



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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August 7, 2020

TO: Council Members

FROM: Melanie Bachman, Executive Director *MAB*

RE: Tower Share Request(s)

For your review, staff has enclosed a summary of the pending tower share requests, which are currently scheduled for a vote on August 13, 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

Contact Information:

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TOWER SHARES

- 1. TS-DRW-054-200626** - DRW NX request for an order to approve tower sharing at an existing telecommunications facility located at Birch Mountain Road, Glastonbury, Connecticut.

This tower is an existing 200-foot self-supporting lattice tower owned by Crown Castle, LLC. The underlying property is owned by Scarrone Park, LLC. This facility was approved by the Town of Glastonbury.

The tower currently supports T-Mobile at 182 feet and Sprint at 170 feet.

DRW NX intends to install three 6-foot diameter 6-GHz Microwave dish antennas and six radio units at the 190-foot level and twenty-seven cables on the tower. DRW NX also intends to install one equipment cabinet within the existing equipment building at ground level. A utility meter and a telco/electric line would also be installed.

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 8.1% of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any changes be delegated to Council staff;
- Prior to DRW NX's dish installation, the tower modifications shall be installed in accordance with the Structural Analysis prepared by Crown Castle, dated June 5, 2020 and stamped and signed by Maham Barimani; and
- Within 45 days following completion of equipment installation, DRW NX shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Structural Analysis.

- 2. TS-DRW-169-200626** - DRW NX request for an order to approve tower sharing at an existing telecommunications facility located at 215 Coatney Hill Road, Woodstock, Connecticut.

This tower is an existing 190-foot monopole owned by SBA Communications Corporation. The underlying property is owned by the Town of Woodstock. This facility was approved by the Town of Woodstock on January 19, 2001.

The tower currently supports AT&T at 185 feet and T-Mobile at 177 feet.

DRW NX intends to install one 6-foot diameter 6-GHz microwave dish antenna, one 3-foot diameter 6-GHz microwave dish antenna and four radio units at the 157-foot level and eighteen cables on the tower. DRW NX also intends to install one equipment cabinet on a 4-foot by 8-foot equipment platform with ice canopy at ground level. An ice bridge, a utility meter and a telco/electric line would also be installed.

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

The site would have a cumulative worst-case power density of 4.7% of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following condition:

- Approval of any changes be delegated to Council staff.

3. TS-DRW-144-200629 - DRW NX request for an order to approve tower sharing at an existing telecommunications facility located at 800 Booth Hill Road, Trumbull, Connecticut.

This tower is an existing 457-foot guyed lattice tower owned by Crown Castle. The underlying property is also owned by Crown Castle. This facility was approved by the Town of Trumbull.

The tower currently supports T-Mobile's equipment at the 247-foot level and Verizon's equipment at the 232-foot level.

DRW NX intends to install two 6-foot diameter 6-GHz Microwave dish antennas and four radio units at the 450-foot level and eighteen cables on the tower. DRW NX also intends to install one equipment cabinet on a 4-foot by 8-foot equipment platform with an ice canopy at ground level. An ice bridge, a utility meter and a telco/electric line would also be installed.

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 27.9% of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any changes be delegated to Council staff;
- Prior to DRW NX's dish installation, the non-carrier equipment shall be removed in accordance with the Structural Analysis prepared by Tower Engineering Professionals, dated June 11, 2020 and stamped and signed by Aaron Thomas Rucker; and
- Within 45 days following completion of equipment installation, DRW NX shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Structural Analysis.