METCALF INSTITUTE FOR MARINE & ENVIRONMENTAL REPORTING

Peter B. Lord Seminars on the Environment Climate Change Impacts in Southern New England

October 12, 2012 Coastal Institute Hazard Seminar Room University of Rhode Island Graduate School of Oceanography Narragansett, R.I.

Resources

Climate Change in General

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Pew Center on Global Climate Change. Climate Change 101: Understanding and Responding to Global Climate Change (Overview).

Link to full series: http://www.pewclimate.org/global-warming-basics/climate_change_101

Rhode Island Sea Grant. Climate Change in Rhode Island. <u>http://seagrant.gso.uri.edu/climate/index.html</u> This weblink includes a climate change science summary, information about the Wastewater Management Workshop facilitated by Jon Boothroyd and David Vallee, and PowerPoint presentations from November 2011 and May 2011 symposiums on climate change in the state of Rhode Island.

The Stern Review on the Economics of Climate Change, a 2006 report by Nicholas Stern of the U.K. concluding enormous economic opportunities in low carbon economics. <u>http://apo.org.au/research/stern-review-economics-climate-change</u>

The Ultimate Climate Change FAQ. Compiled by The Guardian. http://www.guardian.co.uk/environment/series/the-ultimate-climate-change-faq

Union of Concerned Scientists. Rhode Island: Confronting Climate Change in the U.S. Northeast. http://www.climatechoices.org/assets/documents/climatechoices/rhode-island_necia.pdf

U.S. Climate Change Policy Action at the State Level.

This list, compiled by the Center for Climate and Energy Solutions, provides links to climate change legislation, statewide climate change commissions, and climate action plans around the U.S. The list is not exhaustive, but provides a good starting point for additional information. http://www.c2es.org/what_s_being_done/in_the_states/state_legislation.cfm

U.S. Global Change Research Program National Climate Assessment. (The next National Climate Assessment is scheduled to be completed in 2013.) Information about the current assessment: <u>http://www.globalchange.gov/what-we-do/assessment</u>

The University Corporation for Atmospheric Research (UCAR). Frequently asked questions about global warming and climate change. https://www2.ucar.edu/faq/very-frequently-asked

Woods Hole Research Center. Understanding Climate Change: A Primer. <u>http://www.whrc.org/resources/primer_home.html</u>

Shoreline Change

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Heffner, L., et al. (2012). Climate Change & Rhode Island's Coasts. URI Graduate School of Oceanography and URI Coastal Resources Center. <u>http://seagrant.gso.uri.edu/z_downloads/coast/climate_change_summ_web.pdf</u> This report elaborates on the current trends and consequences of climate change as seen in the state of Rhode Island. The report includes extensive "Literature Cited" and "Climate Change References" sections that are useful resources for further information.

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Data Sources

Carbon Dioxide information Analysis Center. http://cdiac.ornl.gov

Massachusetts Office of Coastal Zone Management. http://www.mass.gov/czm/

National Drought Mitigation Center. Rhode Island State Drought Planning. http://drought.unl.edu/Planning/PlanningInfobyState/StatePlanning.aspx?st=ri Website portal that offers real-time ocean data for various coastal sections of the country. NOAA. Climate Program Office. Regional Integrated Sciences and Assessments. http://www.climate.noaa.gov/index.jsp?pg=/cpo_pa/cpo_pa_index.jsp&pa=risa&sub=list_pi.jsp

Northeast Climate Impacts Assessment. http://www.northeastclimateimpacts.org/.

The Northeast Climate Impacts Assessment (NECIA) is a collaboration between the Union of Concerned Scientists (UCS) and a team of more than fifty independent experts to develop and communicate a new assessment of climate change, impacts on climate-sensitive sectors, and solutions in the northeastern United States. Launched in May, 2005, the goal of the assessment is to combine state-of-the-art analyses with effective outreach to provide policymakers, opinion leaders, and the public with the best available science upon which to base informed choices about climate change mitigation and adaptation.

Rhode Island Sea Grant. Sea Level Rise Mapping & Data Tools.

http://seagrant.gso.uri.edu/climate/slr_tools.html

Provides information regarding vulnerability of North Kingstown, RI, to sea level rise including maps, the Sea Level Affecting Marshes Model (SLAMM), and the presentation, "Building blocks for Climate Change – Tools for Assessment and Planning (2011)," which addresses the need for adaption and mitigation in light of the impacts of a changing climate, particularly in North Kingstown.

Other

Conservation Law Foundation, Rhode Island. <u>http://www.clf.org/your-state/rhode-island/</u>

The Nature Conservancy, Rhode Island Chapter. <u>http://www.nature.org/ourinitiatives/regions/northamerica/unitedstates/rhodeisland/contact/providence-office-staff.xml</u>

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Rhode Island Coastal Resources Management Council. http://www.crmc.ri.gov/climatechange.html

Rhode Island Department of Health. http://www.health.ri.gov/programs/communityfamilyhealthandequity/index.php/index.php

Rhode Island Sea Grant. http://seagrant.gso.uri.edu/

Perry Sheffield, The Mount Sinai Hospital. http://www.mountsinai.org/profiles/perry-e-sheffield

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Town of Bristol, RI. http://www.bristolri.us/

Tupelo Gardenworks Ltd. http://www.tupelogardenworks.com/

University of Rhode Island Coastal Resources Center. http://www.crc.uri.edu/

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U.S. Geological Survey, Howard Ginsberg. http://www.pwrc.usgs.gov/staff/profiles/documents/ginsberg.htm