



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

Hearing Program

Docket No. 514

Thursday, June 15, 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 http://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. Presidential Proclamation No. 8460, Critical Infrastructure Month, 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. UNITED STATES DEPARTMENT OF THE INTERIOR, NATIONAL PARK SERVICE, *National Register of Historic Places*, last updated December 28, 2022, available at <https://www.nps.gov/subjects/nationalregister/index.htm>
6. 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 https://www.nerc.com/pa/rrm/ea/October%202011%20Northeast%20Snow%20Storm%20Event/NE_Outage_Report-05-31-12.pdf
7. 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>

8. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2023*, March 16, 2023, available at <https://www.eia.gov/outlooks/aeo/>
9. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Levelized Cost and Levelized Avoided Cost of New Generation Resources in Annual Energy Outlook 2022*, March 2022, available at https://www.eia.gov/outlooks/aeo/pdf/electricity_generation.pdf
10. 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/endangered-species-project-review#Step4>
11. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, Office of Solid Waste and Emergency Response, *Handbook on Siting Renewable Energy Projects While Addressing Environmental Issues*, available at https://www.epa.gov/sites/production/files/2015-04/documents/handbook_siting_repowering_projects.pdf
12. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND NATIONAL RENEWABLE ENERGY LABORATORY, *Best Practices for Siting Solar Photovoltaics on Municipal Solid Waste Landfills*, February 2013, available at <https://www.nrel.gov/docs/fy13osti/52615.pdf>
13. UNITED STATES DEPARTMENT OF AGRICULTURE, *Solar Energy Use in U.S. Agriculture Overview and Policy Issues*, April 2011, available at <https://www.ourenergypolicy.org/wp-content/uploads/2013/08/Solar.pdf>
14. 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>
15. UNITED STATES DEPARTMENT OF TRANSPORTATION, FEDERAL AVIATION ADMINISTRATION, *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
16. UNITED STATES FEDERAL AVIATION ADMINISTRATION, *Evaluation of Glare as a Hazard for General Aviation Pilots on Final Approach*, July 2015 available at https://www.faa.gov/data_research/research/med_humanfacs/oamtechreports/2010s/media/201512.pdf
17. UNITED STATES FEDERAL AVIATION ADMINISTRATION, *Technical Guidance for Evaluating Selected Solar Technologies on Airports*, November 2010 (updated April 2018), available at <https://www.faa.gov/sites/faa.gov/files/airports/environmental/FAA-Airport-Solar-Guide-2018.pdf>
18. UNITED STATES FEDERAL AVIATION ADMINISTRATION, *Review of Solar Energy System Projects on Federally-Obligated Airports*, May 11, 2021, available at <https://www.federalregister.gov/documents/2021/05/11/2021-09862/federal-aviation-administration-policy-review-of-solar-energy-system-projects-on-federally-obligated>

19. *Allco Fin. Ltd. v. Klee*, 2014 U.S. Dist. LEXIS 170674 (D. Conn. 2014), affirmed by *Allco Fin. Ltd. v. Klee*, 805 F.3d 89 (2nd Cir. 2015)

REGIONAL

20. ISO-NEW ENGLAND, INC., *Operational Fuel-Security Analysis*, January 17, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/01/20180117_operational_fuel-security_analysis.pdf
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 2023, available at <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
23. ISO-NEW ENGLAND, INC., *2021-2030 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, May 1, 2021, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
24. ISO-NEW ENGLAND, INC., *2022-2031 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, May 1, 2022, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
25. ISO-NEW ENGLAND, INC., *2021 Regional Electricity Outlook*, March 2020, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
26. ISO-NEW ENGLAND, INC., *2022 Regional Electricity Outlook*, July 2022, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
27. ISO-NEW ENGLAND, INC., *ISO New England's Internal Market Monitor 2021 Annual Markets Report*, May 26, 2022, available at <https://www.iso-ne.com/static-assets/documents/2022/05/2021-annual-markets-report.pdf>
28. 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
29. ISO-NEW ENGLAND, INC., *Final 2022 PV Forecast*, April 28, 2022, available at https://www.iso-ne.com/static-assets/documents/2022/04/final_2022_pv_forecast.pdf
30. ISO-NEW ENGLAND, INC., *Interconnection Request Queue*, available at <https://www.iso-ne.com/system-planning/transmission-planning/interconnection-request-queue>
31. ISO-NEW ENGLAND, INC., *New England's Capacity Auction Closes with Adequate Power System Resources for 2025-2026*, March 9, 2022, available at https://www.iso-ne.com/static-assets/documents/2022/03/20220309_pr_fca16_initial_results.pdf

32. ISO-NEW ENGLAND, INC., *FCA Results Filing in FERC Docket No. ER22-____-000*, March 21, 2022, available at https://www.iso-ne.com/static-assets/documents/2022/03/fca_16_results.pdf
33. ISO-NEW ENGLAND, INC., *New England's Forward Capacity Auction Closes with Adequate Power System Resources for 2026/2027*, March 10, 2023, available at https://www.iso-ne.com/static-assets/documents/2023/03/20230310_pr_fca17_initial_results_final.pdf
34. ISO-NEW ENGLAND, INC., *FCA Results Filing in FERC Docket No. ER23-____-000*, March 21, 2023, available at https://www.iso-ne.com/static-assets/documents/2023/03/fca_17_results_filing.pdf

STATE

Connecticut Siting Council

35. CONNECTICUT SITING COUNCIL, *PETITION 754 - Electric and Magnetic Field Best Management Practices for the Construction of Electric Transmission Lines in Connecticut*, December 14, 2007, revised December 30, 2022, available at https://portal.ct.gov/-/media/CSC/Publications/EMF-BMP-12-30--2022-update_final_s.pdf
36. CONNECTICUT SITING COUNCIL, *2020 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
37. CONNECTICUT SITING COUNCIL, *White Paper on the Security of Siting Energy Facilities*, October 8, 2009, available at https://portal.ct.gov/-/media/CSC/Dockets-and-Other-Pending-Proceedings/Dockets300-400/docket_346/whiteprFINAL.pdf.pdf
38. CONNECTICUT SITING COUNCIL, *2020 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
39. **DOCKET NO. 492** – Gravel Pit Solar Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a 120-megawatt-AC solar photovoltaic electric generating facility on eight parcels generally located to the east and west of the Amtrak and Connecticut Rail Line, south of Apothecaries Hall Road and north of the South Windsor town boundary in East Windsor, Connecticut and associated electrical interconnection. Record and Final Decision, available at https://portal.ct.gov/CSC/1_Applications-and-Other-Pending-Matters/Applications/3_DocketNos400s/Docket-No-492-Gravel-Pit-Solar_East-Windsor
40. **DOCKET NO. 497** – Burlington Solar One, LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a 3.5-megawatt-AC solar photovoltaic electric generating facility located at Lot 33, Prospect Street, Burlington, Connecticut and associated electrical interconnection.

Record and Final Decision, *available at* https://portal.ct.gov/CSC/1_Applications-and-Other-Pending-Matters/Applications/3_DocketNos400s/Docket-No-497---Burlington-Solar-One

41. **DOCKET NO. 505** – Haddam Quarter Solar, LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a 2.8-megawatt-AC solar photovoltaic electric generating facility located south of Haddam Quarter Road and north of Johnson Lane, Durham, Connecticut and associated electrical interconnection. Record and Final Decision, *available at* https://portal.ct.gov/CSC/1_Applications-and-Other-Pending-Matters/Applications/4_DocketNos500s/Docket-No-505

Department of Energy and Environmental Protection

42. 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*, 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>
43. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *The Connecticut Stormwater Quality Manual*, 2004, and *appendices*, *available at* http://www.ct.gov/DEP/cwp/view.asp?a=2721&q=325704&depNav_GID=1654#download
44. 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 October 10, 2013*, *available at* <https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/%7B2328E62B-7982-48A7-AF52-F3F382A821FA%7D>
45. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Connecticut Air Quality Standards*, Effective February 8, 2018, Regulations of Connecticut State Agencies §§ 22a-174-24, et seq., *available at* https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174/
46. 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/getDocument?guid=%7b60A3E155-0600-CEB3-8088-B39D9CA5974D%7d>
47. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF ENERGY AND TECHNOLOGY POLICY, *2018 Comprehensive Energy Strategy for Connecticut*, February 8, 2018, *available at* <https://portal.ct.gov/-/media/DEEP/energy/CES/2018ComprehensiveEnergyStrategy.pdf>
48. 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>

49. 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 https://portal.ct.gov/-/media/DEEP/wildlife/pdf_files/nongame/ETS15pdf.pdf
50. 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
51. 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://portal.ct.gov/-/media/DOT/finalcrossingguidelinesFeb262008highrespdf>
52. 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>
53. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, STORMWATER PROGRAM, *Stormwater Construction Filings*, available at <https://filings.deep.ct.gov/DEEPPortal/PublicSearch/SWC>
54. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, STORMWATER PROGRAM, *General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities*, available at https://portal.ct.gov/-/media/DEEP/Permits_and_Licenses/Water_Discharge_General_Permits/stormconstgppdf.pdf
55. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Coldwater Habitat Interactive Map*, available at <https://ctdeepwatermonitoring.github.io/ColdWaterHab/>

Department of Public Health

56. 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

57. 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>
58. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, *Utility Accommodation Manual*, February 2009, available at <https://portal.ct.gov/-/media/DOT/documents/dutilities/ACCOMODATIONpdf>
59. 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 <https://portal.ct.gov/-/media/DOT/documents/dutilities/UtilityPolicyProcedures.pdf>

Other State Agencies

60. 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/ORG/Conservation-and-Development-Policies-Plan/Conservation-and-Development-Policies-Plan>
61. 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
62. STATE OF CONNECTICUT, CONNECTICUT GREEN BANK, *Comprehensive Plan, Fiscal Year 2020 and Beyond*, available at https://ctgreenbank.com/wp-content/uploads/2020/07/Green-Bank_Revised-Comprehensive-Plan_062620a.pdf
63. STATE OF CONNECTICUT, DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, *State of Connecticut State Response Framework, Version 4.2*, July 2019, available at https://portal.ct.gov/-/media/DEMHS/_docs/Plans-and-Publications/EHSP0025-SRFV41pdf.pdf
64. STATE OF CONNECTICUT, 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 <https://portal.ct.gov/-/media/DEEP/climatechange/ConnecticutClimatePreparednessPlan2011pdf.pdf>

65. PUBLIC UTILITIES REGULATORY AUTHORITY, *Cybersecurity and Connecticut's Public Utilities*, April 14, 2014, available at http://www.governor.ct.gov/malloy/lib/malloy/2014.04.14_pura_cyber_report.pdf
66. PUBLIC UTILITIES REGULATORY AUTHORITY, *Connecticut Public Utilities Cybersecurity Action Plan*, April 6, 2016, available at <https://portal.ct.gov/-/media/DAS/BEST/Security-Services/Connecticut-Public-Utilities-Cybersecurity-Action-Plan-April-6-2016.pdf?la=en&hash=F56F0A9CA2B0FDDDA081E2B7113666D7>
67. PUBLIC UTILITIES REGULATORY AUTHORITY, *2022 Connecticut Public Utility Annual Cybersecurity Report*, March 31, 2023 available at <https://portal.ct.gov/-/media/PURA/electric/2022-Connecticut-Public-Utility-Annual-Cybersecurity-Report.pdf>
68. PUBLIC UTILITIES REGULATORY AUTHORITY, STATEWIDE SHARED CLEAN ENERGY FACILITY (SCEF) PROGRAM – Homepage, available at <https://portal.ct.gov/DEEP/Energy/Shared-Clean-Energy-Facilities/Shared-Clean-Energy-Facilities>
69. 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 https://portal.ct.gov/-/media/DEEP/forestry/VMTF/Final_Report/SVMTFFinalReportpdf.pdf
70. STATE OF CONNECTICUT, PUBLIC ACT No. 22-3, April 28, 2022, available at <https://www.cga.ct.gov/2022/ACT/PA/PDF/2022PA-00003-R00HB-05269-PA.PDF>
71. *Manor Development Corp. v. Conservation Comm. of Simsbury*, 180 Conn. 692, 701 (1980).
72. *Grimes v. Conservation Comm. of Litchfield*, 243 Conn. 266, 278 (1997).
73. *FairwindCT, Inc. v. Connecticut Siting Council*, 313 Conn. 669 (2014).
74. *Connecticut Energy Marketers Association v. Dept. of Energy and Environmental Protection*, 324 Conn. 362 (2016).
75. *Corcoran v. Connecticut Siting Council*, 284 Conn. 455 (2007).

TECHNICAL

76. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *National Electrical Safety Code*, American National Standards Institute, Standard C2-2023, February 1, 2023.
77. IEEE STANDARDS ASSOCIATION, *1264-2015 - IEEE Guide for Animal Deterrents for Electric Power Supply Substations*, available at <https://standards.ieee.org/findstds/standard/1264-2015.html>
78. NATIONAL FIRE PROTECTION ASSOCIATION 70: *National Electrical Code*, 2020.

79. 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>
80. 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://portal.ct.gov/-/media/CSC/1_Dockets-medialibrary/Docket_474/1_Application/4742GHCCPAApplicationVolume2pdf.pdf
81. ELECTRIC POWER RESEARCH INSTITUTE, *Electric and Magnetic Field Exposure Levels (0 to 3 GHz) in Occupational Environments near Photovoltaic Energy Generation Facilities*, November 2012, available at <https://www.epri.com/research/products/1023797>
82. NC STATE UNIVERSITY, NC CLEAN ENERGY TECHNOLOGY CENTER, *Health and Safety Impacts of Solar Photovoltaics*, May 2017, available at <https://nccleantech.ncsu.edu/wp-content/uploads/2019/10/Health-and-Safety-Impacts-of-Solar-Photovoltaics-PV.pdf>

ENVIRONMENTAL

83. RICHARD M. DEGRAAF & DEBORAH D. RUDIS, *New England Wildlife: Habitat, Natural History, and Distribution*, University of Massachusetts Press, 1983, available at https://www.fs.usda.gov/nrs/pubs/gtr/gtr_ne108.pdf
84. 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>
85. LAUREN M. COOK & RICHARD H. MCCUEN, *Hydrologic Response of Solar Farms*, *Journal of Hydrologic Engineering*, May 2013, available at <https://usesusa.org/wp-content/uploads/2020/02/Hydrologic-Response-of-Solar-Farms.pdf>
86. CHRISTOPHER BARTON AND KAREN KINKEAD, *Do Erosion Control and Snakes Mesh?*, *Journal of Science and Water Conservation* 2005, Volume 60, Number 2, available at <https://www.fs.usda.gov/research/treesearch/21050>
87. 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.mvp.usace.army.mil/Portals/57/docs/regulatory/Website%20Organization/Northcentral%20and%20Northeast%20Regional%20Supplement.pdf>
88. 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

89. UNITED STATES DEPARTMENT OF THE INTERIOR, NATIONAL PARK SERVICE, *Interactive National Heritage Areas Map*, available at <https://www.nps.gov/maps/full.html?mapId=01a03739-ab0c-40eb-bc3d-6791d3bb67fa>
90. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Natural Diversity Database Maps for the Town of Putnam*, December 2022 available at <http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp>
91. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Aquifer Protection Area Maps*, last updated December 23, 2021, available at <http://www.ct.gov/deep/cwp/view.asp?a=2685&q=322248>
92. 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/endangered_species/images/nlebmappdf.pdf?la=en
93. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Connecticut Critical Habitats Interactive Map*, available at <https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/datasets/critical-habitats/explore?location=41.654537%2C-72.831884%2C16.73>
94. 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>
95. NATIONAL AUDUBON SOCIETY, *Connecticut Important Bird Areas Interactive Map*, available at https://gis.audubon.org/portal/apps/sites/?_gl=1*jvotz7*_ga*MjEzOTE0NjgxNi4xNjcxMTM0NzA4*_ga_X2XNL2MWTT*MTY4MTI0NTQ2NC4zLjEuMTY4MTI0NTU0MS41My4wLjA.#/nas-hub-site/pages/data-review
96. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION - Connecticut Official State Maps, available at https://portal.ct.gov/DOT/PP_Bureau/Documents/Maps
97. MAIL-A-MAP STREET MAP, Putnam, available at http://mailamap.com/street_maps
98. UNITED STATES GEOLOGICAL SURVEY, National Map Viewer, available at <https://apps.nationalmap.gov/viewer/>
99. 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. Council on Environmental Quality Comments, dated March 22, 2023

D. Municipal comments

II. Appearance by Applicant

Applicant: Glenvale, LLC d/b/a Glenvale Solar (GS)

Representative: Lee D. Hoffman, Esq.
Pullman & Comley, LLC

A. Administrative Notice.

1.

B. Exhibits for Identification.

1. Application for a Certificate of Environmental Compatibility and Public Need filed by Glenvale, LLC d/b/a Glenvale Solar, received March 8, 2023, and attachments and bulk file exhibits including:

Bulk file exhibits:

- a. Town of Putnam Zoning Regulations
 - b. Town of Putnam Zoning Map
 - c. Town of Putnam Inlands, Wetlands and Watercourses Regulations
 - d. Town of Putnam Plan of Conservation and Development
2. Applicant's Responses to Council Interrogatories, Set One, dated April 25, 2023
 3. Applicant's Protective Order Relating to a Purchase and Sale Agreement, signed May 11, 2023
 4. Applicant's Sign Posting Affidavit, dated June 13, 2023

C. Swear Witnesses

1. Lisa Raffin, Project Executive, Glenvale, LLC
2. Joseph Pereira, Project Manager, Glenvale, LLC
3. Ajay Aravindan, Development Manager, Glenvale, LLC
4. Dean Gustafson, Senior Wetland Scientist and Professional Soil Scientist, All-Points Technology Corporation P.C.
5. Eric LaBatte, Civil Engineer, All-Points Technology Corporation P.C.
6. Jennifer Young Gaudet, Project Manager, All-Points Technology Corporation P.C.

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

E. Cross Examination.

1. Council
-

III. Closing by Connecticut Siting Council.