



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

May 9, 2017

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

RE: **DOCKET NO. 472** - 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 at Bridgeport Tax Assessor's Map 85, Block 2805, Lot 29, 541 Broadbridge Road, Bridgeport, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than May 23, 2017. 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.

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.

Yours very truly,

Melanie Bachman
Executive Director

MB/MP

c: Parties and Intervenors
Council Members

Docket No. 472
Pre-Hearing Questions
May 9, 2017
Set One

1. Referencing page 11 of Cellco Partnership d/b/a Verizon Wireless' (Cellco) Application, was the search ring first established in June 2011? What was the approximate radius of Cellco's search ring for this area? Provide the approximate longitude and latitude coordinates of the center of the search ring for this area. Why was the search ring process put on hold for approximately three years? Was the re-activated search ring in 2014 the same as the one from 2011?
2. 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, e.g. via First Class Mail?
3. Explain why the northeastern corner of the subject property was selected for the proposed facility in light of the abutting residential properties to the north and northeast. Could the facility be located on a different location on the subject property? Did Cellco consider a rooftop facility?
4. Under Tab 8 of the Application, Cellco noted the site alternatives it investigated. Describe the process that Cellco utilizes to investigate such sites. How did Cellco determine "No landlord interest" for seven of these sites?
5. Has Cellco considered other tower designs such as a monopole or other stealth tower designs such as a sign? Explain.
6. Would the tower be designed with a yield point to ensure that the tower setback radius remains within the boundaries of the subject property?
7. What is the tower design wind speed for this area (Fairfield County)?
8. What color would the tower finish be, e.g. white, galvanized steel gray, etc.?
9. Would the proposed flagpole tower have a flag? If no, explain why not.
10. What measures are proposed for the site to ensure security and deter vandalism, e.g. alarms, gates, locks, etc.?
11. While the proposed compound fence would have two-inch mesh, would the proposed privacy slats function as both a visual barrier and an anti-climbing feature?
12. Would any blasting be required to develop the site?
13. Would the proposed facility support text-to-911 service? Would any additional equipment be required for this purpose?
14. Is Cellco aware of any Public Safety Answering Points in the area of the proposed site that are able to accept text-to-911?

15. Of the adjacent existing sites identified on page 8 of the Application, which of these sites would the proposed facility interact with to hand off signals? Provide the structures heights, antenna centerline heights, and tower types (e.g. monopole) for these facilities.
16. Would Cellco initially provide service for all four frequency bands (i.e. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz) at the proposed facility, or would it deploy certain frequency bands initially and others in the future? Explain.
17. Are all frequencies used to transmit voice and data?
18. What is the signal strength for which Cellco designs its system? For in-vehicle coverage? For in-building coverage?
19. What is the existing signal strength within the area Cellco is seeking to cover from this site?
20. 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?
21. The Executive Summary of the Application notes that Cellco's North Bridgeport 2 and Trumbull II cell sites are currently operating at or near their capacity limits. Please include a projected exhaustion date for both of these sites. 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?
22. Are 92 feet and 82 feet above ground level (agl) the minimum heights at which Cellco's antennas could achieve its coverage objectives?
23. Similar to the propagation maps provided in the Application, submit propagation maps for all four frequency bands (i.e. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz) assuming that the tower is ten feet shorter than proposed (i.e. antennas are installed at centerline heights of 82 feet and 72 feet agl).
24. On page 8 of the Application, Cellco provided the proposed coverage distances for Route 8, Huntington Turnpike and Broadbridge Road. Provide the individual coverage gaps for these three roads based on each of the four frequency bands (i.e. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz).
25. Provide the sum of the coverage gaps for all secondary roads (i.e. other than Route 8, Huntington Turnpike, and Broadbridge Road) that the proposed facility would cover based each of the four frequency bands (i.e. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz).
26. Provide the proposed sum of coverage distances for all secondary roads (i.e. other than Route 8, Huntington Turnpike, and Broadbridge Road) that the proposed facility would cover based on 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz at the proposed antenna heights. Provide similar data assuming that the tower is ten feet shorter in height.
27. On page 8 of the Application, Cellco provided the proposed coverage areas based on the four frequency bands (i.e. 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz). Provide these coverage areas assuming that the tower is ten feet shorter in height.

28. Provide an estimate of the residential population living within the area that would be covered from the proposed facility.
29. Provide an estimated traffic count for those portions of Route 8, Huntington Turnpike and Broadbridge Road that would be covered from the proposed facility.
30. Could the required coverage and capacity upgrade needs be met by a series of small cell facilities or a distributed antenna system instead of the proposed macro tower facility? If small cells are feasible, approximately how many would be required, assuming optimum placement?
31. Barring a mechanical breakdown or necessary shut-down for required maintenance, in the event of a commercial power outage, would the natural gas-fueled generator have essentially an unlimited run time because the fuel is pipeline supplied?
32. Page 7 of the Application states, "The back-up generator would be used to recharge the batteries." If the generator failed to start, about how long could the batteries alone supply power to Cellco's proposed telecommunication facility?
33. In the event of a commercial power outage, would the battery backup system provide uninterrupted power and thus prevent a "reboot" condition?
34. Is the proposed backup generator sized for Cellco's needs only? If yes, is Cellco amenable to reserving space for a future larger shared generator in the event that another wireless carrier or municipality co-locates on the proposed tower?
35. Would the backup generator run periodically for maintenance purposes, e.g. twenty minutes per week? If yes, could this be scheduled during daytime hours rather than nighttime hours?
36. Would the backup generator have containment measures to protect against oil or coolant leakage? For example, would it have a double-walled fuel tank and a recessed floor under the engine compartment?
37. Identify the safety standards and/or codes by which equipment, machinery, or technology would be used or operated at the proposed facility.
38. Is the only State-designated Scenic Road within the 2-mile viewshed area the Merritt Parkway (Route 15)? Are there any locally-designated scenic roads within the viewshed area?
39. Is the proposed site near an "Important Bird Area" as designated by the National Audubon Society? Where is the nearest IBA (i.e. distance and direction from the proposed facility)? Would the proposed project adversely impact the nearest IBA?
40. Would Cellco'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?
41. Referencing the "Preliminary Historic Resources Determination" under Tab 12 of the Application, to date, has Cellco submitted the applicable historic documentation to the State Historic Preservation Office (SHPO)? If yes, provide a copy of SHPO's response if it is available.

42. Referencing the "Preliminary USFWS & CTDEEP Compliance Determination" under Tab 10 of the Application, to date, has Cellco received a response from the Connecticut Department of Energy and Environmental Protection (DEEP) regarding the Natural Diversity Database? If yes, provide a copy of such DEEP response.