

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
 :
APPLICATION OF SBA TOWERS II, LLC FOR : DOCKET NO. 379
A CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
THE CONSTRUCTION, MAINTENANCE AND :
OPERATION OF A TELECOMMUNICATIONS :
FACILITY AT 12 BURR ROAD, :
BLOOMFIELD, CONNECTICUT : MAY 19, 2009

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

On April 28, 2009, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories to the Applicant, Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to the above-captioned docket. Cellco has been granted intervenor status in this docket and expects to install antennas on the proposed tower, if approved, at the 117 foot level. For the purposes of this filing the proposed facility is referred to as Cellco’s “Bloomfield 2” cell site. Below are Cellco’s responses to the Council’s interrogatories.

Question No. 1

What are Verizon’s licensed operating frequencies in this part of the state?

Response

Cellco is licensed to operate in the cellular (850 MHz), personal communications service (“PCS”) (1900 MHz) and 700 MHz frequency bands throughout the State of Connecticut.

Question No. 2

What is the design signal strength for Verizon's system for in-vehicle coverage? For in-building coverage?

Response

Cellco's minimum coverage thresholds are -75 dBm for reliable in-building service and -85 dBm for reliable in-vehicle service.

Question No. 3

What is the existing signal strength in the area Verizon would serve from this proposed site?

Response

Cellco's existing signal strength in this area ranges from -86 dBm to -110 dBm at cellular frequencies; and from -86 dBm to -112 dBm at PCS frequencies. Cellco is not currently providing 700 MHz frequency service anywhere in Connecticut.

Question No. 4

What would be the total area Verizon could cover from the proposed site?

Response

Cellco's coverage footprint from the proposed cell site would be approximately 6.1 square miles at cellular frequencies and 4.6 square miles at PCS frequencies.

Question No. 5

What is the length of Verizon's coverage gap on Route 185 in the vicinity of the proposed facility?

Response

Cellco currently experiences a 1.27 mile gap at cellular frequencies and a 4.83 mile gap at

PCS frequencies along Route 185 in the vicinity of the proposed Bloomfield cell site.

Question No. 6

What is the distance Verizon could cover on State Route 185 from the proposed site?

Response

From the proposed Bloomfield cell site Cellco would provide coverage to a 3.7 mile portion of Route 185 at cellular frequencies and a 3.4 mile portion of Route 185 at PCS frequencies.

Question No. 7

Provide propagation maps, at the frequencies currently being used by Verizon, showing Verizon's existing wireless coverage in the vicinity of the proposed site, what its coverage(s) would be from the proposed site, and what would be the combined coverages of its existing sites and the proposed site.

Response

Attachment 1 includes plots showing coverage from Cellco's existing Bloomfield 3, University of Hartford, Bloomfield Blue Hills, Cottage Grove, West Hartford N, Talcott Mountain, Talcott 2, Tarriffville, Simsbury, West Hartford 3, Hartford NW, and Windsor S cell sites; stand alone coverage plots from the proposed Bloomfield 2 facility and composite plots showing coverage from Cellco's existing and proposed cell sites in the Bloomfield area.

Question No. 8

Identify, by address, sites with which Verizon's antennas at the proposed site would hand off signals – include type and height of structure and height of Verizon's antennas on structure and distance and direction from the proposed tower.