



James R. Morrissey
Attorney

Via Electronic Mail and FedEx

August 22, 2016

Robert Stein
Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: The United Illuminating Company Application for a Certificate of Environmental Compatibility and Public Need for the Construction, Maintenance, and Operation of a 115/13.8-kilovolt (kV) Replacement Substation Facility Located on an Approximately 1.5 Acre Portion of two Adjoining UI-owned Parcels Directly Adjacent to UI's Existing Baird Substation, 1770 Stratford Avenue, Stratford, Connecticut, and Related Transmission Structure and Interconnection Improvements – **Development and Management Plan Interrogatories**

Dear Chairman Stein:

Please find enclosed the original and fifteen (15) copies of The United Illuminating Company's ("UI") responses to the Connecticut Siting Council's ("CSC") first set of interrogatories regarding the Development and Management Plan, dated August 10, 2016 in connection with the above-referenced Application. Additionally, UI will electronically file all responses and attachments via siting.council@ct.gov.

Respectfully submitted,

THE UNITED ILLUMINATING COMPANY

By: *James R. Morrissey*

James R. Morrissey
Attorney
UIL Holdings Corporation
157 Church Street
New Haven, CT 06510

cc: Service List

Enclosures

Interrogatory CSC-DM-1

The United Illuminating Company
Page 1 of 1

Docket 465

Q-CSC-DM-1: Summarize the methods, materials and procedures that The United Illuminating Company (UI) would use to fill the on-site wetland.

A-CSC-DM-1: The entirety of the wetland area will be removed of organic and undesirable material utilizing excavation machinery. Once the organic and undesirable material has been removed, the wetland will be completely filled and compacted with native soil from the site and if required, suitable material will be brought to the site to fill the area to the required elevation.

Interrogatory CSC-DM-2

The United Illuminating Company
Docket 465

Page 1 of 1

Q-CSC-DM-2: Would the entire existing 14-foot fence for the existing Baird Substation be removed and replaced with an eight-foot chain link fence? Would the eight-foot fence be two inch mesh without privacy slats? Has UI considered a smaller mesh size as anti-climbing measure? Why is the fence at the existing Baird Substation being replaced with a new and shorter fence, e.g. due to age and less stringent security requirements for a de-energized substation?

A-CSC-DM-2: The entire 14-foot fence surrounding the existing Baird Substation will be maintained and replaced when required to ensure a secure perimeter. The replacement chain link fence would be eight-feet with two inch mesh and topped with one foot of barbed wire. The fence would not incorporate privacy slats, as the security requirements of a de-energized facility are less stringent than that of an energized facility. UI could install a smaller one inch mesh size as an anti-climbing measure if so directed.

Interrogatory CSC-DM-3

The United Illuminating Company
Docket 465

Page 1 of 1

Q-CSC-DM-3: Would the proposed fence for the replacement substation have a two-inch mesh in order to accommodate the privacy slats?

A-CSC-DM-3: Yes, the proposed replacement substation fence will utilize two-inch mesh in order to accommodate the privacy slats.

Interrogatory CSC-DM-4

The United Illuminating Company
Docket 465

Page 1 of 1

Q-CSC-DM-4: For the four new structures not previously identified in Petition No. 1176 (i.e. 825 BNN, 825 BNS, 825 BS, and 826S), provide the approximate heights of each structure. Would all new structures be galvanized steel consistent with Petition No. 1176?

A-CSC-DM-4: The height of the four structures not previously identified in Petition No. 1176 are noted below. All of the new structures would be galvanized steel consistent with Petition No. 1176.

- 825BNN: 70 feet
- 825BNS: 95 feet
- 825BS: 85 feet
- 826S: 80 feet

After completion of the re-designed access road and corresponding revisions to the northern transmission monopoles, the height of 825BNN was able to be reduced from 75 feet to 70 feet. The height of 825BNS has been designed to match the height of 825ANS which was recently approved under Petition No. 1176. This 95 foot height is required to allow proper clearances over the Metro North Railroad tracks and the associated electric distribution system. While this is a revision from the 85 feet indicated in the Application, the top of structure height is approximately the same as 825BNN due to the elevation change between the north and south sides of the Metro North Railroad corridor. As a result, the highest proposed new structure height relative to the substation elevation (825BNN & 825BNS) has been reduced overall by approximately five feet.