

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 AT 16  
BELL ROAD EXTENSION, CORNWALL,  
CONNECTICUT

:  
:  
: DOCKET NO. 402  
: **RECEIVED**  
: JUN 17 2010  
: CONNECTICUT  
: SITING COUNCIL  
: JUNE 17, 2010

RESPONSES OF CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS  
TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES

On June 4, 2010, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories to Applicant, Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to the above-captioned docket. Below are Cellco’s responses.

Question No. 1

Did Cellco receive return receipts for all adjacent landowners listed in Application Attachment 5? If not, describe any additional effort to serve notice.

Response

Yes. All Receipts have been returned.

Question No. 2

Would blasting be required for the construction of the proposed site? Provide estimates of cut and fill.

Response

Cellco does not anticipate the need for blasting to construct the proposed facility. A geotechnical survey will be completed if the site is approved and submitted to the Council as a part of the D&M Plan. Cellco estimates that site construction will require a total cut of approximately 1,375 c.y. of material and a total fill of approximately 1,265 c.y. of material.

Question No. 3

What is Cellco's minimum signal level threshold for in-building and in-vehicle use?

Response

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

Question No. 5

What is the current signal strength in the proposed service area?

Response

Existing signal strength in this area ranges from -87 dBm to -109 dBm.

Question No. 6

Provide a coverage plot, using the scale and thresholds in Application Attachment 7, that depict coverage from existing/approved Cellco sites and the proposed tower at a height of 100 feet.

Response

The coverage plots requested are included in Attachment 1. The differences in coverage between a 110 foot and 100 foot tower are quantified in the two tables below.

| Antenna Height | Route 7 Coverage Cellular (Miles) | Route 7 Coverage PCS (Miles) | Route 4 Coverage Cellular (Miles) | Route 4 Coverage PCS (Miles) |
|----------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------|
| 110'           | 1.97                              | 1.83                         | 2.46                              | 0.93                         |
| 100'           | 1.82                              | 1.70                         | 2.29                              | 0.62                         |

| Antenna Height | Total Coverage Cellular (Sq. Miles) | Total Coverage PCS (Sq. Miles) |
|----------------|-------------------------------------|--------------------------------|
| 110'           | 10.05                               | 2.99                           |
| 100'           | 8.63                                | 2.02                           |

Question No. 6

Provide the methodology and input parameters used to obtain the power density figure presented on page 16 of the application.

Response

The power density figures presented in the application were developed using the formula established by the FCC. The input parameters used are set forth in the table included in

Attachment 2.

Question No. 7

Is the site within the *Upper Housatonic Valley National Heritage Area*? If so, describe the impact of the proposed facility on resources within the heritage area.

Response

The proposed Cornwall Facility is located within the Upper Housatonic Valley National Heritage Area. The Upper Housatonic Valley National Heritage Area was designated by

Congress in 2006 in order to heighten appreciation of the region, preserve its natural and historical resources, and improve the quality of life and economy of the area. Based on the results of VHB's *Visual Resource Evaluation Report* (dated April 2010), which is included behind Tab 10 of the Docket No. 402 Application, the Cornwall Facility, as proposed, would not be visible from, and therefore have no impact upon, any of the nearby scenic resources specifically identified on the Heritage Area Map including the Appalachian National Scenic Trail, Route 7 (a state-designated scenic roadway), the West Cornwall Covered Bridge spanning the Housatonic River, and the Housatonic River itself. A copy of the Heritage Area Map taken from the Upper Housatonic Valley National Heritage Area web site is included in Attachment 3.