The United Illuminating Company
157 Church Street
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203.499.2000

October 6, 2010

Marc Casey
24 Side Hill Road
North Haven, CT 06473

Re: Proposed Telecommunication Tower

Dear Mr. Casey:

Thank you for your recent letter regarding The United Illuminating Company's (UI) proposed tower at 100 Marsh Hill Road, which is the future location of UI's new Operations Center. UI appreciates the opportunity to address the concerns/issues you raise in your letter.

As UI explained in its August 17, 2010 letter to your mother, Rosalind Casey, the Project will be used primarily by UI to facilitate operations and internal communications between the new Operations Center and UI's field crews and remote electric system devices. The tower will consist of a 100-foot three-legged self-supporting tower, with up to ten antennas and is proposed to be situated in the center of the Operations Center property (please see the attached site location map under tab 4 of the enclosed copy of the Application). Please note that this tower is not intended to employ any cellular phone antennas, either for use by UI or any other entity. The antennas that are planned for the tower are consistent with those currently employed by UI at its current location in Shelton and elsewhere for operational communications and communications with UI field crews. As UI is consolidating its operations at the new facility in Orange, it is UI's intention to move the communications equipment there as well.

I would like to address the concerns and questions you raise in your letter in order of appearance.

1. Your first concern involves the issue of a potential health risk from RF emissions from the telecommunications tower. The Federal Communication Commission (FCC) sets the standard for RF emissions (referred to as "Limits for General Population and Uncontrolled Exposure") and it is UI's obligation to meet that criteria. UI had an outside consulting firm, Black & Veatch, conduct a power density study which concluded that the proposed antennas/tower will be in compliance with the FCC standard. The study is located under tab 12 of the Application.

2. As the tower will be compliant with the FCC standard, situated well within UI's property, and no properties will be impacted by views of the tower, no loss in property values is foreseen.

3. With respect to the tower being an "eyesore", UI engaged the services of VHB, Inc. to conduct a Visual Resource Evaluation. A copy of this report is found under tab 11 of the Application. The results of this Evaluation are as follows:

   Along Indian River Road and, for the most part, west of the facility, there will be no significant visibility. This is due to the relatively low height of the tower, the intervening topography and tree canopy. There is approximately 1400 feet between the proposed tower location and your mother's residence, with forested land in between. Based on VHBs model and its in-field observations in early Spring (and before the trees had leaves), VHB has concluded that no properties along Indian River Road will have views of the tower.

With respect to your specific requests for additional information, I will address the questions in order of appearance in your letter.

1. Is it possible to locate the antennas on another nearby tower already constructed?

   With respect to locating the antennas on another nearby tower already constructed, there is no tower close enough to accommodate the access required by UI to address immediate communications issues in the event that UI experiences a failure of its equipment and the safety of the public or UI employees is at risk.

2. What are the hours per day the proposed tower will be in operation?

   The antennas proposed for the subject tower are related to different types of UI operating systems and each antenna's "operating time" will vary with the needs of its related system. For example, the low band radio communications to UI vehicles are available 24/7 between UI Dispatch and field crews, but are primarily used outside normal business hours. The CONVEX radio antenna is used primarily during emergencies and is tested once a month. Substation radio antennas are employed during emergencies and are rarely used. UHF radio is used as a back up to UI's meter reading system and is rarely used. Other systems antennas are used to redistribute load on UI's system to maintain capacity

   All radio systems transmit a calibration event every 2 hours.

3. What is the maximum broadcast range?

   The designed100 foot height of the tower will enable UI to transmit to receivers within UI's service territory and the range of an individual transmitter varies. The most powerful transmitter in the proposed design provides communications up to 25 miles if

nothing is blocking the signal, such as hills or buildings

4. What is the maximum power of the antennas and radio equipment?

   Please refer to the power density study located under tab 12 of the Application. In addition to the specific technical information for each antenna, the report contains a summary table on the last page providing the power ratings. The most powerful transmitter is 100 watts. The lease powerful transmitter is 3.8 watts.

5. What is the maximum antenna capacity of the proposed tower?

   This will vary, depending on the size of the antenna. For instance, if UI were to add only the smallest of the antennas in its proposed design, it would be possible to add approximately thirty more small antennas. For the largest of the antennas in the proposed design, it would be possible to add no more than six additional antennas of this size.

6. Does the possibility exist of increasing the numbers of antennas?

   Yes. Improvements in technology, specifically system automations, may trigger the need for additional antennas to support those technologies. Also, the Town of Orange has expressed an interest in the possible future use of the tower for placement of public safety antennas. UI is willing to consider incorporating any public safety antenna onto the tower when asked to do so by the Town

7. Would you (UI) be able to provide me with:

   a. a copy of the Project details sent to the CT Siting Council with the UI Project Application

   b. A site map showing:
      i. The proposed Project location with land elevation of the tower site
      ii. Relationship of Project site to abutting properties
      iii. Alternate locations, if any, of Project location on UI property at 100 Marsh Rd.

   Yes. The site map, Project details and other information are provided in the enclosed Application.

I hope the enclosed information is helpful to you. If you require any additional information about the proposed telecommunications tower, please feel free to contact Ms Kathleen Shanley at 203-926-4695. Ms Shanley is heading up this effort on behalf of UI.

Very truly yours,

Edward J. Drew
Associate Vice President
Corporate Services

cc: George Finley
Kathleen Shanley