

JULIE D. KOHLER

PLEASE REPLY TO: Bridgeport
E-Mail Address: jlanger@cohenandwolf.com

April 25, 2012

VIA REGULAR MAIL and ELECTRONIC MAIL

Ms. Linda L. Roberts
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

***Re: Docket No. 425 – Message Center Management Application
for a Certificate of Environmental Compatibility and Public
Need for a Telecommunications Facility at 4 Dittmar Road
in the town of Redding, Connecticut***

Dear Ms. Roberts:

Enclosed herein please find an original and fifteen (15) copies of the following documents filed on behalf of the Intervenor, T-Mobile Northeast LLC:

- (1) Post-Hearing Brief of Intervenor, T-Mobile Northeast LLC; and
- (2) T-Mobile's Proposed Findings of Fact.

Very truly yours,


Julie D. Kohler

JDK:lcc
Enclosures

cc: Service List (via electronic and first class mail)

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

RE: APPLICATION OF MESSAGE CENTER
MANAGEMENT, INC. FOR A CERTIFICATE
OF ENVIRONMENTAL COMPATIBILITY AND
PUBLIC NEED FOR THE CONSTRUCTION,
MAINTENANCE, AND OPERATION OF A
REPLACEMENT TELECOMMUNICATIONS
FACILITY LOCATED AT 4 DITTMAR ROAD,
IN THE TOWN OF REDDING, CONNECTICUT

DOCKET NO. 425

Date: April 26, 2012

T-MOBILE'S PROPOSED FINDINGS OF FACT

Pursuant to § 16-50j-31 of the Regulations of Connecticut State Agencies, the Intervenor, T-Mobile Northeast LLC ("T-Mobile") submits these proposed findings of fact.

Introduction

1. On January 6, 2012, pursuant to General Statutes § 16-50aa and § 16-50j-34 of the Regulations of Connecticut State Agencies Message Center Management, Inc. ("MCM") filed with the Connecticut Siting Council ("Council") an application for Certificate of Environmental Compatibility and Public Need ("Application") for the construction, operation and maintenance of a wireless telecommunications facility ("Facility") at 4 Dittmar Road, Redding, Connecticut ("Property"). (*MCM Exhibit 1.*)

2. On February 2, 2012, pursuant to General Statutes § 16-50n and Regulations of Connecticut State Agencies § 16-50j-15a, T-Mobile filed a Petition to Intervene in Docket 425, as the Facility would be an important component of T-Mobile's network design in Fairfield County. (*T-Mobile Petition to Intervene, dated February 2, 2012.*)

3. Pursuant to General Statutes § 16-50m, the Council, after giving due notice thereof, held a public hearing on March 27, 2012, beginning at 3:00p.m., and

continued to 7:00p.m., at the Redding Community Center, 37 Lonetown Road, Redding, Connecticut. The Council closed the hearing on March 27, 2012. (*Hearing Notice; 7:00 pm Hearing Transcript, pp. 52-53.*)

4. The Council and its staff conducted a field review of the Site on March 27, 2012, at 2:00 p.m. (*Hearing Notice.*)

Need

5. There is a coverage gap in T-Mobile's network in the areas surrounding the proposed Facility. (*Pre-Filed Testimony of Scott Heffernan ["Heffernan,"] pp. 3-4; T-Mobile's Responses to the Council's First Set of Interrogatories dated February 15, 2012 "T-Mobile First Interrog. Resp."].*)

6. The coverage gap in the areas surrounding the proposed Facility consists of coverage below T-Mobile's minimum design threshold of -84 dBm. (*Heffernan, pp. 3-4; T-Mobile First Interrog. Resp.*)

7. T-Mobile experiences an existing coverage gap along Route 58 (Black Rock Turnpike) of approximately 8.5 miles, and along Route 107 of approximately 4.8 miles. (*T-Mobile First Interrog. Resp.*)

8. The Facility would be an integral component of T-Mobile's wireless network in the Town of Redding ("Town"). The Facility would remedy the T-Mobile coverage gaps, specifically along Route 107 and Route 58 (Black Rock Turnpike) and the areas surrounding the site of the proposed Facility. (*Heffernan, pp. 3-4; T-Mobile First Interrog. Resp.*)

9. T-Mobile experiences an average dropped call rate of 8.15% for the major serving cells oriented toward the proposed Facility's coverage footprint. (*T-Mobile First Interrog. Resp.*)

Coverage

10. To provide effective coverage in the area of the proposed Facility, T-Mobile would need to mount its antenna array at 120 feet above grade level ("AGL"). At lower heights the coverage starts to deteriorate and fall below T-Mobile's minimum required threshold of -84 dBm. (*Heffernan, p. 5; T-Mobile First Interrog. Resp.*)

11. An antenna array at 120 feet AGL would allow T-Mobile to overcome the mature vegetation and topography in the area, and achieve the coverage objective. (*Heffernan, pp. 4-5; T-Mobile First Interrog. Resp.*)

12. An antenna array at 120 feet AGL would allow T-Mobile to provide reliable 911/emergency call service to T-Mobile users. (*Heffernan, p. 5.*)

Site Search

13. T-Mobile initiated the site search in this area of Redding on or about November 15, 2007. (*Heffernan, p. 4.*)

14. Prior to MCM's decision to propose the Facility, T-Mobile inquired about the possibility of co-locating on the existing facility at the Property ("Existing Facility"). It was determined that the Existing Facility was not structurally capable of supporting T-Mobile's equipment. (*MCM Exhibit 1, Attachment 2.*)

T-Mobile's Equipment for the Facility

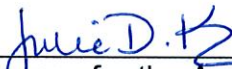
15. T-Mobile would locate up to 9 panel antennas, 6 tower mounted amplifiers, and 6 remote radio units on a low profile platform at a centerline height of 120 feet AGL, as well as ground based equipment near the base of the Facility. (*MCM Exhibit 1, p. 10.*)

16. T-Mobile would utilize battery back-up for emergency power. (*T-Mobile First Interrogatory Responses to the Town of Redding ["T-Mobile Responses to Town"].*)

Dated at Bridgeport, Connecticut this 26th day of April, 2012.

**THE INTERVENOR,
T-MOBILE NORTHEAST LLC**

By:



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CERTIFICATION OF SERVICE

I hereby certify that on this day a copy of the foregoing was delivered by Electronic Mail and regular mail, postage prepaid, to all parties and intervenors of record, as follows:

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Julie D. Kohler

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

RE: APPLICATION OF MESSAGE CENTER
MANAGEMENT, INC. FOR A CERTIFICATE
OF ENVIRONMENTAL COMPATIBILITY AND
PUBLIC NEED FOR THE CONSTRUCTION,
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FACILITY LOCATED AT 4 DITTMAR ROAD,
IN THE TOWN OF REDDING, CONNECTICUT

DOCKET NO. 425

Date: April 26, 2012

**POST-HEARING BRIEF OF
INTERVENOR T-MOBILE NORTHEAST LLC**

Pursuant to § 16-50j-31 of the Regulations of Connecticut State Agencies, T-Mobile Northeast LLC ("T-Mobile") submits this post-hearing brief in support of the above-captioned Application for Certificate of Environmental Compatibility and Public Need ("Application"). This brief addresses T-Mobile's need for a facility in the area of the replacement telecommunications facility proposed by Message Center Management, Inc. ("MCM").¹

I. BACKGROUND

On January 6, 2012, MCM filed the Application with the Connecticut Siting Council ("Council"), seeking to construct, operate and maintain a replacement wireless telecommunications facility ("Facility") at 4 Dittmar, Redding ("Property"). On February 2, 2012, pursuant to General Statutes § 16-50n and Regulations of Connecticut State Agencies § 16-50j-15a, T-Mobile filed a Petition to Intervene in Docket 425, as the

¹ T-Mobile submits its Proposed Findings of Fact contemporaneously with this Post-Hearing Brief.

Facility would be an important component of T-Mobile's network design in Fairfield County. (*T-Mobile Petition to Intervene, dated February 2, 2012.*)

T-Mobile would locate up to 9 panel antennas, 6 tower mounted amplifiers, and 6 remote radio units on a low profile platform at a centerline height of 120 feet AGL, as well as ground equipment near the base of the Facility. (*MCM Exhibit 1, p. 10.*) T-Mobile would utilize battery back-up for emergency power which would provide a backup duration of 12-16 hours. (*T-Mobile First Interrogatory Responses to the Town of Redding ["T-Mobile Responses to Town"];3:00 Hearing Transcript ["3:00 Tr."], p. 106.*)

II. A SIGNIFICANT PUBLIC NEED EXISTS FOR THE FACILITY

General Statutes § 16-50p (a) (3) (A) mandates that the Council "shall not grant a certificate, either as proposed or as modified by the council, unless it shall find and determine . . . a public need for the facility and the basis of the need" The record demonstrates amply that there is a significant public need for the Facility, specifically a need for T-Mobile.

T-Mobile initiated the site search in this area of Redding on or about November 15, 2007. T-Mobile inquired about the possibility of co-locating on the existing guyed facility at the Property ("Existing Facility"). It was determined that the Existing Facility was not structurally capable of supporting T-Mobile's equipment. (*Pre-Filed Testimony of Scott Heffernan ["Heffernan,"] p. 4; MCM Exhibit 1, p. 9 and Attachment 2.*)

There is a coverage gap in T-Mobile's network in the areas surrounding the proposed Facility. The coverage gap in the areas surrounding the proposed Facility consists of coverage below T-Mobile's minimum design threshold of -84 dBm. T-Mobile

experiences an existing coverage gap along Route 58 (Black Rock Turnpike) of approximately 8.5 miles, and along Route 107 of approximately 4.8 miles. Specifically, T-Mobile experiences an average dropped call rate of 8.15% for the major serving cells oriented toward the proposed Facility's coverage footprint. (*T-Mobile's Responses to the Council's First Set of Interrogatories* ["*T-Mobile First Interrog. Resp.*"].)

The Facility would therefore be an integral component of T-Mobile's wireless network in the Town of Redding ("Town"). The Facility would remedy the T-Mobile coverage gaps, specifically along Route 107 and Route 58 (Black Rock Turnpike) and the areas surrounding the site of the proposed Facility. (*Heffernan*, pp. 3-4; *T-Mobile First Interrog. Resp.*) T-Mobile plans to address any remaining coverage gaps with the use of 3 other facilities in the area that are either existing or approved. (*3:00 Tr. p. 87.*)

To provide effective coverage in the area of the proposed Facility, T-Mobile would need to mount its antenna array at 120 feet above grade level ("AGL"). An antenna array at 120 feet AGL would allow T-Mobile to overcome the mature vegetation and topography in the area, and achieve the coverage objective. At lower heights the coverage starts to deteriorate and fall below T-Mobile's minimum required threshold of -84 dBm. Specifically, the next available height below the requested 120 foot centerline would be 85 feet, which would result in service that would be so degraded it wouldn't be useable. Finally, an antenna array at 120 feet AGL would allow T-Mobile to provide reliable 911/emergency call service to T-Mobile users. (*Heffernan*, pp. 4-5; *T-Mobile First Interrog. Resp.*; *3:00 Tr. pp. 99, 106.*)

The record clearly establishes that the Facility would alleviate coverage issues for T-Mobile's network. The Facility, therefore, would meet a significant public need for improved wireless telecommunications in the Town.


Additionally, the approval of the Facility would comport with the Connecticut legislature's determination that the sharing of towers to avoid the unnecessary proliferation of towers is in the public interest. General Statutes § 16-50aa; *see also* General Statutes §16-50p (b)(1)(A). The Facility would provide co-location opportunities for T-Mobile, and will support the relocation of AT&T and Sprint/Nextel from the Existing Tower.

III. CONCLUSION

The record supports the approval of a certificate for the Facility. The Facility is necessary to provide adequate wireless coverage in this area of the Town for T-Mobile. T-Mobile requests that the Council issue a certificate for the Facility, reflecting in its Decision and Order, consistent with General Statutes § 16-50x, that such approval satisfies and is in lieu of all local and state approvals and certifications.

**THE INTERVENOR,
T-MOBILE NORTHEAST LLC**

By:



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CERTIFICATION OF SERVICE

I hereby certify that on this day a copy of the foregoing was delivered by Electronic Mail and regular mail, postage prepaid, to all parties and intervenors of record, as follows:

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