

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

APPLICATION OF THE CONNECTICUT : DOCKET NO. 272
LIGHT AND POWER COMPANY AND :
THE UNITED ILLUMINATING COMPANY :
FOR A CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
A 345-KV ELECTRIC TRANSMISSION LINE :
FACILITY AND ASSOCIATED FACILITIES :
BETWEEN SCOVILL ROCK SWITCHING :
STATION IN MIDDLETOWN AND NORWALK :
SUBSTATION IN NORWALK : MARCH 15, 2004

PRE-HEARING QUESTIONS
TO THE CONNECTICUT LIGHT AND POWER COMPANY AND THE
UNITED ILLUMINATING COMPANY (JOINTLY THE "COMPANIES") FROM THE
SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY

SET ONE

The South Central Connecticut Regional Water Authority ("RWA") submits the following Pre-Hearing Questions to the Companies regarding the potential environmental impacts associated with underground electric transmission facilities. RWA understands that underground technology issues will be the subject of evidentiary hearings to be held in April and that the Connecticut Siting Council (the "Council") has not yet set a deadline for responses to interrogatories on this subject. The RWA requests that the Companies provide

responses to these questions in time to allow RWA to prepare pre-filed testimony in accordance with any schedule the Council may establish.

1. Besides polybutene and alkyl benzene fluids, and the potential use of perfluorocarbon as a leak detection tracer gas, will the underground transmission cable contain other chemicals or materials such as alternative fluids, additives or impurities? Including polybutene, alkylbenzene and perfluorocarbon, please list each and every fluid, additive or impurity, describe its use and characteristics, the estimated volume per unit of length of cable and the potential for harm to groundwater, surface water and human health.
2. In the event of a leak of fluids or other material, what is the average volume of fluid that is lost before a leak is detected and repaired?
3. In the event of a leak of fluids or other material, what is the maximum volume of fluid that is lost before a leak is detected and repaired?
4. Please provide a list all of the installations of underground transmission cables in public water supply watersheds, the date of installation, and the type of technology used.
5. Please provide an assessment and all available supporting information regarding known impacts that are documented or potential impacts to groundwater from a release of fluids or other materials from underground transmission cables.

6. Please provide an assessment and all available supporting information regarding known impacts that are documented or potential impacts to surface water and aquatic life from a release of fluids or other materials from underground transmission cables.
7. Please provide an assessment and all available supporting information regarding known impacts that are documented or potential impacts to human health from a release of fluids or other materials from underground transmission cables to the environment.
8. Please provide an assessment and all available supporting information regarding known impacts that are documented or potential impacts of taste, odor, color or other aesthetic properties to public water supplies from the release of fluids or other materials from underground transmission cables.
9. Please provide an assessment and all available supporting information regarding known impacts that are documented or potential impacts to the operation of surface water or groundwater treatment facilities if a release of fluid or other materials from underground transmission cables were to enter such treatment facilities.

Respectfully submitted,

SOUTH CENTRAL CONNECTICUT
REGIONAL WATER AUTHORITY

By: 
Andrew W. Lord
Paul R. McCary

Murtha Cullina LLP
CityPlace I, 29th Floor
185 Asylum Street
Hartford, Connecticut 06103-3469
Telephone: (860) 240-6000
Its Attorneys