



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

July 8, 2022

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
kbaldwin@rc.com

RE: **DOCKET NO. 510** – New Cingular Wireless PCS, LLC d/b/a AT&T and Tarpon Towers II, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 92 Greens Farms Road, Westport, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than July 22, 2022.

Please submit an original and 15 copies to the Council's office and an electronic copy to siting.council@ct.gov. In accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies, the Council requests all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the July 22, 2022 deadline.

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,

A handwritten signature in black ink, appearing to read "Melanie Bachman".

Melanie Bachman
Executive Director

MB/IN/laf

c: Service List dated July 7, 2022

Docket No. 510
Cellco Partnership d/b/a Verizon Wireless
Pre-Hearing Interrogatories
July 8, 2022
Set One

General

1. Provide details of the antennas and related equipment to be installed at the proposed facility.
2. What is the estimated cost of Cellco's equipment, including installation? Break down the total cost into categories that Cellco deems appropriate.
3. How would the cost of Cellco's installation/colocation at the proposed site be recovered?
4. Provide the number of remote radio heads that would be installed at this site.
5. What type of antenna mount will be used for the proposed antennas? What is the structural design standard applicable to such antenna mount?
6. 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 Cellco.

Site Search

7. When did Cellco commence a site search in the proposed service area?
8. Identify the approximate center and radius of Cellco's site search area.
9. Did Cellco examine other alternatives besides the proposed site? If yes, identify the locations and the reasons for their rejection.

Coverage/ Capacity

10. Provide a power density analysis 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. (indicate if a -10dB adjustment to account for antenna pattern is included in the analysis)
11. What is the signal strength for which Cellco designs its system? For in-vehicle coverage? For in-building coverage?
12. What is the existing signal strength within the area Cellco is seeking to cover from this site?

13. Does Cellco have any statistics on dropped calls and/or ineffective attempts in the vicinity of the proposed facility? If so, what do they indicate? Does Cellco have any other indicators of substandard service in this area?
14. How will the proposed site improve upon the existing wireless service in the area. Include data on additional road miles and additional coverage area footprint that would be served by the proposed facility.
15. What frequencies would be installed at the site? Would all frequencies provide both voice and data? Please explain.
16. Provide existing coverage gaps in miles for the proposed frequencies for the nearby portion of the Interstate 95, the Metro North Railroad and the surrounding local roads, the overall existing coverage footprints in square miles and the proposed coverage mileage and square miles as represented in the example below:

Street Name	700 MHz Coverage Gap	1900 MHz Coverage Gap	2100 MHz Coverage Gap
Route 2	2.5 miles	5 miles	4.5 miles
Route 32	1.0 mile	3 miles	2 miles
Route 87	0.5 mile	2.5 miles	1 mile
Interstate 395	2.5 miles	2.5 miles	2.5 miles
State Road Total	6.5 miles	13 miles	10 miles

Overall Coverage Footprint	49 square miles	6 square miles	7.5 square miles
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17. What is Cellco's existing and predicted coverage footprint from the proposed site (in square miles), at each frequency that would be installed?
18. Please provide the distances and directions to the adjacent sites with which the proposed facility would hand off signals. Include antenna centerline heights for Cellco at these sites.
19. What nearby 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 these capacity concerns, or would an additional facility be required in the near term to off-load traffic?
20. Can AT&T's coverage objectives be met by installing antennas at a lower tower height? Identify the lowest possible antenna height and describe how this height would affect coverage needs and/or capacity relief within the proposed service area.
21. Would flush-mounted antennas provide the required coverage? Would the flush-mount configuration result in reduced coverage and/or necessitate greater antenna height with multiple levels of antennas? Explain.
22. Would the deployment of the proposed facility be sufficient to address Cellco's capacity concerns or would an additional facility be required in the near term to off-load traffic?

23. Are any of the frequencies planned for installation at this facility capable of providing 5G services for Cellco's network? If so, identify the frequencies.

Backup power

24. Would Cellco install its own emergency backup generator?
25. What is the capacity (kW) of the proposed emergency backup generator?
26. Would Cellco's backup generator run periodically for maintenance purposes? If so, at what frequency and duration? Would this be scheduled for daytime hours?
27. Would Cellco's backup generator be managed to comply with Regulations of Connecticut State Agencies Section 22a-174-3b?
28. Would a battery backup (if applicable) be used by Cellco 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

29. Would Cellco's equipment support text-to-911 service? Is additional equipment required for this purpose?
30. Would Cellco's antennas comply with federal E911 requirements?
31. Would Cellco's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?