



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

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September 18, 2020

TO: Council Members

FROM: Melanie Bachman, Executive Director *MAB*

RE: Tower Share Request(s)

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For your review, staff has enclosed a summary of the pending tower share requests, which are currently scheduled for a vote on September 24, 2020. A copy of these requests has been previously provided via e-mail. If you have any questions or concerns regarding any of these requests, please feel free to contact the analyst associated with the request.

Thank you.

MAB

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**Contact Information:**

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**TOWER SHARES**

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1. **TS-VER-047-200827** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 50 Plantation Road, East Windsor, Connecticut.

This tower is an existing 133-foot high non-functional water tank owned by Plantation Properties, LLC. The underlying property is also owned by Plantation Properties, LLC. This facility was approved by the Town of East Windsor.

The tower currently supports T-Mobile/Sprint at various levels between the 109 and 125-foot levels and AT&T at the 112-foot level.

Verizon intends to install three 700/850 MHz antennas and three RRUs at the 94-foot level, three 1900/2100 MHz antennas and three RRUs at the 102-foot level and one cable on the tower. Verizon also intends to expand the existing fenced compound by 809 square feet and install one 30-kilowatt propane fueled backup generator on a 4-foot by 10-foot concrete pad, one 500-gallon propane tank on a 4-foot by 10-foot concrete pad and one equipment cabinet and utility H-frame on a 9-foot 6-inch by 12-foot concrete pad. A GPS antenna, an ice bridge, a utility meter and an underground telco/electric line would also be installed.

Commercial Mobile Radio Service (CMRS) providers are licensed by and are under the jurisdiction and authority of the Federal Communications Commission (FCC). At present, no standards for backup power for CMRS providers have been promulgated by the FCC.

A Professional Engineer duly licensed in the State of Connecticut has certified that the structure is adequate to support the proposed loading with certain recommendations.

The site would have a cumulative worst-case power density of 16.4% of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

1. Approval of any changes be delegated to Council staff;
2. Prior to Verizon's antenna installation, the tower modifications shall be installed in accordance with the Structural Analysis prepared by All Points Technology Corporation, dated July 9, 2020 and signed and stamped by Michael S. Trodden; and
3. Within 45 days following completion of equipment installation, Verizon shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Structural Analysis.

2. **TS-VER-023-200902** – Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 309 East Hill Road (f/k/a Hoffman Rd.), Canton, Connecticut.

This tower is an existing 150-foot monopole owned by American Tower Corporation. The underlying property is owned by James H. & Katherine E. Hart. The Council issued a Certificate to Southern New England Telephone Company in Docket No. 62 on August 4, 1986, with the condition that “construction activities shall take place during daylight working hours.”

The tower currently supports AT&T at the 150-foot level and T-Mobile at the 140-foot level.

Verizon intends to install three 700/850 MHz antennas, three 1900/2100 MHz antennas and six RRUs on a platform antenna mount at the 118-foot level and two cables on the tower. Verizon also intends to install one 30-kilowatt diesel fueled backup generator on a 3-foot 6-inch by 8-foot concrete pad, one equipment cabinet on a 4-foot by 4-foot concrete pad and a utility H-frame. A GPS antenna, an ice bridge, a utility meter, and an underground telco/electric line would also be installed.

Commercial Mobile Radio Service (CMRS) providers are licensed by and are under the jurisdiction and authority of the Federal Communications Commission (FCC). At present, no standards for backup power for CMRS providers have been promulgated by the FCC.

A Professional Engineer duly licensed in the State of Connecticut has certified that the structure is adequate to support the proposed loading with certain recommendations.

The site would have a cumulative worst-case power density of 10.5% of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

1. Approval of any changes be delegated to Council staff;
2. Construction activities shall take place during daylight working hours consistent with Condition No. 8 of the Council’s Decision and Order in Docket No. 62;
3. Prior to Verizon’s antenna installation, the tower modifications shall be installed in accordance with the Structural Analysis prepared by American Tower Corporation, dated August 13, 2020 and signed and stamped by Esha Kaushal Modi; and
4. Within 45 days following completion of equipment installation, Verizon shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Structural Analysis.