

BSU C4/Sustainability/GA Accomplishments FY 2022



Two major Campus Shredding Events

Produced a total of @ 15 tons of recycled paper!

Mid-August 2021, we offered the campus a full 2 weeks for campus members to dispose of paper material from offices & storage areas using different zones and DBM (designated bin managers).
15,420 lbs (7.71 tons) of paper shredded

June 2022, we followed a similar process using bins without zones and DBMs.
14,020 lbs (7.01 tons) of paper shredded



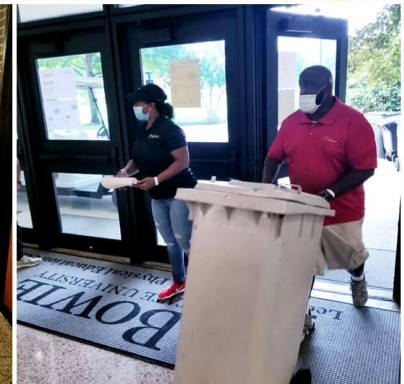
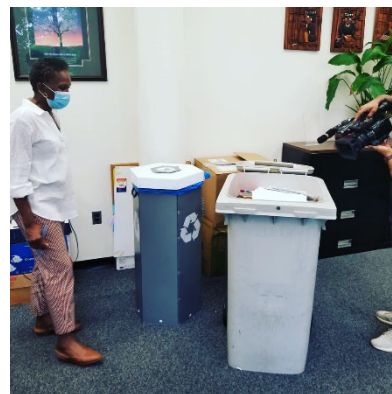
SUMMER 2021 PAPER SHREDDING EVENT

It's time to shred
all those papers, files and receipts

AUGUST 9-20
(SEE WEBSITE FOR SCHEDULE, ZONE DESIGNATIONS & FAQs: **BOWIE STATE UNIVERSITY - SHRED DAY**)

- Properly dispose of confidential documents from remote working
- Clean your offices & storage areas before the semester starts
- Get rid of paper documents from home

Each building will have bins for paper items during the scheduled week. The campus will be split into three Zones.
Zones 1 & 2: August 9-13
Zone 3: August 16-20



8/25/2022

C4 takes first ever campus sustainability walking tour



Checked out & discussed sites such as:

- Student Center sustainable features (dining hall)
- Examples of stormwater management facilities
- **Walked onto Green Roof of Student Center (solar panels)**
- Solar charging tables
- Bulldog bicycle rack
- Toured and discussed the interior & exterior features of the CNSMN Bldg with Building designer- Mr. John Hammond



8/25/2022



Chesapeake Watershed Conference



The annual Chesapeake Watershed Forum was November 1-5 and was virtual. 30+ BSU students registered & those who attended received scholarships to attend after applying.

The forum featured workshops, sessions & inspiring speakers, plus in-person activities, professional networking and a boat tour of the Anacostia River.

8/25/2022

Win a Scholarship to the Chesapeake Watershed Forum!



- Learn about the Chesapeake Bay from all perspectives
- Become empowered & environmentally active in your community
- Put it on your resume! **FREE** for BSU Students!



Apply by Oct 15:



Questions?

Email Dr. Anne Wiley:
awiley@bowiestate.edu

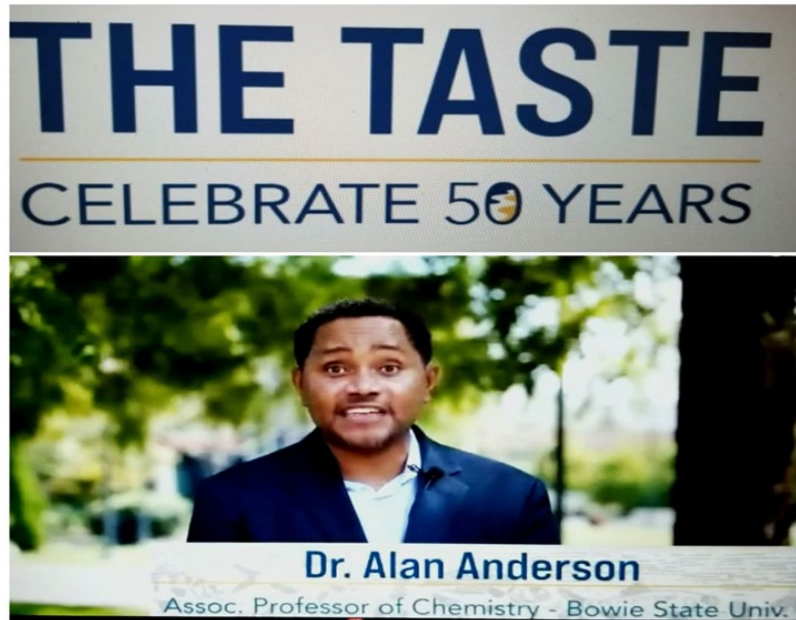
BSU Sponsorship by:



Full Schedule:



Veteran C4 member & instructor, receives prestigious award and continues water monitoring project



Dr. Alan Anderson was chosen as the 2021 Maryland Watershed Champion for the prestigious award from the Alliance for the Chesapeake Bay due to his help in setting up a student-led water quality monitoring program, along with other various environmentally-related student seminars.



Continuation of water monitoring project with the Alliance where BSU students monitor water quality & collect data from a nearby waterway that feeds into the Chesapeake Bay. The data is being used by the MD Dept of the Environment.

Formed NEW partnerships



BSU Student Green Ambassadors

- Largest & most active group
- First time with officer positions
- Drastically increased campus profile
- Significantly increased student interest & social media presence



8/25/2022



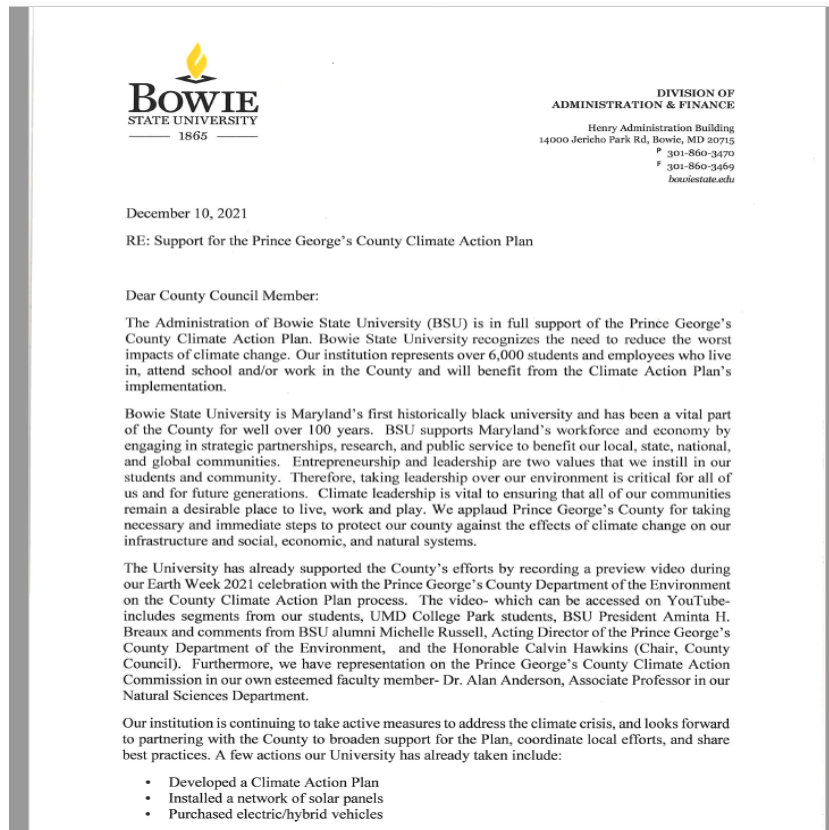
Green Ambassadors Awareness/Recruitment Events



- Table Events
- Organizational Fair
- Interest Meetings

Signed administrative letters of support for climate action

BSU sent a two page letter in support of moving the Prince George's County Climate Action Plan draft plan forward before the County Council – December 2021



8/25/2022



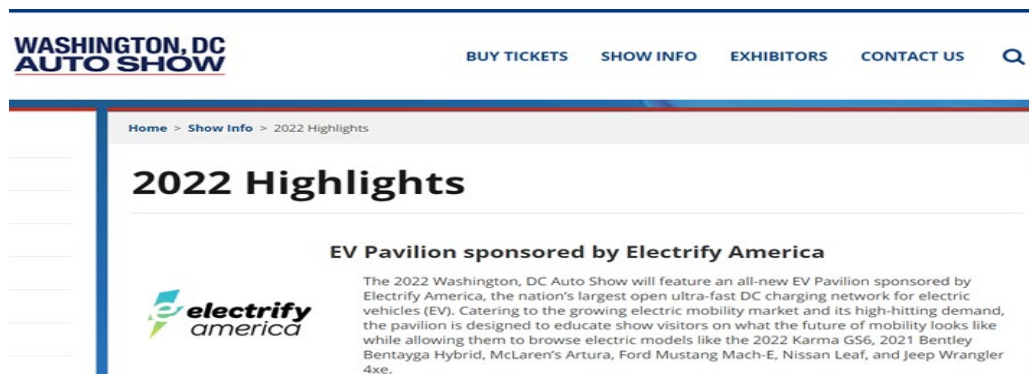
BSU signed on in support of Prince George's County Public Schools Climate Change Action Plan – April 2022 committing to:

- transition to 100% clean, renewable electricity by 2030,
- 100 percent zero waste by 2030, and
- all other energy usages, plus transportation by 2040

BSU representation at clean energy vehicles presentation



The Greater Washington Region Clean Cities Coalition invited Bowie State representatives to the 2022 Washington Auto Show free of charge to represent our support at a presentation showing forward thinking, clean, sustainable future through clean energy vehicles.



First BSU Climate Career Fair!

BSU held it's first such specialty career fair (virtually)

- Over 20 national, state, local & non-profit agencies
- Offering of possible internships and job opportunities
- Over 130 students of all disciplines who participated.

The event also featured a roundtable discussion featuring President Breaux, UMCES President Peter Godwin, and Secretary of the Environment Ben Grumbles on issues of climate change in Maryland.



Virtual
BOWIE STATE UNIVERSITY
February 16, 2022
1-3:30pm

Features federal and local agencies!
All BSU students & alums are welcome!
plenty of internships & fellowships also available

Roundtable featuring President Breaux, Secretary (of Environment) Ben Grumbles, and UMCES President Dr. Peter Goodwin



Registration for students and employers here



Virtual
Co-sponsored by MD Dept of the Environment

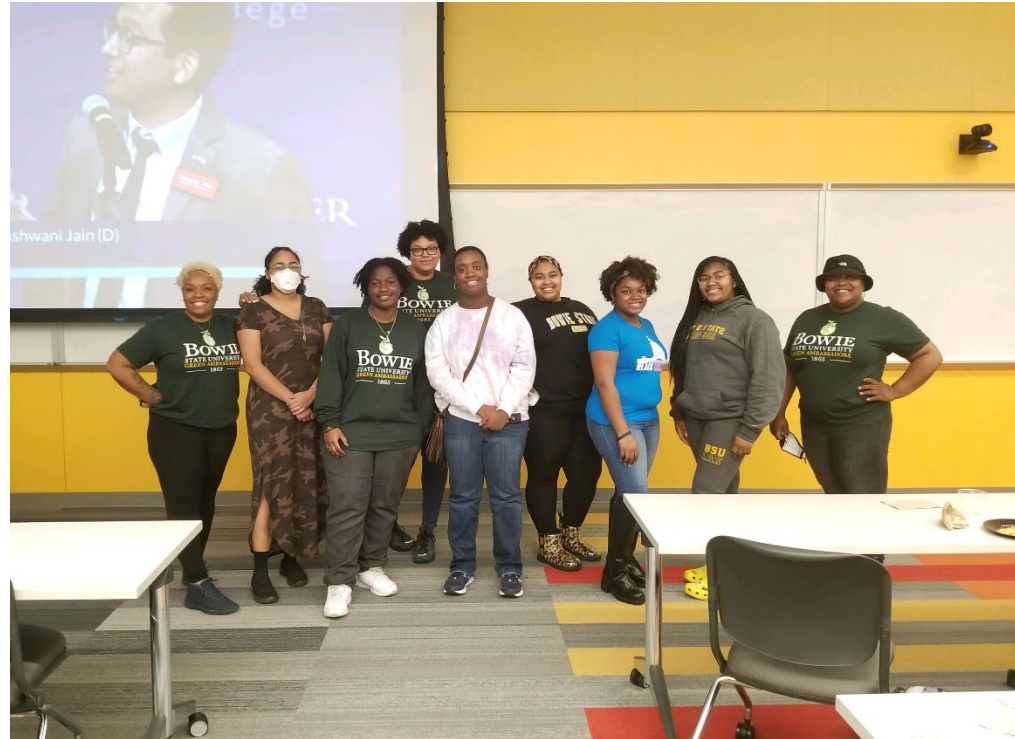
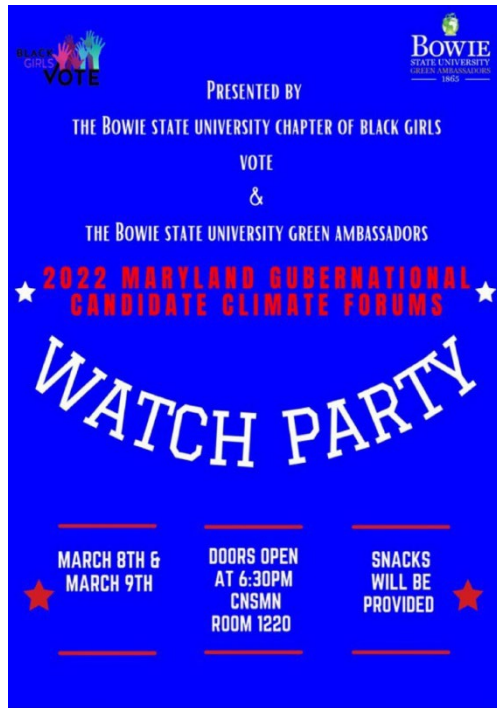
Bowie State University hosts Citizens Climate Lobby Mid-Atlantic Regional Conference



Citizens Climate Lobby is a powerful advocacy group. The conference featured tables w/ experts on topics such as national security & climate crisis, insights on work at EPA, and scholarship opportunities to amplify your future. There was an open forum followed by a Birdwatching tour from renowned Birder-Tykee James

8/25/2022

C4/BSU-GA – Watch Party (2 nights) *Gubernatorial Climate Discussions*



The Green Ambassadors joined by Black Girls Vote following a model set by the Maryland League of Conservation Voters, hosted a collegiate watch party for the two night discussion (March 8 & 9) around the climate crisis. There was food & fun while watching the 10-12 candidates inform voters how they prioritize climate & environmental issues facing Maryland.

Gubernatorial/Lieutenant Governor candidates visit Bowie State to discuss climate change & other issues



Chat With a Candidate



Please join us Monday, April 18, 2022 @ 1:30 in The Student Center, Ballroom B & C as we welcome Maryland Lieutenant Gubernatorial Candidate, Monique Anderson-Walker, the first African-American woman elected to Prince George's County's 8th Council District



Candidates running for Governor (& Lt. Governor) in Maryland visited BSU per invite from the Green Ambassadors to discuss their proposals or showcase their dedication to mitigating climate change as well as other important issues to Marylanders.

- Aswani Jain sat down with a small group & had an informal chat
- Monique Anderson-Walker also had a small discussion with students
- John King & his campaign staff attended & worked in the tree planting event for Earth Week

Clean up events

Students (led by the Green Ambassadors) engaged in 4 different clean up events from October- April:

- **Campus– October 2021**
- **Fox Hill Recreation Park--- October 2021**
- **Fox Hill Recreation Park– April 2022**
- **Campus– April 2022 (Earth Week)**



Campus clean up events were scheduled around Homecoming & Earth Week. The off campus clean up featured a nearby park with waterways that eventually feed into the Bay. The Alliance for the Chesapeake Bay sponsored & partnered in all of the events.



EARTH WEEK 2022: *Nature Walk*



Participants took a short hike on a nature walk across from campus guided by a Naturalist from the MNCPPC. The land contained a swamp, a marsh, wild geese, & signs of beavers & frogs. The walkers learned survival skills, the do's and don'ts of hiking, and spotted poisonous vegetation, beaver lodges, wild yucca and a bald eagle among other nature features.

8/25/2022

EARTH WEEK 2022: *Movie on the lawn*



Students, faculty & visitors gathered on McKeldin lawn, provided with snacks & watched a series of short educational clips ranging from environmental racism and justice issues around the world, the urgency of climate change & things we can do to save our planet.



8/25/2022

EARTH WEEK 2022:

Arbor Day Tree Planting



Six native trees were planted by close to 40 volunteers who dug holes, planted trees, watered, staked & fenced the trees, mulched the area & also provided additional trash pick up in the area. This also helps with an application to become a tree designated campus.

Gubernatorial candidate John King & staff, MDNR representative and officials from the Alliance for the Chesapeake Bay also attended and volunteered their labor efforts.

EARTH WEEK 2022: *Peace Park Celebration/ Block Party*



The Peace Park area brought people from all over campus with an 'enjoy outdoors' block party theme featuring music, a renowned Vegetarian soul food truck & outdoor games. The event provided BSU constituents the opportunity to provide feedback on ideas to improve the area to make it more usable and desirable for students. Co-sponsored by the Alliance.

8/25/2022

Peace Park Revitalization Plan

A forgotten parcel of campus meant to serve as a place of peace & serenity will be revitalized to become a small, aesthetically pleasing area which will promote enjoyment of the natural environment and overall wellness



8/25/2022

Grants:

Bowie State Office of Sustainability continues to apply for funding applicable to our campus sustainability goals

MEA FY22 Resilient Grant Proposal

In June, Bowie State was awarded a \$100k grant from Maryland Energy Administration to fund a feasibility study on our campus working with Optimize Renewables. LLC to identify DERs (i.e. microgrids) to help improve resilience & sustainability and reduce energy burdens which will enhance energy equity in Maryland communities facing challenges.



PERSONAL UTILITY GOLF OPERATIONS PARTS & SERVICE BUILD INNOVATION

INFORMATION REQUEST
DEALER LOCATOR



CLUB CAR LAUNCHES 2021 SUSTAINABILITY GRANT PROGRAM

THE 2021 SUSTAINABILITY GRANT OFFERS COLLEGES AND UNIVERSITIES THE OPPORTUNITY TO EARN A CLUB CAR VEHICLE TO ADVANCE CAMPUS SUSTAINABILITY EFFORTS AND REDUCE CARBON EMISSIONS.

Club Car Grant

The BSU Sustainability Office along with hundreds of other colleges submitted a grant to receive an electric vehicle to add to our transportation fleet. A small school in California received the grant

Maryland.gov State Directory State Agencies

MARYLAND Energy Administration

Energy Finance
Incentives
Resources
Technical Assistance

FY22 Resilient Maryland Program

Exploration of nearby BSU/MD owned trails for potential

In May, BSU worked with the Alliance to host a site visit with stakeholders of the trails across from campus owned by BSU, MDNR, and MNCPPC to help identify potential partnerships and opportunities for the space in the future.

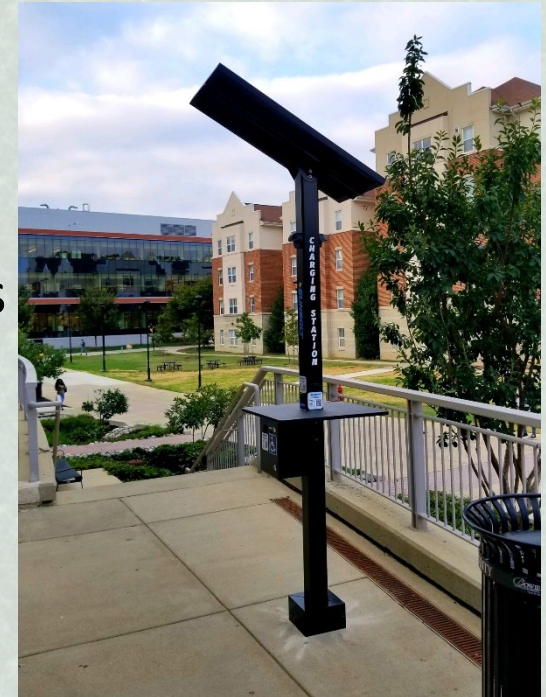


Purchases: Solar structures



BSU purchased 10 new small solar charging units to sit next to outdoor benches

BSU purchased 3 stand up solar charging stations



BSU purchased it's first known solar park/street light to be placed in the Peace Park area of campus.

Additional Purchases

BSU also purchased educational/informational ground signs for two of our storm water management facilities



Bowie State University Sustainability Efforts

BIORETENTION AREA

Keeping pollution out of our local waterways

Most of the rain that falls on walkways, roads, and sidewalks on and around the BSU campus is collected by our storm drain system. However, storm water can be harmful to nearby waterways and have a negative effect on the Chesapeake Bay.

These bioretention ponds serve two primary functions:

- 1**
Filter and prevent polluted water containing material such as oil, grease, toxic metals, bacteria and sediment created by rain from running directly into area streams and eventually into the Chesapeake Bay
- 2**
Slow down storm water flows during heavy rainfall or long periods of rain, preventing localized or downstream flooding

The bioretention includes a mixture of rocks, organic matter and native plants including day lilies, blue flag iris, black-eyed susans and dogwoods, which are adapted to local conditions and therefore require very little care and maintenance. The plants also provide a significant habitat to native animals such as birds, butterflies and other wildlife. The pollutants go into the ground and into the plants instead of ending up in the local streams and our treasured Chesapeake Bay.

This bioretention area is just one of over 60 total on the BSU campus. In addition to treating tens of thousands of gallons of storm water each year, the bioretention area provides beautiful scenery to complement our LEED certified buildings on campus.

NATIVE GRASSES, SHRUBS, AND FLOWERS

WATER FLOW

IMPERVIOUS SURFACE

PERFORATED UNDERDRAIN

RETENTION AND FILTRATION ZONE

IMPERVIOUS SURFACE

Thanks to:



C4 Committee

Office of Auxiliary Services and Conference & Event Services

Office of Facilities Management

Office of Greek Life

University Relations and Marketing

A HUGE, SPECIAL THANKS to the:



BSU GREEN AMBASSADORS and
ALLIANCE FOR THE CHESAPEAKE BAY!!