

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

# Connecticut Siting Council

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APPLICATION OF CELLCO PARTNERSHIP  
D/B/A VERIZON WIRELESS

CITY OF BRISTOL  
BRISTOL WEST FACILITY

DOCKET NO. 318

JULY 27, 2006



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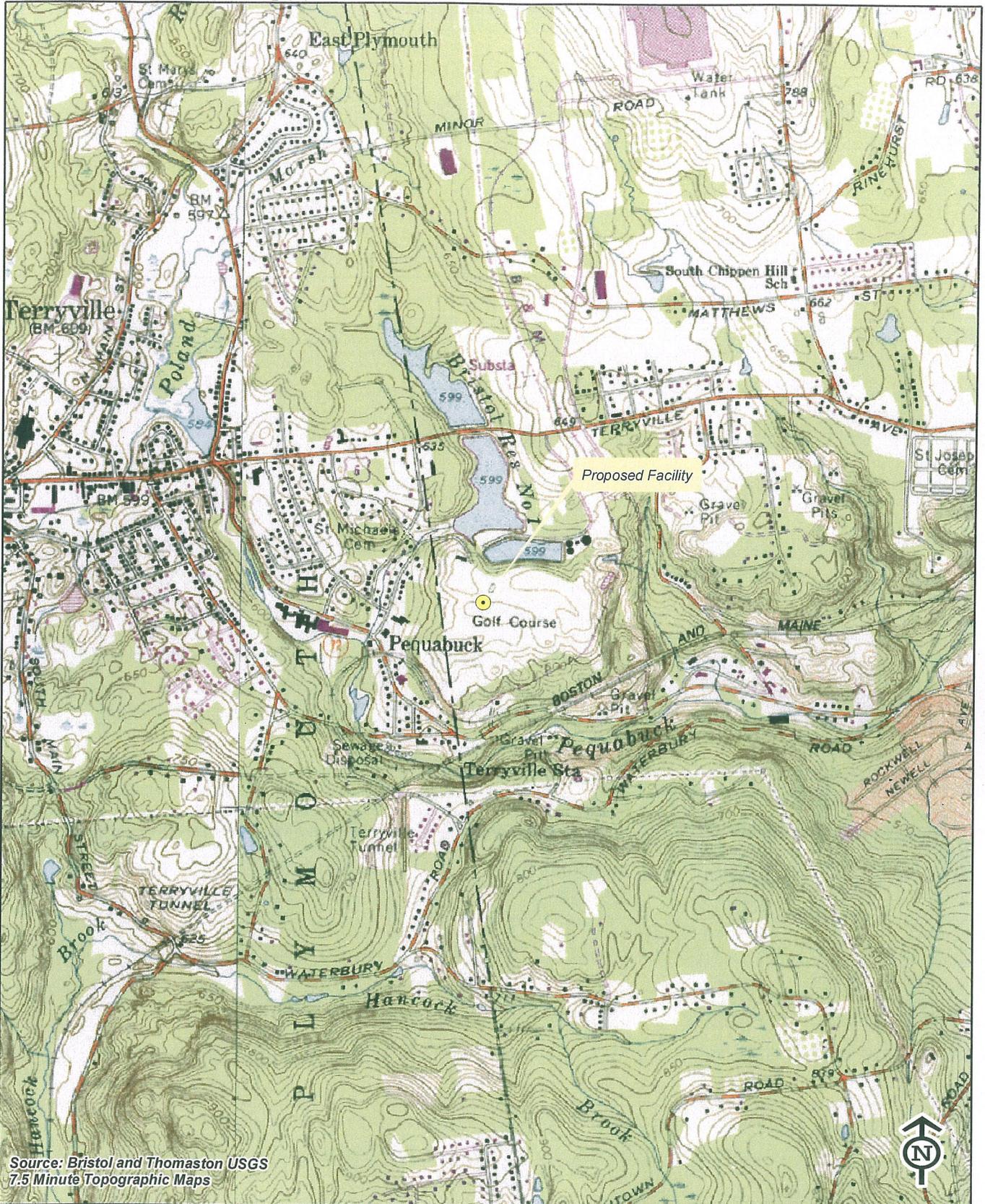
## LIST OF ATTACHMENTS

1. Bristol West Facility – Factual Summary and Project Plans
2. Connecticut Siting Council Application Guide
3. Certificate of Service of Application on Government Officials and List of Officials Served
4. Legal Notice in *The Bristol Press*
5. Notice to Landowners; List of Abutting Landowners; Certificate of Service
6. Federal Communications Commission Authorization
7. Coverage Maps – Location of Surrounding Cell Sites
8. Antenna and Equipment Specifications
9. Site Search Summary
10. Visual Impact Evaluation Report
11. NEPA Environmental Screening Checklist
12. Federal Airways & Airspace Summary Report
13. Lease Agreement between Cellco Partnership and Pequabuck Golf Club of Bristol, Inc.

## EXECUTIVE SUMMARY

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) proposes to construct a telecommunications tower and related facility at a location in the central portion of the 65-acre Pequabuck Golf Club parcel located at 1191 Terryville Road in Bristol. The proposed telecommunications facility would provide much needed coverage along the heavily traveled Routes 6 and 72 as well as local roads in the westerly portion of Bristol and easterly portion of Plymouth (the “Bristol West Facility”).

At this site Cellco would construct a 120-foot telecommunications tower disguised as a flagpole. Cellco will install six internally-mounted panel-type antennas, three (3) PCS antennas at the 117-foot level and three (3) cellular antennas at the 107-foot level on the tower. Cellco would also install a 12' x 30' equipment shelter located near the base of the flagpole tower to house its radio equipment and a back-up propane-fuel generator. A 1,000 gallon propane tank will also be installed within the site compound. Access to the Bristol West Facility would extend from School Street over the Golf Course's existing paved driveway, a distance of approximately 1,100 feet to the cell site.



Source: Bristol and Thomaston USGS  
7.5 Minute Topographic Maps

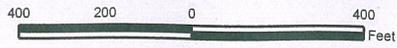


Quadrangle Location



Vanasse Hangen Brustlin, Inc.

USGS Topographic Base Map  
Proposed Verizon Facility  
Bristol West  
1191 Terryville Road  
Bristol, Connecticut



Quadrangle Location

Vanasse Hangen Brustlin, Inc.

2004 Aerial Photograph  
Proposed Verizon Facility  
Bristol West  
1191 Terryville Road  
Bristol, Connecticut

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE: :  
: :  
APPLICATION OF CELLCO : DOCKET NO. \_\_\_\_\_  
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 BRISTOL, CONNECTICUT : JULY 27, 2006

APPLICATION FOR CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED

I. INTRODUCTION

A. Authority and Purpose

This Application and the accompanying attachments (collectively, the “Application”) is submitted by Cellco Partnership d/b/a Verizon Wireless (“Cellco” or the “Applicant”), pursuant to Chapter 277a, Sections 16-50g et seq. of the Connecticut General Statutes (“C.G.S.”), as amended, and Sections 16-50j-1 et seq. of the Regulations of Connecticut State Agencies (“R.C.S.A.”), as amended. The Application requests from the Connecticut Siting Council (“Council”) a Certificate of Environmental Compatibility and Public Need (“Certificate”) for the construction, maintenance, and operation of a wireless telecommunications facility, disguised as a flagpole, in the westerly portion of the City of Bristol, Connecticut (the “Bristol West Facility”). The proposed Bristol West Facility would provide for much needed coverage along the heavily-traveled Routes 6 and 72 and local roads in the westerly portion of Bristol and

easterly portion of Plymouth. Cellco currently experiences an approximately 1.2 mile gap in coverage along Route 6 and a 2.1 mile gap in coverage along Route 72 between its existing Bristol West 2 and Plymouth cell sites.

The Bristol West Facility would be located within a 55' x 70' leased area within the 65-acre Pequabuck Golf Club parcel located at 1191 Terryville Road in Bristol. This site is located in the Town's R-40 Residence zone district and is currently used for recreational purposes. Cellco proposes to construct a 120-foot telecommunications tower disguised as a flagpole. At the Bristol West Facility, Cellco would install a total of six (6) internally-mounted panel-type antennas; three (3) antennas at the 117-foot level; and three (3) antennas at the 107-foot level on the tower. Equipment associated with the antennas would be located in a 12' x 30' shelter located near the base of the tower. Access to the cell site would extend from School Street over an existing paved driveway, a distance of approximately 1,100 feet to the cell site. Both the tower and leased area will be designed to accommodate additional carriers.

The equipment building would house radio and related equipment of Cellco, including (a) receiving, transmitting, switching, processing and performance monitoring equipment; and (b) automatic heating and cooling equipment. A propane-fueled generator would also be installed within a portion of the equipment building for use during power outages and periodically for maintenance purposes. A propane fuel tank would be located in the southeasterly portion of the leased area. The tower and equipment shelter would be enclosed by an 8-foot high security fence and gate, which would be screened. Cellco's equipment building would be equipped with a silent intrusion and systems alarm and will be monitored on a 24-hour basis to receive and to respond to incoming alarms or other technical problems. The equipment building would remain unstaffed, except as required for maintenance. Once the cell site is operational, maintenance personnel will

visit the cell site on a monthly basis. More frequent visits may be required if there are problems with the cell site equipment.

Included in this Application as Attachment 1 is a factual summary and project plans for the proposed Bristol West Facility. This summary, along with the other attachments submitted as part of this Application, contain all of the site-specific information required by statute and the regulations of the Council.

In accordance with Paragraph I(F) of the Council's "Application Guide" for Community Antenna Television and Telecommunication Towers, a copy of the Application Guide is included as Attachment 2. The Application Guide contains references to the specific pages of this Application and the attachments where the information required under Section VI of the Application Guide may be found.

**B. The Applicant**

Cellco is a Delaware Partnership with an administrative office located at 99 East River Drive, East Hartford, CT, 06108. Cellco is licensed by the Federal Communications Commission ("FCC") to operate a wireless telecommunications system in the State of Connecticut within the meaning of C.G.S. Section 16-50i(a)(6). Operation of the wireless telecommunications systems and related activities are Cellco's sole business in the State of Connecticut.

Cellco has extensive national experience in the development, construction and operation of wireless telecommunications systems and the provision of wireless telecommunications service to the public.

Correspondence and/or communications regarding this Application may be addressed to:

Sandy Carter, Regulatory Manager  
Verizon Wireless  
99 East River Drive  
East Hartford, Connecticut 06108

A copy of all such correspondence or communications should also be sent to the applicant's attorneys:

Robinson & Cole LLP  
280 Trumbull Street  
Hartford, Connecticut 06103-3597  
(860) 275-8200  
Attention: Kenneth C. Baldwin, Esq.

**C. Application Fee**

The estimated total construction cost for the Bristol West Facility would be approximately Six Hundred Seventy Thousand (\$670,000.00) Dollars. Pursuant to Section 16-50v-1a(b) of the Regulations of Connecticut State Agencies, an application fee of \$1,000 accompanies this Application in the form of a check payable to the Connecticut Siting Council.

**II. SERVICE AND NOTICE REQUIRED BY C.G.S. SECTION 16-50l(b)**

Copies of this Application have been sent by certified mail, return receipt requested, to municipal, regional, state and federal officials, pursuant to C.G.S. Section 16-50l(b). A certificate of service, along with a list of the parties served with a copy of the Application, is included as Attachment 3.

Notice of Cellco's intent to submit this Application was published on July 24 and 25, 2006, by Cellco in *The Bristol Press* pursuant to C.G.S. Section 16-50l(b). A copy of the published legal notice is included as Attachment 4. A copy of the publisher's affidavit or certificate of publication will be submitted to the Council as soon as it is available.

Attachment 5 contains a certification that notices were sent to each person appearing of record as an owner of property that may be considered to abut the Property in accordance with C.G.S. Section 16-50/(b), as well as a list of the property owners to whom such notice was sent and a sample notice letter.

### **III. REQUIRED INFORMATION: PROPOSED WIRELESS FACILITY**

The purpose of this section is to provide an overview and general description of the wireless facility proposed to be installed at the Property.

#### **A. General Information**

Prior to the 1980's, mobile telephone service was characterized by insufficient frequency availability, inefficient use of available frequencies and poor quality of service. These limitations generally resulted in problems of congestion, blocking of transmissions, interference, lack of coverage and relatively high cost. Consequently, the FCC, in its Report and Order released May 4, 1981 in FCC Docket No. 79-318, recognized the public need for technical improvement, wide-area coverage, high quality service and a degree of competition in mobile telephone service.

More recently, the federal Telecommunications Act of 1996 (the "Act") emphasized and expanded on these aspects of the FCC's 1981 decision. Among other things, the Act recognized an important nationwide public need for high-quality wireless telecommunication services of all varieties. The Act also expressly promotes competition and seeks to reduce regulation in all aspects of the telecommunications industry in order to foster lower prices for consumers and to encourage the rapid deployment of new telecommunications technologies.

Cellco's proposed Bristol West Facility would be part of the expanding wireless telecommunications network envisioned by the Act and has been developed to help meet these nationwide goals. In particular, Cellco's system has been designed, and the cell sites proposed in

this Application have been selected, so as to maximize the geographical coverage and quality of service while minimizing the total number of cell sites required.

Because the FCC and the United States Congress have determined that there is a pressing public need for high-quality telecommunications service nationwide, the federal government has preempted the determination of public need by states and municipalities, including the Council, with respect to public need for the service to be provided by the proposed facility. In addition, the FCC has promulgated regulations containing technical standards for wireless systems, including design standards, in order to ensure the technical integrity of each system and nationwide compatibility among all systems. State and local regulation of these matters is likewise preempted. The FCC has also exercised its jurisdiction over and preempted state and local regulation with respect to radio frequency interference issues by establishing regulations in this area as well.

Pursuant to FCC authorizations, Cellco has constructed and currently operates a wireless system throughout Connecticut. This system, together with Cellco's system throughout its east coast and nationwide markets, has been designed and constructed to operate as one integrated, contiguous system, consistent with Cellco's business policy of developing compatibility and continuity of service on a regional and national basis.

Included as Attachment 6 is a copy of the FCC's authorization issued to Cellco for its wireless (PCS) service in Connecticut. The FCC's rules permit a licensee to modify its system, including the addition of new cell sites, without prior approval by the FCC, as long as the licensee's authorized service area is not enlarged. The facility proposed in this Application would not enlarge Cellco's authorized service area.

**B. Public Need and System Design**

**1. Public Need**

As noted above, the Act has pre-empted any state or local determination of public need for wireless services. In Hartford County, Cellco holds an FCC License to provide cellular and PCS service. Pursuant to its FCC License, Cellco has developed and continues to develop a network of cell sites to serve the demand for wireless service in the area. Cellco's network currently experiences an approximately 1.2 mile coverage gap along Route 6 and an approximately 2.1 mile coverage gap along Route 72. Coverage gaps also along existing local roads in the westerly portion of Bristol and easterly portion of Plymouth. As depicted on the coverage maps included in Attachment 7, Cellco cannot provide service to customers traveling along Routes 6 and 72 between its existing Bristol West 2 and Plymouth cell sites.

**2. System Design and Equipment**

**a. System Design**

Cellco's wireless system in general and the proposed Bristol West Facility have been designed and developed to allow Cellco to achieve and to maintain high quality, reliable wireless service without interruption from dropped calls and interference.

The system design provides for frequency reuse and hand-off, is capable of orderly expansion and is compatible with other wireless systems. The resulting quality of service compares favorably with the quality of service provided by conventional wireline telephone service. The wireless system is designed to assure a true cellular configuration of base transmitters and receivers in order to cover the proposed service area effectively while providing the highest quality of service possible. Cell site transmissions are carefully tailored to the FCC's technical standards with respect

to coverage and interference and to minimize the amount of power that is radiated. System modulation is narrowband frequency modulation for all voice channels at 30 kilohertz ("Khz").

Mobile telephone switching offices ("MTSOs") in Windsor and Wallingford are interconnected and operate Cellco's wireless systems in Connecticut as a single network, offering the subscriber uninterrupted use of the system while traveling throughout the State. This network is further interconnected with the local exchange company ("LEC") and inter-lata (long distance) carriers network.

Cellco has designed its wireless system in conformity with applicable standards and constraints for wireless systems. Cellco's system is also designed to minimize the need for additional cell sites in the absence of additional demand or unforeseen circumstances.

**b. Cellular System Equipment**

The key elements of the cellular system are the two MTSOs located in Windsor and Wallingford and the various connector cell sites around the state.

The major electronic components of each cell site are radio frequency transmission and receiving equipment and cell site controller equipment. Cellco's cellular system uses Lucent Flexent® Modular Cell 4.0 cell site equipment to provide complete cell site control and performance monitoring. This equipment is capable of expanding in modules to meet system growth needs. The cell site equipment primarily provides for: message control on the calling channel; call setup and supervision; radio frequency equipment control; internal diagnostics; response to remote and local test commands; data from the mobile or portable unit in both directions and on all channels; scan receiver control; transmission of power control commands; rescanning of all timing; and commands and voice channel assignment. Additional information with respect to the Lucent Flexent® Modular Cell 4.0 equipment is contained in Attachment 8.

### 3. Technological Alternatives

Cellco submits that there are no equally effective technological alternatives to the proposal contained herein. In fact, Cellco's wireless system represents state-of-the-art technology offering high-quality service. Cellco is aware of no viable and currently available alternatives to its system design for carriers licensed by the FCC.

#### C. Site Selection and Tower Sharing

##### 1. Cell Site Selection

Cellco's goal in selecting cell sites such as the one proposed here is to locate its facilities in such a manner as to allow it to build and to operate a high-quality wireless system with the least environmental impact. Cellco has determined that the proposed Bristol West Facility will satisfy this goal and are necessary to resolve existing coverage problems and to provide high-quality uninterrupted service along Routes 6 and 72 and local roads in Bristol and Plymouth.

The methodology of cell site selection for Cellco's wireless system generally limits the search for possible locations to a specific area on the overall grid for the area. A list of existing towers or other non-tower structures considered is included in Attachment 9. Cellco currently uses many of the existing towers in the immediate area, including those sites identified on the coverage maps as Bristol West 2 and Plymouth. (See Attachment 7). None of these existing towers would help to resolve the existing coverage problem along Routes 6 and 72. Cellco also regularly investigates the use of existing, non-tower structures in an area as an alternative to building a new tower. Descriptions of the sites investigated are included in the Site Search Summary (Attachment 9). The site search summary details the reason why each site, other than the Bristol West Facility, were not selected. The site search summary together with the site information contained in

Attachment 1 support Cellco's position that the sites selected represents the most feasible alternatives of the sites investigated.

**2. Tower Sharing**

Cellco will design the Bristol West Facility tower so that it could be shared by other carriers. The proposed facility compound was designed to accommodate equipment of other carriers. This type of tower sharing arrangement would reduce, if not eliminate, the need for a separate tower in this area in the future. Cellco would also make space on its tower available to the Town's public safety entities if such a need exists.

**D. Cell Site Information**

**1. Site Facilities**

Use of the proposed locations would require the construction of a new tower. At the Bristol West Facility, Cellco would install six (6) panel-type directional antennas; three antennas at the 117-foot level and three antennas at the 107-foot level on the 120-foot tower.

Cellco would install a 12' x 30' single-story equipment shelter near the base of the approved tower to house Cellco's receiving, transmitting, switching, processing and performance monitoring equipment and the required heating and cooling equipment. A back-up propane-fueled generator would be installed within a segregated room in the equipment shelter for use during power outages and periodically for maintenance purposes. A propane fuel tank would be installed in the southeasterly portion of the site compound. The tower and equipment shelter would be surrounded by an 8-foot high security fence and gate, which would be screened by landscaping.

(See Attachment 1).

The equipment shelter would be equipped with silent intrusion and systems alarms. Cellco personnel will be available on a 24-hour basis to receive and to respond to incoming alarms. The equipment building will remain unstaffed, except as required for periodic maintenance purposes.

**2. Overall Costs and Benefits**

Aside from the limited visual impacts discussed further below, Cellco believes that there are no significant costs attendant to the construction, maintenance, and operation of the proposed cell site. In fact, the public will benefit substantially from its increased ability to receive high-quality mobile and portable wireless service in the Bristol area.<sup>1</sup> The Bristol West Facility would be a part of a communications system that addresses the public need identified by the FCC and the United States Congress for high-quality, competitive mobile and portable wireless service. Moreover, the proposed cell site would be part of a system designed to limit the need for additional cell sites in the future.

The overall costs to Cellco for development of the proposed cell site are set forth in Section III.E. of the Application.

**3. Environmental Compatibility**

Pursuant to Section 16-50p of the General Statutes, in its review of the Application, the Council is required to find and to determine, among other things, the nature of the probable environmental impact, including a specification of every significant adverse effect of the facility, whether alone or cumulatively with other effects, on, and conflicting with the policies of the state

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<sup>1</sup> Businesses across the State have become more dependent on wireless telecommunication services. The public safety benefits of wireless telephone service are illustrated by the improved Connecticut State Police 911 emergency calling system. The 911 emergency calling system is available statewide to all wireless telephone users. Numerous other emergency service organizations have turned to wireless telephone service for use during natural disasters and severe storms when wireline service is interrupted or unavailable. As a deterrent to crime, the general public will further benefit from the Cellular Telecommunications Industry Association's donation of more than 50,000 cellular phones to "Neighborhood Watch" groups nationwide.

concerning the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forests and parks, air and water purity and fish and wildlife.

a. **Primary Facility Impact is Visual**

The wireless system of which the proposed Bristol West Facility would be a part has been designed to meet the public need for high-quality wireless service while minimizing any potential adverse environmental impact. In part because there are few, if any other adverse impacts, the primary impact of facilities such as this is visual. This visual impact will vary from location to location around a tower, depending upon factors such as vegetation, topography, the distance of nearby properties from the tower and the location of buildings and roadways in a “sight line” toward the tower. Similarly, visual impact of a tower facility can be further reduced through the proper use of alternative tower structures; so-called “stealth installations.” Where appropriate, telecommunications towers camouflaged as flagpoles, trees, and church bell towers, to name a few, can help to further reduce visual impacts associated with these structures. This is the case with respect to the Bristol West Facility. Attachment 10 contains a detailed Visual Resource Evaluation Report, prepared by VHB, Inc. (the “VHB Report”) that assesses the visual impact of the proposed flagpole tower. VHB concludes that views of the flagpole tower above the tree canopy is limited to approximately 69 acres, or less than 1% of the 8,042 acre study area. Of those 69 acres, 18 acres are on the Pequabuck Golf Club property and 16 acres are on open water of the Bristol Reservoir No. 1, to the north of the tower site.

There are only two (2) residences within 1,000 feet of the Bristol West Facility, the closest of which is located approximately 900 feet to the west.

Weather permitting, Cellco will raise a balloon with a diameter of at least three (3) feet at the proposed cell site on the day of the Council's hearing on this Application, or at a time otherwise specified by the Council.

**b. Solicitation of Agency Comments**

Section 16-50j of the General Statutes requires the Council to consult with and to solicit comments on the Application from the Commissioners of the Departments of Environmental Protection, Public Health, Public Utility Control, Economic Development, and Transportation, the Council on Environmental Quality, and the Office of Policy and Management, Energy Division. In addition to the Council's solicitation of comments, Cellco has, as a part of its National Environmental Policy Act ("NEPA") Checklist, received comments on the proposed facility from the U.S. Department of the Interior, Fish and Wildlife Service ("USFWS"), Environmental and Geographic Information Center of the Connecticut Department of Environmental Protection ("DEP") and the Connecticut Historical Commission, State Historic Preservation Officer ("SHPO"). (See Attachment 11). Both the USFWS and the DEP have confirmed that no known populations of Federal or State Endangered, Threatened or Special Concern Species occur at the proposed site. The SHPO has confirmed that a facility at the proposed sites will have no effect on historical, architectural or archeological resources listed on or eligible for the National Register of Historic Places.

This review by state administrative agencies furnishes ample expert opinion on the potential environmental impacts from the facility proposed in the Application, in the context of the criteria which the Council must consider.

c. **Non-Ionizing Radio Frequency Radiation**

In August 1996, the FCC adopted a standard for exposure to Radio Frequency (“RF”) emissions from telecommunications facilities like the one proposed in this Application. To ensure compliance with the applicable standards, the Applicant has performed maximum power density calculations for the proposed cell site according to the methodology prescribed by the FCC Office of Engineering and Technology Bulletin No. 65E, Edition 97-01 (August 1997) (“OET Bulletin 65”). The calculation is a conservative, worst-case approximation for RF power density levels at the closest accessible point to the antennas, in this case the base of the tower, and with all antennas transmitting simultaneously on all channels at full power. The calculations indicate that the maximum power density level for Cellco antennas would be 11.13% of the Standard at the Bristol West Facility.

d. **Other Environmental Issues**

No sanitary facilities are required for the Bristol West Facility. The operations at the proposed site will not cause any significant air, water, noise or other environmental impacts, or hazard to human health.

Based on agency comments received, Cellco submits that the proposed facility will have no significant adverse effect on scenic, natural, historic or recreational features, and that none of the potential effects from the facility alone or cumulatively with other effects is sufficient reason to deny this Application.

4. **Consistency with Local Land Use Controls**

The Connecticut Siting Council Application Guide for Community Antenna Television and Telecommunication Facilities, as amended on June 23, 2004, requires the inclusion of a narrative summary of the project’s consistency with the Town’s Plan of Development and Zoning

Regulations, as well as a description of planned and existing uses of the site location and surrounding properties.

a. **Planned and Existing Land Uses**

The proposed Bristol West Facility would be located on a 65-acre parcel owned by Pequabuck Golf Club of Bristol, Inc. The property is zoned R-40 Residential and is used for recreational/golf course by the owner. To the north of the golf course property are existing residential land uses; to the west is industrial land in Bristol and Plymouth; and to the east and south is reservoir land owned by the Bristol Water Department. Low density residential areas also exist to the north and west of the Old Farm Road property.

b. **Plan of Conservation and Development**

The Town of Bristol Plan of Conservation and Development 1995 (the "Plan"), does not specifically identify telecommunications towers as a land use consistent or inconsistent with the general planning or conservation policies of the Town of Bristol.

c. **Zoning Regulations**

According to the Town Zoning Map, the Bristol West Facility is located in the R-40 Residence zone. The Bristol Zoning Regulations ("Zoning Regulations"), do not regulate telecommunications facilities like that proposed in this application.

d. **Inland Wetland and Water Course Regulations**

According to site surveys and a wetlands report prepared by Dean Gustafson of VHB, Inc., the proposed cell site location described above does not contain any wetland areas that would be impacted by the proposed development activity. The closest wetland/watercourse area to the cell site is associated with the Bristol Reservoir approximately 460 feet to the north of the cell site.

In accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council for Soil and Water Conservation, adequate and appropriate soil erosion and sedimentation control measures will be established and maintained throughout the cell site construction period. In addition, Cellco will employ appropriate construction management practices to ensure that no pollutants would be discharged to any nearby watercourse or wetland areas or to area groundwater during the construction process.

According to the Federal Emergency Management Agency Flood Insurance Rate Map, Community Panel Number 090023 0005B (Effective November 18, 1981), the facility is located in Zone C, defined as an area of minimal flooding.

**5. Local Input**

Section 16-50~~(e)~~(e) of the Connecticut General Statutes, as amended, requires local input on matters before the Council. On May 26, 2006, Cellco representatives met with City of Bristol Mayor William Stortz to discuss the proposal. Mayor Stortz received copies of technical information summarizing Cellco's plans to establish a telecommunications facility at the Pequabuck Golf Club in Bristol. Because the proposed Bristol West Facility is located within 2,500 feet of the municipal boundary, Cellco representatives also met with Plymouth Town Planner William Kuehn, as the designee for Mayor Jan Krampitz.

At the request of the Bristol City Council, Cellco flew a balloon from the proposed tower site on July 7, 2006 from 1:00 p.m. to 5:00 p.m.

**6. Consultations With State and Federal Officials**

Attachment 11 and Section III.D. of the Application describe Cellco's consultations with state and federal officials regarding Cellco's proposed Bristol West Facility.

a. **Federal Communications Commission**

The FCC did not review this particular proposal. As discussed above, FCC approval is not required where the authorized service area is not enlarged.

b. **Federal Aviation Administration**

As with all of its tower applications, Cellco has conducted the appropriate air-space analysis for the proposed Bristol West Facility to determine if the proposed tower would constitute an obstruction or hazard to air navigation. Cellco's analysis has confirmed, pursuant to FAA standards, that the site would not constitute an obstruction or hazard to air navigation and therefore no obstruction marking or lighting would be required. A copy of the Federal Airway & Airspace Summary Report is included in Attachment 12.

c. **United States Fish and Wildlife Service**

According to the United States Department of the Interior, Fish and Wildlife Service, no federally-listed or proposed, threatened or endangered species or critical habitat under its jurisdiction are known to occur at the proposed Bristol West tower site. (See Attachment 11).

d. **Connecticut Department of Environmental Protection**

**Bureau of Air Management**

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this Application will require the issuance of a permit from the DEP Bureau of Air Management. As proposed, this emergency generator will be run only during the interruption of utility service to the cell site and periodically as required for maintenance purposes. Cellco will obtain the necessary permit prior to installing the generator at the facility.

e. **Connecticut State Historic Preservation Officer**

As discussed above, Attachment 11 includes the SHPO's determination that the proposed Bristol West Facility will have no effect on archeological resources listed on or eligible for the National Register of Historic Places.

**E. Estimated Cost and Schedule**

**1. Overall Estimated Costs**

The total estimated cost of construction of the proposed Bristol West Facility is \$670,000.

This estimate includes:

(1)	Cell site radio equipment of approximately	\$ 450,000
(2)	Tower, coax and antenna costs of approximately	125,000
(3)	Power systems costs of approximately	20,000
(4)	Equipment building costs of approximately	60,000
(5)	Miscellaneous costs (including site preparation and installation) of approximately	15,000

**2. Overall Scheduling**

Site preparation and engineering would commence following Council approval of Cellco's Development and Maintenance ("D & M") plan and are expected to be completed within two to four weeks. Due to the delivery schedules of the manufacturers, installation of the building and installation of the tower are expected to take an additional two weeks. Equipment installation is expected to take an additional two weeks after installation of the building and installation of the tower. Cell site integration and system testing is expected to require two weeks after equipment installation.

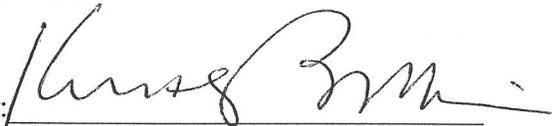
IV. CONCLUSION

Based on the facts contained in this Application, Cellco submits that the establishment of the Bristol West Facility will not have any substantial adverse environmental effects. A public need exists for high quality mobile and portable wireless service in Hartford County, as determined by the FCC and the United States Congress, and a competitive framework for providing such service has been established by the FCC and the Telecommunications Act of 1996. Cellco submits that the public need far outweighs any possible environmental effects resulting from the construction of the Bristol West Facility. Moreover, the cell site in Bristol proposed in this Application will help to provide a level of service in the area that is commensurate with the public demand currently and in the foreseeable future.

WHEREFORE, Cellco respectfully requests that the Council grant this Application for a Certificate of Environmental Compatibility and Public Need for the proposed site in Bristol.

Respectfully submitted,

CELLCO PARTNERSHIP D/B/A VERIZON  
WIRELESS

By: 

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