



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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PETITION 211
East Main Street Substation
Control Building and Relocation of Equipment
Staff Report
May 19, 1988

United Illuminating Company (UI) is requesting from the Council that a Certificate of Environmental Compatibility and Public Need is not required for the construction of a control building adjacent to its East Main Street Substation and the relocation of 115-kV/13.8-kV transformers, connectors, and associated controls from the Steel Point Generating Plant to the East Main Street Substation in the City of Bridgeport, Connecticut.

On May 12, 1988, Dr. James Horsfall and Dr. William Smith, members of the Siting Council; Joel Rinebold, Executive Director of the Siting Council; and James Walz, staff of the Siting Council, met Dave Damer, Bob Klancko, Syed Nehalhal, and Rich Reed of UI on the site of the proposed addition.

The addition, located northwest of a developed and security fenced area of the East Main Street Substation would be a one-story, 30-foot by 40-foot cement-block building. The building would have water and sewer connections as well as electrical power supplied from the existing substation. The surface of the area surrounding the building would be trap rock aggregate. A security fence would be erected, and a portion of the existing substation fence removed to enclose the building within the East Main Street substation yard.

Relays associated with 115-kV transformers currently located at the substation would be relocated to the new control building. Most of the new control building would be occupied by 13.8-kV distribution related equipment. Other 115-kV work associated with the project, but not within the control building would include placing connectors to the 115-kV lines coming into the substation to permit installation of mobile transformers in the event of a failure of one of the existing 115-kV to 13.8-kV transformers.

All of the construction work would be performed and located within existing property owned by UI. Environmental impact would consist of the disturbance of surface soil incident to construction activity.

Due to the deteriorating condition of the nearby Steel Point Generating Plant, this project is one segment of a master plan to substantially modify the 60 year old distribution systems contained in the Plant. In order to remove a threat to service reliability, this segment of the plan would remove feeders, controls, and relays for the East Main Steet Substation from the Plant to the new control building. Most of the associated work includes 13.8-kV equipment.

Construction of the proposed addition is anticipated to begin in September 1988 and would be completed by the end of 1989.

UI contends that the addition would not be a modification of a facility which would have a substantial adverse environmental effect as defined in Connecticut General Statutes Sections 15-50i(d) and 16-50k(a), and therefore would not require a Certificate of Environmental Compatibility and Public Need.

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Siting Analyst

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