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Growing Responsibly

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VANDERBILT  UNIVERSITY

Walk/Bike University Class: City Cycling 101 – November 3

Learn how to ride your bike safely and confidently with this classroom-style workshop! Topics include an overview of the parts of a bike, Rules of the Road, how to avoid crashes, and basic maintenance. The [Walk/Bike Nashville University](#) classes are designed to help adults learn the basic skills for becoming safer, more confident bike drivers. Read more [here](#).

Urban Ecosystems in Nashville – November 3

The [Vanderbilt Sociology Department](#) Green Jobs Seminar welcomes the Vanderbilt community to hear Jennifer Smith, from the Nashville Public Metro Works-Landscape Coordination

October is Energy Awareness Month and Campus Sustainability Month, so it is like Christmas morning around our office! SEMO can't wait to celebrate at all the many events coming up this month! Join us for the Commons Unplugged Green Forum, and stop by to say hello at our booths at the Know Tomorrow event, Green Fair, and Wellness Bash. Don't forget to anchor down and tackle recycling at all home football games. Go 'Dores! We are also calling all campus departments, organizations, groups, and classes to apply for the Athletics Football Sustainability Competition...you can win a fabulous catered tailgate, 20 tickets and an on-field award ceremony if you let us know the exciting and innovative ways you and your class or group help make Vandy more sustainable! Additional information about the stories and events included in this newsletter are available on the [SustainVU website](#) and [Facebook](#) page. Have a sustainable October and slay some "energy vampires" this Halloween!

Andrea George, Director
Sustainability and Environmental Management Office
Vanderbilt University (615) 322-4551 | [e-mail](#) | [Web site](#)

Program, for a presentation on “Urban Ecosystems in Nashville” at 10:45am, in Garland 209. Read more [here](#).

Engage Green: Preserve the Harvest – November 4

Join [Team Green Adventures](#) and [Urban Green Lab](#) each month as you are invited to get your hands dirty and your brain stimulated through workshops on a range of sustainability-related topics. This month, hear from a couple of local food experts to discuss some creative ways to preserve your food and make that summer harvest last into the winter! Read more [here](#).

Zero Waste Business Practices Talk – November 10

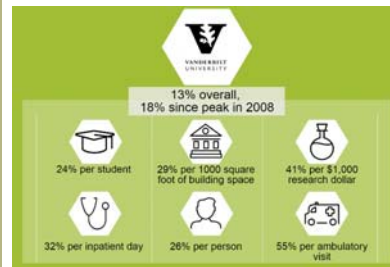
The [Vanderbilt Sociology Department Green Jobs Seminar](#) welcomes the Vanderbilt community to hear Diane Scher, Manager of Environmental Affairs at Bridgestone Americas, for a presentation “Zero Waste Business Practices” at 9:30am, in Garland 209. Read more [here](#).

RTA nMotion Community Leaders Transit Conversations – November 12

Cumberland Region Tomorrow is working with the Regional Transportation Authority of Middle Tennessee (RTA) and the [Transit Alliance of Middle Tennessee](#) to coordinate community leader transit conversation events in 9 of our region’s counties. The end goal of



Vanderbilt greenhouse gas emissions down almost 30 percent per square foot



Vanderbilt University and Vanderbilt University Medical Center’s greenhouse gas (GHG) emissions decreased by 18 percent from its peak in 2008 and by 13

percent overall from calendar years 2005 to 2014, according to the Vanderbilt [Sustainability and Environmental Management Office’s](#) latest [annual GHG inventory](#).

Taking into account Vanderbilt’s significant growth in square footage, students, patient care and research dollars over the tracking period, GHG emissions have been reduced by almost 30 percent per square foot of building space and by 41 percent per sponsored research dollar since 2005.

The [conversion](#) of Vanderbilt’s power plant to 100 percent natural gas fuel in November 2014 has increased operational efficiency while also contributing significant environmental benefits. Greenhouse gas emissions from the power plant dropped 10 percent from 2013 to 2014 and, moving forward, may decline by as much as 40 percent. The conversion also decreased the emission of particulate matter by more than 50 percent and virtually eliminated emissions of mercury, hydrogen chloride, sulfur dioxide and other air pollutants. Vanderbilt also eliminated the delivery of 2,300 trucks of coal each year, 15 million pounds of coal ash waste produced by the plant and the burning of 105 million pounds of coal each year. Other benefits include a reduction of noise pollution and elimination of associated fuel use and emissions from trucking coal to the power plant.

Read the full story [here](#).

SustainVU to help bring ‘green’ education to MNPS students next spring

these events is to identify and engage local public and private sector community leaders who will help shape RTA's plan strategies and future implementation actions. Come to Volunteer State Community College in Sumner County at 4:30pm to join the conversation. More details [here](#).

Vanderbilt Football Home Game – November 14

[Vanderbilt Athletics](#) and [Waste Management, Inc.](#), with the Sustainability and Environmental Management Office ([SEMO](#)) will be recognizing this year's Greenest Group on Campus with a catered tailgate and on-field award presentation during the game. Come out to cheer them on and check out our tailgating [tips](#)!

America Recycles Day – November 15

America Recycles Day, a program of Keep America Beautiful, is a nationally recognized day dedicated to promoting and celebrating recycling in the United States. Take the pledge to recycle today, and every day, to make a difference in your community! If you snap a selfie while recycling this month, share it using #RecyclingSelfie for a chance to win a prize from Keep America Beautiful! Read more [here](#)

Stormwater Workshop at the Zoo – November 20

Join the [Cumberland River Compact](#) and the [Nashville Zoo](#) for a training workshop on stormwater retrofits including a Zoo on-site project case

[SustainVU](#), the [Vanderbilt Center for Science Outreach](#) and [Vanderbilt Student Volunteers for Science](#) are



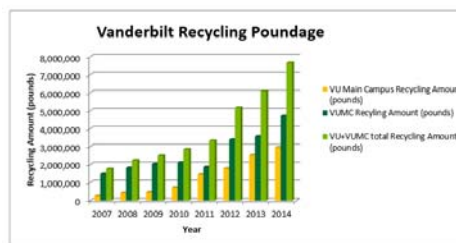
subgrant recipients of a \$91,000, two-year EPA grant to Nashville's [Urban Green Lab](#) to deliver hands-on science and sustainability education to Nashville middle- and high-schoolers.

With assistance from partners [Metro Nashville Public Schools](#) and [Nissan North America](#), the Urban Green Lab's mobile science and sustainability laboratory will bring engaging exhibits and activities and interactive green technologies to MNPS students. The lab will launch in spring of 2016. The EPA funding will allow Vanderbilt student volunteers and interns to facilitate mobile lab site visits, gaining valuable field experience and boosting the project's success.

"SustainVU is happy to offer this unique learning opportunity to our students, who will gain valuable experience as they bring sustainability education to MNPS students through the mobile lab," said Andrea George, director of the Sustainability and Environmental Management Office at Vanderbilt.

Read the full story [here](#).

Vanderbilt recycling up 25 percent in one year



Vanderbilt has yet again increased the amount of materials it recycled last year! Recycling

increased by 25% from 2013 to 2014, now totaling 7.4 million pounds of materials. That is the same weight as 10 fully loaded Boeing 747s! Since 2007, Vanderbilt has increased its recycling by over 430%.

In 2014, Vanderbilt recycled enough cardboard, plastic, scrap metal, aluminum, glass, bulbs, electronics, and ink/toner

study. Certificates for self-reported PHD/CEU hours will be provided. The event will take place between 8:30am – 4:00pm. Mark your calendars and RSVP to [Gwen Griffith](#).

First Vanderbilt Green Fund Application Deadline – November 20

The first application deadline for the Vanderbilt Green Fund is quickly approaching! The Vanderbilt Green Fund, established in 2011 by members of SPEAR and VSG, is a fund set aside for sustainability projects proposed by students. We are looking for innovative and educational ideas that conserve utilities. Read more [here](#).

ReLeafing Nashville Day: Tree Planting- November 21

[Team Green Adventures](#) and [Nashville Tree Foundation](#) needs your help at their annual tree planting to make Nashville a greener place to live! This year trees will be planted for residents in Northwest Nashville neighborhoods. Read more [here](#).

Walk/Bike University Class: City Cycling 201 – November 21

Learn the skills and confidence to ride in your neighborhood and on a variety of types of road! Topics include bike maneuvering, where to ride in the road, scanning and signaling, and crash avoidance. The [Walk/Bike Nashville University](#) classes are designed to help learn the skills for

cartridges to conserve the equivalent of the following natural resources:

- 62,000 mature trees saved;
- 13,000 cubic yards of landfill airspace, equal to the space inside 89 semi-trailers;
- 16 million kilowatt hours of electricity, which is enough electricity to power 1,300 homes for a year;
- 7,500 barrels of oil which is enough oil to produce 143,000 gallons of gasoline;
- 12,000 metric tons (MTCO₂E) of greenhouse gas emissions; and
- 22 million gallons of water, which would fill 33 Olympic sized swimming pools.

Read the full story [here](#).

Printing services 2.0 includes environmental stewardship

In addition to naming a new director, Sean Carroll, Printing Services is embarking on an exciting new direction and strategic plan. This roadmap, dubbed “Printing Services 2.0,” caps a nearly six-month-long planning process that

involved extensive financial analysis, customer surveys and focus groups. The result is a new operating mission and expanded charter that includes an expanded emphasis on environmental stewardship.

“Along with our commitment to environmental stewardship through our FSC certification, Printing Services will offer best-in-class technology to support our colleagues’ needs,” Carroll stated.

The Forest Stewardship Council (FSC) certification system provides internationally-recognized standards in responsible forestry. In order to obtain certification, a product’s entire supply chain must meet the FSC-certification process which serves the best interests of people, wildlife, and the environment. FSC-certification is globally recognized as being the most credible and stringent system for ensuring well-managed forests.

Read the full story [here](#).

Community Leaders Transit Conversations Country Meetings



becoming safer, more confident bike drivers. Read more [here](#).

Vanderbilt Football Home Game – November 21

Don't forget to anchor down and tackle recycling when you attend home Vanderbilt Football games this year! [Vanderbilt Athletics](#) and [Waste Management, Inc.](#), with the Sustainability and Environmental Management Office ([SEMO](#)) and [Plant Operations](#) will collect recycling from the stadium and surrounding areas. Recycling bins will be located throughout the tailgating areas, right outside the stadium as you enter for the game, and inside the stadium for your convenience. Check out our tailgating [tips](#)!

Tennessee Clean Energy Conference – December 14-15

Join the 2nd Annual [TREEDC/Tennessee Environmental Council](#) International Conference on December 14 and 15, 2015. Find out the most up-to-date information about EPA's Clean Power Plan and learn what it means for the future of Tennessee's businesses, municipalities, utilities, communities, and energy infrastructure. Conference features speakers and workshops presented by [TVA](#), [TDEC](#), and Tennessee's clean energy business and community leaders. More details and registration [here](#).



The Regional Transportation Authority ([RTA](#)) is hard at work to provide new and better transit options that ensure everyone can get where they need to in a cost-effective and timely manner. To

determine how best to expand regional transit service, the RTA is updating their Strategic Transit Plan, known as nMotion 2015. Your input and opinions are desperately needed to help develop the best regional mass transit system possible.

Join [Cumberland Region Tomorrow](#), the [Transit Alliance of Middle Tennessee](#), and the [Regional Transportation Authority](#) to discuss the specific transit and transportation needs of your county. These events will bring together key government, business, and community leaders from your county for an in-depth look at the demand for new solutions in regional transportation and transit in relation to your county's vision and goals. Find your county's meeting [here](#).

5 Things you need to know about climate change, according to Bill Nye

Everyone's favorite science guy, Bill Nye, breaks down the 5 things to remember about climate change in this National Geographic [video](#). Here's a recap:



1. The atmosphere is thin.
2. There are 7.3 billion people breathing and burning fossil fuels on our planet.
3. All the heat energy in the atmosphere is changing it, not just making it warmer.
4. This warmth is making the ocean get bigger.
5. The most important part is the rate at which this is all happening. "All this never happened this fast," Bill Nye emphasizes.

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For more information on any of these stories, events and more, visit the SustainVU website at www.vanderbilt.edu/sustainvu or contact the Sustainability and Environmental Management Office at sustainvu@vanderbilt.edu or (615) 322-2057.

