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A NOTE OF THANKS

This issue of Facilities News focuses on continuous improvement—articles, tips, and information. Look for the star.

Inside learn more about the new School of Engineering building, a Meridian update, and mobile app rollout.

The office of Sustainable Energy and Environmental Initiatives is doing a great **job leading the university's** sustainability efforts. See Page 3 and 5 for details.

Also in this issue, see Page 4 to learn more about available training through the **university's Center for Learning and Professional Development (CLPD), Lynda.com, and CLPD's** lending library.

I enjoyed seeing many of you at our tailgate and look forward to seeing you all at our upcoming events. See the last page for dates.

In addition to your efforts in support of the university

and Facilities Management, your generous support, of our *Holiday Food Drive* to benefit the Rhode Island Community Food Bank and our *Adopt-A-Family* effort in support of **RI Children's Friend Spirit** of Giving Drive, is greatly appreciated. Thank you.

Sincerely,



Vice President
Facilities Management

ASSISTANT VICE PRESIDENT OF OPERATIONS



Jeff started at Brown on November 2nd. He comes to Brown

from Jones Lang LaSalle (JLL) where he oversaw complex, high-level accounts for large pharmaceuticals including Novartis and Amgen. At JLL, Jeff was responsible for managing 84 technical and managerial staff and over 4.5 million sq. ft. of highly regulated research and development, GMP, manufacturing and ad-

ministrative space.

Prior to working at JLL, Jeff

Jeff's responsibilities include strategic oversight of Facilities Operations including Operations, Grounds, and Custodial Services.

spent sixteen years at Pfizer, Inc., finishing his career there as the Director of Operations of Pfizer Global Operations.

Jeff is known for his "transformational" management style.

Please stop by and welcome Jeff. His office is located at 295 Lloyd on the second floor (Room 210). You might want to ask him about his favorite hobbies (watching the **New England Patriot's** or any Boston team or playing the guitar) or about the last Steven King chiller that he read.

Jeff we welcome you to Brown and to Facilities Management!



CONTINUOUS
IMPROVEMENT
EDITION

Follow the star for
continuous improvement
tips and information.

GROUND BREAKING IMPROVMENTS—A NEW ENGINEERING BUILDING



“The new Brown University School of Engineering research building will launch research that will have a transformational impact on society. “ To learn more go to: <http://www.brown.edu/academics/engineering/new-building>



Excavators continued their construction outside Barus and Holley for the new \$88-million, 80,000-square-foot engineering building, which is expected to be completed in early 2018. *Photo by Eli White, BDH November 11, 2015*

Live Webcams: http://www.brown.edu/Facilities/Building_Brown

[View from Barus & Holley](#) [View from 180 George](#)

[View from GeoChem](#) [View from Marston Hall](#)

The 80,000-square foot structure is designed by Philadelphia-based KieranTimberlake and will be built by Shawmut Design and Construction. It will feature:

- A nanotechnology cleanroom.
- An advanced imaging suite.
- A bio-cleanroom.
- Large- and small-scale collaboration spaces.
- Open-plan laboratories on the second and third floors.
- A multi-functional commons, cafe, and meeting space on level one.
- An outdoor eating area adjacent to the cafe; green spaces for collaboration and relaxation.
- Innovative energy-saving strategies such as external vertical “fins” to manage solar gain.
- An advanced multi-disciplinary undergraduate teaching lab.



Mock up of exterior materials



Utility of relocation & fire rated wall installation



The engineering building is being conceived and built under the innovative Integrated Project Delivery process, a highly collaborative design and construction approach to building.



8TH ANNUAL SUSTAINABILITY REPORT



Brown University's Eighth Annual Sustainability Report

has been release by the Office of Energy and Environmental Initiatives and can be found on the [Facilities Management](#) and [Brown is Green](#) websites. We continue to make great progress on energy conservation projects and sustainability initiatives. As of last year, we have reduced our carbon emission by 26.6% since our goal was established in 2007. We also have been projecting that as we get closer to realizing our goal there may be times when we experience small increases in our carbon emissions for various reasons, as we did this year. Our carbon emissions reduction is currently 22.1% which is below our target goal for this year of 28%. The primary reason for this is simply the weather that we experienced this past winter. We had the coldest winter in the past 20 years, which triggered the need for more energy use to heat our buildings.

Although we still actually decreased our energy use from the prior year, the New England electricity grid utilized more carbon inten-

sive fuels, due in large part to a shortage of natural gas pipeline infrastructure in the region, increasing our CO2 emissions per kilowatt-hour increase by 13%. This will abate over time as New England continues to invest in cleaner electricity generation. For more specific details regarding the overall progress toward our energy goals, please see the Executive Summary on Page 4 of the [report](#).

The Office of Energy & Environment (E&E) and the Sustainability Strategic Planning and Advisory Committee (SSPAC) continue to seek out new ways to develop and enhance the university's social and environmental impact while incorporating student learning and development in fields that contribute to global wellbeing.

The report features the work done over the past year of the Sustainability Strategic Planning and Advisory Committee (SSPAC), as described on Page 4 of the report. Some highlights over the past year include:

- A 23.2 percent waste diversion rate. About 1,340,000 lbs. of waste was either recycled, donated, re-purposed, composted, or otherwise diverted from the landfill (Page 9).
- An extensive dining audit and Andrews Compost Pilot revealed Brown could reduce its annual landfill-bound waste by 15.5% (Page 10).
- 100 students volunteered for the 10-week Andrews Compost Pilot, further confirming student support for the diversion of organic materials (Page 10).
- Commencement 2015 was the first to eliminate one-use plastic water bottles and provide



FY 2015 Brown University Organics Diversion (lbs)	
Yard & Leaf Waste to Compost	110,400
Waste Oil to Bio Diesel	44,000
Pig Farm	160,000
Food Waste to Compost	47,000
Food Donations	25,076
TOTAL	386,476

Continued on page 6...

ARE YOU TOO BUSY TO IMPROVE?



<https://hakanforss.wordpress.com/2014/03/30/are-you-too-busy-to-improve-focus-on-the-system/>

The [Center for Learning and Professional Development](#) (CLPD) is your resource for learning and professional development opportunities and solutions at Brown University. The CLPD offers a variety of development opportunities to support you now and in the future at the individual, team, and organizational levels. For questions about their programs and services, call 863-9970 or email clpd@brown.edu. To browse for learning opportunities, login to LearningPoint. Take a moment to review the training registration and attendance policy before signing up for CLPD's instructor-led programs.



LYNDA.COM

With www.Lynda.Com you can learn things like:

- ◆ Presentation Skills
- ◆ Photoshop/Graphic Design
- ◆ Microsoft
- ◆ Word/Excel/PowerPoint
- ◆ Advanced iPhone/iPad Usage
- ◆ Business Skills

Visit: www.Brown.edu/Lynda or stop by the FM IT Helpdesk for more information.



10-minute tips

- InDesign Secrets : Jul 30
Making better Bridge previews
5:37
- The Practicing Photographer : Jul 30
Shooting a slow-shutter zoom-and-spin shot for light effect
4:47
- Marketing Tips : Jul 29
Showing your birthday on Twitter
3:36
- Video Post Tips Weekly : Jul 29
Introduction to multicam boot camp
0:50
- Communication Tips : Jul 29
Reducing your anxiety about public speaking
4:27

BROWN CLPD LENDING LIBRARY



A comprehensive, easy-to-use lending library. Log on to [library](#), browse selections, and email CLPD (clpd@brown.edu) to request books. Books are sent and returned via campus mail.



For more information go to: <http://cloud.collectorz.com/clpdlibrary/books/view?viewType=cover>



IMPROVING LANDSCAPES: CAMPUS RAIN GARDENS



Brown must be careful about waste-water runoff and use both natural and technological mitigation methods. The Urban Environmental Lab, 85 Waterman Street, and the new Ap-

plied Math building all have rain gardens. This is a natural way to return water to the watershed that does not require water treatment and helps water become clean again before draining to the bay. According to the EPA, rain gardens are “shallow, vegetated basins that collect and absorb runoff from rooftops, sidewalks, and streets. Rain gardens mimic

natural hydrology by infiltrating and evapotranspiring runoff.”

To learn more about Green Infrastructure go to: http://water.epa.gov/infrastructure/greeninfrastructure/gi_what.cfm#raingardens

Water Features

Rainwater Collection and Reuse System: This 6,500 gallon tank collects and retains precipitation from the roof to be used in toilets in the building that are all 35% more efficient. This reduces demand for potable water by at least 68% and this will increase during rainy periods.

Rain Garden: By creating the rain garden at 85 Waterman, stormwater runoff is expected to be reduced by 39%. Stormwater harvesting and vegetated strips will remove approximately 91% of total suspended solids from stormwater runoff.

IMPROVING SERVICE: WASTE & RECYCLE COLLECTION

One of Custodial Services’ 2015 department goals was to write requests for proposals for all service vendors. The largest of these essential operations is trash and recycling removal.

As of October 1st Brown University is excited to welcome [Republic Services](#) as its new waste and recycling vendor. Republic Services has signed a five-year contract with Brown University to handle our trash and recycling throughout campus and events. Significant factors that contributed to this transition, from Waste Management, included **Republic’s focus on sustainability and reasonable costs.**

Republic has committed to send the majority of our trash to a Waste-to-Energy facility that, from an environ-

mental perspective, is less detrimental than sending it to a landfill. The environmental benefits, of incineration, include greater secondary recycling



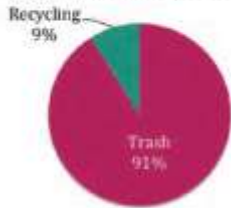
through pre-sorting at the plant, reduced landfill waste volume, lower indirect carbon footprint as the incinerated waste generates more electricity than the landfill Gas-to-Energy (GtE) plant, displacing fossil fuel generated electricity, and increased recovery of potentially toxic material from entering into the air,

water, and soils. Additionally, Republic’s front load trucks, and soon to be in use roll-off fleet, operate using compressed natural gas, a cleaner fuel that has about an average reduction in ozone-forming emissions of 80 percent compared to gasoline vehicles.

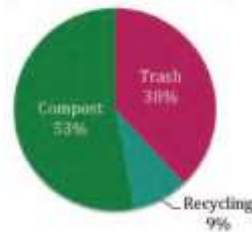
Through this contract, Republic has partnered with our E&E Office for the branding of our waste streams, to bring standardized colors to our waste and recycling bins and dumpsters. Republic custom painted our **trash dumpsters brown** and **recycling containers blue** – colors that reflect the new waste-stream branding that will be rolled-out across campus over the next year.

8TH ANNUAL SUSTAINABILITY REPORT CONT. FROM PAGE 3

Andrews Dining Waste Stream Without Compost (10 weeks)



Andrews Dining Compost Pilot Waste Stream (10 Weeks)



Based on these numbers, in one year: 88,366 lbs of organic material from Andrews Dining could be composted, resulting in an overall Andrews Dining Hall diversion rate of 62%.

2,200 pre-filled, reusable, commemorative bottles to graduating seniors, alumni, and VIPs. Additionally, water stations were set-up for all participants to use. (Page 12).

- The Office of Energy & Environmental Initiatives (E&E) partnered with Institute at Brown for Environment & Society (IBES) to test the first Institutional Nitrogen Footprint Tool – an EPA funded project through the University of Virginia aimed to calculate and educate institutions and communities on the environmental impact of their choices (Page 21).

Thank you for your support over the past year and your continued support as we move forward to more impressive results next year.

Creating a more economically efficient and equitable transportation portfolio

Expanding Providence's "Complete Streets" program

Decreasing Brown's transportation-based carbon footprint

MOBILE APP ROLLOUT



The FAMIS mobile application was tested through a pilot with a select group of trades staff in May, 2015. It was officially deployed to all trades staff this past September. A total of 120 Apple iPads were distributed across the maintenance operations divisions. While this application is still in the early stages, and there have been some learning curves, trades staff received extensive training on how to use the tablet and the application with future training scheduled for more specific features.

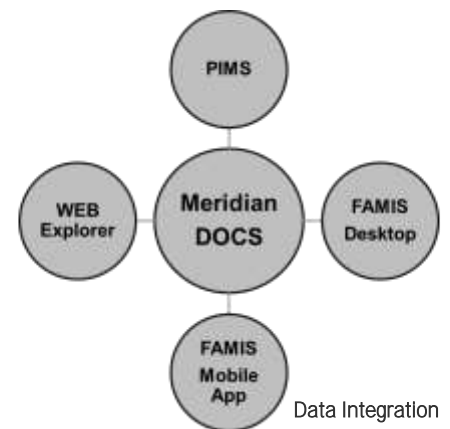
This application allows staff to access work orders and complete their time cards from virtually anywhere on campus. According to the staff I spoke with, additional benefits of this application include:

Real-time understanding of what is on the work bench when staff are in the field.

Staff receive an audible prompt for high priority issues and emergencies

It allows staff to stay out in the field to maximize efficiency and move from job to job more easily. It also allows them

to do a scope of work and determine materials needed in a more timely manner.



It allows for more extensive use of photos to be attached to work orders so Service Response staff can more accu-

Continued on page 7...



Facilities Management no longer stocks disposable cups. We are saving thousands of cups each year from our waste stream.

MOBILE APP ROLLOUT CONT. FROM PAGE 6

rately assess the work that needs to be done. It allows staff to take more pictures and write more notes as they are standing in front of the deficiency rather than trying to remember the details at a later time.

COMING SOON! The IT department is on the verge of deploying a similar application to all Brown customers on campus, which will allow customers to submit work orders from the field by taking a picture and submitting a ticket through the application, which will be downloadable to the mobile device of their choice.

MERIDIAN PROJECT UPDATE

The Meridian project continues to move forward. Over the next several months members of Planning, Design, and Construction (PD&C) will be adopting the use of Meridian for managing all documents as new project get underway.

The use of Meridian will replace the use of networked share drives S: and P:. In addition, PIMS (Project Information Management System) has been inte-

grated with Meridian so members of PD&C can link to Meridian documents directly from within the PIMS application.

The Plan Room physical plans and O&M manuals will no longer be housed in the FM Plan Room. The plans are undergoing an evaluation by the University archivist where some will be transferred to University archives and the

remainder recycled. This transition period will carry us through the remainder of this fiscal year. Once all of the physical plans have been removed from the Plan Room the use of the large touch screen monitor with Meridian installed will be the primary means to view plans.

OFFICE OF UNIVERSITY EVENT & CONFERENCE SERVICES

Getting reacquainted with the staff:

Mikele St-Germain is now the Assistant Director for **Event Management**. Reporting to Mikele are recent hires Megan Dupre and Meghan Silvestri, who join Jody Soares and Michele Calnan in the 4-person work space on the second floor of 295 Lloyd. This group is rounded out by Lauren Clarke (Communications and Project Coordinator).

The **Event Support** staff, reporting to Will Battersby, are Linda McLoughlin, who has recently taken on the role of Event Support Supervisor, managing the work of Cherrie Deangelis and Jane Squittiare. They will be joined soon by a Field Coordinator in this area (applications are being reviewed). The **Field Supervisor's efforts will be focused on checking on** event setups, working with the client to make necessary last-minute changes, and contacting the appropriate divisional

worker or vendor to solve issues. In addition, particularly during busy times for University Event & Conference Services, the Field Supervisor may be called on to process work orders in FAMIS to help stay ahead of the many events that take place the spring and fall seasons.

Darlene Williamson continues to lead the **Scheduling** team of Karen Passeroni, Diane Richardson and Mary Martino. With plans to schedule all university space centrally in the 25Live scheduling system, look for changes to come. During this academic year, a great deal of time will be spent working with the 25Live vendor, CollegeNet, as well as with university colleagues in CIS, to refurbish our database and update our systems in preparation for a campus roll-out within the next year.

SAVE THE DATE

- ◆ Holiday Pic, Tuesday, November 24, 1:30 PM
- ◆ Food Drive Ends, Tuesday, November 24, 1:30 PM
- ◆ Holiday Breakfast, Monday, December 21, 8:30 AM
- ◆ Stewards' Meeting — 1st Wednesday of each month
- ◆ Labor/Management Meetings — 2nd Wednesday of each month

REMINDERS

Benefits Open Enrollment ends on November 23, 2015.

Staff that are making no changes to their benefits or that do not use a flexible spending account do not need to act, but all others need to **find the Open Enrollment task in their Workday** inbox and complete it not later than 11/23/15. Call Benefits with questions: x32141

Have a question about your **uniforms or safety goggles**,

Contact Stores Operations at x3-2734.

Continue to submit your Facilities Management [suggestions](#).

Complete 2015 *Wellness Rewards*: For more information go to <http://www.brown.edu/about/administration/human-resources/work-life/wellness-portal>

Bear Bargains Discount Program is a discount program for all members of the Brown community, with a Brown ID card.

HOLIDAYS

- ◆ November 26, Thanksgiving Day
- ◆ November 27, Day after Thanksgiving (for non-bargaining unit staff)
- ◆ Christmas/New Years/Winter Break December 24 through January 3
- ◆ January 18, Martin Luther King, Jr. Day

Newsletter Team: Donna Butler, Lichen Grewer, Tracy Mansour, Leah McCue, Amy Morton, Paula Penelton
Contributors: Jessica Berry, Pat Vetere, and Jack Wilcox

PROMOTIONS:

Vincent Abbaticola, Lead Electrician
 Mario Fernandes, Electrician, Maintenance
 Daniel Lapati, Custodial Shift Assistant
 Dennis McDavitt, HVAC, Lead
 Santino Marzilli, Electrician, High Voltage
 Jeffrey Simas, Custodial Shift Assistant
 Mikele St-Germain, Assistant Director, University Event & Conference Services

NEW HIRES:

Megan Dupre, Events Manager
 Craig Ellsworth, CAD Technician
 Jeff Sargent, Assistant Vice President, Facilities Operations
 Meghan Silvestri, Events Manager

RETIREMENTS:

Arminda Fernandes, Business Assistant



SUPPORT BROWN GIVES GREEN 2015

By sacrificing just ONE cup of coffee each week, you could contribute more than \$95 to the Brown Gives Green campaign!

DONATE ONLINE BEGINNING NOVEMBER 2nd BY VISITING THE HR WEBSITE!

CURRENT DESIGN approach from north path
<http://www.brown.edu/about/administration/human-resources/brown-gives-green-2014-charities-drive-together-giving-more>

This edition of *Facilities News* includes information regarding many of our efforts underway. It has been written to provide all Facilities Management employees with information regarding Department activities across the various offices. If you have any suggestions for articles or would like to contribute to *Facilities News* please contact FM_Newsletter@Brown.edu.