

Rich Shaw

From: Blank-White, Kristin <kblank@email.unc.edu>
Sent: Wednesday, May 29, 2013 2:23 PM
To: The Sustainability mailing list
Subject: [sustainability] UNC Sustainability—New University Generator Converts Methane into Electricity; Orange County Solid Waste Forum

Email not displaying correctly? [Click here to view it in your browser.](#)



Sustainability Update



Tip of the Week:

How does your garden grow? It's not too late to plant seed for the summer. Visit this [regional gardening guide](#) to learn when to plant and harvest a variety of vegetables. Or, consider volunteering at one of the local community gardens, such as the [Carolina Campus Community Garden](#), [HOPE Gardens](#), or the [Carrboro Community Garden](#) to learn new skills and make new friends.

Jobs, Internships, etc.:

NC State – Center for Environmental Farming Systems and Firsthand Foods – Farmer Project Associate – NC
[Read more »](#)

NC State – Center for Environmental Farming Systems – Sustainable

Carolina North Generator Produces Electricity from Landfill Methane Gas

A new 1,000 kilowatt generator at Carolina North converts methane gas from the Orange County landfill into electricity for the grid. The University and Orange County started the Landfill Gas Recovery Agreement in 2009 as a way to reduce carbon emissions, provide a revenue stream to Orange County, and advance UNC's carbon-neutrality goals. The University currently sells the electricity generated to the Duke Energy power grid, but plans to eventually use it to power buildings at Carolina North. Methane is a greenhouse gas with 25 times the global warming potential of carbon dioxide. By keeping methane out of the atmosphere, the University will receive carbon credits and move towards its goal of being carbon-neutral by 2050. The total emissions reduction as a result of the project is equivalent to the annual greenhouse gas emissions from 8,000 passenger vehicles. [Read more »](#)

Community Solid Waste Forum

Chapel Hill's Sustainability Committee and Orange County's Commission for the Environment will host a Community Solid Waste Forum on Thursday, May 30, from 6-8:30 pm at the Chapel Hill Public Library. Orange County residents interested in waste management practices are invited to attend and learn more about long-term regional goals. Please RSVP. [Read more »](#)

New Interactive Map of Raleigh Charging Stations

Agriculture Internship Program Assistant – NC
[Read more »](#)

UNC Charlotte – Sustainability Officer – NC
Position # 010087 [Read more »](#)

University of Maryland – Assistant Director, Center for Social Value Creation – MD
[Read more »](#)

George Washington University – Executive Director for Sustainability – DC
[Read more »](#)

Oberlin College – Executive Director of the Oberlin Project – OH
[Read more »](#)

Rural Action AmeriCorps Watersheds Program – Zero Waste Initiative Organizer – OH
[Read more »](#)

National Center for Science Education – Environmental Science Education Resource Development Internship – CA
Contact berbeco@berkeley.edu if interested.

Peralta Community College – BEST Program (Building Efficiency for a Sustainable Tomorrow) Positions – CA
[Read more »](#)

REU - Bermuda Institute of Ocean Sciences (BIOS) - eight internships for undergraduate student research, fall 2013 – Bermuda
[Read more »](#)

Find more job and internship opportunities in the [AASHE Bulletin](#) and [UNC's Institute for the Environment blog!](#)

The City of Raleigh presents Periscope, a web-based dashboard system that allows the community to monitor and view electric vehicle charging stations in real time. The dashboard displays charging station availability and station usage figures. The dashboard will help inform future planning and placement of charging stations. [Read more »](#)

CO2 Concentrations Surpass 400 PPM Milestone

Atmospheric concentrations of carbon dioxide (CO2) recently surpassed a notable milestone, reaching above 400 parts per million (ppm) for the first time in human history. The new measurement came from analyzers atop Mauna Loa, the volcano on the big island of Hawaii that has long been ground zero for monitoring the worldwide trend on CO2. Carbon dioxide pumped into the atmosphere by fossil fuel burning and other human activities is the most significant greenhouse gas contributing to climate change. Its concentration has increased every year since scientists started making measurements on the slopes of the Mauna Loa volcano more than five decades ago. The rate of increase has accelerated since the measurements started, from about 0.7 ppm per year in the late 1950s to 2.1 ppm per year during the last 10 years. [Read more »](#)

Abstracts, Awards, Scholarships, and Conferences:

NC Bike Summit Call for Proposals

The North Carolina Bike Summit fosters collaboration between state bicycle initiatives, efforts, and endeavors; educates local government, bicycle advocates, and policy leaders; promotes cycling as a form of transportation; and highlights North Carolina's dedication toward becoming a bicycle friendly state. The call for workshop and presentation ideas is now open for the Second Annual NC Bike Summit, to be held in Carrboro, North Carolina, October 18-20. Submit proposals by June 21. [Read more »](#)

Carolina in the News

Check out the recent media mentions of sustainability-related programs, practices, and people at UNC:

N.C. coast ideal for wind farms, but logistics complicated

The Star News (Wilmington)

For years, chatter about the possibility of offshore wind power in North Carolina has hummed among state environmental groups. In the past year, that conversation intensified as concrete plans to develop the state's offshore resource moved forward through federal channels. ... The turbines could provide habitat for several threatened species, boosting their fledgling population numbers and allowing charter companies to ferry higher numbers of tourists on offshore excursions...."The base of the wind turbine that goes into the sea floor has, placed around it, something that engineers call a scour apron," said Pete Peterson, professor of marine sciences, biology and ecology at the University of North Carolina-Chapel Hill. "It's a huge pile of

very large rocks that stands up to 6 feet tall off the bottom, and extends out a substantial distance around the entire pile. That is exactly what you would build if you wanted to do a restoration of the rocky habitat for fish, including the snapper-grouper complex." [Read more »](#)

Launch ready to give businesses a leg up

The News and Observer (Raleigh)

The Launch business incubator is one piece of an economic plan, but it shows what the town, county and university can do together, officials said at an open house Wednesday. ...Chancellor Holden Thorp said the venture has been a hugely successful partnership and reflects a lot of the town's pent-up enthusiasm. He was especially proud to see a former student, Betty Cogdell, making a go of her dream to sell gluten- and dairy-free baked goods. Thorp's advice to potential entrepreneurs: "It's a lot harder to do than you think it's going to be, and a lot of people who quit don't realize how close they might be to the goal line. If you can find a way to keep going, it's always worth it." [Read more »](#)

Thanks to UNC News Services for finding these great stories AND compiling the summaries! You can find more UNC media coverage and stories online at <http://uncnews.unc.edu>.

You are currently subscribed to sustainability as: rshaw@orangecountync.gov. To unsubscribe click here: <http://lists.unc.edu/u?id=60979676.4109e352523837b13e344b0bcbdd441e&n=T&l=sustainability&o=33159495> or send a blank email to leave-33159495-60979676.4109e352523837b13e344b0bcbdd441e@listserv.unc.edu