



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

February 21, 2014

Lucia Chiocchio, Esq.
Christopher B. Fisher, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601

RE: **DOCKET NO. 444** – 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 the FirstLight Hydro Generating Company property, New Milford Tax Assessor Map 83, Lot 4, Kent Road, New Milford, Connecticut.

Dear Attorneys Chiocchio and Fisher:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than March 7, 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

Docket No. 444
Pre-Hearing Questions
February 21, 2014
Set One

1. 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?
2. Pursuant to CGS §16-50o, please submit a copy of the lease for the proposed site.
3. What is the address of the nearest residence outside of the host property?
4. Quantify the amounts of cut and fill that would be required to develop the proposed facility.
5. Would any blasting be required to develop the site?
6. Is the proposed site located within a 500-year flood zone?
7. What is the tower design wind speed for this area (Litchfield County)?
8. What type of antenna mount will be used for the proposed antennas?
9. Would the tower be designed to be expandable in height? If yes, indicate the how much taller the tower could be expanded in height.
10. Would AT&T's antennas comply with federal E911 requirements?
11. Identify distances and directions to the adjacent sites with which the proposed facility would hand off signals. Include addresses, structure types (e.g. monopole), structure heights, and AT&T's antenna heights at these sites.
12. Which frequencies are AT&T licensed to utilize in Litchfield County?
13. Are all frequencies used to transmit voice and data?
14. What is the lowest height at which AT&T's antennas could achieve its coverage objectives at the proposed site? Submit propagation maps showing the coverage at ten and twenty feet below these heights.
15. What is the signal strength for which AT&T designs its system? For in-vehicle coverage? For in-building coverage?
16. What is the existing signal strength within the area AT&T is seeking to cover from this site?
17. 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?
18. Would the tower be needed for coverage, capacity, or both? Explain.

19. Would AT&T provide both cellular and PCS services initially or cellular first and PCS in the future? When would LTE service be provided, if applicable? Explain.
20. What are the lengths of the individual coverage gaps on major roads that AT&T is seeking to cover from the proposed site at cellular frequencies? At PCS frequencies? At LTE frequencies?
21. Provide similar data as requested in question 20 for secondary roads. However, the total sum of the gaps on secondary roads can be provided in lieu of the individual gaps by road.
22. Provide the lengths of the proposed coverage of any major roads that AT&T seeks to provide coverage to based on the tower's proposed height, as well as ten and twenty feet shorter for cellular, PCS, and LTE frequencies as applicable. Provide similar data for secondary roads; however, the total sum of the coverage lengths of secondary roads may be provided in lieu of individual coverage lengths by road.
23. What is the predicted coverage footprint from the proposed site (in square miles), at each frequency used by AT&T? Provide this data for antenna heights ten and twenty feet shorter.
24. What was the approximate radius of AT&T's search ring for this area? Where is the approximate center of the search ring located? Provide the approximate longitude and latitude coordinates of the center of the search ring.
25. In the Site Search Summary, would the site at 774 Kent Road meet AT&T's coverage objectives?
26. Has AT&T considered co-locating on any electric transmission structures in the vicinity of the FirstLight Hydro Generating facility?
27. Did AT&T model the Evans Hill Road, Sherman facility at antenna heights higher than 120 feet? Could the tower meet coverage objectives at higher heights up to 190 feet?

Backup power and safety standards/codes

28. What would be the respective run time for AT&T's propane generator before it would need to be refueled, assuming it is running at full load?
29. Could the proposed generator be shared by other carriers that may locate at the proposed facility? What effect would a shared generator have on the run time of the generator if at full load?
30. Would there be any interruption in service between the time power goes out and the generator comes online? For example, would AT&T provide battery backup to prevent a reboot condition and provide seamless power until the generator starts? If AT&T has a battery backup system, how many hours could it supply power in the event that the generator fails to start?
31. Has AT&T considered using a fuel cell as a backup power source for the proposed site? Explain.

32. What size backup generator fuel tank would be necessary to satisfy a potential need for a minimum of 48 hours of runtime for AT&T? What size generator and fuel tank would be needed if two carriers were to share the generator and both required 48 hours of runtime? What if the generator were also shared with Town/emergency equipment?
33. What size concrete pad or equivalent would be needed to accommodate a backup generator for AT&T approximately 50 kW? What size concrete pad or equivalent would be needed to accommodate a shared backup generator approximately 200 kW?
34. Please provide the cost of a 50 kW backup generator. Please provide the cost of a 200 kW shared backup generator.
35. Identify the safety standards and/or codes by which equipment, machinery, or technology would be used or operated at the proposed facility.

Environment

36. Would either tower be visible from any hiking trails within two mile radius area used for the visibility analysis
37. What, if any, stealth tower design options would be feasible to employ at this site?
38. 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.
39. What is the expected cumulative noise level at the nearest property line from the proposed facility assuming the generator and air conditioning units are running at the same time? Provide a similar analysis only taking into account the air conditioning units.
40. Please provide a Functions and Values assessment of Wetland 1.