

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 : AUGUST 16, 2007

LATE FILE EXHIBITS

During the August 9, 2007 hearing on Docket No. 337, the Connecticut Siting Council (“Council”) requested that the Applicant, Cellco Partnership d/b/a Verizon Wireless (“Cellco”) provide the Council with additional information and exhibits in response to specific questions about the proposed Goshen tower location.

Question No. 1

Provide additional composite coverage plots showing coverage from the proposed Goshen cell site with Cellco antennas at 130 feet above ground level (“AGL”) and 120 feet AGL. Compare, quantitatively, the coverage provided from the proposed site with antennas at 150 feet, 140 feet, 130 feet and 120 feet.

Response

The plots showing Cellco’s coverage at the heights requested are included behind Attachment 1.

**Proposed Goshen Tower Site at 150'**

Overall coverage – 13.3 Square Miles

Route 63 Coverage – 4.5 Miles

Route 4 Coverage – 1.8 Miles

At 150' the proposed site provides continuous coverage along Route 63 between the proposed cell site and the Goshen South cell site off Brush Hill Road, Goshen CT. (See Cellco Exh. 6, Question 5 – Composite coverage plot showing Cellco coverage at 150' from the proposed facility).

**Proposed Goshen Tower Site at 140'**

Overall coverage – 12.2 Square Miles

Route 63 Coverage – 4.2 Miles

Route 4 Coverage – 1.6 Miles

At 140' the proposed site can not provide continuous coverage along Route 63 between the proposed cell site and the Goshen South cell site off Brush Hill Road, Goshen CT. Coverage gaps totaling approximately 0.15 miles open along Route 63 south of Route 4. (See Cellco Exh. 6, Question 5 – Composite coverage plot showing Cellco coverage at 140' from the proposed facility).

**Proposed Goshen Tower Site at 130'**

Overall coverage – 10.47 Square Miles

Route 63 Coverage – 3.9 Miles

Route 4 Coverage – 1.1 Miles

At 130' the proposed site can not provide continuous coverage along Route 63 between the proposed cell site and the Goshen South cell site off Brush Hill Road, Goshen CT. Coverage

gaps totaling approximately 0.4 miles open along Route 63.

**Proposed Goshen Tower Site at 120'**

Overall coverage – 8.39 Square Miles

Route 63 Coverage – 2.4 Miles

Route 4 Coverage – 0.6 Miles

At 120' the proposed site can not provide continuous coverage along Route 63 between the proposed cell site and the Goshen South cell site off Brush Hill Road, Goshen CT. Coverage gaps totaling approximately 0.85 miles open along Route 63 south of Route 4.

Question No. 2

Provide information regarding the existing tower on Ivy Mountain in Goshen.

Specifically, identify the distance between the existing tower on Ivy Mountain and the tower site proposed in Docket No. 337, identify the owner of the Ivy Mountain tower, and describe the type, height and current use of the Ivy Mountain tower. Also, provide information regarding the feasibility of using the existing Ivy Mountain tower as an alternative to the tower proposed in Docket No. 337.

Response

The Ivy Mountain tower is an approximately 260-foot guyed lattice tower located off Shean Road in Goshen. The Ivy Mountain tower is located on property owned by the Torrington Water Company and is not located in Ivy Mountain State Park. This tower does not appear on the Council's data base of existing facility towers, nor could it be located in the FCC's antenna structure registration data base. Signage on the equipment shelter at the base of the tower identifies the antenna owner as "Army Radio".

The Ivy Mountain tower is located more than two miles northeast of the proposed Goshen

facility. Attachment 2 contains a composite coverage plot showing coverage from the existing sites in the area with antennas at the 199-foot level on the Ivy Mountain tower. As shown on the plot, even at 199 feet, Cellco could not cover Route 63, its primary objective in Goshen, from Ivy Mountain.

Question No. 3

Provide information regarding the existing tower on Mohawk Mountain in Cornwall. Specifically, identify the distance between the existing tower on Mohawk Mountain and the tower site proposed in Docket No. 337, identify the owner of the Mohawk Mountain tower, and describe the type, height and current use of the Mohawk Mountain tower. Also, provide information regarding the feasibility of using the existing Mohawk Mountain tower as an alternative to the tower proposed in Docket No. 337.

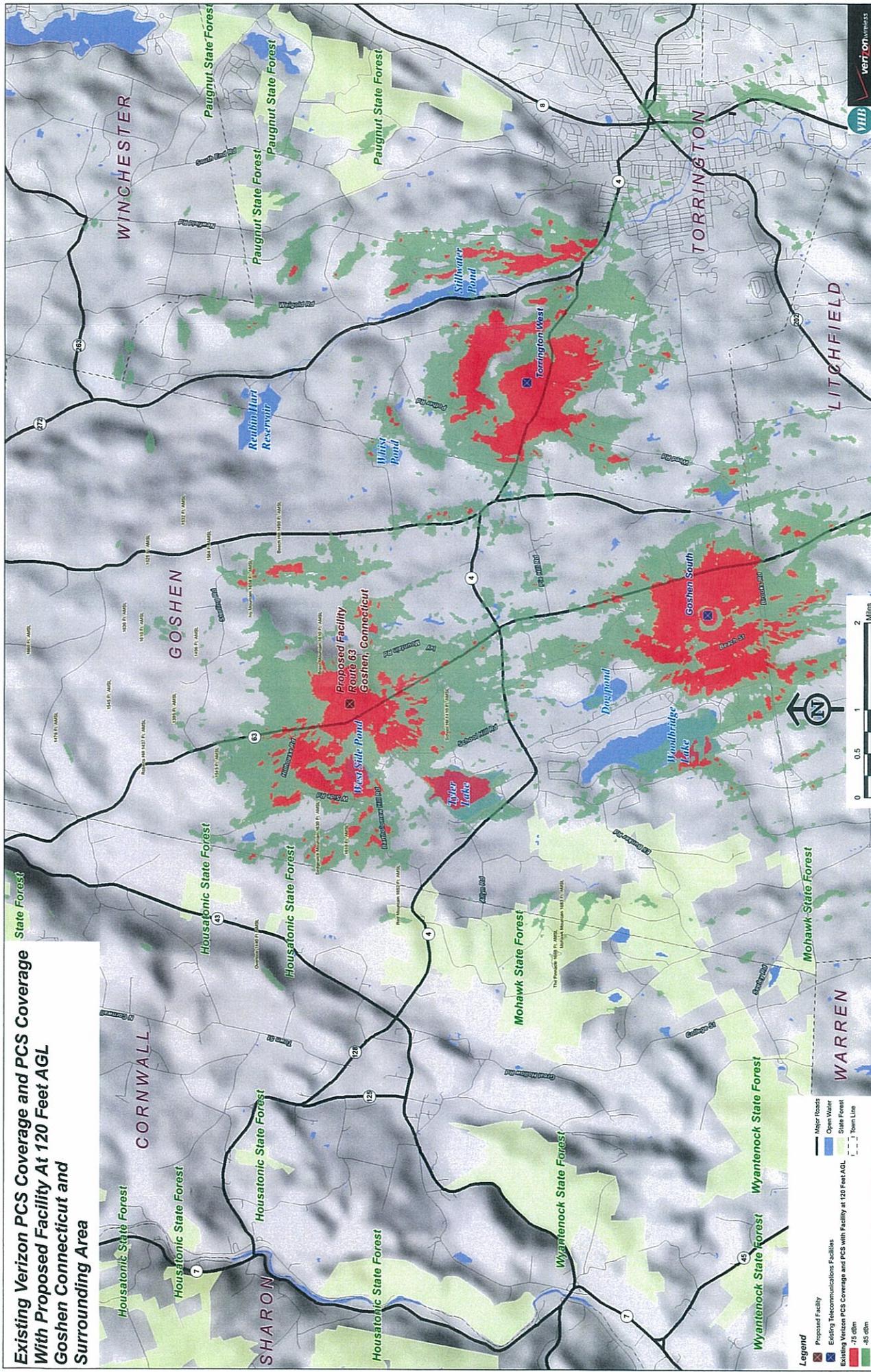
Response

According to the Council's Telecommunications Data Base, there is an existing 180-foot self-supporting lattice tower on Mohawk Mountain owned and operated by the Connecticut Department of Public Safety. Cellco is not currently on this Mohawk Mountain tower. The Mohawk Mountain tower is located nearly four miles from Cellco's Goshen cell site.

Attachment 4 contains a composite coverage plot showing coverage from the existing sites in the area with antennas at the 199-foot level on the Mohawk Mountain tower. As shown on this plot, even at 199 feet, Cellco could not cover Route 63, its primary objective in Goshen, from Mohawk Mountain.



**Existing Verizon PCS Coverage and PCS Coverage With Proposed Facility At 120 Feet AGL  
Goshen Connecticut and Surrounding Area**



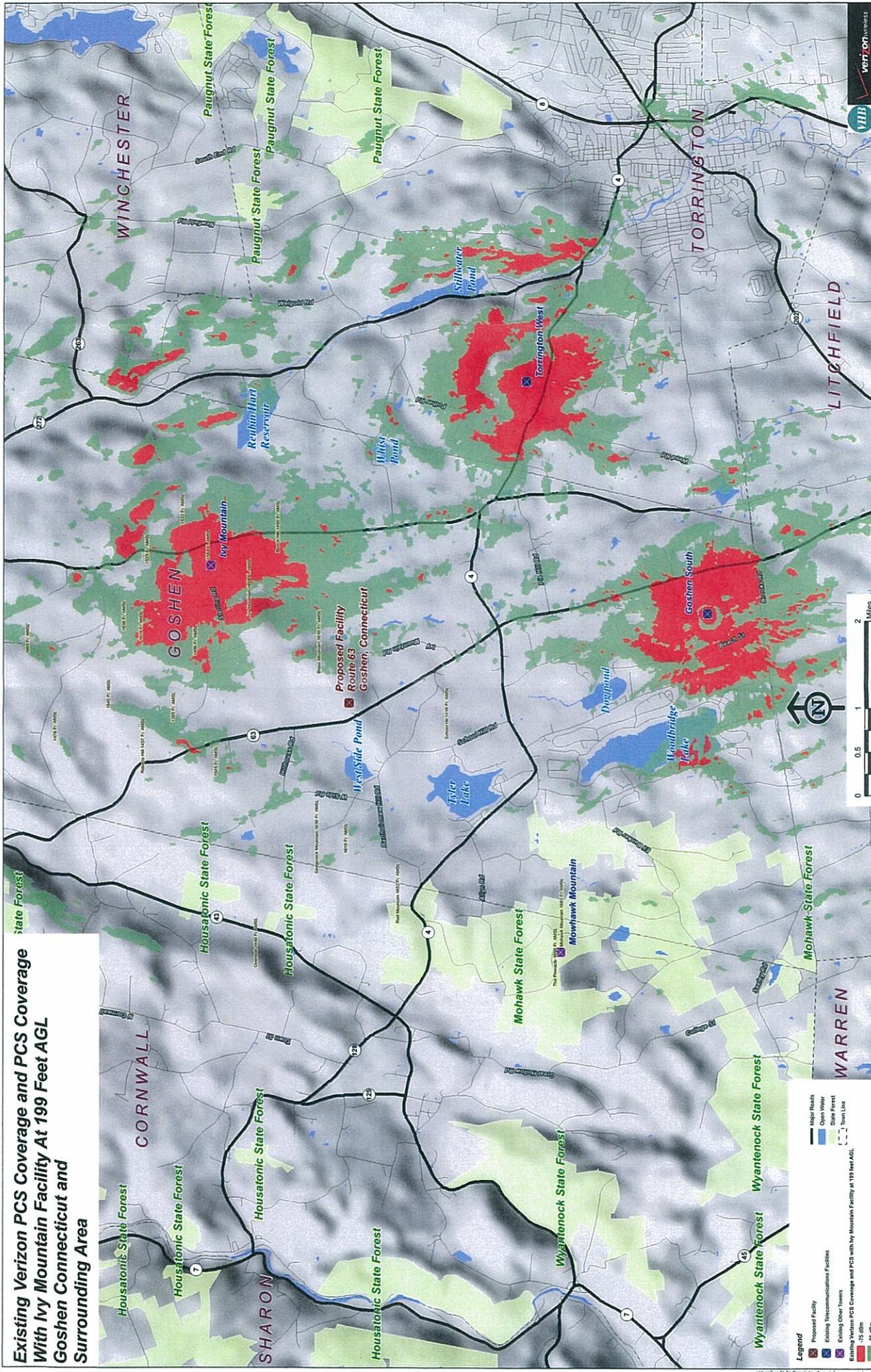
**Legend**

- Proposed Facility
- Existing Telecommunications Facilities
- Existing Verizon PCS Coverage and PCS with Facility at 120 Feet AGL
- 75 dBm
- 85 dBm
- Major Roads
- Open Water
- State Forest
- Town Line



© 2008 Verizon Wireless. All rights reserved. Map data by Google.

**Existing Verizon PCS Coverage and PCS Coverage With Ivy Mountain Facility At 199 Feet AGL Goshen Connecticut and Surrounding Area**



**Legend**

- Major Roads
- Proposed Facility
- Existing Telecommunications Facilities
- Existing Other Towers
- Existing Verizon PCS Coverage and PCS with Ivy Mountain Facility at 199 feet AGL
- 75 dbm
- 85 dbm
- Open Water
- State Forest
- Town Line



