STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
APPLICATION OF CELLCO PARTNERSHIP	:	DOCKET NO. 337
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 OFF	:	
NORTH STREET (ROUTE 63) IN GOSHEN,	:	
CONNECTICUT	:	JULY 18, 2007

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

Question No. 10

How many trees with a diameter of 6" or greater at breast height would be removed to develop this site?

Response

Cellco's project engineers estimate that approximately 167 trees with a diameter of 6" or greater at breast height would need to be removed to construct the access driveway, including utility right of way (150 trees) and the cell site compound (17 trees).

Question No. 15

What are the average heights of the transmission line structures on the line that parallels Route 63? Could two or more co-locations on these structures achieve Cellco's coverage objectives in this area? If no, explain.

Response

The utility line structures that run parallel to Route 63, north of Route 4 in the vicinity of the Goshen cell site are between approximately 70 and 80 feet tall. Due to the topography in the area, Cellco estimates that it would need to utilize at least two of these existing transmission line structures, at a minimum height of 120'each, to provide reliable coverage along Route 63 comparable to that which Cellco would achieve from the proposed Goshen tower site. This alternative is less desirable for several reasons. First, the development of a single cell site, providing optimal coverage to an area is preferred over a multi-site configuration. Second, the single site proposed in Docket No. 337 would provide significantly more coverage overall in Goshen than Cellco could provide from the two transmission line structures investigated. Lastly, as discussed in Cellco's response to Interrogatory No. 19, the Town of Goshen intends to install "Emergency Operations, Public Works, and Firehouse Repeater antenna" on Cellco's proposed tower. Cellco has agreed to do so at no cost to the Town. Cellco could not make the same offer to the Town if it were to utilize the existing CL&P structures discussed above. It should also be noted that Cellco has not explored whether other factors (access; wetland impacts; property title; structural capacity of the towers, etc.) might further limit its ability to use two or more of these existing utility structures.

Question No. 16

Provide propagation maps of a single site and/or a series of co-locations on the transmission structures paralleling Route 63 to show what coverage could be achieved from this line.

Response

Attached is a plot showing coverage from two transmission line structure locations utilizing a 120' antenna centerline. Together, these locations provide coverage along Route 63 but, due to the topography in the area, provide only limited coverage to the east or west of Route 63. The overall coverage footprint for these two sites is 8.3 square miles, five square miles less than the overall coverage footprint of the proposed Goshen tower (13.3 square miles). (See Cellco Application p. 3)