



**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

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September 3, 2021

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 September 9, 2021. 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-DISH-083-210621A** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 90 Industrial Park Road, Middletown, Connecticut.

This tower is a 185-foot monopole owned by Crown Castle. The underlying property is owned by Airline Avenue Realty. This facility was approved by the City of Middletown.

The tower currently supports T-Mobile at the 183-foot level, AT&T at the 174-foot level and Verizon at the 155-foot level.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 165-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet, one power protection cabinet and one proposed H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 12.7% 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; and
- The existing equipment referenced in table 2 of the Structural Analysis prepared by Crown Castle, dated May 26, 2021 and stamped and signed by Terry P. Styran, must be removed prior to DISH's antenna installation in accordance with the above referenced Structural Analysis.

2. **TS-DISH-061-210630** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at Hubbard Road (a/k/a 270 Hubbard Road), Haddam, Connecticut.

This tower is a 160-foot monopole owned by SBA. The underlying property is owned by Richard and Beverly Watral. This facility was approved by the Town of Haddam.

The tower currently supports T-Mobile at the 157-foot level.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 145-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet and one H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 13.2 % of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any project changes be delegated to Council staff.

3. **TS-DISH-036-210802** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 220 Winthrop Road, Deep River, Connecticut.

This tower is a 180-foot monopole owned by SBA. The underlying property is owned by the Town of Deep River (Town). This facility was approved by the Town.

The tower currently supports Verizon at the 178-foot level, Sprint/T-Mobile at the 166/160-foot levels and AT&T at the 150-foot level.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 140-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet and one H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 30.1 % of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any project changes be delegated to Council staff.

4. **TS-DISH-038-210802** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 134R (a/k/a 128R) Creamery Road, Durham, Connecticut.

This tower is a 109-foot monopole owned by SBA. The underlying property is owned by Rising Sun Towers, LLC. The Council issued a Certificate to Sprint Spectrum, L.P. d/b/a Sprint PCS in Docket No. 254 on December 9, 2003.

The tower currently supports Verizon at the 108-foot level, Sprint/T-Mobile at the 96-foot level and the Town of Durham at the 78.5-foot and 71.7-foot levels.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 140-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet and one H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 88.2 % of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any project changes be delegated to Council staff;

5. **TS-DISH-082-210802** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 393 Jackson Hill Road, Middlefield, Connecticut.

This tower is a 150-foot monopole owned by SBA. The underlying property owner is the Town of Middlefield (Town). This facility was approved by the Town.

The tower currently supports AT&T at the 150-foot level, Verizon at the 140-foot level, the Town at the 109/119/124-foot levels and T-Mobile at the 88-foot level.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 98-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet and one H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 57.1% of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any project changes be delegated to Council staff.

6. **TS-DISH-131-210819** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 625 Spring Street, Southington, Connecticut.

This tower is a 160-foot monopole owned by Crown Castle. The underlying property owner is Global Signal Acquisitions II LLC. This facility was approved by the Town of Southington.

The tower currently supports AT&T at the 156-foot level, Sprint/T-Mobile at the 146-foot level and Verizon at the 132-foot level.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 140-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet and one H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 34.3 % of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any project changes be delegated to Council staff;

7. **TS-DISH-070-210819** - DISH Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 14 Route 80, Killingworth, Connecticut.

This tower is a 160-foot self-support lattice tower owned by Crown Castle. The underlying property owner is 14 Route 80, LLC. The Council issued a Certificate to Metro Mobile CTS of Hartford, Inc. in Docket No. 69 on February 18, 1987, with the condition that “No construction activities shall take place outside the hours of 7:00 A.M to 7:00 P.M, Monday through Saturday.”

The tower currently supports Verizon at the 157-foot level, Sprint/T-Mobile at the 144-foot level, Crown Castle at the 118-foot level and AT&T at the 90-foot level.

Dish intends to install three 600/1900/2100 MHz antennas, and six RRUs on a platform antenna mount at the 140-foot level and one cable on the tower. The proposed 600 MHz antennas would be capable of providing 5G services. Dish also intends to install one equipment cabinet and one H-frame on a 7-foot by 5-foot steel equipment platform. A GPS antenna, an ice bridge, a utility meter and an underground 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 21.8 % of the applicable limit using a -10 dB off-beam adjustment.

If approved, staff recommends the following conditions:

- Approval of any project changes be delegated to Council staff; and
- No construction activities shall take place outside the hours of 7.00 A.M to 7.00 P.M, Monday through Saturday in accordance with condition No. 6 of the Council’s Decision and Order in Docket No. 69.