

THOMAS J. REGAN  
direct dial: (860) 509-6522  
tregan@brownrudnick.com

CityPlace I  
185 Asylum  
Street  
Hartford  
Connecticut  
06103  
tel 860.509.6500  
fax 860.509.6501

**VIA HAND DELIVERY**

December 8, 2006

S. Derek Phelps  
Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051


**RE: Sprint Nextel's Tower Sharing Application / Bridgeport Zoo**

Dear Mr. Phelps:

Enclosed for filing are an original and 25 copies of Sprint Nextel Corporation's Tower Sharing Application for the T-Mobile tower located with the Bridgeport Zoo. An electronic copy of this filing has been e-mailed to Ms. Fontaine and Ms. Mulcahy. Please do not hesitate to contact me with any questions.

Very truly yours,

**BROWN RUDNICK BERLACK ISRAELS LLP**

By:   
Thomas J. Regan

Enclosures

# 40237752 v1 - MERCIECM - 080583/3240

## CONNECTICUT SITING COUNCIL

In re:

Request of Sprint Nextel Corporation for the :  
Approval of the Shared Use of the Existing :  
Tower Located at 1875 Noble Avenue, :  
Bridgeport, Connecticut. : December 8, 2006

### TOWER SHARING PROPOSAL

Sprint Nextel Corporation ("Sprint") proposes herein to share an existing telecommunications tower (the "Tower") and associated compound located at Beardsley Park Zoo, 1875 Noble Avenue in Bridgeport, Connecticut (the "Facility"). Pursuant to Connecticut General Statutes §16-50aa (the "Statute"), Sprint requests a finding from the Connecticut Siting Council (the "Council") that the shared use of this Facility is technically, legally, environmentally and economically feasible, will meet public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest. Sprint further requests an order approving the proposed shared use of this Facility.

The purpose of this request is to use an existing telecommunications tower within the Beardsley Park Zoo to meet Sprint's CDMA network coverage needs in the Bridgeport area and to avoid the construction of an additional tower in Bridgeport.

#### A. The Facility

The Facility is located at the Beardsley Park Zoo at 1875 Noble Avenue in Bridgeport Connecticut. The Beardsley Park Zoo owns the property and T-Mobile owns the Tower. The existing tower is a 120-foot flagpole adjacent to the carousel building inside the Zoo. T-Mobile was approved for two spaces on the Tower - 106 feet and 116 feet. However, T-Mobile is

currently only transmitting from one set of antennas at 107 feet. AT&T is currently located at 98' but will be removing its antennas prior to Sprint installing their antennas. In addition, Sprint also has its IDEN network ("Nextel") antennas located inside the flagpole at approximately 84 feet. A site plan is attached under Tab 1.

#### B. Proposed Project

Sprint will install its panel antennas inside the flagpole with a centerline at 96 feet. Sprint's base station equipment will be located in Nextel's existing 12' x 20' equipment shed located inside the existing compound to the south of the monopole. No increase in the size of the compound or the equipment shed is anticipated due to the addition of Sprint's antennas. Sprint will also use the existing underground conduit to the existing equipment cabinet.

#### C. Technical Feasibility

Consistent with the requirements of the Statute, it is technically feasible for Sprint to collocate at this Facility. The Tower has been designed to carry the loads resulting from the collocation of Sprint's antennas and equipment at the ANSI/TIA/EIA minimum recommended standards. Attached as Tab 2 is a report from GPD Associates dated August 8, 2006 with additional information on the structural integrity of the tower.

#### D. Legal Feasibility

The Council has the authority, pursuant to the Statute, to issue an order approving the shared use of this Tower. By issuing an order approving Sprint's use of the Tower, Sprint will

be able to proceed with obtaining a building permit for its proposed installation on the tower.

Therefore, consistent with the Statute, Sprint's proposal is legally feasible.

#### E. Economic Feasibility

Sprint is a wireless telecommunications provider licensed by the Federal Communications Commission in many major United States trading areas, including Connecticut. Sprint has entered into a lease with T-Mobile for the purpose of locating Sprint's antennas and associated equipment at the Facility to provide wireless telecommunications service to this area of Bridgeport. Therefore, the shared use of this Facility is economically feasible.

#### F. Environmental Feasibility

Pursuant to the Statute, the proposal will be environmentally feasible for the following reasons:

- The overall impact on the City of Bridgeport will be decreased with the sharing of a single tower versus the proliferation of towers in this area.
- The proposal will not increase the height of the tower.
- The proposal will have an insignificant visual impact and will not alter the physical characteristics of the Facility as Sprint's antennas will be located inside the flagpole and Sprint's equipment will be located inside the existing equipment structure.
- There will be no increased impact on any wetlands or water resources.

- There will be no increased impact on air quality because no air pollutants will be generated during the normal operation of the Facility.
- There will only be a brief, slight increase in noise pollution during the attachment of the antennas.
- During construction, the proposed project will generate a small amount of traffic as workers arrive and depart and materials are delivered. Upon completion, traffic will be limited to an average of one monthly maintenance/inspection visit.

#### G. Public Safety Concerns / Benefits

There will be no adverse impact to the health and safety of the surrounding community or the workers at the Facility due to the addition of Sprint's antennas to Tower. The total radio frequency exposure measured at the Facility will be well below the National Council on Radiation Protection and Measurements' (NCRP) standard adopted by the Federal Communications Commission ("FCC"). The worst-case power density analysis for Sprint's antennas, measured at the base of the transmission tower, indicates that Sprint's antennas will emit 11.15 % of the NCRP's standard for maximum permissible exposure (see Tab 3). In addition, Sprint prepared a cumulative power density for all of the carriers on the tower (also included as Tab 3). The cumulative power density indicates that the radio-frequency energy at the Facility will never be greater than 29.46 % of the maximum permissible exposure. Therefore, Sprint's analyses clearly show that the maximum level of radio-frequency energy emitted from the Facility only by Sprint's antennas, or in conjunction with the other carrier's


antennas, will be well below the FCC mandated radio frequency exposure limits in all locations around the Tower, even with extremely conservative assumptions.

Moreover, Sprint expects to enhance the safety of the Bridgeport community as well as visitors to the Zoo by improving the wireless communications of local residents and travelers throughout the area. Currently, Sprint is unable to provide an acceptable level of service at the connection of Route 25 and Route 8 to the north of the Beardsley Park in Bridgeport. This Facility will also improve the coverage along Broadbridge Road from Route 127 to Route 108 and the residential areas surrounding those roads.

#### Conclusion

For the reasons stated above, the attachment of Sprint's antennas to this flagpole would meet all the requirements set forth in the Statute. This proposal is technically, legally, environmentally and economically feasible and meets all public safety concerns. Therefore, Sprint respectfully requests that the Council approve this request for the shared use of the T-Mobile Tower located within the Beardsley Park Zoo at 1875 Noble Avenue in Bridgeport, Connecticut.

Sprint Nextel Corporation,

By:   
Thomas J. Regan  
Brown Rudnick Berlack Israels LLP  
185 Asylum Street, CityPlace I  
Hartford, CT 06103-3402  
Phone - (860) 509-6522  
Fax - (860) 509-6501