



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

June 16, 2014

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

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 Attorney Baldwin:

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. Does Cellco Partnership d/b/a Verizon Wireless (Cellco) have a search ring in the vicinity of the proposed tower? If yes, when was the search ring first initiated for a site in this area? What was the approximate radius of Cellco'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. Does Cellco have a lease with Message Center Management Inc. in order to co-locate on the tower?
3. How many antennas would Cellco install on the tower?
4. What type of antenna mount will be used for the proposed antennas, e.g. low-profile platform?
5. Provide specifications sheet(s) for the proposed antennas.
6. 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.
7. Besides the proposed panel antennas, would Cellco install any remote radio heads or diplexers or other equipment on its antenna platform? Explain.
8. Would Cellco'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?
9. What measures are proposed for Cellco's equipment to ensure security and deter vandalism? (This would include but not be limited to alarms, gates, locks, etc.)
10. Which frequencies are Cellco licensed to utilize in Fairfield County?
11. List the frequency bands that Cellco would utilize at this site, e.g. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or as applicable, and include the corresponding technology acronyms as applicable, e.g. LTE, CDMA, etc.
12. What is the total estimated cost for antennas and equipment for Cellco? This would be analogous to the data that New Cingular Wireless PCS, LLC (AT&T) provided on page 29 of the Application.
13. Provide a power density analysis for Cellco's proposed antenna array and include the following information: number of channels per sector for each antenna system that would be installed on the proposed tower, ERP per channel for each antenna system, and frequency at which each antenna system would operate.
14. 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?

15. Page 1 of the Application indicates that the purpose of the proposed facility is to allow AT&T to "...provide services in the vicinity of Blackrock Turnpike and other local roads, schools, and homes in the Redding Ridge area." Does that quote also apply to Cellco? If necessary, modify that quote to indicate Cellco's purpose for co-locating at the facility.
16. Would Cellco's antennas comply with federal E911 requirements?
17. Identify distances and directions to the adjacent sites with which the proposed facility would hand off signals. Include addresses of these sites, tower/structure type e.g. monopole, tower/structure heights, Cellco's existing antenna centerline heights, and distances and directions from the proposed tower.
18. Would the proposed site be needed for coverage, capacity, or both? Explain.
19. Are all frequencies used to transmit voice and data?
20. What is the lowest height at which Cellco's antennas could achieve its coverage objectives from the proposed site?
21. What is the signal strength for which Cellco designs its system? Also include in-vehicle and in-building thresholds if applicable.
22. What is the existing signal strength within the area Cellco is seeking to cover from this site?
23. 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?
24. Provide existing coverage plots for 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or other frequencies as applicable. Also provide the existing plus proposed coverage plots for same frequencies.
25. Provide propagation maps showing existing plus proposed coverage at an antenna height that is ten feet shorter than proposed for 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or as applicable.
26. Provide the lengths of the coverage gaps on the primary roads that Cellco is seeking to cover from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or as applicable.
27. Provide the lengths of the coverage gaps on the secondary roads that Cellco is seeking to cover from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or as applicable.
28. Provide the lengths of the coverage that Cellco would provide along primary roads from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or as applicable. Also provide such data assuming that the tower is ten feet shorter.
29. Provide the lengths of the coverage that Cellco would provide along secondary roads from the proposed site at the proposed frequencies, e.g. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz or as applicable. Also provide such data assuming that the tower is ten feet shorter.

30. What is the predicted coverage footprint from the proposed site (in square miles), at each frequency used by Cellco? Also, provide such coverage footprints assuming that the tower is ten feet shorter.
31. Would Cellco share the fire department's backup generator or share a generator with AT&T or utilize its own backup generator? Explain. Where would the backup generator that would serve Cellco be located?
32. What is the fuel source, amount of fuel storage, and run time for the backup generator before it is refueled?
33. Would Cellco 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 Cellco's equipment?
34. Has Cellco considered using a fuel cell as a backup power source for the proposed site? Explain.
35. Identify the safety standards and/or codes by which equipment, machinery, or technology would be used or operated at the proposed facility.
36. Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?
37. Is Cellco aware of any Public Safety Answering Points in the area of the proposed site that are able to accept text-to-911?