



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

July 8, 2022

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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 Attorneys Ball, Chiocchio and Motel:

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 are required to 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 cursive script, appearing to read "Melanie Bachman".

Melanie Bachman
Executive Director

c: Service List dated July 7, 2022

Docket No. 510
Tarpon Towers II, LLC and New Cingular Wireless PCS, LLC
Pre-Hearing Interrogatories
July 8, 2022

General

1. Referring to Application Exhibit D, of the letters sent to abutting property owners, how many certified mail receipts were received? If any receipts were not returned, which owners did not receive their notice? Describe any additional attempts to contact those property owners.
2. Pursuant to CGS §16-50o, please submit a copy of the unredacted lease for the proposed site.
3. Referring to Application p. 46, how is the construction cost of the facility recovered for both Tarpon and AT&T?
4. Referring to Application p. 43, how many residents attended the February 8, 2022, public information meeting? What concerns were raised by residents and town officials and how were these concerns addressed?

Site Search

5. When did AT&T commence a site search for the proposed service area? Identify the approximate center and radius of AT&T's site search area.
6. When did Tarpon commence a site search in the proposed service area?
7. Referring to Application Exhibit F Site Search Summary, it states Location 4 (300 Sherwood Island Connector) and Location 10 (200 Nyala Farms) were rejected by AT&T's RF engineers. What heights were modeled at these locations?
8. Referring to Application Exhibit F Site Search Summary, please provide the distances of the other 9 sites investigated from the proposed site.

Site/Tower

9. What is the distance from the proposed tower center to the residence on the host property?
10. What is the distance from the proposed tower center to the shoulder/curb of Interstate 95?
11. Is the tower being designed with a yield point?
12. How many residences are located within a 1,000-foot radius of the proposed site?
13. Would any blasting be required to develop the site?
14. Would the tower be designed for EIA/TIA-222 structural standards version G, H, or both?

15. What is the maximum wind speed tolerance for antennas & microwave dishes on the proposed monopole?
16. What type of antenna mount will be used for the proposed antennas? What is the structural design standard applicable to such antenna mount?
17. Referencing page 35 of the Application, during the municipal consultation, did the Town suggest any camouflage designs or paint colors for the proposed tower?
18. Would the tower and foundation be designed to accommodate an increase in tower height?
19. What would be the design of the fence?
20. Referencing Application Exhibit L, the Wetland Inspection map indicates a 20-foot wide access and utility easement. However, the rest of the application indicates a proposed 25-foot wide access easement. Please clarify.
21. What measures are proposed for the site to ensure security and deter vandalism? (Including alarms, gates, locks, anti-climb fence design, etc.)
22. 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.
23. Has the host municipality or any other entity expressed an interest in co-locating emergency services antennas? Have any other wireless carriers {other than Verizon} expressed an interest in co-locating on the proposed facility to date?
24. Does the proposed site contain any Farmland Soils? If so, what acreage of farmland soils would the facility and associated equipment be located on?

AT&T Coverage/Capacity

25. Provide the number of channels per sector for each antenna system that would be installed on the proposed tower.
26. Are all frequencies used to transmit voice and data?
27. Would the proposed antennas be capable of offering 5G services? If yes, at what frequencies? ‘
28. Provide coverage models for existing and proposed 1900 MHz, 2100 MHz and 3500 MHz services.
29. 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.
30. Could AT&T’s required coverage and capacity needs be met by a series of small cell facilities or a distributed antenna system rather than the proposed macro tower facility?

31. What is the signal strength for which AT&T designs its system? For in-vehicle coverage? For in-building coverage?
32. What is the existing signal strength within the area AT&T is seeking to cover from this site?
33. 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?
34. 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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35. What is AT&T's existing and predicted coverage footprint from the proposed site (in square miles), at each frequency that would be installed?
36. 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?
37. Once the proposed site is on-line and providing capacity relief to adjacent sites, what would be the effective service area for the 700 MHz frequency? Would parts of overlapping service be handled by the existing sites, thus lessening the effective service area of the proposed site? Please explain.
38. 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.

Backup Power

39. What is the capacity (kW) of the proposed emergency backup generator?
40. Would the emergency backup generator be shared among all tenants on the proposed facility? Explain.

41. Would a battery backup (if applicable) be used 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?
42. Would AT&T's backup generator run periodically for maintenance purposes? If so, at what frequency and duration? Would this be scheduled for daytime hours?
43. Would AT&T's backup generator be managed to comply with Regulations of Connecticut State Agencies Section 22a-174-3b?

Public Safety

44. Would the proposed facility support text-to-911 service? Is additional equipment required for this purpose?
45. Would AT&T deploy FirstNet services at the proposed site? Would this deployment require additional equipment? Explain.

Environment

46. Referring to Application Attachment 8 - Visibility Assessment, estimate the number of residences that would have seasonal and/or year-round views within 0.5 miles of the proposed tower.
47. What, if any, stealth tower design options would be feasible to employ at this site? Please provide costs related to each stealth tower design.
48. Please submit photographic site documentation with notations linked to the site plans or a detailed aerial image that identifies locations of site-specific and representative site features. The submission should include photographs of the site from public road(s) or publicly accessible area(s) as well as Site-specific locations depicting site features including, but not necessarily limited to, the following locations as applicable:

For each photo, please indicate the photo viewpoint direction and stake or flag the locations of site-specific and representative site features. Site-specific and representative site features include, but are not limited to, as applicable:

1. wetlands, watercourses and vernal pools;
2. forest/forest edge areas;
3. agricultural soil areas;
4. sloping terrain;
5. proposed stormwater control features;
6. nearest residences;
7. site access and interior access road(s);
8. tower location/compound;
9. clearing limits/property lines;
10. mitigation areas; and
11. any other noteworthy features relative to the Project.

A photolog graphic must accompany the submission, using a site plan or a detailed aerial image, depicting each numbered photograph for reference. For each photo, indicate the photo location number and viewpoint direction, and clearly identify the locations of site specific and representative site features shown (e.g., physical staking/flagging or other means of marking the subject area).

The submission shall be delivered electronically in a legible portable document format (PDF) with a maximum file size of <20MB. If necessary, multiple files may be submitted and clearly marked in terms of sequence.