**RE: Harnett County / #18-50043860
Verizon Wireless / Lillington**

Dear Mr. Sikes,

At your request, on behalf of the County of Harnett, North Carolina (County), CityScape Consultants, Inc. (CityScape), as telecommunications consultant for the County, has considered the application provided by Blue Wave Deployment, on behalf of Verizon Wireless (Applicant) to upgrade equipment on an existing, four hundred (400) foot *guyed* tower (425 feet to highest antenna). The structure is owned by American Tower Corporation and is located at 2315 US 421 North, Lillington, North Carolina. It is registered with the FCC (ASRN:1004806) for a height of 415 feet; the FAA approval shows 420 feet.

Currently, the Applicant has twelve (12) panel antennas, six (6) RRUs and two (2) surge suppressors at the three hundred forty-eight (348) foot level. It is proposed to add three (3) supports to each mount, remove three (3) antennas, replace six (6) antennas and add three (3) surge suppressors. Six (6) new hybrid feed lines will be added to the existing tow (2) hybrid and six (6) coaxial lines.

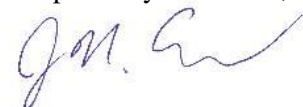
The Applicant provided the necessary FCC compliance statements regarding interference to other radio services and safeguards to human exposure of radio frequency energy in a previous letter dated, filed in an earlier application.

The Applicant provided a new structural analysis, prepared by American Tower Corporation, dated February 9, 2018 that states the tower capacity is adequate for the proposed changes. The previous analysis listed the tower loaded to 52%. It is not believed that the proposed changes will exceed the tower loading limits. However, any future changes should be studied with a full report to document the new values.

To qualify for the Middle-Class Tax Relief and Job Creation Act of 2012 a service provider cannot increase the height or girth of the support structure more than 10% or 20 feet, whichever is greater, and under NC Law, the ground compound can be expanded up to 2,500 square feet. Neither is applicable in this situation. Therefore, the proposed changes qualify for streamlined processing at staff level. CityScape recommends this application for approval.

I certify that to the best of my knowledge all the information included herein is accurate at the time of this report. CityScape only consults for public entities and has unbiased opinions. All recommendations are based on technical merits without prejudice per prevailing laws and codes.

Respectfully submitted,



Jonathan N. Edwards, P.E.
CityScape Consultants, Inc.