

## WVU EHS Hazardous Materials Team receives Innovation Award



Paul Porter, Bill Graham, and Joyce Addison

Environmental Health and Safety's Hazardous Materials Unit received an innovation award from the Campus Safety, Health and Environmental Management Association (CSHEMA) for their innovative method of managing highly hazardous materials.

Some chemicals have the potential to become shock sensitive if kept for too long, due to the production of peroxides. Shipment of these materials is forbidden by the DOT until they are opened and stabilized. Friction from opening the container to perform the

stabilization can detonate the material. Vendor costs to remotely open a container and stabilize the contents is nearly \$2000. The majority of this cost is for mobilization and set up of the specialized equipment and Reactive Specialists to perform the remote opening. To ensure the safety of WVU researchers and control the costs associated with managing these time sensitive materials, EHS Hazardous Materials Unit retrofitted explosive day boxes to manage these materials in the labs until at least seven highly hazardous materials are in accumulation. This reduces the number of times the high hazard team needs to be deployed to campus.

From 2012-2016 the costs associated with stabilization of these materials was \$73,647. On the average, almost \$15,000 a year was being spent to manage these materials from 2012 to 2016. Since the explosive day box idea was implemented zero was spent in 2017 and nothing so far this calendar year. This coming November will be the first time the Reactive Specialists will be needed on campus since November 2016. The cost for the upcoming visit is estimated to run \$2050.

# Back-to-School Supplies Drive Helps Area Children

Peggy Runyon and Lindsay Bailie

WVU Staff Council Welfare Committee organized a back-to-school supply drive for children of WVU employees who needed a little extra help this school year. Amy Matuga is the chair of the Staff Council Welfare Committee. She, along with staff council members Peggy Runyon and Melanie Nichols, collected donations from various WVU departments. Over \$300 in cash and several hundred dollars' worth of supplies were donated. Chief William Chedester of the University Police Department and Chief Corkrean of Granville Police Department purchased backpacks. Children were asked their favorite characters and colors, and all efforts were put forth to make sure backpacks matched each child's preferences! The Granville Police Department also gave a monetary donation to purchase several pairs of socks for each child.

The Staff Council Welfare Committee was able to assist over 20 area children with the donated items.

A special thanks to all who had a hand in this project, including those who opened doors, carried supplies, donated materials, sorted materials, and made sure items were purchased, packed, and delivered!



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# GET THE FACTS

## 2018 Fiscal Year Recycling

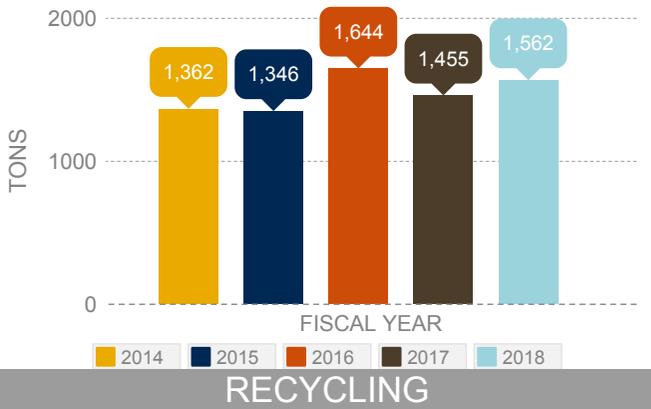
### Recycled

Over 1,500 tons of material in 2018

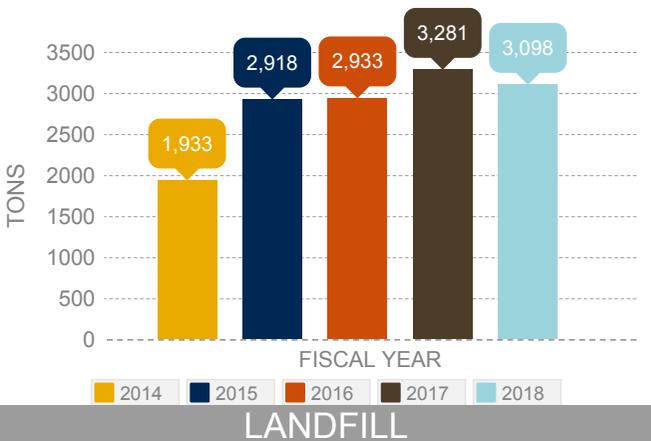


### Saved

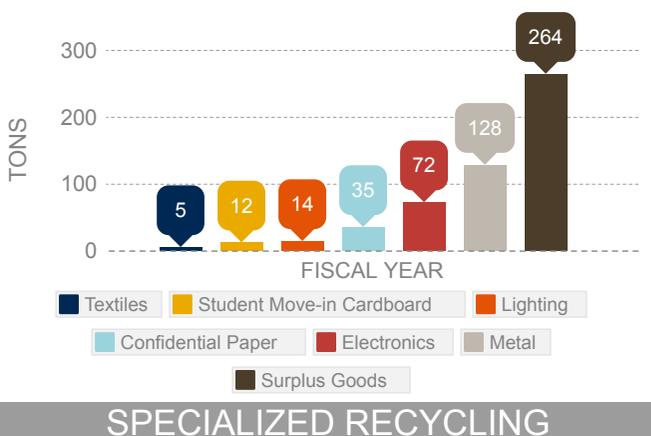
\$100K in cost avoidance from landfill tipping fees by recycling



WVU saw a 60% increase in recycling tonnage after implementing the single stream recycling and "empty-your-own" trash collection system. Tonnages went down slightly in FY2017 and stabilized in FY2018 as expected.

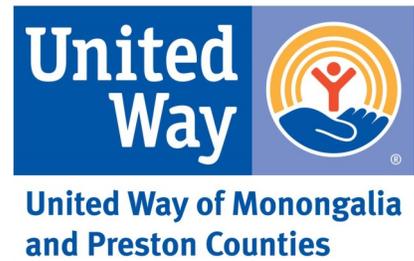


Landfill waste can vary from year to year depending on factors such as enrollment and staff size, major events held, and construction projects happening on campus.



Surplus property jumped from 40 tons in FY2017 to 264 tons in FY2018. We use a standard weight per item to determine total tonnage. This year we redistributed property back to the Morgantown and Kesyer campuses and donated to 12 non-profit organizations and local schools.

# CHANGE STARTS HERE.



## WHY GIVE TO THE WVU UNITED WAY CAMPAIGN?

Participating in West Virginia University's United Way campaign is a powerful way for the WVU community to come together and show that we are committed to improving the quality of life and economic opportunities for all the people who live and work in Greater Morgantown.

The WVU community recognizes that United Way occupies a unique role among all the nonprofits in the area: the organization is changing the odds for families and communities by working toward lasting solutions, not short-term charity, focusing on education, income, and health – the building blocks for a good life.

United Way gets results by bringing people and organizations together to create innovative solutions to the most pressing challenges in our region.

Last year, contributions from West Virginia University faculty and staff helped change the story for over 32,000 individuals.

## HOW ARE CONTRIBUTIONS DISTRIBUTED?

Contributions that are not designated for specific agencies or employee pledges are allocated to the 25 agencies according to the recommendations of a 48 member Citizens' Review Committee. Committee members make their recommendations after spending weeks visiting each agency, and reviewing services and financial operations. Final approval of the recommendations is made by the United Way volunteer Board of Directors.

## DOES ANY OF THE MONEY RAISED GO TO UNITED WAY WORLDWIDE?

No. No donor dollars go to United Way Worldwide programming.

## WHAT IS THE COST OF ADMINISTRATIVE OVERHEAD?

The local United Way administrative overhead is approximately 10.9 percent, a percentage cost much less than when member agencies do separate fund-raising.

## FOR MORE INFORMATION, PLEASE VISIT:

<https://unitedway.wvu.edu/>

<http://www.unitedwaympc.org/>

**Facilities & Services' United Way ambassadors are planning several fundraisers for the campaign season, and your support is greatly appreciated.**



## **Prize Raffle!**

Prize donations are currently being collected and include:

**Rec Center Membership • Zip-Line Tour  
Olive Garden • Regal Cinemas • much more.  
Tickets to be sold in multiple F&S locations in October.**



## **Pepperoni Roll Lunches**

**\$5.00**

**Julia's Pepperoni Roll • Chips • Cookie • Fruit**



## **Snack Sales**

### **Candy Bars • Chips • Cookies**

**PDC Building • University Police • Marina Tower**

**(Additional Locations TBD)**

### **Facilities & Services' United Way Ambassadors:**

**Lindsay Bailie**    [lindsay.bailie@mail.wvu.edu](mailto:lindsay.bailie@mail.wvu.edu)

**Melanie Nichols**    [Melanie.nichols@mail.wvu.edu](mailto:Melanie.nichols@mail.wvu.edu)

**Marcie Milans**    [marcie.milans@mail.wvu.edu](mailto:marcie.milans@mail.wvu.edu)

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# Hydraulic Inspection Vehicle Explorer (HIVE)

## Specifications

- Waterproof
- Wi-Fi transmission
- 4x4 drive
- \$570 vehicle/camera



## Observation Range

- 24-inch diameter:  
~250 feet
- 18-inch diameter:  
~150 feet
- 12-inch diameter:  
~50 feet

## What is It?

The hydraulic Inspection Vehicle Explorer (HIVE) is an enhanced radio-operated car, which allows inspections of culverts and pipes to determine if any repairs or replacements are needed. Often the culverts and pipes are too small or difficult for a person to enter and visually inspect. The vehicle is operated via radio control with a camera and lights to record and view conditions. It has the potential to discover damage to pipes underneath roads long before the problem becomes an emergency.

## Development

The HIVE unit was modeled from MnDOT District 6 design. The district was contacted after some internet research. They were very helpful with providing a parts list, and detailed instructions for modifying and wiring new components of the car.

## Better Inspections, Better Data, Better Decisions

Previously, WVU relied on the local utility board and their equipment to perform these types of inspections. Similar devices can cost upwards of \$40,000 and have limited accessibility. The HIVE unit is extremely versatile and requires less manpower to operate, making it more efficient than its counterparts. The HIVE is also cost-effective: More routine inspections could reveal problems that require simple repairs costing \$1,000's prior to a full system replacement costing \$100,000's.



Clear pipe 20 feet in.



Trees' roots 100 feet in.

## What's Next?

The HIVE can be used to inspect other areas with limited accessibility such as steam tunnels, crawl spaces, or other confined spaces. It can be of great benefit to all departments of Facilities and Services.



## Student Move-In Cardboard Recycling

Every August, WVU's sustainability office gears up for the increased amount of cardboard waste generated during the student move-in process. Additional containers were placed outside residence halls to collect the expected large volumes of cardboard, and a team of WVU employees and student volunteers helped collect and flatten boxes during move-in day. This year, through a coordinated effort with Office of Sustainability, Roads & Grounds, and Operations, the university recycled 9 tons of cardboard!



Facilities & Services teams took home two trophies in the Strategic Initiatives Bowling Tournament. "Scheduled to Win" teammates Michael Zielinski, Marcus Bradley, Luke Cunningham, and BJ Adams topped the score chart with 1,717 combined points, earning the King Pin Champions trophy.

"Three Roses and a Thorn" members Randy Hudak, Traci Knabenshue, Stephanie Toothman, and Marcie Milans won Best Sportsmanship.

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*Marcus Bradley suddenly passed away on September 25th. He will be deeply missed among his friends, family, and colleagues.*

**The Scheduling Department  
scheduled over 6,500 course  
sections on the main campus  
for the Fall 2018 Semester.**

**Current Student Enrollment:**

**Undergraduates 21,391**

**Graduate Students: 4,317**

**Professional Students: 1,382**





## Happy Retirement to Kirk Martin!

A celebration was held September 4th in honor of Kirk's 43 years of dedicated service to WVU as a Campus Service Worker. He spent the last 23 years in Stewart Hall. The Nuts & Bolts committee wishes him well!

ANNA & ELSA, Dan Servian, PDCS



MYA, Nancy Smith, Operations



CHINA DOLL, Dereck Palmer, Operations



SAMSON, Sherri Hostuttler, Admin. Support

**Thank you to all Facilities & Services staff for your hard work making Student Move-In and Welcome Week events successful!**

## Recent excerpts from the Recognition Wall at [Gobeyond.wvu.edu](http://Gobeyond.wvu.edu)

Jerry Howell

1 month ago

Sent an eCard to Gregory Howdysshell



I want to express great appreciation to my Facilities Management Zone 4 Maintenance Team for all their efforts making the Summer Residence Hall Room Turnover, Conference Season and Fall Student Move-In events a success at the Evansdale Residential Complex and Lincoln Hall!!! :-)

Nathan Harlan

1 month ago

Sent an eCard to Keith Pyles



Keith and Sarah, My sincere thanks for your efforts with Welcome Week and in general for your support of Adventure WV. I know you often go the extra mile for us so that we can in turn do the same for our students. Respectfully, Nathan

Randal Hudak

1 month ago

Sent an eCard to Nathan Barkley



I wanted to thank you for volunteering to assist students at the PRT platforms during welcome week. Moving about campus and riding the PRT can be stressful for our new students. Taking time to assist our students shows your dedication to One WVU. Thank you for making a difference.

### Nuts & Bolts Committee Members:

Lindsay Bailie  
Amea Blake  
Shayna Boyles

Corissa Greer  
Keith Lawrence  
Ben Maatman

Marcie Milans (Chair)  
Shannon Mundell  
John Principe

Keith Pyles  
Stephanie Toothman



**2018 Facilities & Services  
Employee Summit**



# Say Cheese!

