



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

www.ct.gov/csc

VIA ELECTRONIC MAIL

April 5, 2018

TO: Parties and Intervenors

FROM: Melanie Bachman, Executive Director *MAB*

RE: **DOCKET NO. 482** - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility on town-owned property behind Lyman Memorial High School located at 917 Exeter Road, Lebanon, Connecticut.

The Connecticut Siting Council (Council) will hold a pre-hearing teleconference on procedural matters on Wednesday, April 11, 2018, beginning at 11:00 a.m. All parties and intervenors are requested to participate. The purpose of this pre-hearing conference is to expedite the hearing procedure without sacrificing an informative record necessary for the Council to render a decision.

Call number: 866-917-7557 Passcode: 9148525

At the conference, parties and intervenors will be encouraged to discuss requirements for pre-filed testimony, exhibit lists, administrative notice lists, expected witness lists, and the filing of pre-hearing interrogatories. To save the time and expense of the public, the Council does not allow direct testimony at the public hearing.

Each party and intervenor is requested to provide all other parties and intervenors that participate in the teleconference a list of witnesses and the subjects their pre-filed testimony will address, a list of documents to be administratively noticed, and copies of any available exhibits to be offered at the hearing. The pre-hearing conference will also address the grouping of parties and intervenors and the order of presentations at the hearing.

MB/RDM/lm

Connecticut Siting Council
Pre-hearing Conference: Procedure for Hearing of May 1, 2018

DOCKET NO. 482 - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility on town-owned property behind Lyman Memorial High School located at 917 Exeter Road, Lebanon, Connecticut.

Pre-hearing Procedure

1. On or before April 17, 2018, all parties and intervenors are requested to exchange pre-hearing interrogatories with all other parties and intervenors.
2. On or before April 24, 2018, all parties and intervenors are requested to file responses to pre-hearing interrogatories and exchange pre-filed testimony, exhibits, witness lists, and items to be noticed administratively with the Council and all other parties and intervenors. To save the time and expense of parties, intervenors, and the public, all parties and intervenors are encouraged to resolve discrepancies of these items before the hearing.
3. Any person seeking to be admitted as a party or intervenor to the proceeding is requested to file a written petition with the Council on or before April 24, 2018.
4. All filings are to be in accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies. The Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators.
5. Pursuant to Section 16-50j-21 of the Regulations of Connecticut State Agencies, at least ten business days prior to the public hearing, the applicant shall erect and maintain, in a legible condition, a sign not less than six feet by four feet at the entrance to the property from a public road where the proposed facility is to be located. The sign shall set forth the name of the applicant, the type of facility, the public hearing date, and contact information for the Council (Web site and phone number).
6. Enclosed is a list of items the Council wishes to notice administratively. Objections to any item on the list should be sent to the Council before the hearing.

Hearing Procedure

7. A public field review of the proposed site will be held on Tuesday, May 1, 2018, beginning at 2:00 p.m. The applicant will fly a balloon between the hours of 8:00 a.m. and 6:00 p.m. at the proposed site, weather permitting, during the field review.
8. The 3:00 p.m., May 1, 2018, evidentiary session will provide the applicant, parties, and intervenors an opportunity to introduce exhibits and witnesses, and cross-examine positions. The applicant will be allowed to present its exhibits and witness panel, and then be subject to cross-examination by the Council and all parties and intervenors. All parties and intervenors will then be allowed to introduce their exhibits and witness panels, and be subject to cross-examination by the Council, the applicant and all other parties and intervenors.
9. All participants are requested to place nameplates on the table in front of each witness at the hearing.
10. The order of appearances and cross-examination will be governed by a hearing program developed by the Council for the proceeding. The Council may issue a draft version of the hearing program to parties and intervenors prior to the hearing.
11. The 6:30 p.m. public comment session on May 1, 2018, will be reserved for the public to make brief statements into the record. The Council requests that the applicant conduct a brief presentation prior to public comment, using 24-inch by 36-inch diagrams depicting site features, including a map showing abutting properties or other form of presentation such as a video or PowerPoint. The diagrams or other form of presentation must be from materials already submitted into the record.
12. If time remains after the 6:30 p.m. public comment session, the applicant, parties, and intervenors may continue their appearances and cross-examination that began during the 3:00 p.m. evidentiary session.
13. The Council will provide public officials who have not been granted party or intervenor status an opportunity to make a statement.
14. The Council may, at its discretion, group parties and intervenors with the same interests.
15. Individuals will be encouraged to participate through their elected officials and other party or intervenor groupings.
16. Pursuant to Section 16-50j-15b of the Regulations of Connecticut State Agencies, any party or intervenor, including those that are members of non-profit corporations or citizens groups, that have attained party or intervenor status in the proceeding are deemed to be represented in the proceeding and may not submit oral or written statements into the record.
17. All participants will be encouraged to be brief, concise, non-repetitious, and courteous of all other participants.

Post-hearing procedure

18. A verbatim transcript of the hearing session will be made and deposited with the Lebanon Town Clerk's Office, Lebanon, Connecticut for the convenience of the public.
19. Parties and intervenors will be allowed to submit briefs and proposed findings of fact within 30 days after the close of the hearing.
20. Members of the public will be allowed to submit written statements into the record within 30 days after the close of the hearing.
21. Deadlines for briefs, proposed findings of fact, and written statements will be final and no extensions will be granted.

Administrative Notice List
Docket No. 482

FEDERAL

1. OFFICE OF ENGINEERING AND TECHNOLOGY, FEDERAL COMMUNICATIONS COMMISSION, QUESTIONS AND ANSWERS ABOUT BIOLOGICAL EFFECTS AND POTENTIAL HAZARDS OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS, OET BULLETIN NO. 56 (August 1999), *available at* http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet56/oet56e4.pdf
2. OFFICE OF ENGINEERING AND TECHNOLOGY, FEDERAL COMMUNICATIONS COMMISSION, EVALUATING COMPLIANCE WITH FCC-GUIDELINES FOR HUMAN EXPOSURE TO RADIOFREQUENCY ELECTROMAGNETIC FIELDS, OET BULLETIN NO. 65 (August 1997), *available at* http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet65/oet65.pdf
3. Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation, Federal Communications Commission's Report and Order, 62 Fed. Reg. 3232 (September 12, 1997), *available at* <http://www.epa.gov/fedtrgstr/EPA-AIR/1997/January/Day-22/ga1350.htm>
4. Telecommunications Act of 1996, as amended, Pub. L. No. 104-104, 110 Stat. 56 (codified as amended in scattered sections of 47 U.S.C), *available at* <https://transition.fcc.gov/Reports/tcom1996.pdf>
5. FEDERAL COMMUNICATIONS COMMISSION, WARNING, ALERT AND RESPONSE NETWORK ACT, Pub. L. No. 109-437, 120 Stat. 1936 (2006), (codified at 47 U.S.C. §332(d)(1)) (2006), *available at* <http://transition.fcc.gov/pshs/docs/emergency-information/cmas-warn-act.pdf>
6. Wireless Communications and Public Safety Act of 1999, as amended, 47 U.S.C. §§ 615-615b (2010).
7. Enhance 911 Act of 2004, as amended, 47 U.S.C. § 942 (2010).
8. Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, §6409 Wireless Facilities Deployment (2012), *available at* <http://www.gpo.gov/fdsys/pkg/PLAW-112publ96/pdf/PLAW-112publ96.pdf>
9. Actions That May Have a Significant Environmental Effect, for Which Environmental Assessments (EAs) Must be Prepared, 47 C.F.R. § 1.1307 (2010).
10. Radiofrequency Radiation Exposure Limits, 47 C.F.R. § 1.1310 (2010).
11. Presidential Proclamation No. 8460, 74 Fed. Reg. 234 (December 8, 2009), *available at* <http://www.presidency.ucsb.edu/ws/index.php?pid=86954>
12. Presidential Order No. 13616, Accelerating Broadband Infrastructure Development, 77 Fed. Reg. 119 (June 14, 2012), *available at* <http://www.gpo.gov/fdsys/pkg/FR-2012-06-20/pdf/2012-15183.pdf>
13. DIVISION OF MIGRATORY BIRD MANAGEMENT, UNITED STATES FISH & WILDLIFE SERVICE, UNITED STATES DEPARTMENT OF THE INTERIOR, *Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance and Decommissioning* (last updated August 2016), *available at* <https://www.fws.gov/migratorybirds/pdf/management/usfwscommtowerguidance.pdf>
14. National Park Service, United States Department of the Interior, *National Register of Historic Places* *available at* <https://www.nps.gov/nr/research/index.htm>

15. FEDERAL AVIATION ADMINISTRATION, UNITED STATES DEPARTMENT OF TRANSPORTATION, OBSTRUCTION MARKING AND LIGHTING, ADVISORY CIRCULAR AC NO. 70/7460-1L (December 4, 2015), *available at* [https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70_7460-1L .pdf](https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70_7460-1L.pdf)
16. FEDERAL AVIATION ADMINISTRATION, UNITED STATES DEPARTMENT OF TRANSPORTATION, SPECIFICATION FOR OBSTRUCTION LIGHTING EQUIPMENT, ADVISORY CIRCULAR AC NO. 150/5345-43H (September 28, 2016) *available at* https://www.faa.gov/documentLibrary/media/Advisory_Circular/150-5345-43GH.pdf
17. FEDERAL COMMUNICATIONS COMMISSION, Opportunities to Reduce Bird Collisions with Communications Towers While Reducing Tower Lighting Costs (January 6, 2017) *available at* <https://www.fws.gov/migratorybirds/pdf/management/fccopportunitiestoreducebirdcollisions.pdf>
18. Stephen J. Blumberg, et al, *Wireless Substitution: Early Release of Estimates from the National Health Interview Survey, January – June 2010*, Division of Health Interview Statistics, National Center for Health Statistics, U.S. Center of Disease Control, December 21, 2010, *available at* <http://www.cdc.gov/nchs/data/nhis/earlyrelease/wireless201012.pdf>
19. FEDERAL COMMUNICATIONS COMMISSION, Public Notice – Wireless Telecommunications Bureau Offers Guidance on Interpretation of Section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012, DA 12-2407, January 25, 2013, *available at* https://apps.fcc.gov/edocs_public/attachmatch/DA-12-2047A1.pdf
20. Connecting America: The National Broadband Plan, Federal Communications Commission (2010), *available at* <http://www.broadband.gov/plan/>
21. FEDERAL COMMUNICATIONS COMMISSION, Text-to-911: Quick Facts & FAQs, June 2013, *available at* <http://www.fcc.gov/guides/text-911-quick-facts-faqs>.
22. FEDERAL COMMUNICATIONS COMMISSION, Wireless Infrastructure Report and Order, FCC 14-153, October 21, 2014, *available at* <http://www.fcc.gov/document/wireless-infrastructure-report-and-order>

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23. STATE OF CONNECTICUT SITING COUNCIL, STATEWIDE PLAN FOR WIRELESS TELECOMMUNICATIONS COVERAGE, Revised February 2014, *available at* <http://www.ct.gov/csc/lib/csc/pendingproceeds/2013telcomplan-pub.pdf>
24. STATE OF CONNECTICUT SITING COUNCIL, TELECOMMUNICATIONS FACILITIES: AN ILLUSTRATED PRIMER ON THE SITING OF FACILITIES WITHIN CONNECTICUT AND THROUGHOUT THE NATION, VERSION II, *available at* http://www.ct.gov/csc/lib/csc/csc_tower_3_07.pdf
25. STATE OF CONNECTICUT SITING COUNCIL, STATEWIDE TELECOMMUNICATIONS COVERAGE DATABASE, *available at* <http://www.ct.gov/csc/cwp/view.asp?a=895&Q=248312&cscNav=|>
26. **DOCKET NO. 432** – Feasibility study of back-up power requirements for telecommunications towers and antennas pursuant to Public Act 12-148, *available at* <http://www.ct.gov/csc/cwp/view.asp?a=962&Q=511254&PM=1>

27. **DOCKET NO. 442** – New Cingular Wireless PCS, LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 284 New Canaan Avenue, Norwalk, Connecticut. Memorandum from Siting Council Acting Executive Director to Parties and Intervenors, Daniel Forrest and Todd Levine of SHPO, dated February 11, 2014

Department of Energy and Environmental Protection

28. 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 September 2007), available at http://www.ct.gov/deep/cwp/view.asp?a=2720&q=325660&depNav_GID=1654
29. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *The Connecticut Stormwater Quality Manual*, 2004 and appendices, available at http://www.ct.gov/deep/cwp/view.asp?a=2721&q=325704&depNav_GID=1654
30. CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Amphibians and Reptiles in Connecticut, DEP Bulletin 32*, Michael W. Klemens (2000), available at <http://www.ctdeepstore.com>
31. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF WATER PROTECTION AND LAND REUSE, PLANNING AND STANDARDS DIVISION, *Water Quality Standards*, Effective October 10, 2013, available at <http://www.ct.gov/deep/lib/deep/regulations/22a/22a-426-1through9.pdf>
32. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Connecticut Air Quality Standards*, Effective April 15, 2014, Regulations of Connecticut State Agencies §§ 22a-174-24, et seq.
33. 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.
34. STATE OF CONNECTICUT, DEPT. OF PUBLIC UTILITY CONTROL, Docket No. 08-06-19, DPUC Investigation into the Deployment of Distributed Antenna System (DAS) in the Public Rights of Way, September 29, 2010.
35. Letter from Elizabeth Brothers, Assistant Director, State of Connecticut Department of Environmental Protection, to Christopher B. Fisher, Esq., Attorney, Cuddy & Feder, LLP (Aug. 10, 2009), available at http://www.ct.gov/csc/lib/csc/pendingproceeds/docket_376/do376-20090817-depcommentadminnotice.pdf
36. 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
37. 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
38. 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

Department of Transportation

39. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, CONNDOT DRAINAGE MANUAL (2000, last revised December 2003), *available at* <http://www.ct.gov/dot/cwp/view.asp?a=3200&tq=260116>
40. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, POLICY STATEMENT FOR TELECOMMUNICATIONS INSTALLATIONS WITHIN THE STATE HIGHWAY RIGHT OF WAY, POLICY NO. E&H.O. - 53 (Aug. 7, 2006), *available at* http://www.ct.gov/csc/lib/csc/row_ps.pdf

Other State Agencies

41. STATE OF CONNECTICUT OFFICE OF POLICY AND MANAGEMENT, *Conservation and Development Policies Plan for Connecticut 2013-2018*, June 5, 2013, *available at* http://www.ct.gov/opm/lib/opm/igp/org/cdupdate/2013-2018_cd_plan.pdf
42. State Plan of Conservation and Development, as amended, Conn. Gen. Stat. §§ 16a-27 to 16a-32a (2013).
43. STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH, ENVIRONMENTAL AND OCCUPATIONAL HEALTH ASSESSMENT, RADIATION – CELL PHONE TOWERS – QUESTIONS AND ANSWERS ABOUT HEALTH, (May 2015), *available at* http://www.ct.gov/dph/lib/dph/environmental_health/eoha/pdf/051115_cell_phone_tower_final.pdf
44. STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH, CELL PHONES – QUESTIONS AND ANSWERS ABOUT SAFETY (May 2015), *available at* http://www.ct.gov/dph/lib/dph/environmental_health/eoha/toxicology_risk_assessment/050815_cell_phones_final.pdf
45. 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
46. An Act Establishing Connecticut Heritage Areas, as amended, 2009 Conn. Acts 221 (Reg. Sess.), codified at Conn. Gen. Stat. §16a-27 (2010), *available at* <http://www.cga.ct.gov/2009/ACT/PA/2009PA-00221-R00HB-06584-PA.htm>
47. 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
48. DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, STATE OF CONNECTICUT STATE RESPONSE FRAMEWORK, VERSION 2.0, August 2011, *available at* http://www.ct.gov/demhs/lib/demhs/ct_srf_aug_2011.pdf
49. DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, STATE OF CONNECTICUT STATE RESPONSE FRAMEWORK, Draft Connecticut Emergency Support Function 12, All Hazards Energy and Utilities Annex, July 2012, *available at* http://www.ct.gov/demhs/lib/demhs/eppi/esf_12_all_hazards_energy_and_utilities_annex_final_draft_july_2012.pdf

50. DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, STATE OF CONNECTICUT I-CALL/I-TAC INTEROPERABILITY TRAINING PROGRAM, November 2010, *available at*
http://www.ct.gov/demhs/lib/demhs/communications/projects/i-call_program_update_nov_2010.pdf
51. 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

TECHNICAL

52. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz*, IEEE Std. C95.1-2005 (November 1, 2009), *available at* <https://standards.ieee.org/findstds/standard/C95.1-2005.html>
53. TELECOMMUNICATIONS INDUSTRY ASSOCIATION & ELECTRONICS INDUSTRIES ASSOCIATION, *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*, TIA/EIA-222-G (2006), *available at*
https://global.ihs.com/search_res.cfm?RID=TIA&INPUT_DOC_NUMBER=TIA-222
54. Letter from John R. Morissette, Manager of Transmission Siting and Permitting, The Connecticut Light and Power Company, to Christopher B. Fisher, Esq., Attorney, Cuddy & Feder, LLP, (Feb. 19, 2010) regarding CL&P policy on the installation of cellular and PCS antennas on electric transmission structures, *available at*
http://www.ct.gov/csc/lib/csc/pendingproceeds/docket_388/do388-20100312_supplemental_submission.pdf
55. HEALTH PROTECTION AGENCY, *Health Effects From Radiofrequency Magnetic Fields, Report of the Independent Advisory Group on Non-Ionising Radiation*, April 2012, *available at*
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/333080/RCE-20_Health_Effects_RF_Electromagnetic_fields.pdf
56. CISCO SYSTEMS, INC., *Cisco Visual Networking Index: Global Mobile Data Traffic Forecast Update, 2016-2021 White Paper*, February 7, 2017, *available at*, <http://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/mobile-white-paper-c11-520862.html>

ENVIRONMENTAL

57. 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>
58. 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*
<http://www.nae.usace.army.mil/Portals/74/docs/regulatory/VernalPools/BestDevelopmentPractices20Oct2014.pdf>
59. Aram J.K. Calhoun, et. al., *Conserving pool-breeding amphibians in human-dominated landscapes through local implementation of Best Development Practices*, *WETLANDS ECOLOGY AND MANAGEMENT*, July 9, 2004 at 291, *available at*
<http://www.environmental-expert.com/Files/0/articles/9373/Conservingpool-breeding.pdf>

60. 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

61. 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>
62. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Natural Diversity Database Map for the Town of Lebanon*, (last updated December 2017), available at <http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp>
63. STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *Connecticut Aquifer Protection Areas Map*, last updated March 23, 2018, available at <http://www.ct.gov/deep/cwp/view.asp?a=2685&q=322248>
64. 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
65. 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>
66. CONNECTICUT FOREST & PARK ASSOCIATION, CONNECTICUT WALK BOOK 20TH ED. 2017, available at <http://www.ctwoodlands.org/connecticut-walk-book-20th-edition>
67. STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, *Connecticut Official State Tourism Map*.
68. NATIONAL AUDUBON SOCIETY, *Connecticut Important Bird Areas*, available at <http://netapp.audubon.org/iba/state/US-CT>
69. Mail-A-Map Street Map, Lebanon, available at <http://mailamap.com/street-maps>
70. United States Geological Survey, Connecticut Topographic Map Collection (Lebanon), available at http://magic.lib.uconn.edu/topographic_maps.html