



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Hearing Program

Petition No. 1354

Thursday, February 21, 2019

3:00 p.m. and 6:30 p.m.

Killingworth Fire Station

Meeting Room

333 Route 81

Killingworth, CT 06419

I. Opening by Council

A. Statement read by Chair.

B. Comments by Public Official(s) (if any)

C. Motions (if any)

1. Killingworth Advocates for Responsible Solar (KARS) Request for Party Status, dated February 14, 2019

D. 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](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](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*, 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: Energy Transmission, Storage, and Distribution Infrastructure*, April 2015, available at <https://www.energy.gov/policy/downloads/quadrennial-energy-review-first-installment>
9. 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>
10. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2018*, February 6, 2018, available at <https://www.eia.gov/outlooks/aeo/>
11. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Levelized Cost and Levelized Avoided Cost of New Generation Resources in Annual Energy Outlook 2018*, March 2018, available at https://www.eia.gov/outlooks/aeo/pdf/electricity_generation.pdf
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. NATIONAL RENEWABLE ENERGY LABORATORY, NREL CONDUIT BLOG, *Research and Analysis Demonstrate the Lack of Impacts of Glare from Photovoltaic Modules*, July 31, 2018, available at <https://www.nrel.gov/state-local-tribal/blog/posts/research-and-analysis-demonstrate-the-lack-of-impacts-of-glare-from-photovoltaic-modules.html>
21. UNITED STATES DEPARTMENT OF ENERGY, *Solar PV and Glare Factsheet*, June 2014, available at <https://www.energy.gov/eere/solar/downloads/solar-pv-and-glare-factsheet>
22. *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

23. 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
24. 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
25. ISO-NEW ENGLAND, INC., *Finalized Results Confirm 12th Capacity Auction Procured Sufficient Resources for 2021-2022*, February 28, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/02/20180228_pr_fca12_final_results.pdf
26. ISO-NEW ENGLAND, INC., *2015 Regional System Plan*, November 5, 2015, <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
27. ISO-NEW ENGLAND, INC., *2017 Regional System Plan*, November 2, 2017, <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
28. ISO-NEW ENGLAND, INC., *2018 Regional System Plan Project List*, October 2018, available at <http://www.iso-ne.com/system-planning/system-plans-studies/rsp>
29. ISO-NEW ENGLAND, INC., *2017-2026 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, May 1, 2017, available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
30. ISO-NEW ENGLAND, INC., *2018-2027 Forecast Report of Capacity, Energy, Loads & Transmission (CELT)*, May 1, 2018 (revised May 9, 2018), available at <https://www.iso-ne.com/system-planning/system-plans-studies/celt>
31. ISO-NEW ENGLAND, INC., *2017 Regional Electricity Outlook*, January 2017, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
32. ISO-NEW ENGLAND, INC., *2018 Regional Electricity Outlook*, January 2018, available at <https://www.iso-ne.com/about/regional-electricity-outlook/>
33. 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
34. 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
 35. ISO-NEW ENGLAND, INC., *ISO New England's Internal Market Monitor 2015 Annual Markets Report*, May 25, 2016, available at https://www.iso-ne.com/static-assets/documents/2016/05/2015_imm_amr_final_5_25_2016.pdf
 36. ISO-NEW ENGLAND, INC., *ISO New England's Internal Market Monitor 2017 Annual Markets Report*, May 17, 2018, available at <https://www.iso-ne.com/static-assets/documents/2018/05/2017-annual-markets-report.pdf>
 37. ISO-NEW ENGLAND, INC., *State of the Grid: 2017, Presentation by Gordon van Welie*, January 30, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/01/20170130_stateofgrid2017_presentation_pr.pdf
 38. ISO-NEW ENGLAND, INC., *State of the Grid: 2018, Presentation by Gordon van Welie*, February 27, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/02/02272018_pr_presentation_state-of-the-grid_2018.pdf
 39. ISO-NEW ENGLAND, INC., *Final 2017 PV Forecast*, May 1, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/05/2017_solar_forecast_details_final.pdf
 40. ISO-NEW ENGLAND, INC., *Final 2018 PV Forecast*, May 1, 2018, available at <https://www.iso-ne.com/static-assets/documents/2018/04/final-2018-pv-forecast.pdf>
 41. ISO-NEW ENGLAND, INC., *Interconnection Request Queue*, available at <https://www.iso-ne.com/system-planning/transmission-planning/interconnection-request-queue>
 42. ISO-NEW ENGLAND, INC., *Press Release Auction Acquires Power System Resources Needed for 2020-2021 at a Lower Price*, February 9, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/02/20170209_FCA11_initial_pr.pdf
 43. ISO-NEW ENGLAND, INC., *FCA Results Filing in FERC Docket No. ER17-1073-000*, February 28, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/02/fca_11_results.pdf
 44. ISO-NEW ENGLAND, INC., *Finalized Results Confirm 12th Capacity Auction Procured Sufficient Resources for 2021-2022*, February 28, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/02/20180228_pr_fca12_final_results.pdf
 45. ISO-NEW ENGLAND, INC., *FCA Results Filing in FERC Docket No. ER18-940-000*, February 28, 2018, available at https://www.iso-ne.com/static-assets/documents/2018/02/fca_12_results_filing.pdf

STATE

Connecticut Siting Council

46. 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
47. 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
48. 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
49. 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
50. 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
51. 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
52. CONNECTICUT SITING COUNCIL, *Written Testimony in Reference to Raised Bill No. 943, An Act Concerning the Installation of Certain Solar Facilities on Productive Farmlands*, March 6, 2017, available at <https://www.cga.ct.gov/2017/ENVdata/Tmy/2017SB-00943-R000306-Stein,%20Robin,%20,%20Chairman-Connecticut%20Siting%20Council-TMY.PDF>
53. CONNECTICUT SITING COUNCIL, *Written Testimony in Reference to Raised Bill No. 412, An Act Restricting the Use of Incentives for the Development of Solar Arrays on Agricultural Land*, February 7, 2017, available at <https://www.cga.ct.gov/2017/ETdata/Tmy/2017SB-00412-R000207-Stein,%20Robin,%20Chairman-Connecticut%20Siting%20Council-TMY.PDF>
54. **PETITION NO. 1312** - Candlewood Solar LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a 20 megawatt AC (26.5 megawatt DC) solar photovoltaic electric generating facility located on a 163 acre parcel at 197 Candlewood Mountain Road and associated electrical interconnection to Eversource Energy's Rocky River Substation on Kent Road in New Milford, Connecticut. Record and Final Decision, available at <https://www.ct.gov/csc/cwp/view.asp?a=2397&Q=594294&PM=1>
55. **PETITION NO. 1313** – DWW Solar II, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a 26.4 megawatt AC solar photovoltaic electric generating facility on approximately 289 acres comprised of 5 separate and abutting privately-owned parcels located generally west of Hopmeadow Street (US 202/CT 10), north and south of Hoskins Road, and north and east of County Road and associated electrical interconnection to Eversource Energy's North Simsbury Substation west of Hopmeadow Street in Simsbury, Connecticut. Record and Final Decision, available at <https://www.ct.gov/csc/cwp/view.asp?a=2397&Q=594352&PM=1>

56. **PETITION NO. 1337** - The Connecticut Light and Power Company d/b/a Eversource Energy declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed Stepstone to Green Hill Substation Upgrade Project that includes replacement of approximately 5.6 miles of its existing No. 1508 115-kilovolt (kV) electric transmission line structures within existing Eversource electric transmission line right of way between Stepstone Substation located at 50 Stepstone Road, Guilford, Connecticut and Green Hill Substation located at 775 Green Hill Road, Madison, Connecticut, and related electric transmission line structure improvements. Record and Final Decision, available at <https://www.ct.gov/csc/cwp/view.asp?a=958&Q=247756>

Department of Energy and Environmental Protection

57. 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
58. 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
59. 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>
60. 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>
61. 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>
62. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF ENERGY AND TECHNOLOGY POLICY, *2013 Comprehensive Energy Strategy for Connecticut*, February 19, 2013, available at http://www.ct.gov/deep/lib/deep/energy/cep/2013_ces_final.pdf
63. 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
64. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF ENERGY AND TECHNOLOGY POLICY, *2012 Integrated Resource Plan for Connecticut*, June 14, 2012, available at [http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/cb827b1ffa58b2fd85257a1d0060c374/\\$FILE/2012%20Integrated%20Resource%20Plan.pdf](http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/cb827b1ffa58b2fd85257a1d0060c374/$FILE/2012%20Integrated%20Resource%20Plan.pdf)

65. 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>
66. 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
67. 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

Department of Public Health

68. 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

69. 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>
70. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, *Utility Accommodation Manual*, February 2009, available at <http://www.ct.gov/dot/lib/dot/documents/dutilities/ACCOMODATION.pdf>
71. 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

72. STATE OF CONNECTICUT, OFFICE OF POLICY AND MANAGEMENT, *Conservation and Development Policies Plan for Connecticut 2013-2018*, June 5, 2013, available at [https://www.ct.gov/opm/lib/opm/igp/org/cdupdate/2013-2018_final_cd_plan_\(rev._june_2017\).pdf](https://www.ct.gov/opm/lib/opm/igp/org/cdupdate/2013-2018_final_cd_plan_(rev._june_2017).pdf)
73. 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
74. STATE OF CONNECTICUT, CONNECTICUT GREEN BANK, *Comprehensive Plan, Fiscal Year 2017 through Fiscal Year 2019*, available at https://www.ctgreenbank.com/wp-content/uploads/2018/08/Comp-Plan_FY17-FY19_Final_072718.pdf
75. 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>
76. 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

77. 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
78. 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
79. 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
80. 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
81. *Red Hill Coalition, Inc. v. Town Plan & Zoning Comm.*, 212 Conn. 727 (1989).
82. *Paige v. Town Plan & Zoning Comm.*, 235 Conn. 448 (1995).
83. *FairwindCT, Inc. v. Connecticut Siting Council*, 313 Conn. 669 (2014).
84. *Corcoran v. Connecticut Siting Council*, 284 Conn. 455 (2007).

TECHNICAL

85. NATIONAL FIRE PROTECTION ASSOCIATION 70: *National Electrical Code*, 2017.
86. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *National Electrical Safety Code*, American National Standards Institute, Standard C2-2017, October 18, 2016.
87. 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>
88. 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

89. 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>
90. ARAM J.K. CALHOUN & MICHAEL W. KLEMENS, *Best Development Practices: Conserving Pool-Breeding Amphibians in Residential and Commercial Developments in the Northeastern United States*, MCA Technical Paper No. 5, Metropolitan Conservation Alliance 2002, available at

<https://www.nae.usace.army.mil/Portals/74/docs/regulatory/VernalPools/BestDevelopmentPractices20Oct2014.pdf>

91. 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)
92. 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>

MAPS

93. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Natural Diversity Database Map for the Town of Killingworth*, December 2018, available at <http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp>
94. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Aquifer Protection Area Map for the State of Connecticut*, available at <https://www.ct.gov/deep/cwp/view.asp?a=2685&q=322248>
95. 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 February 1, 2016, available at http://www.ct.gov/deep/lib/deep/endangered_species/images/nleb_approved2_16.pdf
96. 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>
97. CONNECTICUT FOREST & PARK ASSOCIATION, *CONNECTICUT WALK BOOK 20TH ED. 2017*, available at <http://www.ctwoodlands.org/connecticut-walk-book-20th-edition>
98. NATIONAL AUDUBON SOCIETY, *Connecticut Important Bird Areas*, available at <https://www.audubon.org/important-bird-areas/state/connecticut>
99. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, *Connecticut Official State Tourism Map*.
100. MAIL-A-MAP STREET MAP, Killingworth, available at http://mailamap.com/street_maps
101. UNITED STATES GEOLOGICAL SURVEY, *Connecticut Topographic Map Collection, Clinton Quadrangle 2018*, available at <https://viewer.nationalmap.gov/advanced-viewer/>
102. Town of Killingworth Plan of Conservation and Development, 2018-2028, effective September 1, 2018

E. State Agency comments

1. Department of Energy and Environmental Protection Comments, dated December 17, 2018
2. Department of Transportation Comments, dated February 5, 2019

F. Municipal comments

1. First Selectman Iino's Comments, dated September 12, 2018
 2. Town of Killingworth Fire Marshall's Office Comments, dated January 2, 2019
 3. Killingworth Fire Chief Richard Bauer's Comments, dated January 27, 2019
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II. Appearance by Petitioner

Petitioner: Chatfield Solar, Fund LLC

Representative(s): Bruce L. McDermott, Esq.
Murtha Cullina LLP

A. Administrative Notice.

1. NFPA 1 First Draft Technical Committee FINAL Ballot Results, dated March 4, 2016
2. **PETITION NO. 1339** – Wallingford Renewable Energy LLC declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 19.99 MW AC ground-mounted solar photovoltaic electric generating facility located on approximately 158 acres of 3 contiguous parcels consisting of the former Wallingford Landfill and 2 parcels owned by the Materials Innovation and Recycling Authority west of Pent Road and associated electrical interconnection to Wallingford Electric Division's Wallingford Substation in Wallingford, Connecticut. Record and Final Decision, *available at* <https://www.ct.gov/csc/cwp/view.asp?a=2397&Q=600116&PM=1>

B. Exhibits for Identification.

1. Petition for a Declaratory filed by Chatfield Solar Fund, LLC, received October 23, 2018
2. Petitioner's Responses to Council Interrogatories, Set One, dated December 19, 2018
3. Petitioner's Responses to Council Interrogatory Nos. 69 and 70, dated January 2, 2019
4. Petitioner's Letter Regarding Request to PURA for Extension of ZREC Contract, dated January 30, 2019
5. Petitioner's Revised Responses to Council Interrogatory Nos. 17, 18, 53 and 67, dated February 6, 2019
6. Petitioner's Responses to Council Interrogatories, Set Two, dated February 6, 2019
7. Petitioner's Sign Posting Affidavit, dated February 13, 2019
8. Petitioner's Video Walkthrough of the site, dated February 13, 2019
9. Petitioner's Witness Resumes, dated February 14, 2019
 - a. Alisa C. Morrison, P.E., PhD
 - b. James M. McManus, MS, CPSS
 - c. George T. Logan, MS, PWS, CSE
 - d. Sigrun Gadwa, MS, PWS
10. DEEP NDDDB Correspondence to Petitioner, dated February 19, 2019

C. Swear Witnesses

1. Charles Geppi, Senior Project Manager, Standard Solar Inc.
2. C.J. Colavito, REP, VP of Engineering, Standard Solar Inc.
3. Eric D. Partyka, Director of Business Development, Standard Solar, Inc.
4. Brandon Stephens, Project Manager, Standard Solar Inc.
5. Jobin Michael, PE, Engineering Manager, Standard Solar Inc.

6. Alisa Morrison, PE, PhD, Technical Associate, Loureiro Engineering Associates, Inc.
7. James McManus, MS, CPSS, JMM Wetland Consulting Services, LLC
8. George T. Logan, MS, PWS, CSE, REMA Ecological Services, LLC

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

E. Cross Examination.

1. Council
2. KARS (if party status is granted)

III. Appearance by Party: Killingworth Advocates for Responsible Solar (KARS)

Representative: Lorinne Kovachi-Sekban

A. Administrative Notice.

1.

B. Exhibits for Identification.

1. KARS Request for Party Status, dated February 14, 2019
2. KARS Pre-Filed Testimony with attached maps, dated February 14, 2019

C. Swear Witnesses

1.

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

E. Cross Examination.

1. Council
2. Petitioner

IV. Continuation by Connecticut Siting Council.