CROWN CASTLE

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March 17, 2014

Melanie Bachman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: SiriusXM Request for Tower Share– Crown Site BU: 806359
Located at 423 Oronoque Rd., Milford, CT 06460

Ms. Bachman,

Pursuant to Connecticut General Statutes §16-50aa, as amended, Crown Castle hereby requests an order from the Connecticut Siting Council ("Council") to approve the shared use by SiriusXM of an existing telecommunications tower, owned by Crown Castle, at 423 Oronoque Rd., Milford, CT 06460. Crown Castle requests that the Council find that the proposed shared use of the tower satisfies the criteria of Connecticut General Statutes §16-50aa and issue an order approving the proposed shared use. A copy of this letter is being sent to the Benjamin G. Blake, Mayor, City of Milford, CT.

Background

The existing Crown Castle facility consists of a 100-foot monopole with several equipment cabinets and shelters located near the base of the tower. The tower is currently shared by Verizon at the 98-foot level, T-Mobile at the 83-foot level, and Metro PCS at the 73' level.

SiriusXM is licensed by the Federal Communications Commission ("FCC") to provide wireless services throughout the State of Connecticut. Crown Castle and SiriusXM have agreed to the proposed shared use of the Oronoque Rd. tower pursuant to mutually acceptable terms and conditions and Crown Castle is applying for all necessary permits and approvals that may be required for shared use of this tower.

SiriusXM is proposing to install one (1) panel antenna at the 90-foot level, one (1) 40" dish at the 45-foot level, one (1) 26" dish at the 50-foot level, and one (1) GPS antenna at the 45-foot level. Equipment associated with SiriusXM's antennas will be located in a 6' x 6' lease area. SiriusXM's concrete pad will be located within the existing compound adjacent to the tower. Included with this package are SiriusXM's project plans showing the location of all site improvements.

C.G.S.§16-50aa(c)(1) provides that "if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the council shall issue an order approving such shared use. Crown Castle respectfully submits that the shared use of the tower satisfies these criteria.

A. **Technical Feasibility**. The existing tower is structurally capable of supporting SiriusXM's antennas. The proposed shared use of this tower therefore is technically feasible. A Structural Analysis verifying the structural integrity of the existing tower, including SiriusXM's antennas and related equipment is attached to this filing.

B. **Legal Feasibility**. Under C.G.S. §16-50aa, the Council has been authorized to issue orders approving the proposed shared use of an existing tower such as the CDT tower in Stafford. This authority complements the Council's prior-existing authority under C.G.S. §16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. In addition, §16-50x(a) directs the Council to "give such consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing tower facilities. Under the statutory authority vested in the Council, an order by the Council approving the requested shared use would permit the Applicant to obtain a building permit for the proposed installations.

C. **Environmental Feasibility**. The proposed shared use of the tower would have a minimal environmental effect, for the following reasons:
   a. The proposed installation would have an insignificant incremental visual impact on the area surrounding the tower. Likewise, the installation of SiriusXM's equipment would not cause any significant change or alteration in the physical or environmental characteristics of the site. The installation of SiriusXM's equipment would not require the expansion of the developed portion of the facility compound.
   b. The proposed installations would not increase the noise levels at the existing facility by six decibels or more.
   c. Operation of the existing antennas and SiriusXM's proposed antennas on the tower would not exceed the RF emissions standards adopted by the Federal Communications Commission. The cumulative "worst-case" RF emissions for the operation of the proposed and existing communications equipment would be 2.697% of the FCC Standard.
   d. Under ordinary operating conditions, the proposed installation would not require the use of any water or sanitary facilities and would not generate air emissions or discharges to water bodies or discharges to sanitary facilities on or off the property. After construction is complete, the proposed SiriusXM installation would generate minimal increased traffic to the property, requiring only monthly maintenance visits.

   The proposed shared use of the Oronoque Rd. tower would, therefore, have a minimal environmental effect, and is, therefore, environmentally feasible.

D. **Economic Feasibility**. As previously mentioned, Crown Castle and SiriusXM have entered into an agreement to share the existing tower on mutually agreeable terms. The proposed tower sharing is therefore economically feasible.

E. **Public Safety Concerns**. As stated above, the tower is structurally capable of supporting all existing antennas, as well as SiriusXM's proposed antennas and related equipment. The provision of new or improved wireless service through shared use of the existing tower is expected to enhance the safety and welfare of area residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing Crown Castle tower at 423 Oronoque Rd. in Millford satisfies the criteria stated in C.G.S. §16-50aa and advances the General Assembly's and the Siting Council's goal of preventing the unnecessary proliferation of tower in Connecticut. The Applicant, therefore, requests that the Council issue an order approving the proposed shared use of the tower.

Thank you for your consideration of this matter.

Ryan Ivey
Crown Castle

Copy To:
Benjamin G. Blake, Mayor – City of Milford, CT