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VANDERBILT  UNIVERSITY



SustainVU

Growing Responsibly



June 2018

We hope everyone is enjoying the beginning of summer! Vanderbilt published the full FutureVU report, a comprehensive vision for development of campus. Read about the exciting future for Vanderbilt [here!](#) Leftover strawberries from commencement were donated once again to the Nashville Zoo and Walden's Puddle, see the video of the lorikeets enjoying their treat [here!](#) Additional information about the stories and events included in this newsletter are available on the SustainVU [website](#), Instagram, Twitter, and [Facebook](#) page. Stay cool and have a sustainable start to summer!



FutureVU releases comprehensive vision for development of campus

2018 TN Bike Walk Summit – June 1

The TN Bike Walk Summit brings together cyclists, advocates, and transportation professionals from across the state to share resources and best practices related to bicycle infrastructure, funding, education, outreach, and policy. The summit will be held at the Lentz Public Health Center from 7:30am-9pm. More information [here.](#)



A holistic vision for the physical development of campus over the next 20 to 30 years is now available on the

[FutureVU website.](#)

The vision includes long-term projects designed to uphold the values of diversity, inclusion, sustainability, optimized mobility and transportation, and the preservation of the university as a historic park-like setting.

In addition to releasing the vision, the FutureVU team continued community engagement and strategic planning efforts in the sustainability initiative throughout the spring semester. As a part of the FutureVU vision and [Guiding Principles](#), creating sustainable solutions is significant in reducing the university's environmental impact. Vanderbilt has launched two studies to develop these solutions: a large-scale renewable energy study and BlueSky energy vision study. These studies will identify ways in which Vanderbilt can reduce its carbon footprint and make use of renewable energy as a part of its power portfolio. Read more [here](#).



Wellcast: FutureVU Speaks to Health Benefits of Land Use Plans

How do FutureVU's land use plans target healthy living? Eric Kopstain, Vice Chancellor for Administration at Vanderbilt University, discusses how FutureVU incorporates bike paths, walkways, trails, and light exposure into plans to encourage active lifestyles in faculty, staff, and students. Click [here](#) to listen in.



Pint cracks code to cheap, small carbon nanotubes

First Friday LEED Webinar – June 1

This LEED Webinar, called “A Practical Look at Green Buildings for Contractors,” will focus on LEED v4 content. The webinar is aimed at contractors and their trades who are working on green building projects or who would like to be more involved in green buildings. It will be held from 11:15am-1:30pm. More information [here](#).

Recycling Center Tour – June 13

Have you ever wondered what happens to your recycled materials once they go in your bin? You're invited to the Waste Management Materials Recovery Facility for a FREE tour of the recycling center! The tour will include an hour long interactive presentation and opportunity to see the MRF in action. Tour starts at 11am. More information [here](#).

Skyline Social – June 14

The Nashville Civic Design Center will host the annual kick-off to PARK(ing) Day with the Skyline Social. Come



Imagine a box you plug into the wall that cleans your toxic air and pays you cash.

That's essentially what Vanderbilt University researchers produced after discovering the blueprint for turning the carbon dioxide into the most valuable material ever sold – carbon nanotubes with small diameters.

Carbon nanotubes are supermaterials that can be stronger than steel and more conductive than copper. The reason they're not in every application from batteries to tires is that these amazing properties only show up in the tiniest nanotubes, which are extremely expensive. Not only did the Vanderbilt team show they can make these materials from carbon dioxide sucked from the air, but how to do this in a way that is much cheaper than any other method out there.

These materials, which Assistant Professor of Mechanical Engineering [Cary Pint](#) calls "black gold," could steer the conversation from the negative impact of emissions to how we can use them in future technology. "The cheapest carbon nanotubes on the market cost around \$100-200 per kilogram," Ph.D. student Anna Douglas said. "Our research advance demonstrates a pathway to synthesize carbon nanotubes better in quality than these materials with lower cost and using carbon dioxide captured from the air." Read more [here](#).



Nashville Zoo treated with strawberries from 2018 Vanderbilt Commencement

After Commencement events, Vanderbilt's Office of the Chancellor and the Commencement Office partnered with Nashville Zoo



and claim your parking spot, and begin making plans to create the most creative and engaging parklets ever. The event will be held from 5:30pm-7pm at Industrious coworking space. More information [here](#).

June Urban Design Forum: Meet Wharf Park – June 20

The June Urban Design Forum will look at developments along the Cumberland River, the master planning process, and a look at the future of Wharf Park. The forum will be held at Emma Bistro from 5:30pm-7:30pm. More information [here](#).

Making Nashville Living Building Ready: Part 2 – June 21

Making Nashville Living Building Ready is a multipart discussion series here at VU examining the Living Building Challenge. This session of the series will focus on the Water petal and site design, as well as regulatory and operational challenges to triple net zero buildings. The discussion will be held in the Jacobs Believed

and Walden's Puddle to continue a little piece of Vanderbilt tradition.

The university donated strawberries that were left over from the Strawberries and Champagne celebration at Commencement to the two Nashville organizations. Since fresh produce cannot be reserved or re-packaged, the donation prevented the uneaten strawberries from being sent to a landfill. Staff from Vanderbilt's Facilities organized the donation and delivery after Commencement events concluded.

The [Nashville Zoo](#) and [Walden's Puddle](#), a wildlife rehabilitation and education facility that provides care and treatment to sick, injured, and orphaned native Tennessee wildlife, shared the strawberries with their animals.

See a great video of the animals at the Nashville Zoo enjoying the strawberries [here](#).



in Me Auditorium in Featheringill Hall from 5:30-7pm. More information [here](#).

Nashville's 4th of July – July 4

The Regional Transportation Authority of Middle Tennessee (RTA) operates its special Music City Star train each year on July 4th. The train departs from the Lebanon Station, stops in Martha, Mt. Juliet, Hermitage, Donelson and arrives at Nashville's Riverfront Station. The return train leaves after the conclusion of the Nashville fireworks. Tickets will be available at www.NashvileMTA.org and they go fast! More information [here](#).

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.

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