

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
NORTHEAST UTILITIES SERVICE
COMPANY APPLICATION TO THE
CONNECTICUT SITING COUNCIL
FOR A CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY
AND PUBLIC NEED ("CERTIFICATE")
FOR THE CONSTRUCTION OF A
NEW 345-KV ELECTRIC TRANSMISSION
LINE FACILITY AND ASSOCIATED
FACILITIES BETWEEN SCOVILL
ROCK SWITCHING STATION IN
MIDDLETOWN AND NORWALK
SUBSTATION IN NORWALK, INCLUDING
THE RECONSTRUCTION OF PORTIONS
OF EXISTING 115-KV AND 345-KV
ELECTRIC TRANSMISSION LINES,
THE CONSTRUCTION OF BESECK
SWITCHING STATION IN
WALLINGFORD, EAST DEVON
SUBSTATION IN MILFORD, AND
SINGER SUBSTATION IN BRIDGEPORT,
MODIFICATIONS AT SCOVILL ROCK
SWITCHING STATION AND NORWALK
SUBSTATION, AND THE
RECONFIGURATION OF CERTAIN
INTERCONNECTIONS

DOCKET NO. 272

JANUARY 10, 2005

**PRE-HEARING QUESTIONS TO KEMA, INC.
FROM THE TOWNS OF DURHAM AND WALLINGFORD**

The Towns of Durham and Wallingford (collectively the "Towns") submit the following Pre-Hearing Questions to KEMA, Inc. in connection with the Application to the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need for the construction of a new 345-kV electric transmission line facility and associated facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, including the reconstruction of portions of existing 115-kV and 345-kV electric transmission lines, the construction of Beseck Switching Station in Wallingford, East Devon Substation in Milford, and Singer Substation in Bridgeport, modifications at Scovill Rock Switching Station and Norwalk Substation, and the reconfiguration of certain interconnections (the "Application"). The Towns request that KEMA, Inc. respond by January 11, 2005.

1. Please identify the studies that would be required for KEMA, Inc. to evaluate and mitigate transients and harmonics concerns identified in the Final Report of the Reliability and Operability Committee dated December 20, 2004 (the "Final Report"), in order to enable the Siting Council to consider a route consisting of "Case 5" (as defined in the Final Report), plus an additional 20 miles of underground cables originating from Oxbow Junction through Durham, Middletown and Milford to Beseck Switching Station, and continuing through Wallingford.

2. With respect to your answer to interrogatory #1, please state the amount of time that KEMA, Inc. would need to perform these studies.

3. Please identify the studies that would be required for KEMA, Inc. to evaluate load flows for the configuration described in interrogatory #1.

4. With respect to your answer to interrogatory #3, please state the amount of time that KEMA, Inc. would need to perform these studies.

Respectfully submitted,

THE TOWNS OF DURHAM AND
WALLINGFORD

BY _____

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CERTIFICATION

This is to certify that on this 10th day of January, 2005, a copy of the foregoing was either mailed, postage prepaid, or hand-delivered to: Docket 272 Service List.

Peter G. Boucher