



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

June 16, 2014

Daniel M. Laub, Esq
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601

RE: **DOCKET NO. 449** – Message Center Management and New Cingular Wireless PCS, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at Redding Tax Assessor Map 23, Lot 72, Redding Ridge Fire Department, 186 Black Rock Turnpike, Redding, Connecticut.

Dear Attorneys Laub and Fisher:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than July 3, 2014. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office, as well as send a copy via electronic mail. 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 is requesting that 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.

Copies of your responses shall be provided to all parties and intervenors listed on the service list, which can be found on the Council's pending proceedings website.

Yours very truly,

Melanie Bachman
Acting Executive Director

MB/MP

c: Parties and Intervenors

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Docket No. 449
Pre-Hearing Questions
June 13, 2014
Set One

1. When was New Cingular Wireless PCS, LLC's (AT&T) search ring first initiated for a tower in this area? What was the approximate radius of AT&T's search ring for this area? Provide the longitude and latitude coordinates of the center of the search ring. Show the search ring on a map.
2. Did AT&T investigate any raw land sites for a new tower? If yes, list those sites and the reason(s) such sites were rejected.
3. 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? Were any additional attempts made to contact those property owners such as via first class mail?
4. Would the tower be designed for EIA/TIA-222 structural standards version F, G, or both? What is the tower design wind speed for this area (Fairfield County)?
5. Is EIA/TIA-222 version F (EIA version F) the current mandatory (minimum) standard in Connecticut because the Connecticut State Building Code currently adopts the 2003 International Building Code (2003 IBC) and the 2003 IBC adopts EIA version F? Explain.
6. Would the tower's setback radius encroach on any adjoining properties? If so, state the distance of the encroachment and who owns these properties. Could the tower be designed with a yield point to ensure that the setback radius remains within the boundaries of the subject property?
7. Would the tower and foundation be designed such that the tower could be expanded in height?
8. How many additional wireless carriers could the proposed compound accommodate besides AT&T and Cellco Partnership d/b/a Verizon Wireless (Cellco)?
9. Would the proposed compound fence have barbed wire?
10. Message Center Management's (MCM) cost data is listed on pages 28 and 29 of the Application. Does MCM's cost data add up to \$333,000?
11. Is the existing lattice tower attached to concrete piers that extend above ground level? If yes, provide the actual tower height and the pier height to compute the total tower height in feet above ground level.
12. What type of antenna mount will be used for the proposed antennas, e.g. low-profile platform?
13. Proposed specifications sheet(s) for the proposed antennas.
14. Would flush-mounted antennas or antennas attached to the tower at the proposed height via T-arms provide the required coverage? Would either configuration result in reduced coverage and/or necessitate greater antenna height with multiple levels of antennas? Explain.
15. Besides the proposed panel antennas, would AT&T install any remote radio heads or diplexers or other equipment on its antenna platform? Explain.

16. Would AT&T's equipment shelter have a light fixture installed on the outside wall? What type of lighting would be utilized? When would the light be on?
17. What measures are proposed for the site to ensure security and deter vandalism? (This would include but not be limited to alarms, gates, locks, etc.)
18. AT&T's power density analysis is provided under Tab 4 of the Application. Does MCM have the power density data for the fire department antennas to be relocated onto the proposed tower? If yes, provide the power density analysis for the fire department antennas at the proposed antenna height(s).
19. Which frequencies are AT&T licensed to utilize in Fairfield County?
20. Would AT&T provide 700 MHz, 850 MHz, and 1900 MHz service from the proposed tower? Would all three be provided initially or, for example, would 850 MHz and 1900 MHz be provided initially and 700 MHz would be provided in the future? Explain.
21. Would the proposed site be needed for coverage, capacity, or both? Explain.
22. Are all frequencies used to transmit voice and data?
23. What is the lowest height at which AT&T's antennas could achieve its coverage objectives from the proposed site?
24. What is the signal strength for which AT&T designs its system? Also include in-vehicle and in-building thresholds if applicable.
25. What is the existing signal strength within the area AT&T is seeking to cover from this site?
26. 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?
27. In the Radio Frequency Analysis Report (RF Report) under Tab 1 of the Application, AT&T included an existing coverage plot and an existing and proposed coverage plot for 850 MHz. Provide similar plots for 700 MHz and 1900 MHz or other frequencies as applicable. Also provide a replacement existing coverage plot for 850 MHz identifying the proposed site location on the plot.
28. Of the existing sites noted on page 8 of the RF Report, indicate which ones that the proposed site would interact with to hand off signals. If AT&T's proposed facility would interact with any other sites not listed, include those also.
29. Provide propagation maps showing existing plus proposed coverage at an antenna height that is ten feet shorter than proposed for 700 MHz, 850 MHz, and 1900 MHz or as applicable.
30. Provide the lengths of the coverage gaps on the primary roads that AT&T is seeking to cover from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, and 1900 MHz or as applicable.

31. Provide the lengths of the coverage gaps on the secondary roads that AT&T is seeking to cover from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, and 1900 MHz or as applicable.
32. Provide the lengths of the coverage that AT&T would provide along primary roads from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, and 1900 MHz or as applicable. Also provide such data assuming that the tower is ten feet shorter.
33. Provide the lengths of the coverage that AT&T would provide along secondary roads from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, and 1900 MHz or as applicable. Also provide such data assuming that the tower is ten feet shorter.
34. What is the predicted coverage footprint from the proposed site (in square miles), at each frequency used by AT&T? Also, provide such coverage footprints assuming that the tower is ten feet shorter.
35. Does the fire department have an existing backup generator? Would the proposed tower facility share the existing generator at the fire department for backup power? Or if the existing generator would be replaced or upgraded, please indicate that as well. If the fire department's generator would be utilized for the proposed tower facility, provide the size of the generator in kilowatts.
36. What is the fuel source, amount of fuel storage, and estimated run time for the backup generator before it would need to be refueled?
37. Would AT&T also provide battery backup to provide seamless uninterrupted power (in order to prevent a reboot condition) while the backup generator starts? If the generator fails to start, approximately how many hours could the battery backup power AT&T's equipment?
38. Has AT&T considered using a fuel cell as a backup power source for the proposed site? Explain.
39. Identify the safety standards and/or codes which govern the equipment, machinery, or technology to be used or operated at the proposed facility.
40. Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?
41. Is AT&T aware of any Public Safety Answering Points in the area of the proposed site that are able to accept text-to-911?
42. Provide the status of the Connecticut Department of Energy and Environmental Protection (DEEP) and the State Historic Preservation Office (SHPO) review of the proposed site.
43. Is the proposed site near an "Important Bird Area" as designated by the National Audubon Society?
44. Would AT&T's proposed facility comply with recommended guidelines of the United States Fish and Wildlife Service for minimizing the potential for telecommunications towers to impact bird species?
45. What, if any, stealth tower design options would be feasible to employ at this site?

46. What is the cumulative noise level that MCM expects at the nearest property line from the proposed facility taking into account all four proposed air conditioning units (i.e. two for AT&T and two for Cellco)?
47. Would any blasting be required to develop the site?
48. Is the proposed site located within a 100-year or 500-year flood zone? Provide a Federal Emergency Management Agency flood map with the proposed site identified on the map.
49. Provide a Functions and Values assessment of Wetland 1.