

October 15, 2021

TO: Council Members

FROM: Melanie Bachman, Executive Director

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 October 21, 2021. A copy of these requests has been previously provided via 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:

All Filings – Ifeanyi Nwankwo (860) 827-2941 Ifeanyi.Nwankwo@ct.gov

TOWER SHARES

1. **TS-T-MOBILE-133-210831** - T-Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 0 (a/k/a 147) Baltic Hanover Road, Sprague, Connecticut.

This tower is a 175-foot self-supporting lattice tower owned by Wireless Solutions, LLC. The underlying property is owned by The Town of Sprague (Town). This facility was approved by the Town.

The tower currently supports AT&T at the 173-foot level and Verizon at the 162-foot level.

T-Mobile intends to install three 1900/2100 MHz antennas, three 600/700 MHz antennas, three 2500 MHz antennas and six RRUs on three sector frame antenna mounts at the 155-foot level and three cables on the tower. The proposed 600 MHz antennas and 2500 MHz antennas would be capable of providing 5G services. T-Mobile also intends to install two equipment cabinets and a 35-kilowatt diesel fueled emergency backup generator with a double walled base tank on a proposed 15-foot by 15-foot concrete pad within a proposed 20-foot 5-inch by 14-foot extension of the existing fenced compound within the existing lease area at ground level. A GPS antenna, an ice bridge, one automatic transfer switch, 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.

The site would have a cumulative worst-case power density of 13.4% of the applicable limit using a -10 dB off-beam adjustment for broadcast panel antennas and a -20 dB off-beam adjustment for highly focused parabolic antennas (i.e., 2500 MHz).

If approved, staff recommends the following condition:

- Approval of any changes be delegated to Council staff.

2. **TS-T-MOBILE-032-210831** - T-Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 138 Main Street, Coventry, Connecticut.

This tower is a 100-foot monopole owned by Richard Pelletier. The underlying property is also owned by Richard Pelletier. The Council issued a Declaratory Ruling to New Cingular Wireless PCS, LLC for this facility in Petition No. 779 on August 31, 2006.

The tower currently supports Verizon at the 100-foot level and AT&T at the 90-foot level.

T-Mobile intends to install three 1900/2100 MHz antennas, three 600/700 MHz antennas, three 2500 MHz antennas and six RRUs on a platform antenna mount at the 80-foot level and three cables on the tower. The proposed 600 MHz antennas and 2500 MHz antennas would be capable of providing 5G services. T-Mobile also intends to install three equipment cabinets and a 25-kilowatt diesel fueled emergency backup generator on a proposed 14-foot by 14-foot concrete pad within its proposed equipment area south of the existing AT&T equipment shelter, an existing owner's building and adjacent to the site's electric transformer and telephone connections. Presently no fence surrounds existing carrier equipment shelters within the existing lease area. T-Mobile would install a proposed 15-foot by 15-foot chain link fence with an 8-foot wide access gate around its equipment area and bollards around the fence. A GPS antenna, an ice bridge, one automatic transfer switch, 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.

The site would have a cumulative worst-case power density of 84.8% of the applicable limit using a -10 dB off-beam adjustment for broadcast panel antennas and a -20 dB off-beam adjustment for highly focused parabolic antennas (i.e., 2500 MHz).

If approved, staff recommends the following condition:

- Approval of any changes be delegated to Council staff.

3. **TS-DISH-027-210917** - Dish Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 48 Cow Hill Road, Clinton, Connecticut.

This tower is a 212-foot self-supporting lattice tower owned by Crown Castle. The underlying property is owned by Raymond Hesser. The Council issued a Certificate to Metro Mobile CTS of Hartford Inc. for this facility in Docket No. 148 on May 5, 1992.

The tower currently supports Verizon at the 208/130/60-foot levels, Sprint/T-Mobile at the 196/175/135-foot levels, and AT&T at the 190-foot level.

Dish intends to install three 600/1900/2100 MHz antennas and six RRUs on three sector frame antenna mounts at the 118-foot level and one cable on the tower. The proposed 600/1900/2100 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 within the existing fenced compound. 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 14.9% 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.

4. **TS-T-MOBILE-056-210921** - T-Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 150 Lost Acres Road, Granby, Connecticut.

This tower is a 170-foot self-supporting tower owned by SBA Towers II, LLC. The underlying property is owned by John G. Lombardi & Deborah Lindsey Lombardi. This facility was approved by the Town of Granby.

The tower currently supports AT&T at the 170-foot level and Verizon at the 160-foot level.

T-Mobile intends to install three 1900/2100 MHz antennas, three 600/700 MHz antennas, three 2500 MHz antennas and six RRUs on three sector frame antenna mounts at the 150-foot level and three cables on the tower. The proposed 600 MHz antennas and 2500 MHz antennas would be capable of providing 5G services. T-Mobile also intends to install two equipment cabinets and a 25-kilowatt diesel fueled emergency backup generator with a 220 gallon double walled base tank on a proposed 10-foot by 15-foot concrete pad with a 10-foot by 8-foot ice canopy within the existing fenced compound at ground level. A GPS antenna, an ice bridge, one automatic transfer switch, 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.

The site would have a cumulative worst-case power density of 14.8% of the applicable limit using a -10 dB off-beam adjustment for broadcast panel antennas and a -20 dB off-beam adjustment for highly focused parabolic antennas (i.e., 2500 MHz).

If approved, staff recommends the following condition:

- Approval of any changes be delegated to Council staff.

5. **TS-DISH-111-210924** - Dish Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 171 Town Hill Road, Plymouth, Connecticut.

This tower is a 169-foot monopole owned by Crown Castle. The underlying property is owned by Terryville Country Fair Inc. This facility was approved by the Town of Plymouth.

The tower currently supports Sprint/T-Mobile at the 165/155/125-foot levels, Verizon at the 142-foot level, and AT&T at the 115-foot level.

Dish intends to install three 600/1900/2100 MHz antennas and six RRUs on a platform antenna mount at the 132-foot level and one cable on the tower. The proposed 600/1900/2100 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 within the existing equipment compound. 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 26.9% 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.

6. **TS-DISH-078-210924** - Dish Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 497 Middle Turnpike, Mansfield, Connecticut.

This tower is a 120-foot monopole owned by Crown Castle. The underlying property is owned by CMC Storrs SPV, LLC. The Council issued a Certificate to AT&T Wireless PCS, LLC d/b/a AT&T Wireless for this facility in Docket No. 247 on September 12, 2003, with the condition that “Construction activities shall be conducted between November 1 and April 1 in order to minimize possible disturbance of any *Clemmys insculpta* (wood turtles) in the vicinity of the site.”

The tower currently supports AT&T at the 120-foot level, and Verizon at the 109-foot level.

Dish intends to install three 600/1900 MHz antennas and six RRUs on a platform antenna mount at the 99-foot level and one cable on the tower. The proposed 600/1900 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 within the existing equipment compound. 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 10.8% 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
- Construction activities shall be conducted between November 1 and April 1 in order to minimize possible disturbance of any *Clemmys insculpta* (wood turtles) in the vicinity of the site, in accordance with Condition No. 3 of the Council’s Decision and Order in Docket No. 247.

7. **TS-DISH-103-210927** – Dish Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 50 Rockland Road, Norwalk, Connecticut.

This tower is a 180-foot self-supporting lattice tower owned by Crown Castle. The underlying property is also owned by Crown Castle. The Council issued a Certificate to Metro Mobile CTS of Fairfield County, Inc. in Docket No. 73 on April 1, 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 Sprint/T-Mobile at the 170/148-foot levels, Verizon at the 157/126-foot levels, and AT&T at the 112-foot level.

Dish intends to remove two existing vacant sidearm antenna mounts at the 178-foot level and install three 600/1900/2100 MHz antennas and six RRUs on three sector frame antenna mounts at the top level and one cable on the tower. The proposed 600/1900/2100 MHz antennas would be capable of providing 5G services. Dish also intends to remove an existing concrete pad and install one equipment cabinet, one power protection cabinet and one proposed H-frame on a 7-foot by 5-foot steel equipment platform within the existing equipment compound. 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 24.0% 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;
- Prior to Dish’s antenna installation, the existing vacant sidearm antenna mounts at the 178-foot level of the tower shall be removed in accordance with the Structural Analysis prepared by Crown Castle, dated June 7, 2021, and stamped and signed by Maribel Dentinger; 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. 7 of the Council’s Decision and Order in Docket No. 73.

8. **TS-DISH-066-210927** – Dish Wireless LLC request for an order to approve tower sharing at an existing telecommunications facility located at 64 Hungerford Lane, Harwinton, Connecticut.

This tower is a 178-foot monopole owned by Crown Castle. The underlying property is owned by Red Wolf Broadcasting Corporation. This facility was approved by the Town of Harwinton.

The tower currently supports Sprint/T-Mobile at the 178-foot level, Verizon at the 168-foot level, and AT&T at the 156-foot level.

Dish intends to install three 600/1900/2100 MHz antennas and six RRUs on a platform antenna mount at the 148-foot level and one cable on the tower. The proposed 600/1900/2100 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 within the existing equipment compound. 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 12.3% 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.