

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF CELLCO PARTNERSHIP  
D/B/A VERIZON WIRELESS FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE  
AND OPERATION OF A WIRELESS  
TELECOMMUNICATIONS FACILITY IN  
THE TOWN OF WATERFORD,  
CONNECTICUT

DOCKET NO. 419

RECEIVED  
JUL 14 2011

CONNECTICUT  
SITING COUNCIL  
JULY 14, 2011

RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS TO  
CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES, SET ONE

On June 20, 2011, the Connecticut Siting Council ("Council") issued Pre-Hearing Interrogatories to Cellco Partnership d/b/a Verizon Wireless ("Cellco"), relating to the above-captioned docket. Below are Cellco's responses.

Question No. 1

Of the letters sent to abutting property owners, how many certified mail receipts did Cellco receive? If any receipts were not returned, which owners did not receive their notice? Did Cellco make additional attempts to contact those property owners?

Response

Cellco received return certified mail receipts from all but one of the abutting property owners identified behind Tab 5 in the Application. A second notice letter was sent to Daniel E. and Therese O'Connor on June 13, 2011 by regular mail.

Question No. 2

Would Cellco's antennas comply with E911 requirements?

Response

Yes.

Question No. 3

Identify the adjacent sites with which the proposed facility would hand off signals.

Include addresses of these sites.

Response

The proposed Waterford NE cell site would interact with the following existing Cellco cell sites:

1. Uncasville Cell Site  
Owner: Mariner Towers  
71 Moxley Hill Road  
Montville, CT
2. Montville 2 Cell Site  
Owner: SBA  
45 Fargo Road  
Waterford, CT
3. Waterford Cell Site  
Owner: Cohanzie Fire Department  
53 Dayton Road  
Waterford, CT
4. Groton 2 Cell Site  
Owner: SBA  
1294 Pleasant Valley Road  
Groton, CT
5. Chesterfield Cell Site  
Owner: Crown Castle  
41 Beckwith Road  
Montville, CT
6. Montville Cell Site  
Owner: Metrocast Communications of CT, Inc.  
695 Old Colchester Road  
Montville, CT

Question No. 4

What is the lowest height at which Cellco’s antennas could achieve its coverage objectives from the proposed sites? Submit propagation maps showing the coverage at ten feet below these heights.

Response

Antennas at both Site 1 and Site 2 are proposed at the lowest height needed to allow Cellco to satisfy its Waterford NE coverage objectives. Propagation maps showing coverage from Site 1 at 120’ and Site 2 at 140’ (ten (10) feet lower than proposed in the application) are included in Attachment 1. As indicated on the table below, the lower antenna height results in a reduction in coverage along I-395, the primary coverage objective for the Waterford NE cell site, and a reduction in the overall coverage footprint from each of the alternative site locations.

Site 1

	PCS Coverage		Cellular Coverage	
	@ 130’	@ 120’	@ 130’	@ 120’
I-395 (Miles)	2.08	1.9	2.3 miles	2.2
Overall Coverage Footprint (Sq. Miles)	2.83*	2.57	7.66	6.68

Site 2

	PCS Coverage		Cellular Coverage	
	@ 150’	@ 140’	@ 150’	@ 140’
I-395 (Miles)	2.2	2.1	2.3	2.2
Overall Coverage Footprint (Sq. Miles)	3.26*	3.13	6.3	5.89

\* The overall coverage footprint figures at PCS frequencies from Site 1 and Site 2 referenced in the table above differ from those figures included in the Docket No. 419 application. (See Application narrative pp. 3-4). The figures provided in response to this interrogatory are the corrected figures.

Question No. 5

What is the signal strength for which Cellco designs its system? For in-vehicle coverage? For in-building coverage? Does this signal strength differ according the different frequencies Cellco is licensed to use?

Response

Cellco's network design threshold is -85 dBm for reliable in-vehicle service and -75 dBm for reliable in-building service. Cellco's design threshold (-85 dBm) is the same for all of its operating frequencies.

Question No. 6

What is the existing signal strength in those areas Cellco is seeking to cover from this facility? At what frequencies?

Response

Cellco's existing signal strength in the area around the Waterford NE Facility ranges from -86 dBm to -98 dBm at PCS (1900 MHz) and cellular (850 MHz) frequencies.

Question No. 7

Does Cellco have any statistics on dropped calls 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?

Response