



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

November 23, 2020

Daniel Patrick, Esq.
Lucia Chiocchio, Esq.
Cuddy & Feder LLP
445 Hamilton Street, 14th Floor
White Plains, NY 10601

RE: **DOCKET NO. 494** - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located south of Chestnut Hill Road at the intersection with Grilley Road and Lyman Road (Parcel No. 101-1-5B), Wolcott, Connecticut.

Dear Attorneys Patrick and Chiocchio:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than December 1, 2020. To help expedite the Council's review, please file individual responses as soon as they are available. At this time, consistent with the Council's policy to prevent the spread of Coronavirus, please submit an electronic copy only to siting.council@ct.gov. However, please be advised that the Council may later request one or more hard copies for records retention purposes.

Copies of your responses shall be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

s/Melanie Bachman

Melanie Bachman
Executive Director

MB/MP

c: Service List dated November 19, 2020

Docket No. 494
Pre-Hearing Questions – AT&T
November 20, 2020
Set One

1. Estimate the total cost of New Cingular Wireless PCS, LLC's (AT&T) co-location on the proposed facility. Break down the total cost into categories that AT&T deems appropriate.
2. How would the cost of AT&T's co-location at the proposed site be recovered?
3. Referencing page 8 of the Application, which frequency bands would AT&T deploy at the proposed facility?
4. At which centerline height would AT&T install its antennas? Provide the number of panel antennas and other equipment (e.g. remote radio heads) that would be installed at this height.
5. What type of antenna mount would AT&T utilize for its proposed antennas? What is the structural design standard applicable to such antenna mount?
6. Provide a drawing similar to Sheet Z-1 of the Application that includes AT&T depicted on the tower elevation drawing and the site plan.
7. What measures would AT&T utilize at the site to ensure security and deter vandalism?
8. Pursuant to CGS §16-50p(a)(3)(G), identify the safety standards and/or codes by which equipment, machinery or technology that would be used or operated at the proposed facility by AT&T.

Coverage/Capacity

9. Provide existing coverage plots for each frequency band to be deployed by AT&T at the site. Provide a similar set of plots for each frequency band that include existing plus proposed coverage.
10. Identify distances and directions to AT&T's adjacent sites with which the proposed facility would hand off signals. Include addresses, tower types (e.g. monopoles), and AT&T's antenna centerline heights at these sites.
11. Provide a power density analysis for AT&T including, but not limited to, the following: number of channels per sector for each antenna system that would be installed on the proposed tower; ERP per channel for each antenna system; frequency at which each antenna system would operate; and indicate if a -10dB adjustment to account for antenna pattern is included or not.
12. Would AT&T's proposed co-location be needed for coverage, capacity, or both? Explain.
13. Would all of AT&T's frequencies be used to transmit voice and data?

14. Would AT&T's proposed co-location at the proposed facility provide 5G services?
15. What is the lowest height at which AT&T's antennas could achieve its wireless service objectives from the proposed site? What would be the consequences in terms of hand-off, coverage and/or capacity relief if the proposed tower was ten feet shorter, i.e. AT&T's antennas were located at a centerline height that is ten feet lower than proposed?
16. Could AT&T's required coverage and capacity upgrade needs, as applicable, be met by a series of small cell facilities or a distributed antenna system rather than the proposed macro tower facility?
17. What is the signal strength for which AT&T designs its system? For in-vehicle coverage? For in-building coverage?
18. What is the existing signal strength within the area AT&T is seeking to cover from this site?
19. Does AT&T have any statistics on dropped calls and/or ineffective attempts in the vicinity of the proposed facility? If so, what do they indicate? Does AT&T have any other indicators of substandard service in this area?
20. Please provide AT&T's proposed coverage areas and its proposed coverage distances over state roads (i.e. roads with a route number) for each frequency band that AT&T would deploy at the proposed facility. Also provide the existing coverage gap distances on state roads for each frequency band that AT&T would deploy at the proposed facility.
21. What nearby AT&T wireless facilities (or sectors) are nearing capacity limits? At what frequencies? Please include a projected exhaustion date for each of these sectors. Would the deployment of the proposed facility be sufficient to address AT&T's capacity concerns or would an additional facility be required in the near term to off-load traffic?

Backup power

22. Would AT&T utilize a backup generator? If yes, please respond to the following:
 - a) What is the fuel source for the backup generator?
 - b) If fueled by propane, what measures would AT&T implement or employ to ensure an adequate supply of backup power for the site in the event of a propane fuel shortage?
 - c) Would the backup generator have containment measures to protect against fluid leakage?
 - d) What would be the respective run time for AT&T's backup generator before it requires refueling, assuming it is running at full load under normal conditions?
 - e) Would the backup generator run periodically for maintenance purposes? If so, at what frequency and duration? Would this be scheduled for daytime hours?
 - f) Would the backup generator be managed to comply with Regulations of Connecticut State Agencies Section 22a-174-3b?

23. Would a battery backup (if applicable) be used by AT&T to provide uninterrupted power and prevent a reboot condition? How long could the battery backup alone supply power to the facility in the event that the generator fails to start?

Public Safety

24. Would AT&T's proposed facility support text-to-911 service? Is additional equipment required for this purpose?
25. Would AT&T's antennas comply with federal E911 requirements?
26. Would AT&T's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?
27. Would AT&T's proposed equipment at the proposed facility comply with Department of Energy and Environmental Protection noise control standards at the property boundaries?
28. Would an AT&T facility at this location provide FirstNet services?