



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Petition No. 325

Metro Mobile CTS of Hartford, Inc.
590 Asylum Street
Hartford, CT

Staff Report
August 9, 1994

On July 29, 1994, Connecticut Siting Council (Council) member Daniel P. Lynch, Jr., Council staff member Stephen M. Howard, and Thomas Krummenacker representing Metro Mobile CTS of Hartford, Inc. (Metro Mobile), met at the site of the proposed cellular telecommunications facility at 590 Asylum Street, in Hartford, Connecticut.

Metro Mobile is proposing to install nine panel antennas, three each at three locations on the building. The antennas are each approximately 35 inches in height, 12 inches wide, and five inches deep. Six of the nine antennas would be attached to the building facade just below the roof line. The three remaining antennas would be mounted on the outside wall of the building's elevator penthouse. Associated equipment would be located in an equipment shelter measuring approximately 15.5 feet by 27 feet by 10 feet, to be assembled on the roof of the building. The antennas would be mounted at heights ranging from 102 feet above ground level and 112 feet above ground level. This building is not listed on any historical or architectural register, nor would it require any structural modification to support the proposed installation.

The maximum (i.e., "worst case") radio frequency power density calculations, assuming 19 channels operating simultaneously at 100 watts effective radiated power in an omni directional pattern, at the closest occupied floor of the building which is approximately 20 feet below the lowest antenna mounting point, indicate that the cellular antennas would emit 0.067 milliwatts per square centimeter or 11.4 percent of the current ANSI standard. This calculation does not take into account the directional nature of the proposed antennas, which would likely result in a lower actual radio frequency power density at this occupied level.

Metro Mobile contends that the proposed construction would not have a substantial adverse environmental effect and therefore would not require a Certificate of Environmental Compatibility and Public Need from the Council.

Stephen M. Howard
Siting Analyst

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