



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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Hearing Program
Docket No. 508
Tuesday, June 14, 2022
2:00 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 http://www.niehs.nih.gov/health/assets/docs_p_z/results_of_emf_research_emf_questions_answers_booklet.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. 70/7460-1L (December 4, 2015), available at https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70_7460-1L_.pdf
8. FEDERAL AVIATION ADMINISTRATION, *Specification for Obstruction Lighting Equipment, Advisory Circular AC No. 150/5345-43J*, March 11, 2019, available at https://www.faa.gov/documentLibrary/media/Advisory_Circular/150-5345-43J.pdf

9. UNITED STATES DEPARTMENT OF ENERGY, FEDERAL ENERGY REGULATORY COMMISSION AND THE NORTH AMERICAN ELECTRIC AND RELIABILITY CORPORATION, *Report on Transmission Facility Outages During the Northeast Snowstorm of October 29-30, 2011 – Causes and Recommendations*, May 31, 2012, available at <http://ferc.gov/legal/staff-reports/05-31-2012-ne-outage-report.pdf>
10. NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION, Critical Infrastructure Protection, CIP-014-1, Physical Security Standards, May 1, 2014, available at <http://www.nerc.com/pa/Stand/Reliability%20Standards/CIP-014-1.pdf>
11. UNITED STATES DEPARTMENT OF ENERGY, FEDERAL ENERGY REGULATORY COMMISSION, *Guidelines for the Protection of Natural, Historic, Scenic and Recreational Values in the Design and Location of Rights-of-Way and Transmission Facilities*, November 27, 1970.
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*, available at <http://ferc.gov/legal/staff-reports/05-31-2012-ne-outage-report.pdf>
13. UNITED STATES QUADRENNIAL ENERGY REVIEW TASK FORCE, *Quadrennial Energy Review: Energy Transmission, Storage, and Distribution Infrastructure*, April 2015, available at <http://energy.gov/epsa/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 2021*, February 3, 2021, available at <https://www.eia.gov/outlooks/aeo/>
16. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Levelized Cost of New Generation Resources in the Annual Energy Outlook 2021*, February 2021, available at https://www.eia.gov/outlooks/aeo/pdf/electricity_generation.pdf
17. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2022*, March 3, 2022, available at <https://www.eia.gov/outlooks/aeo/>
18. UNITED STATES FISH AND WILDLIFE SERVICE, Final 4(d) Rule for the Northern Long-eared Bat, January 14, 2016, available at <https://www.fws.gov/Midwest/endangered/mammals/nleb/pdf/FRnlebFinal4dRule14Jan2016.pdf>
19. UNITED STATES DEPARTMENT OF AGRICULTURE, Soil Survey Manual, Handbook No. 18, March 2017, available at https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/soils/ref/?cid=nrcs142p2_054262

REGIONAL

20. ISO-NEW ENGLAND, INC., *2019 Regional System Plan*, October 31, 2019, <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
21. ISO-NEW ENGLAND, INC., *2021 Regional System Plan*, November 2, 2021, <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
22. ISO-NEW ENGLAND, INC., *Regional System Plan Project List*, March 2022, available at <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
23. ISO-NEW ENGLAND, INC., *2020-2029 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, April 30, 2020, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
24. ISO-NEW ENGLAND, INC., *2021-2030 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, April 30, 2021, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
25. ISO-NEW ENGLAND, INC., *2020 Regional Electricity Outlook*, February 2020, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
26. ISO-NEW ENGLAND, INC., *2021 Regional Electricity Outlook*, March 2021, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
27. ISO-NEW ENGLAND, INC., *ISO Recommendation for Cost Regionalization in Flood Hazard Areas*, September 27, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/09/a9_iso_recommendation_for_cost_regionalization_in_flood_hazard_areas_update_for_screening_test.pdf
28. ISO-NEW ENGLAND, INC., *State of the Grid: 2019, Presentation by Gordon van Welie*, February 20, 2019, available at https://www.iso-ne.com/static-assets/documents/2019/02/20190220_pr_state-of-the-grid_presentation_final.pdf
29. ISO-NEW ENGLAND, INC., *State of the Grid: 2020, Presentation by Gordon van Welie*, March 6, 2020, available at https://www.iso-ne.com/static-assets/documents/2020/03/20200306_stateofthegrid2020.pdf

STATE

Connecticut Siting Council

30. CONNECTICUT SITING COUNCIL, *Electric and Magnetic Field Best Management Practices for the Construction of Electric Transmission Lines in Connecticut*, December 14, 2007, revised February 20, 2014, available at <http://www.ct.gov/csc/emf-bmp>
31. CONNECTICUT SITING COUNCIL, *2014/2015 Forecast of Electric Loads and Resources*, December 10, 2015, available at http://www.ct.gov/csc/lib/csc/pendingproceeds/forecast_2014_2015/f-2015_finalreport.pdf

32. CONNECTICUT SITING COUNCIL, *2017/2018 Forecast of Electric Loads and Resources*, November 8, 2018, available at https://www.ct.gov/csc/lib/csc/pendingproceeds/forecast_2018_2019/f2018/finalreport/f2017-18-cscfinalreport.pdf
33. CONNECTICUT SITING COUNCIL, *White Paper on the Security of Siting Energy Facilities*, October 8, 2009, available at http://www.ct.gov/csc/lib/csc/docket_346/whitepr_final.pdf
34. CONNECTICUT SITING COUNCIL, *Investigation into the Life Cycle Costs of Electric Transmission Lines*, November 15, 2012, available at http://www.ct.gov/csc/lib/csc/lifecycle2011/life_cycle_final_report.pdf
35. CONNECTICUT SITING COUNCIL, *Investigation into the Life-cycle Costs of Electric Transmission Lines*, October 11, 2018, available at https://www.ct.gov/csc/lib/csc/publications/2017-life-cycle_finalrpt.pdf
36. Letter from Robert Carberry, Project Manager, NEEWS Siting and Permitting, Connecticut Light & Power Company to Melanie Bachman, Acting Executive Director, Connecticut Siting Council regarding underground reconstruction of distribution line segments at transmission line road crossings, dated May 17, 2013.
37. **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. Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Norwalk
38. **DOCKET NO. 461A** - Eversource Energy Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a 115-kilovolt (kV) bulk substation located at 290 Railroad Avenue, Greenwich, Connecticut, and two 115-kV transmission circuits extending approximately 2.3 miles between the proposed substation and the existing Cos Cob Substation, Greenwich, Connecticut, and related substation improvements. Reopening of this docket based on changed conditions pursuant to Connecticut General Statutes §4-181a(b). Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Greenwich

39. **DOCKET NO. 474** - The Connecticut Light & Power Company d/b/a Eversource Energy Certificate of Environmental Compatibility and Public Need for the Greater Hartford-Central Connecticut Reliability Project that traverses the municipalities of Hartford, West Hartford, and Newington, which consists of (a) construction, maintenance and operation of a new 115-kilovolt (kV) electric transmission line within existing Eversource, Amtrak and public road rights-of-way and associated facilities extending overhead approximately 2.4 miles and underground approximately 1.3 miles between Eversource's existing Newington Substation in the Town of Newington and existing Southwest Hartford Substation in the City of Hartford; (b) modifications to a .01 mile section within existing Eversource right-of-way of the existing overhead 115-kV electric transmission line connection to the Newington Substation (Newington Tap); and (c) related modifications to Newington Substation and Southwest Hartford Substation. Record and Final Decision *available at* https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Newington
40. **PETITION NO. 926** - United Illuminating declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed modifications to UI's existing East Shore Substation and West River Switching Station, New Haven, Connecticut. Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---New-Haven
41. **PETITION NO. 940** - The United Illuminating Company (UI) declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed transmission structure relocation work in connection with the Department of Transportation West Haven Railroad Station project located in West Haven, Connecticut, Record and Final Decision, available at <https://portal.ct.gov/CSC/Decisions/PETITION-LISTS/Petition-List-500-999#950>
42. **PETITION NO. 958** - United Illuminating declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the replacement of a pressurization plant to UI's West River Switching Station located at 255 Ella T. Grasso Boulevard (State Route 10) Overpass, New Haven, Connecticut. Record and Acknowledgment *available at* https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---New-Haven
43. **PETITION NO. 1094** - The United Illuminating Company declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed upgrades to the Elmwest Substation located at 335 Elm Street, West Haven, Connecticut. Record and Acknowledgment *available at* https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---West-Haven
44. **PETITION NO. 1110** - The United Illuminating Company declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed Milford 115-kV transmission line upgrade project consisting of the northern and southern sections of 115-kV lines. Record and Final Decision *available at* https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Milford

45. **PETITION NO. 1151** – The United Illuminating Company declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed removal and replacement of the existing 115-kV transmission line structures in the Connecticut Department of Transportation right-of-way outside of Milvon substation located at 772 Bridgeport Avenue, Milford, Connecticut. Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Milford
46. **PETITION NO. 1293** – Eversource Energy declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for all transmission facility asset condition maintenance improvements to comply with the updated National Electric Safety Code clearance requirements. Record and Final Decision, available at https://portal.ct.gov/CSC/3_Petitions/Petition-Nos-1291-1300/Petition-No-1293Eversource
47. **EM-UI-084-160606e** - The United Illuminating Company notice of intent to modify an existing energy facility located at 324 Woodmont Road, Milford, Connecticut. Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---Milford
48. **EM-UI-156a-200402e** - The United Illuminating Company (UI) notice of intent to modify an existing energy facility located at 260 Frontage Road, West Haven, Connecticut. Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---West-Haven
49. **EM-UI-156b-200402e** - The United Illuminating Company (UI) notice of intent to modify an existing energy facility located 335 Elm Street, West Haven, Connecticut. Record and Final Decision available at https://portal.ct.gov/CSC/2_Facility/Facility/Facility-List---West-Haven

Department of Energy and Environmental Protection

50. 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 http://www.ct.gov/deep/cwp/view.asp?a=2720&q=325660&depNav_GID=1654
51. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *The Connecticut Stormwater Quality Manual, 2004, and appendices*, available at http://www.ct.gov/deep/cwp/view.asp?a=2721&q=325704&depNav_GID=1654
52. 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/wqsfinaladopted22511pdf.pdf

53. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Connecticut Air Quality Standards*, Effective April 15, 2014, Regulations of Connecticut State Agencies §§ 22a-174-24, et seq., available at <https://eregulations.ct.gov/eRegsPortal/Browse/RCSA>
54. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Connecticut Noise Control Regulations*, Effective June 15, 1978, Regulations of Connecticut State Agencies §§22a-69-1, et seq., available at https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-69/
55. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *2014 Integrated Resource Plan for Connecticut*, March 17, 2015, available at <http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/8e95d81c37c7237085257e0b004770b2?OpenDocument>
56. 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>
57. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *2018 Comprehensive Energy Strategy for Connecticut*, February 8, 2018, available at <https://portal.ct.gov/DEEP/Energy/Comprehensive-Energy-Plan/Comprehensive-Energy-Strategy>
58. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF NATURAL RESOURCES, Connecticut's Endangered, Threatened and Special Concern Species 2015, August 2015, available at http://www.ct.gov/deep/lib/deep/wildlife/pdf_files/nongame/ETS15.pdf
59. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF NATURAL RESOURCES, *Connecticut's Wildlife Action Plan*, 2015 Revision, available at http://www.ct.gov/deep/cwp/view.asp?a=2723&q=329520&deepNav_GID=1719#Review
60. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF WATER MANAGEMENT, WETLANDS MANAGEMENT SECTION, Guidelines: Upland Review Area Regulations, Connecticut's Inland Wetlands and Watercourses Act, June 1997, available at http://www.ct.gov/deep/lib/deep/water_inland/wetlands/upland_review_document_june1997.pdf
61. 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>

62. [STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, INLAND FISHERIES DIVISION, *Habitat Conservation and Enhancement Program, Stream Crossing Guidelines*, February 26, 2008, available at <https://www.ct.gov/deep/lib/deep/fishing/restoration/streamcrossingguidelines.pdf>](https://www.ct.gov/deep/lib/deep/fishing/restoration/streamcrossingguidelines.pdf)
63. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Watershed Management Plans and Documents*, available at: <https://portal.ct.gov/DEEP/Water/Watershed-Management/Watershed-Management-Plans-and-Documents>
64. [STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, STORMWATER PROGRAM, *Stormwater Construction Filings*, available at <https://filings.deep.ct.gov/DEEPPortal/PublicSearch/SWC>](https://filings.deep.ct.gov/DEEPPortal/PublicSearch/SWC)
65. [STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, STORMWATER PROGRAM, *General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. General Permit for Discharge of Stormwater and \(ct.gov\)*](#)

Department of Public Health

66. STATE OF CONNECTICUT, DEPARTMENT OF PUBLIC HEALTH, *Electric and Magnetic Fields (EMF): Health Concerns Fact Sheet*, revised April 2008, available at https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/environmental_health/eoha/pdf/EMFFactSheet2008pdf.pdf?la=en

Department of Transportation

67. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, *ConnDOT Drainage Manual*, 2000, last revised July 2016, available at <http://www.ct.gov/dot/cwp/view.asp?a=3200&q=260116>
68. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, *Utility Accommodation Manual*, February 2009, available at <http://www.ct.gov/dot/lib/dot/documents/dutilities/ACCOMODATION.pdf>
69. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, BUREAU OF ENGINEERING AND HIGHWAY OPERATIONS, *Public Service Facility Policy and Procedures for Highways in Connecticut*, November 2008, available at <http://www.ct.gov/dot/lib/dot/documents/dutilities/UtilityPolicyProcedures.pdf>

Other State Agencies

70. 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/OPM/IGPP-MAIN/Responsible-Growth/Conservation-and-Development-Policies-Plan/2018-2023-POCD-Update>
71. Final Report of the Two Storm Panel, January 9, 2012, available at http://www.governor.ct.gov/malloy/lib/malloy/two_storm_panel_final_report.pdf

72. STATE OF CONNECTICUT, DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, *State of Connecticut State Response Framework, Version 4.1*, September 2014, available at <https://portal.ct.gov/-/media/DEMHS/docs/SRFV41pdf.pdf>
73. GOVERNOR'S STEERING COMMITTEE ON CLIMATE CHANGE, ADAPTATION SUBCOMMITTEE, *Connecticut Climate Change Preparedness Plan, Adaptation Strategies for Agriculture, Infrastructure, Natural Resources and Public Health Climate Change Vulnerabilities*, 2011, available at http://www.ct.gov/deep/lib/deep/climatechange/connecticut_climate_preparedness_plan_2011.pdf
74. PUBLIC UTILITIES REGULATORY AUTHORITY, *Cybersecurity and Connecticut's Public Utilities*, April 14, 2014, available at http://www.ct.gov/pura/lib/pura/electric/cyber_report_041414.pdf
75. PUBLIC UTILITIES REGULATORY AUTHORITY, *Connecticut Public Utilities Cybersecurity Action Plan*, April 6, 2016, available at http://www.ct.gov/pura/lib/pura/electric/cyber_report_April_6_2016.pdf
76. PUBLIC UTILITIES REGULATORY AUTHORITY, *2020 Connecticut Public Utility Annual Cybersecurity Report*, April 5, 2021, available at <https://portal.ct.gov/-/media/PURA/2020-Connecticut-Public-Utility-Annual-Cybersecurity-Report.pdf>
77. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION AND DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, *2019 Connecticut Natural Hazards Mitigation Plan Update*, January 2019, available at <https://portal.ct.gov/-/media/DEMHS/docs/Plans-and-Publications/EHSP0023--NaturalHazardMitPlan.pdf>
78. STATE OF CONNECTICUT, STATE VEGETATION MANAGEMENT TASK FORCE, *Final Report Issued to the Connecticut Department of Energy and Environmental Protection*, August 28, 2012, available at http://www.ct.gov/deep/lib/deep/forestry/vmtf/final_report/svmtf_final_report.pdf
79. STATE OF CONNECTICUT, EXECUTIVE ORDER NO. 7, Protection of Public Health and Safety During COVID-19 Pandemic and Response, March 12, 2020, and subsequent orders related thereto, available at <https://portal.ct.gov/-/media/Office-of-the-Governor/Executive-Orders/Lamont-Executive-Orders/Executive-Order-No-7.pdf>
80. STATE OF CONNECTICUT, SPECIAL ACT NO. 21-2, Sections 149-150, July 1, 2021, available at <https://www.cga.ct.gov/2021/act/pa/pdf/2021PA-00002-R00SB-01202SS1-PA.pdf>
81. *Manor Development Corp. v. Conservation Comm. of Simsbury*, 180 Conn. 692, 701 (1980).
82. *Grimes v. Conservation Comm. of Litchfield*, 243 Conn. 266, 278 (1997).
83. *FairwindCT, Inc. v. Connecticut Siting Council*, 313 Conn. 669 (2014).

84. *Connecticut Energy Marketers Association v. Dept. of Energy and Environmental Protection*, 324 Conn. 362 (2016).
85. *Corcoran v. Connecticut Siting Council*, 284 Conn. 455 (2007).

TECHNICAL

86. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *IEEE Standard Procedures for Measurement of Power Frequency Electric and Magnetic Fields from AC Power Lines*, IEEE Std 644-2019, available for purchase at <http://standards.ieee.org/ieee/644/6732/>
87. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *IEEE Guide for the Design, Construction, and Operation of Safe and Reliable Substations for Community Acceptance and Environmental Compatibility*, IEEE Std 1127-2013, available for purchase at <http://standards.ieee.org/findstds/standard/1127-2013.html>
88. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *2015 IEEE Guide for Animal Deterrents for Electric Power Supply Substations*, June 9, 2015, available for purchase at <https://standards.ieee.org/findstds/standard/1264-2015.html>
89. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *National Electrical Safety Code*, American National Standards Institute, Standard C2-2017, October 18, 2016.
90. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *National Electrical Safety Code*, American National Standards Institute, Standard C2-2023, August 1, 2022.
91. NATIONAL FIRE PROTECTION ASSOCIATION 70: *National Electrical Code*, 2017.
92. EXPONENT, INC., *EMF and Health: Comprehensive Review and Update of the Scientific Research – January 15, 2010 through March 1, 2012*, July 27, 2012, available at <https://www.bchydro.com/content/dam/BCHydro/customer-portal/documents/corporate/community/exponent-2010-2012.pdf>
93. EXPONENT, INC., *Research on Extremely Low Frequency Electric and Magnetic Fields and Health*, August 1, 2012 – August 31, 2016, dated April 11, 2017, available at https://www.ct.gov/csc/lib/csc/pendingproceeds/docket_474/1_application/474_2_ghcep_application_volume2.pdf

ENVIRONMENTAL

94. RICHARD M. DEGRAAF & DEBORAH D. RUDIS, *New England Wildlife: Habitat, Natural History, and Distribution*, University of Massachusetts Press, 1983, available at <http://www.treesearch.fs.fed.us/pubs/4148>
95. UNITED STATES ARMY CORPS OF ENGINEERS, NEW ENGLAND DISTRICT, *Vernal Pool Best Management Practices*, January 2015, available at <https://www.nae.usace.army.mil/Portals/74/docs/regulatory/VernalPools/VPBMPsJan2015.pdf>

96. Christopher Barton and Karen Kinkead, *Do Erosion Control and Snakes Mesh?*, Journal of Science and Water Conservation 2005, Volume 60, Number 2, available at <http://www.treesearch.fs.fed.us/pubs/21050>
97. AVIAN POWER LINE INTERACTION COMMITTEE, *Suggested Practices for Avian Protection on Power Lines*, 2006, available at [http://www.aplic.org/uploads/files/2643/SuggestedPractices2006\(LR-2\).pdf](http://www.aplic.org/uploads/files/2643/SuggestedPractices2006(LR-2).pdf)
98. UNITED STATES ARMY CORPS OF ENGINEERS, NEW ENGLAND DISTRICT, *The Highway Methodology Workbook*, October 1993, available at <http://www.nae.usace.army.mil/Portals/74/docs/regulatory/Forms/HighwayMethodBook.pdf>
99. UNITED STATES ARMY CORPS OF ENGINEERS, NEW ENGLAND DISTRICT, *The Highway Methodology Workbook Supplement, Wetland Functions and Values*, September 1999, available at <http://www.nae.usace.army.mil/Portals/74/docs/regulatory/Forms/HighwaySupplement6Apr2015.pdf>
100. UNITED STATES ARMY CORPS OF ENGINEERS, *Regional Supplement to the Corps of Engineers Wetland Delineation Manual, Northcentral and Northeast Region*, January 2012, available at: https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1046787.pdf
101. UNITED STATES ARMY CORPS OF ENGINEERS, *Regional Permits for the State of Connecticut*, Effective Date December 15, 2021, Expiration Date December 15, 2026, available at: https://portal.ct.gov/-/media/DEEP/Permits_and_Licenses/Land_Use_Permits/LWRD/USACEctGeneralPermit2021.pdf

MAPS

102. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Natural Diversity Database Map for the Cities of New Haven, West Haven and Milford and the Town of Orange*, last updated December 2021, available at <http://www.depdata.ct.gov/naturalresources/angeredspecies/nddbpdfs.asp>
103. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Aquifer Protection Area Map for the State of Connecticut*, last updated December 23, 2021, available at <https://portal.ct.gov/DEEP/Aquifer-Protection-and-Groundwater/Aquifer-Protection/Aquifer-Protection-Area-Maps>
104. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Northern long-eared bat areas of concern in Connecticut to assist with Federal Endangered Species Act Compliance*, last updated March 6, 2019, available at https://portal.ct.gov/-/media/DEEP/angered_species/images/nlebmappdf.pdf?la=en
105. UNIVERSITY OF CONNECTICUT, CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE, *Connecticut Critical Habitats and Open Space*, last updated November 28, 2012, available at <http://cteco.maps.arcgis.com/home/item.html?id=a1bf59798c5b45a98aeab97daf60b9>

106. CONNECTICUT FOREST & PARK ASSOCIATION, BLUE-BLAZED HIKING TRAILS INTERACTIVE MAP, available at <https://www.ctwoodlands.org/blue-blazed-hiking-trails/blue-blazed-hiking-trails-interactive-map>
107. NATIONAL AUDUBON SOCIETY, *Connecticut Important Bird Areas*, available at <https://www.audubon.org/important-bird-areas/state/connecticut>
108. Mail-A-Map Street Map, Cities of New Haven, West Haven and Milford and Town of Orange, available at <http://mailamap.com/street-maps>
109. UNITED STATES GEOLOGICAL SURVEY, Interactive Topographical Map available at http://magic.lib.uconn.edu/topographic_maps.html
110. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, *Connecticut Official State Tourism Map*

C. State Agency comments

1. Department of Energy and Environmental Protection Comments, dated April 21, 2022
2. Council on Environmental Quality Comments, dated April 27, 2022
3. Department of Transportation Comments, dated June 10, 2022

D. Public Official comments

1. Milford Legislative Delegation Comments, dated May 23, 2022

E. Municipal comments

1. City of West Haven Department of Planning and Development Comments, received May 13, 2022

II. Appearance by 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 February 28, 2022, and attachments and bulk file exhibits including:

Bulk Filing (1):

- a. City of Milford

- 1) Zoning Regulations including the 2019-2020 Zoning Regulation Amendments;
 - 2) Zoning Map;
 - 3) 2012 Plan of Conservation and Development;
 - 4) Inland Wetlands and Water Courses Regulations; and
 - 5) Connecticut Inland Wetlands Soils Map.
- b. Town of Orange:
- 1) Zoning Regulations;
 - 2) Zoning Map;
 - 3) 2015 Plan of Conservation and Development;
 - 4) Inland Wetlands and Water Courses Regulations; and
 - 5) Connecticut Inland Wetlands Soils Map.
- c. City of West Haven:
- 1) Zoning Regulations;
 - 2) Zoning Map;
 - 3) 2017 Plan of Conservation and Development;
 - 4) Inland Wetland and Water Course Regulations; and
 - 5) Connecticut Inland Wetlands Soils Map.
- d. City of New Haven:
- 1) Zoning Ordinance;
 - 2) Zoning Map;
 - 3) 2015 Plan of Conservation and Development;
 - 4) Inland Wetlands and Watercourses Regulations; and
 - 5) Connecticut Inland Wetlands Soils Map.
- e. Conservation and Development Policies: The Plan for Connecticut 2018-2023 (Revised Draft).
- f. South Central Region: Plan of Conservation and Development 2018-2028

Bulk Filing (2)

- a. The October 2021 Municipal Consultation Filing (October 2021 MCF) submitted to the Chief Elected Officials of the Municipalities on October 28, 2021;
 - b. An outreach log listing communications between UI and representatives from the Municipalities and a summary of the Company's municipal outreach;
 - c. A list of UI initiatives to inform the public about the project;
 - d. UI's presentations for the meetings with Milford, Orange and West Haven held after submission of the October 2021 MCF;
 - e. UI's presentation for the February 28, 2022 virtual Public Information Meeting and a copy of the letter sent to abutting property owners informing them of the public meeting;
 - f. A postcard inviting the public to a Virtual Open House; and
 - g. Copies of the web content of UI's project page, which can be accessed at www.UIRailroadTLineUpgrades.com (the website includes Open House and Project Overview videos).
2. Applicant's Letter to the Council Regarding Life Cycle Costs, dated March 7, 2022
 3. Applicant's Responses to City of Milford's Recommendations, dated April 11, 2022
 4. Applicant's Sign-Posting Affidavit, dated April 19, 2022
 5. Applicant's Responses to Council Interrogatories, Set One, dated April 21, 2022
 6. Applicant's Virtual Tour of Project, received April 21, 2022
 7. Applicant's Pre-filed testimony of Shawn Crosbie, dated April 21, 2022

8. Applicant's Witness Resumes, received April 21, 2022
9. Applicant's Revised Response to Council Set One Interrogatory No. 16, dated May 13, 2022
10. Applicant's Additional Witness Resumes, received May 17, 2022
11. Applicant's Late-Filed Exhibits, dated May 17, 2022
12. Applicant's Responses to City of Milford's Interrogatories, Set One, dated May 17, 2022
13. Applicant's Responses to City of Milford's Interrogatories, Set Two, dated May 17, 2022
14. Applicant's Revised Response to City of Milford's Set Two Interrogatory No. 6, dated May 18, 2022
15. Applicant's Revised Response to City of Milford's Set Two Interrogatory No. 7, dated May 24, 2022
16. Applicant's Responses to City of Milford's Interrogatories, Set Three, dated June 8, 2022
17. Applicant's Late-Filed Exhibit, dated June 8, 2022
18. Applicant's Letter from SHPO dated June 8, 2022
19. Applicant's Supplemental Response to City of Milford's Set Three Interrogatory No. 7(a) received June 9, 2022

C. Swear Witnesses

1. Correne Auer, Environmental Permitting & Compliance Specialist, UI
2. Todd Berman, Manager, Environmental Programs & Projects, UI
3. Aziz Chouhdery, P.E., Lead Engineer, Project Unit HV Lines, UI
4. Benjamin Cotts, Ph.D., P.E., Principal Engineer, Exponent
5. Shawn Crosbie, Senior Project Manager, UI
6. Michael Libertine, LEP, Vice President, All-Points Technology Corporation, P.C.
7. Samantha Marone, Manager, Outreach and Engagement, Planning and Coordination, UI
8. Annette Potasz, Real Estate Projects, UI
9. MeeNa Sazanowicz, Transmission Line Standards, UI
10. David R. George, M.A., R.P.A, Principal Investigator, Heritage Consultants, LLC
11. Matthew Parkhurst, P.E., Transmission Engineering Supervisor, Westwood Professional Services
12. Edward Roedel, Principal Engineer, Strategic Planning, UI

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

E. Cross Examination.

1. Council
2. City of Milford

III. Appearance by Party:

City of Milford (City)

Representative:

John W. Knuff, Esq.
Sara A. Sharp, Esq.
Hurwitz, Sagarin, Slossberg & Knuff, LLC

A. Administrative Notice.

1. SHPO Electronic Database for State Register of Historic Places, *available at* https://portal.ct.gov/DECD/Content/Historic-Preservation/03_Technical_Assistance_Research/Research/Historic-Property-Database
2. Historic Preservation Council, Meeting Minutes dated July 11, 2018, *available at* https://portal.ct.gov/-/media/DECD/Historic-Preservation/HistoricPresCouncil_AgendasMinutes/2018/HPCMMinutesApproved7112018.pdf
3. Historic Preservation Council, Meeting Minutes dated August 1, 2018, *available at* https://portal.ct.gov/-/media/DECD/Historic-Preservation/HistoricPresCouncil_AgendasMinutes/2018/HPCMMinutesApproved812018.pdf
4. State Register Nomination for the Milford Green, Broad Street, Milford, dated July 11, 2018, *available at* https://portal.ct.gov/-/media/CSC/1_Dockets-medialibrary/1_MEDIA_DO500_600/DO508/MilfordSubmissions/DO508-20220517_CitySubmission-adminnoticeitems.pdf

B. Exhibits for Identification.

1. City's Notice of Intent to be a Party, dated March 31, 2022
2. City's Pre-filed Testimony of Marguerite Carnell, dated May 17, 2022
3. City's Pre-filed Testimony of Bill Silver, dated May 17, 2022
4. City's Pre-filed Testimony of David Sulkis, Christopher Saley, and MaryRose Palumbo, dated June 7, 2022

C. Swear Witnesses

1. Marguerite Carnell, Archaeological and Historical Services, Inc.
2. Bill Silver, Silver Petrucelli & Associates
3. David Sulkis, City Planner, City of Milford
4. Christopher Saley, Director of Public Works, City of Milford
5. MaryRose Palumbo, Inland Wetlands Officer, City of Milford

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

E. Cross Examination.

1. Council
2. Applicant

IV. Closing by Connecticut Siting Council.