



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

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Petition No. 114
Field Review
United Illuminating

Mortimer Gelston, Dr. James Horsfall, and Robert Erling of the Siting Council met Marcus McCraven, Dave Damer, Ted Grave, and Robert Klancko of United Illuminating (UI) for a field review of Petition No. 114 on September 21, 1984. UI is petitioning the Council for a ruling that no certificate of environmental compatibility and public need is required for the company's proposed reconfiguration of its West River Substation in New Haven.

In order to accommodate additional nuclear generation scheduled to come on-line in 1986, UI believes the power transfer capability of the West River Substation must be increased. This would be accomplished by reconfiguring and upgrading the 115kV bus, reinstalling the circuit protection devices, and constructing a new control house. This control house would be a one-story concrete building measuring approximately 29' x 38'. This building would house protective relays, batteries for emergency usage, and controls for the new substation equipment. The existing substation control house would be removed. To accommodate this new building, UI proposes to purchase an adjacent plot of land now owned by the Department of Transportation.

As a result of the proposed reconfiguration, the West River Substation would be lower in height and have increased power transfer capability. By substituting tubular bus for strain bus, the substation would appear to be less cluttered when viewed from nearby roads and homes. The highest lightning mast would be lowered by 25 feet. Several trees, which appear to be dying, would be removed. Artist's renditions of the appearance of the reconfigured substation were provided.

The site work on this project would cost approximately \$33,000 including \$16,000 for earth removal, \$3500 for crushed rock, \$9500 for an asphalt driveway, and \$4000 for yard work and landscaping.

Robert K. Erling
Siting Analyst

RKE:cp