



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Petition No. 291
United Illuminating Company
Ash Creek Substation
September 9, 1992
Staff Report

On August 31, 1992, the United Illuminating Company (UI) requested a determination that no Certificate of Environmental Compatibility and Public Need is required for the installation of a optical fiber ground wire (OPGW) system between UI's Ash Creek Substation in Bridgeport, Connecticut, and catenary structure No. B714 within the Northeast Railroad Corridor railroad catenary system in Fairfield, Connecticut.

On September 8, 1992, Council members Mortimer A. Gelston, Chairman, and William H. Smith, and Thomas E. Fanning, Jr., staff of the Council met Robert Silvestri and Gary Dooley, representatives of UI at the site of the proposed project.

UI proposes to replace an existing overhead 336.4 kcmil copper shield wire attached to the top of catenary structure No. B714 and transmission line structures AC1, AC2, and AC3, with a 0.63 inch diameter OPGW cable extending 0.25 mile distance from catenary structure B714 to Ash Creek Substation. The termination for the OPGW cable inside Ash Creek Substation would be installed within the substation control building through splicing boxes and underground conduits. UI would attach a pulling line to the existing shield wire and the new OPGW cable and pull the cable across the tops of the supporting transmission structures to avoid an intrusion into Ash Creek and its adjoining mud flats.

The proposed OPGW system would connect to the OPGW system that would be installed with the Pequonnock Substation to Ely Avenue Junction transmission line previously Certificated by the Council (Docket No. 141) and would improve company communications.

All construction would be located within UI's existing right-of-way, on existing structures, and within substation boundaries. No new property would be acquired.

Construction would commence during the third quarter of 1993 and would be completed in approximately two weeks.

TEF/cp

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