



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

May 21, 2021

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

RE: **DOCKET NO. 500** - Arx Wireless Infrastructure, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 1061-1063 Boston Post Road, Milford, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than June 2, 2021.

Please submit an original and 15 copies to the Council's office and an electronic copy to siting.council@ct.gov. 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 requests 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.

Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the June 2, 2021 deadline.

Copies of your responses shall be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

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.

Sincerely,

s/Melanie Bachman

Melanie Bachman
Executive Director

MB/IN/lm

c: Service List dated May 6, 2021

Docket No. 500
Cellco Partnership d/b/a Verizon Wireless
Pre-Hearing Interrogatories
May 21, 2021
Set One

General

1. What is the estimated cost of Cellco's equipment, including installation? Break down the total cost into categories that Cellco deems appropriate.
2. How would the cost of Cellco's installation/colocation at the proposed site be recovered?
3. Provide the number of remote radio heads that would be installed at this site.
4. What is the structural design standard applicable to the proposed low profile antenna mount?
5. Pursuant to CGS §16-50p(a)(3)(G), identify the safety standards and/or codes by which equipment, machinery or technology that would be used or operated at the proposed facility by Cellco.

Site Search

6. Identify the approximate center and radius of Cellco's site search area.
7. What is the status of the ballast mounted temporary monopole approved by the Council in its declaratory ruling in Petition No. 1375?
8. The October 27, 2020 correspondence from the City of Milford indicates the owner of 1052 Boston Post Road has no immediate plans to remove the building with the antennas. Please provide a copy of the lease for the rooftop facility and the temporary ballast mounted monopole at 1052 Boston Post Road.
9. Would the Centralized-Radio Access Network approved by the Council in Petition No. 1357 be relocated to the proposed site?
10. Please explain the feasibility of meeting Cellco's service objectives from each of the alternative facilities identified in the City of Milford's October 27, 2020 correspondence.

Coverage/ Capacity

11. How would Cellco's signal strength within the coverage area be impacted by the proposed facility?
12. How will the proposed site improve upon the existing wireless service in the area. Include data on additional road miles and additional coverage area footprint that would be served by the proposed facility.
13. What frequencies would be installed at the site? Would all frequencies provide both voice and data? Please explain.

14. Would the proposed site provide adequate service to the coverage area for other frequencies that Cellco would deploy?
15. Provide existing coverage gaps in miles for the proposed frequencies for the nearby portion of the Interstate 95, Boston Post Road and the surrounding local roads, the overall existing coverage footprints in square miles and the proposed coverage mileage and square miles as represented in the example below:

Street Name	700 MHz Coverage Gap	1900 MHz Coverage Gap	2100 MHz Coverage Gap
Route 2	2.5 miles	5 miles	4.5 miles
Route 32	1.0 mile	3 miles	2 miles
Route 87	0.5 mile	2.5 miles	1 mile
Interstate 395	2.5 miles	2.5 miles	2.5 miles
State Road Total	6.5 miles	13 miles	10 miles

Overall Coverage Footprint	49 square miles	6 square miles	7.5 square miles
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16. In addition to the coverage maps provided in the radio frequency engineering report, please provide the distances and directions to the adjacent sites with which the proposed facility would hand off signals. Include antenna centerline heights for Cellco at these sites.
17. Please identify which of the existing adjacent Cellco sites and what frequencies and sectors would benefit from capacity relief.
18. What is the lowest height at which Cellco's antennas could achieve its wireless service objectives from the proposed facility? What would be the consequences in terms of coverage and/or capacity relief?
19. Would flush-mounted antennas provide the required coverage? Would the flush-mount configuration result in reduced coverage and/or necessitate greater antenna height with multiple levels of antennas? Explain.
20. Would the deployment of the proposed facility be sufficient to address Cellco's capacity concerns or would an additional facility be required in the near term to off-load traffic?
21. Are any of the frequencies planned for installation at this facility capable to provide 5G services for Cellco's network? If so, identify the frequencies.

Backup power

22. Would Cellco utilize a backup generator? Please provide the capacity, fuel source and estimated runtime of the generator before it would require refueling during a prolonged outage.
23. Would a battery backup (if applicable) be used by Cellco to provide uninterrupted power and prevent a reboot condition? How long could the battery backup alone supply power to the facility in the event that the generator fails to start?

Public Safety

24. Will Cellco's equipment support text-to-911 service? Is additional equipment required for this purpose?
25. Would Cellco's antennas comply with federal E911 requirements?
26. Would Cellco's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?