

BSU C4/Sustainability Accomplishments FY 2019



Successful Continuation of Annual Events



❖ **Fall 2018 Shred Day**



❖ **Annual Food Day Symposium**

- Shred Day- The campus shredded about 8-9,000 lbs. of paper or the equivalent of 4-4.5 tons.
- 8th Annual Food Day Symposium & Mid-Atlantic Food Recovery Summit- BSU along with the MD Dept of Environment and U.S. EPA collaborated on the summit focused on recovering excess food waste before it ends up in landfills.

Academics: Sustainability Libguide



The screenshot shows the LibGuides interface for Bowie State University's Thurgood Marshall Library. The page is titled "Sustainability & Green Computing" and includes a search bar. The main content is organized into several sections:

- Why this LibGuide?**: A sidebar menu with links to "Purpose of the Guide", "Articles published in...", "Online Resources", "Formal Styles", "Evaluating Websites", "Bowie Library Resources", and "How to Find Library Resources".
- Purpose of the Guide**: A text box explaining that green computing, environmental impact, and sustainability efforts are critical social and technological challenges. The guide's purpose is twofold: to provide curriculum support and resources to BSU students in Computer Science 110 - Computer Literacy & Applications, and to serve as a resource for other students and the public seeking credible resources.
- For Students in Computer Science 110 - Computer Literacy & Applications**: A section titled "Emerging Issues Topic:" which states that the course supports BSU's sustainability efforts. It lists student projects, including a spreadsheet for data processing, a database design, and a formal paper on emerging sustainable technology issues.
- Patricia Hughes**: A contact card for Patricia Hughes, located in Room 215 of the Computer Science Building, with an "Email Me" button.

An online library resource for sustainability was created and posted on the BSU website to provide several links and resources for environmental sustainability related articles and info.

Continuation of Water Fountain Retrofits



Additional water fountains were retrofitted.

Activation of Electric Car Charging Stations



Stations were fully activated in September and 4 parking spaces were allocated to charge electric vehicles. Spaces are also marked.

AASHE Conference Attendance- Pittsburgh, PA



BSU staff, along with a graduate student, participate in the annual AASHE Conference & Expo in Pittsburgh. This was the first time a grad student attended the conference.

Second Nature Higher Education Climate Leadership Summit- Tempe, AZ



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Campus-wide Homecoming Clean Up



Over 100 (mostly student) volunteers collected over 1 ton (2300 lbs.) of trash on the campus following Game Day Saturday.

Minority Entrepreneurs in Sustainability

C4 in collaboration with the Entrepreneurship Academy Presents:

Minority Entrepreneurs in Sustainability Panel Discussion

Date: Thursday, November 15
Location: Beacon Room,
Center for Natural Sciences and Mathematics
Time: 11:00am - 12:20pm

Join us to hear entrepreneurs talk about their businesses and how they are based around sustainability and sustainable practices.

Samples from our special guest vegan chef!
Light refreshments will be served.

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Bon Vegan



During Global Entrepreneurship Week, C4 hosted a panel discussion around the topic of minority entrepreneurs in sustainability. Six locally based entrepreneurs discussed their businesses and how they are based around principles of sustainability.

Additional Solar Panels Installed Across Campus



The Student Center and FPAC rooftops received solar panels, which account for an additional estimated 2% of campus energy needs.

Installation of Additional Energy Dashboards



WGL



AlsoEnergy

- CNSMN energy dashboard was activated & is currently working
- WGL solar energy dashboards: Lot D, Marshall Library roof, Athletic field, James Complex roof
- AlsoEnergy solar dashboard for Student Center
- AlsoEnergy solar dashboard for Fine & Performing Arts Center

Decrease of Paper Usage in Standard HR Processes



HR no longer generates paper student contracts.
Salary letters are also now sent electronically.

BSU Continues to Invest in Green Cleaning Products



ABM contracts with The Green Laundress (eco-friendly cleaning products) as part of their cleaning supply. The owner & founder is a BSU alum.

Community Participation- 10th Annual Bowie Green Expo



BSU staff members participated in the free, family-fun, weekend event with vendors designed to educate and empower area residents to create a more sustainable and healthy lifestyle & reduce the environmental footprint.

Space-inspired Solar Technology Unveiled at BSU for Transportation Shelters



The SolGreen Casini™ Power Hub is a first-of-its-kind technology using solar energy to power up mobile and other electronic devices, lighting and other features using a patented powerful PVSE system that can integrate with most existing outdoor bus shelters was launched at BSU.

CNSMN Receives LEED Platinum Certification



The U.S. Green Building Council awarded its platinum Leadership in Energy & Environmental Design (LEED) designation, its highest designation for a building.

Keeping Bowie Clean



A new, dynamic student run group striving to make BSU a cleaner campus while encouraging community involvement. Campus wide clean ups are held every month with positive results.

Efficient Infrastructure Upgrades in Athletic Facilities



New interior doors & windows were placed in James Gym; work is underway on replacement of 6 boilers. LED lighting was installed in James arena and McKeldin; Updated restrooms in McKeldin; Indoor pool (used partly for health & wellness) is being restored.

Creation of the BSU Resilience Plan

BOWIE STATE UNIVERSITY
CAMPUS RESILIENCE ASSESSMENT

Congratulations! You have taken the first step in making your campus stronger, safer and more resilient. Explore your overall results below, or scroll down for results by category.

Remember:

- Your scores are not definitive rankings.
- Scores for the same campus can vary widely depending on who completes this assessment and when.


Use your scores as a prompt to think deeply about your campus, start conversations, make plans, and take action.

You can [download a PDF](#) if you'd like to print or save your results.

Category	Item	Resilience Rating
Social equity & governance	Diversity	4
Infrastructure	Emergency preparedness	4
Infrastructure	Energy stability & reliability	4
Health & wellness	Food systems - equity	4
Infrastructure	Housing & other buildings - structural risks	4
Infrastructure	Transportation - resources	4
Infrastructure	Transportation - safety	4
Infrastructure	Water supply & management - infrastructure	4
Ecosystem services	Campus property - land use & public access	3
Social equity & governance	Civic engagement & participation	3
Health & wellness	Food systems - access	3
Health & wellness	Health care services - individual & collective wellbeing	3
Infrastructure	Housing & other buildings - human needs	3
Economics	Institutional finances	3
Health & wellness	Sense of place	3
Infrastructure	Water supply & management - consumption	3

As part of the 2015 Climate Commitment BSU signed, we are to implement a plan and prepare for the inevitable extreme changes in climate, and how to prepare and mitigate those losses.

Earth Week: C4 Enforces Taking the Electronic Pledge!



CLIMATE COMMITMENT C4
SUSTAINABILITY COMMITTEE

Pledge:

I support Bowie State University in their effort to create a sustainable campus that operates under sound environmental principles. It is important to monitor our use of energy and to understand how our conservative efforts will improve future generations. By supporting Bowie State University's endeavors to improve the environment I pledge to do the following:

- I will turn off lights and monitors whenever possible
- I will recycle plastic bottles, cans and paper
- I will print documents double-sided whenever possible and send documents electronically as much as possible
- I will participate in recycling efforts on campus
- I will encourage the use of carpooling and alternate forms of transportation
- I will make a conscious effort to reduce my daily water usage

Please circle your affiliation with Bowie State University:
(Community Member, Faculty, Staff, Student, Other)

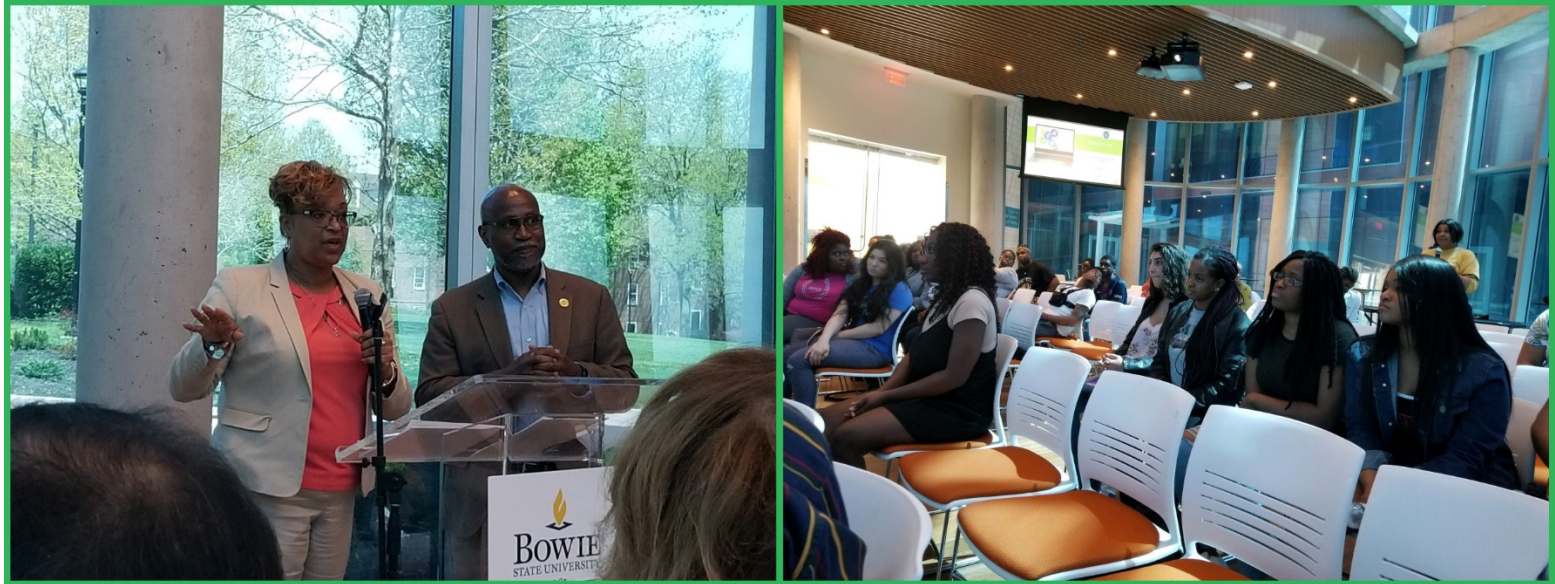
Printed Name: _____

Signature: _____ Date: _____



C4 set out an Electronic Pledge table where BSU community members could pledge their commitment. Games and prizes were also part of the pledge signing. The pledge is located on the BSU Sustainability website.

Earth Week: U.S. EPA and PG Dept. of Environment Special Presentation



Officials from both agencies presented on food waste, reduction of waste/waste management, composting and recycling from a national and county-wide/local perspective.

Earth Week: 5th Annual Earth Day Poetry Slam



Students shared poetry and spoken word in a judged competition relating to Environmental Justice and other Sustainability topics. Top 3 winners received \$175, \$125, or \$50 respectively.

Earth Week: Campus Clean-Up



Keeping Bowie Clean collaborated with other student groups to clean campus after TorchFest week, collecting more than 60 lbs. of trash.

BSU Bikeshare Program



Bikeshare coming to BSU! The new program for students and employees is slated to be available over the summer.

Beautification of Steam Plant area



Steam plant area was environmentally enhanced with natural vegetation to include new trees, shrubbery and berms. The project was to beautify the area and increase our trees and plant life, which help assist in air purification and lower our carbon footprint.

Updated Transportation Fleet



BSU purchased new multi-passenger vehicles (bus/van) to add and/or replace existing vehicles in our fleet which are much more fuel efficient and environmentally friendly. The coach bus meets the newest EPA regulations and greenhouse gas emissions standards and can recycle fuel before emitting into the air.



Special Thanks to:

C4 Committee

Office of Auxiliary Services

Office of Facilities Management