



November 21, 2018

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

Re: **Docket No. 465: Baird Substation Rebuild Project – Final Report**

Dear Chairman Stein:

The United Illuminating Company (UI) provides its Final Report for the Baird Substation Rebuild Project (Project) to the Connecticut Siting Council (Council). This Final Report is submitted in accordance with the Regulations of Connecticut State Agencies (RCSA) §16-50j-62(c), Condition 3 of the Council's Decision and Order regarding the Project, and the Council's approval of the Development and Management (D&M) Plan for UI's new 115/13.8-kilovolt (kV) replacement substation facility.

Pursuant RCSA § 16-50j-62(c), the Final Report identifies the following:

- a) All agreements with abutters or property owners regarding special maintenance precautions
- b) Significant D&M Plan changes that were necessary because of property rights or underlying and adjoining owners for other reasons
- c) The location of any construction materials left in place
- d) The location of areas where special plantings and reseeding have been performed
- e) The actual construction cost of the facility

As explained in the August 8, 2018 Notice of Project Completion the project construction work was deemed complete as of that date. UI is hereby providing the Final Report on the Project.

Should you or other Council members have any questions regarding this Final Report, please do not hesitate to contact Samantha Marone via email at samantha.marone@uinet.com or telephone at (203) 499-3824.

Sincerely,

A handwritten signature in blue ink, appearing to read "Amy Hicks", with a stylized flourish at the end.

Amy Hicks
Outreach Specialist

Enclosures



**BAIRD SUBSTATION REBUILD PROJECT
DOCKET 465**

**FINAL REPORT
to the
CONNECTICUT SITING COUNCIL**

November 21, 2018

Prepared by:

The United Illuminating Company

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INTRODUCTION AND SUMMARY OF THE PROJECT

The United Illuminating Company (UI) is presently operating the newly constructed open air-insulated 115/13.8 kilovolt (kV) distribution substation located at 1770 Stratford Avenue in Stratford (Stratford), Connecticut. This new distribution substation ensures the delivery of safe and reliable electric service to our customers, meeting State voltage compliance requirements to supply electricity to customers and businesses in the greater Bridgeport and Stratford areas.

On July 17, 2015, UI submitted to the Connecticut Siting Council (Council, CSC) an Application for a Certificate of Environmental Compatibility and Public Need for the Project (Council Docket No. 465). After public meetings, evidentiary hearings, and related technical reviews, the Council approved the Project on April 28, 2016.

Subsequently, in accordance with the conditions of the Council's approval, UI prepared a Development and Management (D&M) Plan for the Project that also was approved by the Council. Project construction, which was performed pursuant to the Council's requirements (D&M Plan) and the regulations of other involved federal and state agencies, commenced in the fourth quarter of 2016.

The new open air-insulated 115/13.8 kV distribution substation was placed into service on April 30, 2018. Restoration continued until July of 2018, with final plantings and reseeded completed in October.

This Final Report to the Council regarding the Project provides information in accordance with the Regulations of Connecticut State Agencies (RCSA), § 16-50j-62(c), Condition 3 of the Council's Decision and Order and the Project's D&M Plan. In particular, the Final Report identifies the following:

- a) All agreements with abutters or property owners regarding special maintenance precautions
- b) Significant D&M Plan changes that were necessary because of property rights or underlying and adjoining owners for other reasons
- c) The location of any construction materials left in place
- d) The location of areas where special plantings and reseeded have been performed
- e) The actual construction cost of the facility

Visual Simulation of the Proposed Substation



Source: Visibility Analysis, Baird Substation

ATTACHMENT 1**AGREEMENTS WITH ABUTTERS OR PROPERTY OWNERS REGARDING
SPECIAL MAINTENANCE PRECAUTIONS**

For the construction and operation of the Project facilities, UI did not require any additional property, easements, or agreements. UI has a lease agreement with The Connecticut Department of Transportation (ConnDOT) to install, maintain, and operate our electric facilities within the ConnDOT Right of Way (ROW).

ATTACHMENT 2**SIGNIFICANT D&M PLAN CHANGES THAT WERE NECESSARY BECAUSE OF PROPERTY RIGHTS OR UNDERLYING AND ADJOINING OWNERS OR FOR OTHER REASONS**

During the construction of the Project, UI requested and the Council approved two changes to the D&M Plan. Both changes were requested and approved between March 2 and September 11, 2017. No significant D&M Plan changes were required during the remainder of the Project construction and restoration.

Table 1-1 summarizes these changes, including the rationale for the change, date requested, and date approved by the Council.

Table 1-1: Baird Substation Rebuild Project (Docket 465): Significant D&M Plan Changes

Change Request	Description of Change	Rationale for Change	Date Submitted to CSC	Date Approved by CSC
Change Request 1	Increase monopole height from 80 to 95 feet	<p>(1) To avoid encroachment on the Two Roads Brewery property (an abutter), that would restrict the use of portions of the brewery property and require an easement.</p> <p>(2) To ensure proper clearances from Metro North Railroad conductors.</p>	March 2, 2017	March 3, 2017
Change Request 2	Change fencing slat color from green to gray	Change in color requested by Two Roads Brewing Company	September 11, 2017	September 11, 2017

ATTACHMENT 3

LOCATION OF CONSTRUCTION MATERIALS LEFT IN PLACE

Following construction completion of the Project, no construction materials were left in place.

ATTACHMENT 4

LOCATION OF AREAS WHERE SPECIAL PLANTINGS AND RESEEDING HAVE BEEN PERFORMED

UI worked with the Town of Stratford (Town) and abutter Two Roads Brewing Company (TRBC) on a plan to install decorative planters that also act as concrete barriers to protect against accidental vehicle entry from the Town's roundabout to be constructed at a later date. The decorative planters were installed with arborvitae, and the disturbed area on the south side of the substation between the fence line and Stratford Avenue was drill-seeded to promote grass growth.

Decorative Planters and Drill Seeding



Source: UI

ATTACHMENT 5
ACTUAL CONSTRUCTION COST OF THE FACILITY

The actual construction cost of the facility was \$29.25 million.