



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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Hearing Program

Petition No. 1410

Tuesday, November 10, 2020

2:00 p.m.

Zoom Remote Public Hearing

I. Opening by Council

A. Statement read by Presiding Officer.

B. Motions.

C. 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. UNITED STATES DEPARTMENT OF TRANSPORTATION, FEDERAL AVIATION ADMINISTRATION, *Obstruction Marking and Lighting, Advisory Circular AC 70/7460-1L*, December 4, 2015, as amended, available at https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70_7460-1L_.pdf
4. 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>
5. 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>
6. UNITED STATES DEPARTMENT OF THE INTERIOR, NATIONAL PARK SERVICE, *National Register of Historic Places*, July 2010, available at <https://www.nps.gov/subjects/nationalregister/index.htm>
7. 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>

8. 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>
9. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2019*, January 24, 2019, available at <https://www.eia.gov/outlooks/aeo/>
10. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Levelized Cost and Levelized Avoided Cost of New Generation Resources in Annual Energy Outlook 2019*, February 2019, available at https://www.eia.gov/outlooks/aeo/pdf/electricity_generation.pdf
11. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2020*, January 29, 2020, available at <https://www.eia.gov/outlooks/aeo/>
12. 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>
13. 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
14. 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.epa.gov/sites/production/files/2015-03/documents/best_practices_siting_solar_photovoltaic_final.pdf
15. UNITED STATES DEPARTMENT OF AGRICULTURE, *Solar Energy Use in U.S. Agriculture Overview and Policy Issues*, April 2011, available at https://www.usda.gov/oce/reports/energy/Web_SolarEnergy_combined.pdf
16. 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
17. 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
18. UNITED STATES FEDERAL AVIATION ADMINISTRATION, *Technical Guidance for Evaluating Selected Solar Technologies on Airports*, November 2010, available at https://www.faa.gov/airports/environmental/policy_guidance/media/airport-solar-guide-print.pdf

19. UNITED STATES FEDERAL AVIATION ADMINISTRATION, Interim Policy, *FAA Review of Solar Energy System Projects on Federally Obligated Airports (inclusive of Solar Glare Hazard Analysis Tool)*, October 23, 2013, available at <https://www.federalregister.gov/documents/2013/10/23/2013-24729/interim-policy-faa-review-of-solar-energy-system-projects-on-federally-obligated-airports>
20. *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

21. 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
22. ISO-NEW ENGLAND, INC., *New England's Wholesale Electricity Prices in 2017 Were the Second-Lowest Since 2003*, March 6, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/03/20180306_pr_2017prices.pdf
23. ISO-NEW ENGLAND, INC., *2019 Regional System Plan*, October 31, 2019, <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
24. ISO-NEW ENGLAND, INC., *2019 Regional System Plan Project List*, October 2019, available at <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
25. ISO-NEW ENGLAND, INC., *2019-2028 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, April 30, 2019, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
26. ISO-NEW ENGLAND, INC., *2020-2029 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, May 1, 2020, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
27. ISO-NEW ENGLAND, INC., *2019 Regional Electricity Outlook*, March 2019, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
28. ISO-NEW ENGLAND, INC., *2020 Regional Electricity Outlook*, February 2020, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
29. ISO-NEW ENGLAND, INC., *ISO New England Installed Capacity Requirement, Local Sourcing Requirements and Capacity Requirement Values for the System-Wide Capacity Demand Curve for the 2019/20 Capacity Commitment Period*, January 2016, available at https://www.iso-ne.com/static-assets/documents/2016/01/icr_values_2019_2020_report_final.pdf
30. ISO-NEW ENGLAND, INC., *The Challenge of Ensuring System Reliability Through Wholesale Markets as the Resource Mix Evolves*, November 17, 2016, available at http://www.necbc.org/content/pages/Gordon-van-Welie_ISO-NE_NECBC_11_17_2016_final.pptx.pdf

31. ISO-NEW ENGLAND, INC., *ISO New England's Internal Market Monitor 2018 Annual Markets Report*, May 23, 2019, available at <https://www.iso-ne.com/static-assets/documents/2019/05/2018-annual-markets-report.pdf>
32. ISO-NEW ENGLAND, INC., *ISO New England's Internal Market Monitor 2019 Annual Markets Report*, May 26, 2020 (revised June 9, 2020), available at <https://www.iso-ne.com/static-assets/documents/2020/05/2019-annual-markets-report.pdf>
33. 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
34. 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
35. ISO-NEW ENGLAND, INC., *Final 2019 PV Forecast*, April 29, 2019, available at <https://www.iso-ne.com/static-assets/documents/2019/04/final-2019-pv-forecast.pdf>
36. ISO-NEW ENGLAND, INC., *Final 2020 PV Forecast*, April 29, 2020, available at https://www.iso-ne.com/static-assets/documents/2020/04/final_2020_pv_forecast.pdf
37. ISO-NEW ENGLAND, INC., *Interconnection Request Queue*, available at <https://www.iso-ne.com/system-planning/transmission-planning/interconnection-request-queue>
38. ISO-NEW ENGLAND, INC., *Final Auction Results Confirm Sufficient Capacity Resources for 2022-2023*, February 28, 2019, available at https://www.iso-ne.com/static-assets/documents/2019/02/20190228_pr_fca13_final_results.pdf
39. ISO-NEW ENGLAND, INC., *FCA Results Filing in FERC Docket No. ER19-____-000*, February 28, 2019, available at https://www.iso-ne.com/static-assets/documents/2019/02/fca_13_results_filing.pdf
40. ISO-NEW ENGLAND, INC., *Final Auction Results Confirm Sufficient Capacity Resources and Historically-Low Prices for 2023-2024*, February 18, 2020, available at https://www.iso-ne.com/static-assets/documents/2020/02/20200218_pr_fca14_final_results.pdf
41. ISO-NEW ENGLAND, INC., *FCA Results Filing in FERC Docket No. ER20-____-000*, February 28, 2020, available at https://www.iso-ne.com/static-assets/documents/2020/02/fca_14_results_filing.pdf

STATE

Connecticut Siting Council

42. 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 https://www.ct.gov/csc/lib/csc/emf_bmp/revisions_updates/754bmpfinal.pdf

43. CONNECTICUT SITING COUNCIL, *2016/2017 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
44. 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/whiteppr_final.pdf
45. 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
46. **PETITION NO. 1347a** – GRE GACRUX LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 16.78-megawatt AC solar photovoltaic electric generating facility located at 117 Oil Mill Road and associated electrical interconnection to Eversource Energy's existing substation at 325 Waterford Parkway North in Waterford, Connecticut. Reopening of this petition based on changed conditions pursuant to Connecticut General Statutes §4-181a(b). Record, available at https://portal.ct.gov/CSC/3_Petitions/Petition-Nos-1341-1350/Petition-No-1347a-GRE-GACRUX

Department of Energy and Environmental Protection

47. 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/dep/cwp/view.asp?a=2720&q=325660&depNav_GID=1654
48. 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
49. 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>
50. 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/%7BD4AF4488-7FAF-4C01-855D-8421C5793BE6%7D>
51. 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/%7BAC772FCD-E1D5-4E99-A871-13C581E951F8%7D>

52. 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://www.ct.gov/deep/lib/deep/energy/ces/2018_comprehensive_energy_strategy.pdf
53. 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>
54. 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
55. 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
56. 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>

Department of Public Health

57. 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

58. 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>
59. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, *Utility Accommodation Manual*, February 2009, available at <http://www.ct.gov/dot/lib/dot/documents/dutilities/ACCOMODATION.pdf>
60. 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

61. 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>
62. Final Report of the Two Storm Panel, January 9, 2012, available at http://www.governor.ct.gov/mallo/lib/mallo/two_storm_panel_final_report.pdf
63. 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
64. 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>
65. 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 http://www.ct.gov/deep/lib/deep/climatechange/connecticut_climate_preparedness_plan_2011.pdf
66. 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
67. 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
68. PUBLIC UTILITIES REGULATORY AUTHORITY, *Docket No. 19-06-36 Application of Low and Zero Emissions Renewable Energy Credit Program – Year 9 and 10 Solicitations*, June 25, 2019, available at [http://www.dpuc.state.ct.us/dockcurr.nsf/\(Web%20Main%20View%5CAll%20Dockets\)?OpenView&Start=549](http://www.dpuc.state.ct.us/dockcurr.nsf/(Web%20Main%20View%5CAll%20Dockets)?OpenView&Start=549)
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 http://www.ct.gov/deep/lib/deep/forestry/vmtf/final_report/svmf_final_report.pdf
70. STATE OF CONNECTICUT, COUNCIL ON ENVIRONMENTAL QUALITY, *Energy Sprawl in Connecticut: Why Farmland and Forests are Being Developed for Electricity Production; Recommendations for Better Siting*, February 3, 2017, available at http://www.ct.gov/ceq/lib/ceq/Energy_Sprawl_in_Connecticut.pdf

71. STATE OF CONNECTICUT, COUNCIL ON ENVIRONMENTAL QUALITY, August 26, 2020 Meeting Minutes, available at <https://portal.ct.gov/CEQ/Meetings-and-Agendas/Minutes/2020/August-26-2020>
72. STATE OF CONNECTICUT, EXECUTIVE ORDER NO. 7B, *Protection of Public Health and Safety During COVID-19 Pandemic and Response – Further Suspension or Modification of Statutes*, March 14, 2020, available at <https://portal.ct.gov/-/media/Office-of-the-Governor/Executive-Orders/Lamont-Executive-Orders/Executive-Order-No-7B.pdf>
73. *Manor Development Corp. v. Conservation Comm. of Simsbury*, 180 Conn. 692, 701 (1980).
74. *Grimes v. Conservation Comm. of Litchfield*, 243 Conn. 266, 278 (1997).
75. *FairwindCT, Inc. v. Connecticut Siting Council*, 313 Conn. 669 (2014).
76. *Connecticut Energy Marketers Association v. Dept. of Energy and Environmental Protection*, 324 Conn. 362 (2016).
77. *Corcoran v. Connecticut Siting Council*, 284 Conn. 455 (2007).

TECHNICAL

78. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *National Electrical Safety Code*, American National Standards Institute, Standard C2-2017, October 18, 2016.
79. 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>
80. NATIONAL FIRE PROTECTION ASSOCIATION 70: *National Electrical Code*, 2017.
81. 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>
82. 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_ghccp_application_volume2.pdf

ENVIRONMENTAL

83. RICHARD M. DEGRAAF & DEBORAH D. RUDIS, *New England Wildlife: Habitat, Natural History, and Distribution*, University of Massachusetts Press, 1983, available at <http://www.treeseearch.fs.fed.us/pubs/4148>
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 [http://ascelibrary.org/doi/abs/10.1061/\(ASCE\)HE.1943-5584.0000530](http://ascelibrary.org/doi/abs/10.1061/(ASCE)HE.1943-5584.0000530)
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 <http://www.treesearch.fs.fed.us/pubs/21050>
87. UNITED STATES ARMY CORPS OF ENGINEERS, *General Permits for the State of Connecticut & Lands Located Within the Boundaries of an Indian Reservation*, Effective Date August 19, 2016, Expiration Date August 19, 2021, available at: https://www.nae.usace.army.mil/portals/74/docs/regulatory/StateGeneralPermits/CT/Connecticut_General_Permits-August_2016.pdf

MAPS

88. 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>
89. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Natural Diversity Database Maps for the Town of Stonington*, available at <http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp>
90. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Aquifer Protection Area Map for the Town of Stonington*, last updated August 26, 2019, available at <http://www.ct.gov/deep/cwp/view.asp?a=2685&q=322248>
91. 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
92. 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=a1bf59798c5b45a98aeab97dafd60b9>
93. CONNECTICUT FOREST & PARK ASSOCIATION, *CONNECTICUT WALK BOOK 20TH ED. 2017*, available at <http://www.ctwoodlands.org/connecticut-walk-book-20th-edition>
94. NATIONAL AUDUBON SOCIETY, *Connecticut Important Bird Areas*, available at <https://www.audubon.org/important-bird-areas/state/connecticut>
95. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, *Connecticut Official State Tourism Map*.
96. MAIL-A-MAP STREET MAP, Stonington available at http://mailamap.com/street_maps

97. UNITED STATES GEOLOGICAL SURVEY, Connecticut Topographic Map Collection (Ashaway Quadrangle), *available at* http://magic.lib.uconn.edu/topographic_maps.html

D. State Agency comments

E. Municipal comments

1. Town of Stonington Planning and Zoning Commission Comments, received July 2, 2020

II. Appearance by Petitioner

Petitioner: Greenskies Clean Energy, LLC (GCE)

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

A. Administrative Notice.

1. CONNECTICUT SITING COUNCIL PETITION NO. 1398 - LSE Pictor, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1.99-megawatt AC solar photovoltaic electric generating facility on an approximately 104 acre parcel located off of Platt Hill Road, Winchester, Connecticut and associated electrical interconnection. Record, *available at* https://portal.ct.gov/CSC/3_Petitions/Petition-Nos-1391-1400/Petition-No-1398-LSE-Pictor-LLC_Winchester
2. Leila Al-Hamoodah et. al. "An Exploration of Property-Value Impacts Near Utility-Scale Solar Installations," *available at* https://emp.lbl.gov/sites/default/files/property-value_impacts_near_utility-scale_solar_installations.pdf, May 2018
3. SOLAR ENERGY INDUSTRIES ASSOCIATION, "Solar and Property Value," *available at* <https://www.seia.org/research-resources/solar-and-property-value>
4. Kirkland, Richard C. "Grandy Solar Impact Study." Kirkland Appraisals, 25 Feb. 2016, *available at* <https://www.southripleysolar.com/wp-content/uploads/2020/09/Kirkland-Grandy-Solar-Impact-Study.pdf>
5. NATIONAL RENEWABLE ENERGY LABORATORY. "Top Five Large-Scale Solar Myths. State, Local, and Tribal Governments Blog," 3 Feb. 2016, *available at* <https://www.nrel.gov/state-local-tribal/blog/posts/top-five-large-scale-solar-myths.html>
6. CohnReznick, LLP, Adjacent Property Values Solar Impact Study: A Study of Eight Existing Solar Facilities, 10 Jun. 2020, *available at* <http://is0.gaslightmedia.com/cheboygancounty/ ORIGINAL /fs51-1594387599-78782.pdf>

7. CohnReznick, LLP, Adjacent Property Values Solar Impact Study: A Study of Nine Existing Solar Facilities, 30 May 2018, *available at* [https://www.oglecounty.org/document_center/planning%20&%20zoning/Solar%20Ad%20Hoc%20Committee/PV%20Impact%20Studies/CR%20-%20SunVest%20Solar%20%20Solar%20Farm%20Impact%20Study%20\(Rreport%20Date%205-30-2018\).pdf](https://www.oglecounty.org/document_center/planning%20&%20zoning/Solar%20Ad%20Hoc%20Committee/PV%20Impact%20Studies/CR%20-%20SunVest%20Solar%20%20Solar%20Farm%20Impact%20Study%20(Rreport%20Date%205-30-2018).pdf)
8. CohnReznick, LLP, Adjacent Property Values Solar Impact Study: A Study of Six Existing Solar Facilities (Working Draft), 5 May 2020, *available at* https://www.innergex.com/wp-content/uploads/2020/05/CohnReznick-Proposed-Paeahu-Solar-Property-Value-Impact-Study_Draft_May-2020.pdf
9. Lines, Andrew. "Property Impact Study: Solar Farms in Illinois." Mcleancounty.gov, Nexia International, 7 Aug. 2018, *available at* <https://www.mcleancountyil.gov/DocumentCenter/View/13192/Patricia-L-McGarr--Property-Value-Impact-Study?bidId=>

B. Exhibits for Identification.

1. Petition for a Declaratory Ruling filed by Greenskies Clean Energy, LLC, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 3.0-megawatt-AC solar photovoltaic electric generating facility on two parcels at the Elmridge Golf Course located to the east and west of North Anguilla Road at the intersection with Elmridge Road, Stonington, Connecticut, and associated electrical interconnection., received June 4, 2020, and attachments.
2. Petitioner Responses to Council Interrogatories, Set One, dated July 23, 2020
3. Petitioner Responses to Douglas Hanson Interrogatories, Set One, dated August 20, 2020
4. Sign Posting Affidavit of Michael R. Gagnon, dated September 15, 2020
5. Petitioner Responses to Council Interrogatories, Set Two, dated September 24, 2020
6. Petitioner Responses to Douglas Hanson Interrogatories, Set Two, dated September 24, 2020
7. Petitioner Responses to Proponents for Responsible Emplacement of Stonington Solar Interrogatories, dated September 24, 2020
8. Pre-filed Testimony of Gina L. Wolfman, dated September 24, 2020
9. Pre-filed Testimony of Megan B. Raymond, dated September 24, 2020
10. Pre-filed Testimony of Michael R. Gagnon, dated September 24, 2020
11. Petitioner Late-filed Exhibits and Clarifications, dated October 13, 2020
 - a) Attachment 1 - NRCS Hydrologic Soil Group Map - East and West Side
 - b) Attachment 2 - Sediment Storage Analysis
 - c) Attachment 3 - Revised Permit Drawings
 - d) Attachment 4 - Equipment Pad Calculations
 - e) Attachment 5 - TCLP Report
 - f) Attachment 6 - Canadian Solar Letter to Gina L. Wolfman, dated August 6, 2020

C. Swear Witnesses

1. Gina L. Wolfman, Senior Developer and Permitting Specialist, Greenskies Clean Energy, LLC
2. Ryan Linares, Greenskies Clean Energy, LLC
3. Jean-Paul La Marche, Greenskies Clean Energy, LLC
4. Megan B. Raymond, Principal Scientist and Manager of Wetlands and Waterways, Milone & MacBroom, Inc.
5. Michael R. Gagnon, Senior Project Specialist, Civil Engineering, MMI, Milone & MacBroom, Inc.

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

E. Cross Examination.

1. Council
2. Douglas Hanson
3. Proponents for Responsible Emplacement of Stonington Solar (PRESS)

III. Appearance by Party/CEPA Intervenor:

Douglas Hanson (Hanson)

Representatives:

Jonathan E. Friedler, Esq.
Michael S. Bonnanno, Esq.
Geraghty & Bonnanno, LLC

A. Administrative Notice.

B. Exhibits for Identification.

1. Hanson Request for Party Status, dated July 2, 2020
2. Hanson Request to Either Modify or Confirm Party Status to Include Notice of CEPA Intervention, dated August 17, 2020
3. Hanson Responses to Petitioner Interrogatories, dated September 24, 2020
4. Hanson Responses to Petitioner Supplemental Interrogatories, dated September 24, 2020
5. Pre-filed Testimony of Douglas Hanson, dated September 24, 2020
6. Pre-filed Testimony of David F. Tusia, Sr., dated September 24, 2020
7. Hanson Supplemental Exhibits, dated October 20, 2020
 - a. Reference Photograph
 - b. Deck View Photograph
 - c. Deck View QuickTime Movie View
 - d. Downstairs Window View
 - e. Downstairs Window QuickTime Movie View
 - f. Upstairs Window View
 - g. Upstairs Window QuickTime Movie View

C. Swear Witnesses

1. Douglas Hanson

2. David F. Tusia, Sr., Ion Imaging

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

E. Cross Examination.

1. Council
2. Petitioner
3. PRESS

IV. Appearance by Party/CEPA Intervenor:

Proponents for Responsible
Emplacement of Stonington Solar, Inc.
(PRESS)

Representative:

Emily A. Gianquinto, Esq.
EAG Law, LLC

A. Administrative Notice.

1. COUNCIL ON ENVIRONMENTAL QUALITY (CEQ). December 4, 2015. Digging Connecticut...while Protecting Its Waters and History: Recommendations for Reducing Impacts of Earthmoving (discussion draft), *available at*: <https://portal.ct.gov/-/media/CEQ/Stormwater-and-Earthmoving-Report---Discussion-Draft-12-02-15.pdf>
2. CEQ. 2016. Minutes of the Jan. 27, 2016 meeting, *available at*: <https://portal.ct.gov/CEQ/Meetings-and-Agendas/Minutes/January-27-2016-Minutes>
3. CEQ. 2020. 2019 CEQ Annual report, *available at*: <https://portal.ct.gov/-/media/CEQ/CEQ-Annual-Report-2019-Final.pdf?la=en>.
4. CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CT DEEP). General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, *available at*: <https://portal.ct.gov/DEEP/Water-Regulating-and-Discharges/Stormwater/Construction-Stormwater-GP>
5. CT DEEP. Proposed Reissuance with Modifications of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (GP), *available at*: <https://portal.ct.gov/DEEP/Water-Regulating-and-Discharges/Stormwater/Construction-Stormwater-GP>
6. CT DEEP. 2020. Construction Stormwater Permitting: Rain Happens! Presentation by DEEP Stormwater Section, Jan. 8, 2020, *available at*: <https://www.cbia.com/wp-content/uploads/2020/01/CBIA-CTDEEP-stormwater.pdf>
7. INSTITUTE FOR ENERGY RESEARCH (IER). 2016. The Levelized Cost of Electricity from Existing Energy Sources, *available at*: https://www.instituteforenergyresearch.org/wp-content/uploads/2016/07/IER_LCOE_2016-2.pdf

8. IER. 2017. Will Solar Power Be at Fault for the Next Environmental Crisis? *available at:* <https://www.instituteforenergyresearch.org/uncategorized/will-solar-power-fault-next-environmental-crisis/#:~:text=Regardless%2C%20the%20waste%20disposal%20issues%20regarding%20solar%20panels%20are%20enormous.&text=Further%2C%20while%20nuclear%20units%20can,in%20the%20next%20few%20decades>
9. Minnesota Stormwater Manual, Stormwater management for solar projects and determining compliance with the NPDES construction stormwater permit, *available at:* https://stormwater.pca.state.mn.us/index.php?title=Stormwater_management_for_solar_projects_and_determining_compliance_with_the_NPDES_construction_stormwater_permit
10. Petition by Town of New Milford for Declaratory Ruling in the Matter of Candlewood Solar, LLC (directed to DEEP). Feb. 2020, *available at:* <https://www.crameranderson.com/wp-content/uploads/2020/03/2.27.20-Final-Petition-for-Declaratory-Ruling.pdf>
11. Prume, K., J. Viehweg et al. 2018. Guideline. Assessing Fire Safety Risks in Photovoltaic Systems and Developing Safety Concepts for Risk Minimization. (Translated from the German Second Ed. of July 2015), *available at:* https://www.energy.gov/sites/prod/files/2018/10/f56/PV%20Fire%20Safety%20Fire%20Guideline_Translation_V04%2020180614_FINAL.pdf
12. Robinson, S.A., and G.A. Meindl. 2019. Potential for leaching of heavy metals and metalloids from crystalline silicon photovoltaic systems. J. Nat. Res. Dev. 2019, 09:19-24, *available at:* <https://www.jnrd.info/2019/05/10-5027-jnrd-v9i0-02/>
13. Schauffler, M. Siting Solar Projects: The Right Power in the Right Place. Saving Land Fall 2019:14-17, *available at:* <https://www.landtrustalliance.org/news/harnessing-power-sun#:~:text=Siting%20Solar%20Projects%3A%20The%20Right%20Power%20in%20the%20Right%20Place&text=Drawing%20on%20their%20ecological%20expertise,wetlands%20and%20productive%20agricultural%20areas>
14. STATE OF CONNECTICUT V. WOODS HILL SOLAR, LLC ET AL., Consent Order #COWRSW18003, dated Nov. 27, 2018.
15. TOWN OF EAST LYME INLAND WETLANDS AGENCY. Corrected letter to GRE re: Vote to Continue Cease, Desist and Restore Order issued to GRE. June 11, 2015.
16. TOWN OF EAST LYME INLAND WETLANDS AGENCY. Revised Cease, Desist and Correct Restore issued to GRE re: Antares solar field. Apr. 7, 2014.
17. TOWN OF NEW MILFORD V. CONNECTICUT SITING COUNCIL ET AL., Docket No. HHB-CV-19-6053213-S. Record, *available at:* <http://civilinquiry.jud.ct.gov/CaseDetail/PublicCaseDetail.aspx?DocketNo=HHBCV196053213S>
18. TOWN OF STONINGTON, Zoning Regulations (Feb. 1, 2018). Available at: https://www.stonington-ct.gov/sites/g/files/vyhlif3851/f/file/file/zr_e26_2_1_18.pdf

19. TOWN OF STONINGTON, Zoning Map Atlas (Sept, 19, 2017), *available at*:
https://www.stonington-ct.gov/sites/g/files/vyhlif3851/f/file/file/zoning_map_atlas_2017.pdf
20. TOWN OF STONINGTON, Groundwater Protection Overlay District (GPOD) & Aquifer Protection Area (APA), *available at*: https://www.stonington-ct.gov/sites/g/files/vyhlif3851/f/file/file/zoning_map_atlas_2017_gppod.pdf
21. TOWN OF STONINGTON, Open Space plan (August 2007), *available at*:
https://www.stonington-ct.gov/sites/g/files/vyhlif3851/f/file/file/open_space_plan.pdf
22. TOWN OF STONINGTON, Plan of Conservation and Development (May 7, 2015), *available at*: https://www.stonington-ct.gov/sites/g/files/vyhlif3851/f/file/file/2015_pocd_final_version.pdf
23. U.S. ENVIRONMENTAL PROTECTION AGENCY & NATIONAL RENEWABLE ENERGY LABORATORY, Screening Sites for Solar PV Potential, *available at*:
www.epa.gov/sites/production/files/2015-04/documents/solar_decision_tree.pdf
24. STONINGTON LAND TRUST, Anguilla Grande Preserve. Available at:
<https://www.stoningtonlandtrust.org/anguillagrande-preserve>
25. AVALONIA LAND CONSERVANCY, Perry Natural Area, *available at*:
<https://avalonia.org/preserves/perry-natural-area/>
26. EASTERN CONNECTICUT CONSERVATION DISTRICT, Anguilla Brook Bacteria Trackdown & Watershed-Based Plan, Bacteria Monitoring Report (Jan. 28, 2020), *available at*:
https://conservect.org/eastern/wp-content/uploads/2020/02/17-04-Anguilla-Brook-WBP-Bacteria-Sampling-Report_final_w_attachments.pdf
27. EASTERN CONNECTICUT CONSERVATION DISTRICT, Anguilla Brook Bacteria Trackdown & Watershed-Based Plan, Watershed Streamwalk Report (Jan. 28, 2020), *available at*:
<https://conservect.org/eastern/wp-content/uploads/2020/02/17-04-Anguilla-Brook-WBP-Streamwalk-Report-w-attachments.pdf>
28. CT DEEP, Aquifer Protection Area Program. *available at*:
<https://portal.ct.gov/DEEP/Aquifer-Protection-and-Groundwater/Aquifer-Protection/Aquifer-Protection-Program>
29. Connecticut State Fire Prevention Code §§ 11.12.3, 11.12.3.2, 11.12.3.3, *available at*
https://portal.ct.gov/-/media/CSC/3_Petitions-medialibrary/Petitions_MediaLibrary/MediaPetitionNos1301-1400/PE1347A/SavetheRiverSavetheHills/pe1347a-20200825-STRSTHadminnotice-firecode.pdf
30. Kuffner, A. Study: Solar projects driving down home values in R.I suburbs. Providence Journal, Sept. 30, 2020, *available at*: <https://www.providencejournal.com/news/20200930/study-solar-projects-driving-down-home-values-in-ri-suburbs>
31. Gaur, Vasundhara and Corey Lang. Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island. Sept. 29, 2020, *available at*:
<https://web.uri.edu/coopext/files/PropertyValueImpactsOfSolar.pdf>

B. Exhibits for Identification.

1. PRESS Request for Party Status and Notice of CEPA Intervention and Request for Public Hearing, dated July 31, 2020
2. PRESS Responses to Petitioner Interrogatories, dated September 24, 2020
3. Pre-filed Testimony of Mary Ann Canning McComiskey, dated September 24, 2020
4. Pre-filed Testimony of Rhandi Lee, dated September 24, 2020
 - a) Rhandi Lee Correspondence to the Council, dated June 29, 2020
 - b) Rhandi Lee Map of Wells Near Elmridge Correspondence, dated July 22, 2020
5. Pre-filed Testimony of Steven D. Trinkaus, dated September 24, 2020
6. Supplemental Pre-filed Testimony of Steven D. Trinkaus, dated September 29, 2020

C. Swear Witnesses

1. Mary Ann Canning McComiskey
2. Rhandi Lee
3. Steven D. Trinkaus

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

E. Cross Examination.

1. Council
2. Petitioner
3. Douglas Hanson

V. Closing by Connecticut Siting Council.