



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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Petition No. 154
Southern New England Telephone Company
Stamford, Connecticut

Southern New England Telephone Company (SNET) is petitioning the Siting Council (Council) for a ruling that no certificate of environmental compatibility and public need (certificate) is required for SNET's proposed addition of up to six cellular telephone antennas to its existing tower in Stamford, Connecticut. This 125' self-supporting tower is located on the roof of SNET's Central Office at 555 Main Street in Stamford. This Tower was the subject of a previous Council ruling, Petition No. 128. On May 22, 1985, Chairperson Gloria Dibble Pond, Dr. William H. Smith and Robert K. Erling of the Council conducted a field review of SNET's petition to add a 10' dish antenna to this tower. The Council subsequently ruled that no certificate was required for the addition of this dish.

SNET states that because of the tall buildings in metropolitan Stamford, cellular system customers are experiencing weak signals and impaired transmissions in the Stamford area. The addition of a cellular site in downtown Stamford would alleviate the problems now being experienced.

SNET proposes to add four transmit and two receive antennas to the existing Stamford tower, thus precluding the necessity of constructing an additional tower in this area. The additional 13' whip antennas would be mounted on brackets near the top of the tower and would not project above the existing lightning rod and obstruction light which is the highest point on this tower. Maximum power densities at the base of the tower are calculated to be 0.00866 mW/cm^2 , which is some 300 times lower than the American National Standards Institute of 2.933 milliwatts per square centimeter for this frequency. This cell site has been designed to interface with adjacent SNET cell sites in Stamford and Norwalk and has been frequency coordinated with the NYNEX cellular system.

SNET asserts that the proposed addition does not constitute a modification of an existing facility as defined in the Connecticut General Statutes, (CGS), Section 16-50i(d), and that no certificate is required pursuant to Section 16-50k of this CGS, as the proposed modification would not have substantial adverse environmental effect.

Mr. Donald Chapman of SNET confirmed to Staff that only FCC notification is necessary.

Robert K. Erling
Siting Analyst
2/19/86

RKE/cp