



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

October 30, 2014

Lucia Chiocchio, Esq.  
Christopher B. Fisher, Esq.  
445 Hamilton Avenue, 14<sup>th</sup> Floor  
White Plains, NY 10601

RE: **DOCKET NO. 452** - Homeland Towers, LLC 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 Salisbury Tax Assessor Map 16 Lot 5, 250 Canaan Road, Salisbury, Connecticut.

Dear Attorneys Chiocchio and Fisher:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than November 13, 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. 452**  
**Pre-Hearing Questions**  
**October 30, 2014**  
**Set One**

1. When were the search rings for Homeland Towers, LLC (HT) and New Cingular Wireless PCS, LLC (AT&T) collectively the Applicant (Applicant) established? Provide the approximate radii of HT's and AT&T's search rings for this area. Provide the longitude and latitude coordinates of the centers of the search rings.
2. Of the letters sent to abutting property owners, how many certified mail receipts were received? If any receipts were not returned, which owner(s) did not receive their notice(s)? Were any additional attempts made to contact those property owners?
3. 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?
4. Would the tower be expandable in height beyond the originally proposed height?
5. What type of antenna mounts would be used for AT&T's proposed antennas, e.g. low-profile platform mount?
6. Besides the proposed panel antennas, would AT&T install any remote radio heads or diplexers or other equipment on its antenna mounts? Explain.
7. What is the grade of the proposed access road? (Average grade, maximum grade or range of grades is acceptable.)
8. Which frequencies are AT&T licensed to utilize in Litchfield County?
9. Which frequency band services would AT&T install at the proposed site, e.g. 700 MHz, 850 MHz, 1900 MHz, etc.? Would all of these frequencies be provided initially, or would some be provided initially and others deployed in the future at this particular site? Explain.
10. Of the existing sites noted on page 9 of the Radio Frequency Analysis Report (RF Report), indicate which ones that the proposed site would interact with to hand off signals. If AT&T's proposed antennas would interact with any other sites not listed, include those also. Also include the tower/structure heights of such facilities.
11. Would the proposed tower provide any additional coverage to Mount Riga State Park in northern Salisbury? If yes, provide coverage plots of that area and indicate how the proposed tower height and ten feet shorter would affect coverage to the park.
12. Would the proposed tower provide any coverage to the water (not land) areas of Twin Lakes (i.e. Lakes Washinec and Washining)? If yes, provide coverage plots of that area and indicate how the proposed height and ten feet shorter would affect the coverage to the lakes.
13. Would any blasting be required to develop the site?
14. Is the proposed site located within a 100-year or 500-year flood zone?

15. 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?
16. Would the proposed compound fence have barbed wire?
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. Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?
19. Are you aware of any Public Safety Answering Points in the area of the proposed site that are able to accept text-to-911?
20. Would the proposed site be needed for coverage, capacity, or both? Explain.
21. Are all frequencies used to transmit voice and data?
22. What is the lowest height at which AT&T's antennas could achieve its coverage objectives from either of the proposed sites?
23. What is the signal strength for which AT&T designs its system? For in-vehicle coverage? For in-building coverage?
24. What is the existing signal strength within the area AT&T is seeking to cover from this site?
25. 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?
26. Provide the lengths of the existing coverage gaps on major roads that AT&T is seeking to cover from the proposed site at each frequency used by AT&T. Break this down by street name and include the town(s) that the streets are located in.
27. Provide the lengths of the existing coverage gaps on secondary roads that AT&T is seeking to cover from the proposed site at each frequency used by AT&T. Break this down by street name and include the town(s) that the streets are located in.
28. What is the total (not incremental) predicted coverage footprint from the proposed site (in square miles), at each frequency used by AT&T? Provide such data for the proposed antenna height and ten feet shorter.
29. In the RF Report under Tab 1 of the Application, AT&T included an existing coverage plot and an existing and proposed coverage plot for 700 MHz and 1900 MHz. Provide similar plots for 850 MHz or other frequencies as applicable.
30. 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, or as applicable.
31. 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, 1900 MHz, or as applicable. Also provide such data assuming that the tower is ten feet shorter.

32. 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, 1900 MHz, or as applicable. Also provide such data assuming that the tower is ten feet shorter.
33. If the worst-case power density analysis under Tab 7 of the Application was performed without the nominal 10 dB off-beam pattern loss, would the total percent maximum permissible exposure be approximately 24.1 percent?
34. Page 5 of the RF Report provides the population living within the incremental coverage area for 700 MHz and 1900 MHz. Provide similar data for 850 MHz or other frequencies as applicable.
35. Is the Applicant proposing to install a backup generator only large enough for AT&T's needs at this time? If yes, would the Applicant consider reserving space in the fenced compound for a future shared generator should additional carriers co-locate on the tower?
36. What is the fuel source for the proposed backup generator? What is the size of the generator in kilowatts? Provide the estimated run time for the generator based on its fuel tank capacity.
37. 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?
38. 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?
39. What size concrete pad or equivalent would be needed to accommodate a backup generator for AT&T approximately 50 kW in capacity? What size concrete pad or equivalent would be needed to accommodate a shared backup generator approximately 200 kW in capacity?
40. Please provide the cost of a 50 kW backup generator. Please provide the cost of a 200 kW shared backup generator.
41. Has AT&T considered using a fuel cell as a backup power source for the proposed site? Explain.
42. Identify the safety standards and/or codes by which equipment, machinery, or technology would be used or operated at the proposed facility.
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. Sheet SP-2 shows an average tree canopy of approximately 85 feet high. However, the Viewshed Map shows an existing tree canopy height of approximately 65 feet. Is the average tree height

over a two-mile radius closer to 65 feet, and the trees adjacent to the tower are taller and average 85 feet, or was the viewshed analysis performed at 65 feet to be conservative? Explain.

46. What, if any, other stealth tower design options would be feasible to employ at this site?
47. Given the taper of the faux tree material, would the top antenna platform (i.e. AT&T's platform) still be sufficiently covered by the faux tree branches? Specifically, how long are the tree branches at the approximately 146-foot level of the tower, and, as a comparison, how far away from the tower do AT&T's antennas and antenna mounts extend?
48. Could the antennas and antenna mounts be painted to blend in with the color of the faux tree branch material?
49. Describe the views of the tower from the walking trails in the Edith Scoville Memorial Sanctuary.
50. Approximately how many residences would have seasonal and year-round visibility of the proposed tower. Provide the streets names if available.
51. The viewshed map shows some year-round visibility over the southern portion of Lake Washinee. Describe the view of the proposed tower from predicted yellow shaded area of Lake Washinee. Are Lake Washinee and/or Lake Washining used for recreation?
52. Provide the current status of the State Historic Preservation Office consultation.
53. What is the cumulative noise level that the Applicant expects at the nearest property line from the proposed facility taking into account AT&T's two air conditioning units attached to its equipment shelter? Would the expected noise levels comply with applicable standards? If no, indicate which noise mitigation measure(s) may be employed to ensure compliance.
54. Please provide a Functions and Values assessment for Wetland No. 2.