

VIA UPS AND ELECTRONIC MAIL

July 22, 2022

Melanie A. Bachman, Esq. Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Re: The United Illuminating Company's Notice of Exempt Modification Pursuant to R.C.S.A. § 16-50j-58 to Existing Energy Facility Site at Indian Well Substation ("Notice of Exempt Modification")

Dear Ms. Bachman:

Pursuant to Regulations of Connecticut State Agencies ("R.C.S.A.") §16-50j-58, The United Illuminating Company ("UI" or "Company") hereby notifies the Connecticut Siting Council (the "Council") of its intent to make exempt modifications to its Indian Well Substation ("Facility" or "Energy Facility"). The \$625 filing fees, along with 2 copies of this Notice of Exempt Modification, are enclosed herewith.

Existing Energy Facility

The Facility is located at 200 Roosevelt Drive in the City of Derby at 41°19'31.81"N and 73° 5'59.85"W and is bounded as follows:

Beginning at a point along the southwest corner of the City of Derby property so-called "Canal Street"

Thence 177.70 feet along N/F City of Derby

Thence 178 feet along N/F The Shelton Canal Company Thence

210 feet along the Housatonic River at high water

Thence 285 feet along IDA Properties Inc. to the point of beginning

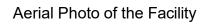
Parcel contains 42,500 square feet or .9 acres more or less.

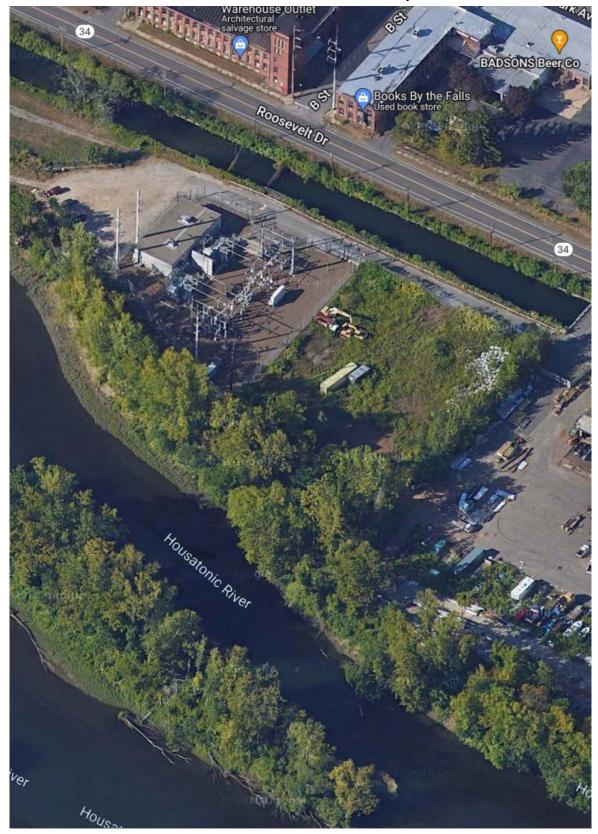
Indian Well Substation is a single 115-kV breaker two transformer substation.

100 Marsh Hill Road, Orange, CT 06477 Telephone 888.UITENYR, Fax 203.926.4664 www.uinet.com



An equal opportunity employer





Derby Townhall GIS Mapping 2022



Site and Equipment Looking east into existing 115-kV yard at Indian Well Substation



Looking west into existing 115-kV yard at Indian Well Substation

Proposed Modifications

UI is proposing the installation of an underground splice chamber (approximately 8'x14'x7'), two vista switches and new conduit line along the southern portion of the UI property to interconnect the 14 MW fuel cell generator system (Derby Fuel Cell Project, CSC Petition No. 1372) to the 13kV UI Indian Well Substation (see below). The proposed modifications will not impact the existing Facility's structural capability or impact electric and magnetic fields or noise levels.



Compliance with R.C.S.A. § 16-50j-57(b)

Pursuant to R.C.S.A. §16-50j-57(b), the proposed changes do not constitute a modification to an existing facility that may have a substantial adverse environmental effect and are exempt from the requirement to obtain a certificate pursuant to Section 16-50k of the Connecticut General Statutes. Specifically, consistent with R.C.S.A. § 16-50j-57(b), the proposed changes to the existing site <u>do not</u>:

- (A) Extend the boundaries of the site beyond the existing fenced compound.
- (B) Increase the height of existing associated equipment.
- (C) Increase noise levels at the site boundary by 6 decibels or more, or to levels that exceed state and local criteria.
- (D) Impact electric and magnetic field levels at the site boundary in a manner that is inconsistent with the Council's Best Management practices for Electric and Magnetic Fields.
- (E) Cause a significant adverse change or alteration in the physical or environmental characteristics of the site.
- (F) Impair the structural integrity of the facility, as determined in a certification provided by a professional engineer licensed in Connecticut, where applicable.

The project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics because:

- (A) The proposed changes would be located within the Substation's existing fence line.
- (B) The Substation's fenced area would not be expanded.
- (C) The equipment would be no taller than existing equipment within the Substation.
- (D) There would be no change to the existing television or radio interference resulting from the modifications of the Substation.
- (E) Sound-pressure levels at all points along properties lines would continue to meet state regulations set out in R.C.S.A. §§ 22a-69-1 et seq.
- (F) The project work would not affect water resource areas.
- (G) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate construction for the Indian Well breaker replacement on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at 585-553-0576 should you have any questions regarding this notice.

Sincerely,

Sergío Muríllo

Sergio Murillo Project Manager – Innovative Projects The United Illuminating Company

cc: The Honorable Mayor Richard Dziekan, City of Derby Todd Berman, The United Illuminating Company Jasun Van Horn, The United Illuminating Company

Attachment 1: Civil Underground Construction Work Order 62005154

CIVIL UNDERGROUND CONSTRUCTION *WORK ORDER 62005154* NEW SERVICE FEED FOR CUSTOMER SERVICE DERBY FUEL CELL PROJECT



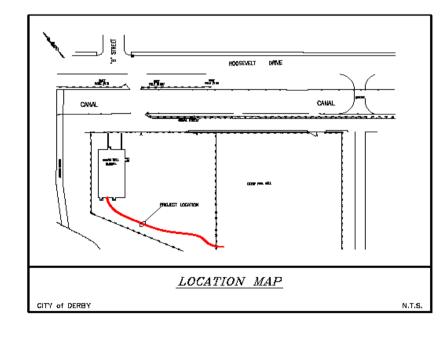
U The United Illuminating Company 100 Marsh Hill Road, Orange, CT 06477

DRAWING LEGEND LIST						
DWG. NO.	CONTENT					
CVR-1	COVER SHEET					
GN-1	GENERAL CONSTRUCTION/PROJECT NOTES					
P-1	PLAN MEW					
DET-1	DETAILS					

CONSTRUCTION PLAN	LEGEND
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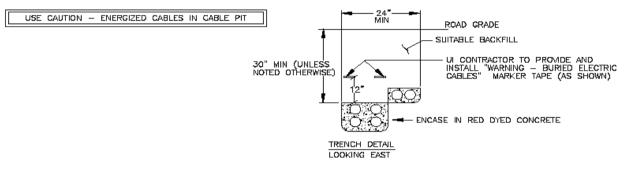
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	203-535-7481 (CELL) 203-641-8072 (CELL) 203-215-2986 (CELL)		22
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 7. UL CONTRACTOR MUST MAINTAIN A FULL SIZE SET OF THESE CONSTRUCTION PLANS (100% OF ALL PRINTS) ON SITE AT ALL TIMES DURING THE WORK. 8. ALL CONDUIT CLAMPS WILL NOT BE ALLOWED ON NEW WORK. 9. UL CONTRACTOR TO TO COORDINATE THE INSTILLATION AND REMOVAL OF FLASH BLANKETS, APOUND EXISTING ENERGIZED ELECTRIC CABLES AND SPLICE CASES WITHIN ULL ORDERONALE OF FLOST OF CONDUCT CLAMPS WILL NOT BE CASE OF THE SECONSTRUCTION WANGER (SEE NOTE 4), ALLOW, AT LEAST TWO (2) WEEKS ADVANCE NOTICE. ULL CONTRACTOR INSTILLUTION NAD DEMOVAL OF FLASH BLANKETS IN THEIR BIDS. 10. CONTRACTOR SHULL NOT INCLUDE THE COST FOR INSTILLUTION AND/OP REMOVING PLASH BLANKETS IN THEIR BIDS. 11. STALL STORY OF THE ULL CONTRACTOR IN ON THE OLST OF THE ULL¹ COST. 11. IS THE RESPONSIBILITY INSTALLATION AND/OP REMOVAL OF FLASH BLANKETS AND POLCE PROTECTION PRIOR TO ULL'S CREW MEMBERS SHOWING UP TO INSTALL AND/OP REMOVAL OF THE ULL BEODRIE CHARMED FLASH BLANKETS IN THE R BIDS. 11. STALL AND/OR REMOVAL OF FLASH BLANKETS, NO IN PRODRESS EXCAVATION IS ALLOWED WITHIN FIFTY (SO) FEET OF THE SPLICE CHAMBER, DURING ULL DISTRIBUTION CONSTRUCTION CIVIL SPECIFICATIONS (GUIDELINES): 12. DOG-100 INSTALLATION OF PROVED THE FOLLOWING ULL DISTRBUTION CONSTRUCTION CIVIL SPECIFICATIONS (GUIDELINES): 12. DOG-101 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 12. DOG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 12. DOG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 	16. PROVIDE, INSTALL, AND MAINTAIN ALL CONCRETE BARRIERS, TRAFFIC BARRELS, TEMPORARY CONSTRUCTION FENCING, TRAFFIC SIGNS, TEMPORARY LINE STRIPING, ETC. TO MAINTAIN MOTOR VEHICLE AND PEDESTRIAN TRAFFIC THROUGHOUT THE WORK LIMITS AS SHOWN, AND, AS REQUIRED BY THE CITY OF DERBY SEE TRAFFIC		
8. ALL CONDUIT MATERIAL, COUPLINGS, FITTINDS, BENDS, CLAMPS, ETC. TO BE SUPPLIED BY UJ. CONTRACTOR AS INDICATED ON PLANS. EMERGENCY CONDUIT CLAMPS WILL NOT BE ALLOWED ON NEW WORK. 9. UI. CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF FLASH BLANKETS, AROUND EXISTING ENERGIZED ELECTRIC CABLES AND SPLOE CASES WITHIN UI. SPLOE CHAMBERS, WITH UJ. CREWS, CONTACT UI. CONSTRUCTION MANAGER (SEE NOTE 4), ALLOW, AT LEAST TWO (2) WEEKS ADVANCE NOTICE. UI. CONTRACTOR SHALL NOT IN UDDE THE COST FOR INSTALLING AND/OR FEMOUNDE (LSEE NOTE 4), ALLOW, AT LEAST TWO (2) WEEKS ADVANCE NOTICE. UI. CONTRACTOR THE OLIC CONTRACTOR INSTALLING AND/OR REMOVING FLASH BLANKETS IN THEIR BIDS. TI IS THE RESPONSIBILITY OF THE UI. CONTRACTOR TO HAVE AN LESTABLISHED THE PRAFIC FATEEN AND POLCE FORCETON PRIOR TO U.L'S CREW MEMBERS SHOWING UP TO INSTALL AND/OR REMOVE, INSTALLATION AND/OR REMOVAL. No. THIS PROJECT IS TO BE CONSTRUCTED UNDER THE FOLLOWING U.J DISTRIBUTION CONSTRUCTION CWL SPECIFICATIONS (GUIDELINES): DCG-100 MASTER CIVIL CONSTRUCTED UNDER THE FOLLOWING U.J DISTRIBUTION CONSTRUCTION CWL SPECIFICATIONS (GUIDELINES): DCG-100 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-100 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017			
9. U.I. CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF FLASH BLANKETS, AROUND EXISTING ENERGIZED ELECTRIC CABLES AND SPLICE CASES WITHIN U.I. SPLICE CHAMBERS, WITH U.I. CREWS. CONTACT U.I. CONSTRUCTION MANAGER (SEE NOTE 4), ALLOW, AT LEAST TWO (2) WEEKS ADVANCE NOTICE. U.I. CONTRACTOR SHALL NOT INCLUDE THE COST FOR INSTALLATION AND REMOVAL OF FLASH BLANKETS IN THER BIDS. THIS COST (INSTALLATION AND REMOVAL OF FLASH BLANKETS) WILL BE PART OF THE U.I.'s COST. IT IS THE RESPONSIBILITY OF THE U.I. CONTRACTOR TO HAVE AND STABLISHED TRAFFIC PATTERN AND POLICE PROTECTION PRIOR TO U.I.'s CREW MEMBERS SHOWING UP TO INSTALL AND/OR REMOVE ILS ONTER ONTO HAVE AND INSTALLATION AND REMOVAL OF TO INSTALL AND/OR REMOVE INSTALLATION AND REMOVAL (INSTALL AND/OR REMOVE) (INSTALL AND/OR REMOVE) (INSTALLATION AND REMOVAL OF FOLLOWING U.I. DISTRIBUTION CONSTRUCTION CML SPECIFICATIONS (GUIDELINES): DCG-100 MASTER CALL CONSTRUCTED UNDER THE FOLLOWING U.I. DISTRIBUTION CONSTRUCTION CML SPECIFICATIONS (GUIDELINES): DCG-110 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 DCGC DCGC DCGC DCGC DCGC DCGC DCGC DCGC	18. ALL CONDUIT MATERIAL, COUPLINGS, FITTINGS, BENDS, CLAMPS, ETC. TO BE SUPPLIED BY U.I. CONTRACTOR AS INDICATED ON PLANS.		
IT IS THE RESPONSIBILITY OF THE U.I. CONTRACTOR TO HAVE AN ESTABLISHED TRAFFIC PATTERN AND POLICE PROTECTION PRIOR TO U.I.'s CREW MEMBERS SHOWING UP 24 TO INSTALLAND/OR REMOVE FLASH BLANKET INSTALLATION AND/OR REMOVAL. 24 RO. THIS PROJECT IS TO BE CONSTRUCTED UNDER THE FOLLOWING U.I. DISTRIBUTION CONSTRUCTION CML SPECIFICATIONS (GUIDELINES): 24 - DCG-100 MASTER CIVIL CONSTRUCTION FOR PROJECTS AWARDED IN 2017 217 - DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 2017 - DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017 2017	19. U.I. CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF FLASH BLANKETS, AROUND EXISTING ENERGIZED ELEGTRIC GABLES AND SPLICE CASES WITHIN U.I. SPLICE CHAMBERS, WITH U.I. CREWS, CONTACT U.I. CONSTRUCTION MANAGER (SEE NOTE 4), ALLOW, AT LEAST TWO (2) WEEKS ADVANCE NOTICE. U.I. CONTRACTOR SHALL NOT INCLUDE THE COST FOR INSTALLING AND/OR REMOVING FLASH BLANKETS IN THEIR BIDS.		
DCG-100 MASTER CIVIL CONSTRUCTION FOR PROJECTS AWARDED IN 2017 DCG-110 INSTALLATION OF SPLICE CHAMBERS FOR PROJECTS AWARDED IN 2017 DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017	IT IS THE RESPONSIBILITY OF THE U.I. CONTRACTOR TO HAVE AN ESTABLISHED TRAFFIC PATTERN AND POLICE PROTECTION PRIOR TO U.I.'S CREW MEMBERS SHOWING UP TO INSTALL AND/OR REMOVE FLASH BLANKETS. PLEASE NOTE, NO IN PROGRESS EXCAVATION IS ALLOWED WITHIN FIFTY (50) FEET OF THE SPLICE CHAMBER,		24.
- DCG-110 INSTALLATION OF SPLICE CHAMBERS FOR PROJECTS AWARDED IN 2017 - DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017	20. THIS PROJECT IS TO BE CONSTRUCTED UNDER THE FOLLOWING U.I. DISTRIBUTION CONSTRUCTION CIVIL SPECIFICATIONS (GUIDELINES):		
	- DCG-110 INSTALLATION OF SPLICE CHAMBERS FOR PROJECTS AWARDED IN 2017		
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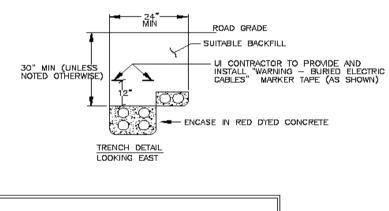
OR THE INSTALLATION OF NEW SPLICE CHAMBER 2024, (P-1, DET-1) PRECAST SPLICE CHAMBER 2024 (B'x14'x7'). TWO SPLICE CHAMBER FRAMES AND COVERS (36") TO BE PROMDED BY UI Co. S TO BE PROVIDED BY PRECAST CONCRETE VENDOR. UI CONTRACTOR TO PROVIDE AND INSTALL ALL GROUNDING REQUIREMENTS (DET-1) TOR WILL ALSO PROVIDE AND INSTALL A LAMICOID LABEL INSIDE BOTH THRORTS OF SPLICE CHAMBER WITH THE SPLICE CHAMBER NUMBER ON IT (DET-1) TOR WILL ALSO CONSTRUCT A 6'x10' BITUMINOUS APRON AROUND TOP PERIMETER OF NEW SPLICE CHAMBER (DET-1)

UI CO CONTRACTOR TO PROVIDE CRANE TO ACCOMMODATE THE INSTALLATION OF THIS SPLICE CHAMBER (APPROX WEIGHTS : TOP = 13.0 TONS BOTTOM = 13.5 TONS) UI Co CONTRACTOR TO SUPPORT, MAINTAIN AND PROTECT ANY OTHER UTILITIES DURING PLACEMENT OF NEW SPLICE CHAMBER RE-CONNECT ANY SUBSTATION GROUND GRID DISTURBED DURING PLACEMENT; DET-1

PENING IN SOUTHWEST WALL OF CONTROL HOUSE CABLE PIT FOR 6-5" CONDUITS (P-1) ID INSTALL 6-5" SCHEDULE 40 PVC (ENCASE IN RED DYED CONCRETE) FROM CABLE PIT TO NEW SC 2024 IECT ANY SUBSTATION GROUND GRID DISTURBED DURING PLACEMENT: DET-1) PLACE AS REQUIRED



ID INSTALL 6-5" SCHEDULE 40 PVC (ENCASE IN RED DYED CONCRETE) FROM NEW SC 2024 TO PT A (CUSTOMER'S DEAD END CONDUITS, TO BE MARKED IN FIELD) IECT ANY SUBSTATION GROUND GRID DISTURBED DURING PLACEMENT: DET-1)



NOTE: CONCRETE MIX USED FOR ENCASING CONDUIT SHALL BE DYED RED FOR IDENTIFICATION AND SAFETY PURPOSES AS FOLLOWS:

CONCRETE SUPPLIER

O & G INDUSTRIES THE L SUZIO CONCRETE COMPANY OTHER

SPECIFICATION "UNDERGROUND RED COLOR ADDITIVE" "UI BAJA RED 2 BAG" EQUIVALENT RED DYE

(RE-CONNECT ANY PORTION OF THE SUBSTATION GROUND GRID DISTURBED BY NEW CONSTRUCTION: DET-1)

						U 🚺		GE DERBY	ENERAL N	ELL PROJECT
			RCP		Drawn	Dote_04/19/2022	Scale: 240	CAD FILE NAME	SEQUENCE NO.	
n	Ву	Chkd.	Engr.	Supv.	Chkd.	Design Engr. <u>RGP</u> I	Design Supv			<u>GN-1</u>

