



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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Hearing Program
Docket No. 516
Tuesday, July 25, 2023
2:00 p.m./6:30 p.m.
Zoom Remote Public Hearing

I. Opening by Council

A. Statement read by Presiding Officer.

B. Administrative Notice taken by Council

FEDERAL

1. NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES, NATIONAL INSTITUTES OF HEALTH, *EMF, Electric and Magnetic Fields Associated with the Use of Electric Power*, June 2002, available at https://www.niehs.nih.gov/health/materials/electric_and_magnetic_fields_associated_with_the_use_of_electric_power_questions_and_answers_english_508.pdf
2. NATIONAL RESEARCH COUNCIL, *Research on Power-Frequency Fields Completed Under the Energy Policy Act of 1992*, National Academy of Sciences, 1999, available at <http://books.nap.edu/openbook.php?isbn=0309065437>
3. Proclamation No. 8460 - Critical Infrastructure Protection Month, 2009, 74 Fed. Reg. 234, December 8, 2009, available at <http://www.presidency.ucsb.edu/ws/index.php?pid=86954>
4. Presidential Executive Order No. 13636, Improving Critical Infrastructure Cybersecurity, 78 FED. REG. 11739, February 19, 2013, available at <http://www.archives.gov/federal-register/executive-orders/2013.html>
5. Presidential Policy Directive No. 21, Critical Infrastructure Security and Resilience, February 12, 2013, available at <https://obamawhitehouse.archives.gov/the-press-office/2013/02/12/presidential-policy-directive-critical-infrastructure-security-and-resil>
6. UNITED STATES DEPARTMENT OF THE INTERIOR, NATIONAL PARK SERVICE, *National Register of Historic Places*, available at <http://www.nps.gov/subjects/nationalregister/index.htm>
7. FEDERAL AVIATION ADMINISTRATION, UNITED STATES DEPARTMENT OF TRANSPORTATION, OBSTRUCTION MARKING AND LIGHTING, ADVISORY CIRCULAR AC NO. 70/7460-1M, November 16, 2020, available at https://www.faa.gov/documentLibrary/media/Advisory_Circular/Advisory_Circular_70_7460_1M.pdf

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11. NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION, Evaluation of the Physical Security Reliability Standard and Physical Security Attacks to the Bulk-Power System, dated April 14, 2023, available at: <https://www.nerc.com/FilingsOrders/us/NERC%20Filings%20to%20FERC%20DL/NERC%20Report%20on%20CIP-014-3.pdf>
12. UNITED STATES DEPARTMENT OF ENERGY, FEDERAL ENERGY REGULATORY COMMISSION AND THE NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION, *Report on Transmission Facility Outages During the Northeast Snowstorm of October 29-30, 2011 – Causes and Recommendations*, May 31, 2012, available at https://www.nerc.com/pa/rmm/ea/October%202011%20Northeast%20Snow%20Storm%20Event/NE_Outage_Report-05-31-12.pdf
13. UNITED STATES QUADRENNIAL ENERGY REVIEW TASK FORCE, *Quadrennial Energy Review: Energy Transmission, Storage, and Distribution Infrastructure*, April 2015, available at <https://www.energy.gov/policy/downloads/quadrennial-energy-review-full-report>
14. UNITED STATES QUADRENNIAL ENERGY REVIEW TASK FORCE, *Quadrennial Energy Review Second Installment: Transforming the Nation's Electricity System*, January 2017, available at <https://www.energy.gov/policy/downloads/quadrennial-energy-review-second-installment>
15. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2023*, March 16, 2023, available at <https://www.eia.gov/outlooks/aeo/>
16. FEDERAL COMMUNICATIONS COMMISSION, Nationwide Programmatic Agreement Regarding The Section 106 National Historic Preservation Act Review Process, available at [Nationwide Programmatic Agreement Regarding The Section 106 National Historic Preservation Act Review Process | Federal Communications Commission \(fcc.gov\)](#)
17. UNITED STATES FISH AND WILDLIFE SERVICE, New England Field Office, Addressing Northern Long-eared Bat, available at <https://www.fws.gov/office/new-england-ecological-services/angered-species-project-review#Step4>

18. UNITED STATES DEPARTMENT OF AGRICULTURE, Soil Survey Manual, Handbook No. 18, March 2017 (amended 2018), *available at* <https://www.nrcs.usda.gov/sites/default/files/2022-09/The-Soil-Survey-Manual.pdf>

REGIONAL

19. ISO-NEW ENGLAND, INC., *2021 Regional System Plan*, November 2, 2021, <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
20. ISO-NEW ENGLAND, INC., *Regional System Plan Project List*, March 2023, *available at* <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
21. ISO-NEW ENGLAND, INC., *Regional System Plan Asset Conditions List*, March 2023, *available at* <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
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25. CONNECTICUT SITING COUNCIL, *2022 Review of the Ten-Year Forecast of Connecticut Electric Loads and Resources*, January 5, 2023, *available at* https://portal.ct.gov/-/media/CSC/1_Dockets-medialibrary/Forecast2022/F2022-finalreportwithattachments_s.pdf
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27. CONNECTICUT SITING COUNCIL, *2022 Analysis of Life-cycle Costs of Electric Transmission Lines*, January 5, 2023, *available at* https://portal.ct.gov/-/media/CSC/1_Dockets-medialibrary/LifeCycle/2022LifeCycle/Lifecycle2022finalmemoandreport_s.pdf

28. **EM-UI-015-051-158-190306e** – United Illuminating Company (UI) notice of intent to modify an existing energy facility located between Pequonnock Substation in Bridgeport, Connecticut to Ash Creek Substation in Fairfield, Connecticut, and Sasco Creek Substation in Westport, Connecticut, *available at* https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Fairfield
29. **PETITION NO. 1176** – The United Illuminating Company declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed Bridgeport 115-kV transmission line upgrade project consisting of the northern and southern sections of 115-kV lines extending from Congress Substation in the City of Bridgeport to Baird Substation in the Town of Stratford, Connecticut, and related substation improvements, *available at* https://portal.ct.gov/CSC/3_Petitions/Petition-Nos-0001-1219/PetitionNo1176UIStratford
30. **PETITION NO. 1549** – The Connecticut Light and Power Company d/b/a Eversource Energy declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed 1714 Line Rebuild Project consisting of the replacement and reconductoring of approximately 9.4 miles of its existing Nos. 1714, 1720, and 1222 115-kilovolt (kV) electric transmission lines and one structure along its 1637 line within existing Eversource electric transmission right-of-way between Eversource’s Weston Substation, 85 Weston Street in Weston and the United Illuminating Company’s Old Town Substation, 122 Kaechele Place in Bridgeport, Connecticut traversing Weston, Fairfield, Easton and Bridgeport and related electric transmission line and substation improvements, *available at* https://portal.ct.gov/CSC/3_Petitions/Petition-Nos-1501-1600/PE1549
31. **DOCKET NO. 3B** – The United Illuminating Company Amended Certificate of Environmental Compatibility and Public Need for replacement of a portion of the existing Derby – Shelton 115-kV electric transmission line facility. Reopening of this Certificate based on changed conditions pursuant to Connecticut General Statutes §4-181a(b), *available at* https://portal.ct.gov/CSC/1_Applications-and-Other-Pending-Matters/Applications/1_DocketNos1-199/DO3B
32. **DOCKET NO. 141** - Connecticut Light and Power Company and United Illuminating Company Certificate of Environmental Compatibility and Public Need for the construction of a 115 kV electric transmission line and related telecommunications equipment between the United Illuminating Company’s Pequonnock Substation in Bridgeport and the Connecticut Light and Power Company’s Ely Avenue Junction in Norwalk, Connecticut, *available at* <https://portal.ct.gov/CSC/Decisions/DocketLists/Docket-List-Nos1-499#Department>
33. **DOCKET NO. 483** - The United Illuminating Company Certificate of Environmental Compatibility and Public Need for the Pequonnock Substation Rebuild Project that entails construction, maintenance, and operation of a 115/13.8-kilovolt (kV) gas insulated replacement substation facility located 700 feet southwest of UI’s existing Pequonnock substation on an approximately 3.7 acre parcel owned by PSEG Power Connecticut, LLC at 1 Kiefer Street, Bridgeport, Connecticut, and related transmission structure and interconnection improvement, *available at* https://portal.ct.gov/CSC/1_Applications-and-Other-Pending-Matters/Applications/3_DocketNos400s/Docket-No-483--UIBridgeport

34. **DOCKET NO. 508** – The United Illuminating Company (UI) Certificate of Environmental Compatibility and Public Need for the Milvon to West River Railroad Transmission Line 115-kV Rebuild Project that consists of the relocation and rebuild of its existing 115- kilovolt (kV) electric transmission lines from the railroad catenary structures to new steel monopole structures and related modifications to facilitate interconnection of the rebuilt 115-kV electric transmission lines at UI’s existing Milvon, Woodmont, Allings Crossing, Elmwest and West River substations along approximately 9.5 miles of the Connecticut Department of Transportation’s Metro-North Railroad corridor traversing the municipalities of Milford, Orange, West Haven and New Haven, Connecticut. Record. https://portal.ct.gov/CSC/1_Applications-and-Other-Pending-Matters/Applications/4_DocketNos500s/Docket-No-508

Department of Energy and Environmental Protection

35. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, *Connecticut Guidelines for Soil Erosion and Sediment Control*, DEP Bulletin 34, May 2002, last revised November 2007, available at <https://portal.ct.gov/DEEP/Water/Soil-Erosion-and-Sediment-Control-Guidelines/Guidelines-for-Soil-Erosion-and-Sediment-Control>
36. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *The Connecticut Stormwater Quality Manual*, 2004, and appendices, available at <https://portal.ct.gov/DEEP/Water-Regulating-and-Discharges/Stormwater/Stormwater-Manual>
37. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF WATER MANAGEMENT, PLANNING AND STANDARDS DIVISION, *Water Quality Standards, (Surface Water Quality Standards and Ground Water Quality Standards)* Effective November 21, 2015, available at https://portal.ct.gov/-/media/DEEP/water/water_quality_standards/wqsfinaladopted22511.pdf.pdf
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40. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *2020 Integrated Resource Plan*, October 7, 2021, available at <http://portal.ct.gov/DEEP/Energy/Integrated-Resource-Planning/Integrated-Resource-Planning>

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48. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Long Island Sound Blue Plan*, September 2019, available at <https://portal.ct.gov/DEEP/Coastal-Resources/LIS-Blue-Plan/Long-Island-Sound-Blue-Plan-Home>

Department of Public Health

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Department of Transportation

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51. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, *Utility Accommodation Manual*, February 2009, available at <https://portal.ct.gov/-/media/DOT/documents/dutilities/ACCOMODATIONpdf.pdf>
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Other State Agencies

53. STATE OF CONNECTICUT, OFFICE OF POLICY AND MANAGEMENT, *Conservation and Development Policies Plan for Connecticut 2018-2023*, December 4, 2019, available at <https://portal.ct.gov/-/media/OPM/IGPP/ORG/cdplan/20190214--Formatted-Document--20182023-Revised-State-CD-Plan.pdf>
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TECHNICAL

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MAPS

78. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Natural Diversity Database Maps for the City of Bridgeport and Town of Fairfield*, December 2022, available at <http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp>
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83. NATIONAL AUDUBON SOCIETY, *Connecticut Important Bird Areas*, available at <https://www.audubon.org/important-bird-areas/state/connecticut>
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86. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, *Connecticut Official State Tourism Map*
87. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *State Park and Forests Interactive Map*, available at <https://ctdeep.maps.arcgis.com/apps/webappviewer/index.html?id=950da678b13b458ba4cbe5687e902c19&deepNav=%7C>

C. State Agency comments

1. Connecticut Airport Authority Comments, dated April 17, 2023
2. Council on Environmental Quality Comments, dated May 25, 2023

D. Municipal comments

1. Town of Fairfield Conservation Commission Comments, dated February 21, 2023
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II. Appearance by Applicant

Applicant: The United Illuminating Company (UI)

Representative: Bruce McDermott, Esq.
Murtha Cullina LLP

A. Administrative Notice.

- 1.

B. Exhibits for Identification.

1. Application for a Certificate of Environmental Compatibility and Public Need filed by The United Illuminating Company, received March 17, 2023, and attachments and bulk file exhibits including:

Bulk file exhibits:

- a. City of Bridgeport Zoning Code
- b. City of Bridgeport Zoning Map
- c. City of Bridgeport Plan of Conservation and Development
- d. City of Bridgeport Inland Wetlands and Watercourses Regulations
- e. City of Bridgeport Inland Wetlands Soil Map
- f. Town of Fairfield Zoning Regulations
- g. Town of Fairfield Zoning Map
- h. Town of Fairfield Plan of Conservation and Development
- i. Town of Fairfield Inland Wetlands and Watercourses Regulations
- j. Town of Fairfield Inland Wetland Soil Map
- k. Municipal Consultation Filing:
 - Volume 1 - Description of Proposed Project
 - Volume 1A - Appendix A - Agency Correspondence
 - Volume 1A - Appendix B - Ecological Assessment Report
 - Volume 1A - Appendix C - Visual Assessment and Photo-Simulations
 - Volume 1A - Appendix D - Cultural Resources Report
 - Volume 2 - Project Mapping and Drawings
 - Outreach Log
 - Frequently Asked Questions
 - Railroad Power Line Upgrades
 - Presentation to Bridgeport
 - Presentation to Westport
 - Fairfield Public Information Meeting Presentation
 - Bridgeport Public Information Meeting Presentation
 - Virtual Open House Postcard

UI's Project Page

2. Applicant's Corrected Public Notice Submission, dated March 21, 2023
3. Applicant's Responses to Council Interrogatories, Set One, dated May 31, 2023
4. Applicant's Pre-filed Testimony of Brian Ragozzine, dated June 29, 2023
5. Applicant's Virtual Tour of Project, received June 29, 2023
6. Applicant's Letter to SHPO Concerning Supplemental Information to the Phase IA Cultural Resources Assessment Survey, dated June 30, 2023
7. Applicant's Responses to Council Interrogatories, Set Two, dated July 18, 2023
8. Applicant's Responses to BJ's Wholesale Club, Inc. Interrogatories, dated July 18, 2023
9. Applicant's Sign Posting Affidavit, dated July 18, 2023
10. Applicant's Witness Resumes, received July 18, 2023

C. Swear Witnesses

1. Correne Auer, PE, Manager, Environmental, Programs/Projects, UI
2. Todd Berman, Senior Manager, Environmental Programs & Compliance, UI
3. Aziz Chouhdery, P.E., Lead Engineer, Project Unit HV Lines, UI
4. Shawn Crosbie, Manager – Projects Unit Transmission Lines CT, UI
5. Dr. Benjamin Cotts, Ph.D., P.E., Principal Engineer, Exponent
6. Leslie Downey, Outreach Specialist, Public Outreach Projects, UI
7. Brian Gaudet, Project Manager, All-Points Technology Corporation, P.C.
8. David R. George, M.A., R.P.A., Principal Investigator, Heritage Consultants, LLC
9. Zachary Logan, Manager/Project Development/Integrated System Planning (NE), Central Maine Power
10. Brian Ragozzine, Project Manager, UI
11. Matthew Parkhurst, P.E., Transmission Engineering Supervisor, Westwood Professional Services
12. Annette Potasz, Real Estate Projects, UI
13. MeeNa Sazanowicz, Transmission Line Standards, UI

D. Full Exhibits - Verification of exhibits by witnesses and admission by the Council.

E. Cross Examination.

1. Council
2. BJ's Wholesale Club, Inc.

III. Appearance by Party: BJ's Wholesale Club, Inc. (BWC)

Representative: Daniel E. Casagrande, Esq.
Joseph P. Mortelliti, Esq.
Cramer & Anderson LLP

A. Administrative Notice.

1.

B. Exhibits for Identification.

1. BWC Request for Party or Intervenor Status, dated June 27, 2023

C. Swear Witnesses

1. Vincent C. McDermott, FASLA, AICP, Principal Landscape Architect, SLR International Corporation
2. Patrick Netreba, Director of Real Estate, BJ's Wholesale Club, Inc.

D. Full Exhibits - Verification of exhibits by witnesses and admission by the Council.

E. Cross Examination.

1. Council
 2. Applicant
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IV. Continuation by Connecticut Siting Council.