
UNIVERSITY OF
ARKANSAS
SUSTAINABILITY
REPORT 2023
OFFICE FOR SUSTAINABILITY

INSPIRATION

INTEGRATION

TRANSFORMATION

OFFICE FOR SUSTAINABILITY

The mission of the OFS is to motivate, facilitate, and coordinate responsible practices through partnerships with students, faculty, and staff across all campus departments. The OFS uses the campus as a living laboratory by overseeing the implementation of the University of Arkansas environmental goals. These programs are within U of A Facilities Management.

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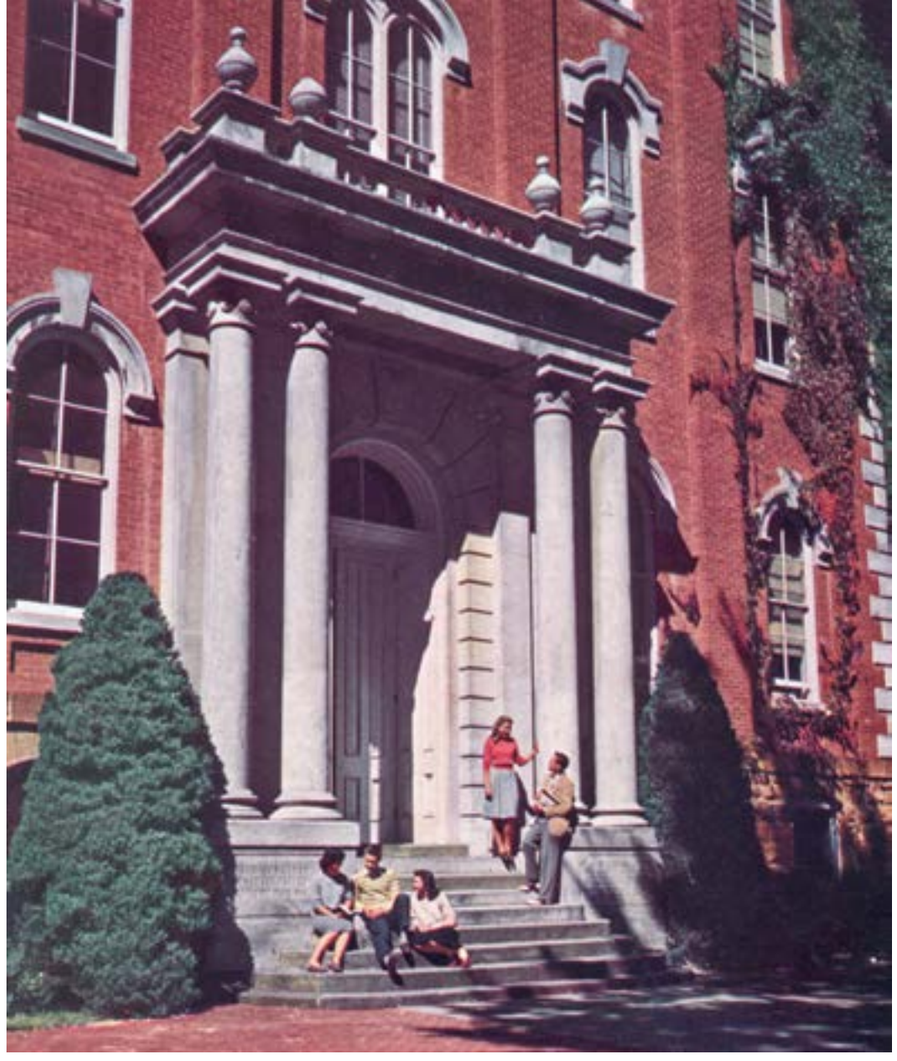


FOR INQUIRIES, CONTACT SUSTAIN@UARK.EDU AND FOLLOW US @SUSTAINUA

RECOGNITION

STARS GOLD

Bee Campus USA

BICYCLE FRIENDLY UNIVERSITY GOLD

OFFICE FOR SUSTAINABILITY

STAFF

Eric Boles
DIRECTOR

Eric Boles has been the Director of the Office for Sustainability since 2015. Prior to this role, he completed a Master of Biological and Agricultural Engineering and co-founded Paradigm Sustainability Solutions. Eric specializes in life cycle analysis, urban design, and ecological restoration.

Emma Armendariz
ACTIVE TRANSPORTATION COORDINATOR

Emma Armendariz is the newly hired UA Active Transportation Coordinator, guiding our campus transportation systems towards a brighter future and advocating for communities where people can safely pursue active lifestyles.

Todd Hansen
OFFICE MANAGER

Todd wears many hats as the office manager— he serves as the leading graphic designer for the OFS and has a large role in communications and office management, as well as bicycle infrastructure and biodiversity on campus. He commutes to work via bike every day and is an avid bicycle advocate.

SUPPORT

Melissa King
BIODIVERSITY COORDINATOR

Melissa is the biodiversity coordinator for the OFS. She manages several native plant and pollinator beds on campus.

Caroline Cheek
STUDENT ENGAGEMENT

Caroline is the student engagement intern and helps with OFS communications and events.

Ezri Rathbun
DATA COLLECTION & REPORTING

Ezri is the data collection intern helping with the Sustainability Tracking, Assessment, and Rating System application.

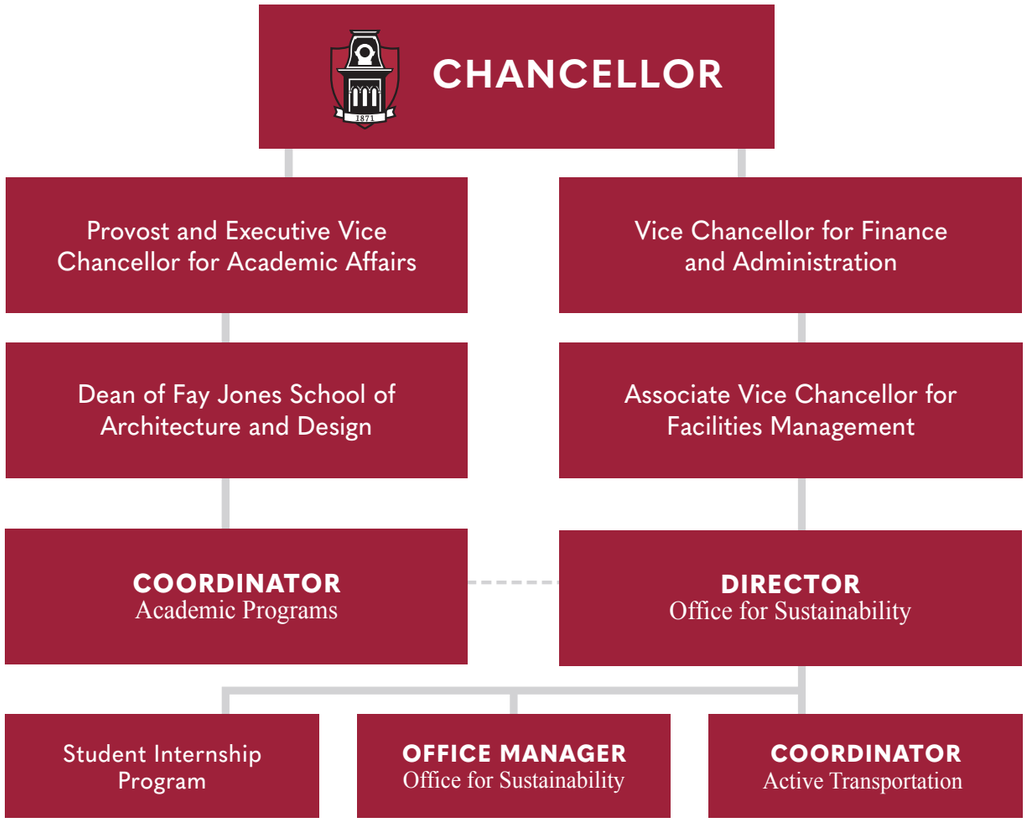
A LETTER FROM THE DIRECTOR

Welcome to 2024! The recent pandemic and extreme weather has reaffirmed the need to design sustainable, resilient communities. At times, these global challenges feel overwhelming, so we identify local actions we can take. The good news is that every day at the University of Arkansas is an opportunity to make decisions that positively impact our campus, town, state, country, and planet.

With that in mind, we are excited to share our 2023 U of A Sustainability Report which presents progress on our sustainable development and climate goals as well as the university-wide goals to increase student success through engagement, affordability, and wellness. In addition, this report highlights our large-scale solar energy and world-class trail development projects.

The Office for Sustainability is proud to collaborate with students, faculty, and staff across the U of A, using our campus as a laboratory to pilot, prove, and scale the latest research and innovations. Through this essential work, we remain deeply committed to modeling a sustainable future for our community and beyond.

ORGANIZATION CHART



CAMPUS PARTNERS

UNIVERSITY OF ARKANSAS
Facilities Management

THE SUSTAINABILITY CONSORTIUM™

UNIVERSITY OF ARKANSAS
Fay Jones School of Architecture + Design

SUSTAINABILITY COUNCIL

The purpose of the University of Arkansas Sustainability Council is to make recommendations to the chancellor and provost and advise the OFS in implementing its programs and responsibilities. The Sustainability Council supports the OFS stewardship mission through development and coordination of ideas, information and resources among the university's student body, academic departments and administrative units to expand the integration of sustainability into operational practices throughout the University of Arkansas and the community. The Sustainability Council is comprised of students, faculty, staff, and key representatives from the Fayetteville, Arkansas community.

SCOTT TURLEY
Co-Chair
Associate Vice Chancellor Facilities Management

KEN McCOWN
Co-Chair
Fay Jones School of Architecture and Design

ERIC BOLES
Executive Secretary
Office for Sustainability Director

ADNAN ALI KHALAF ALRUBAYE
Faculty Senate

STEPHEN RITTERBUSH
Staff Senate

BECKY MCCOY
Office of Business Affairs

KATY NELSON
University Development

BRENT SCHLOTFELDT
University Housing

CATHERINE SHOULDERS
Dale Bumpers College of Agriculture, Food and Life Science

KUSUM NAITHANI
J. William Fulbright College of Arts and Sciences

BECKY AFONSO
Alumni Association

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University Relations

ANNA KAY HILBURN
Razorback Foundation

MATT TRANTHAM
Department of Intercollegiate Athletics

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Sam M. Walton College of Business

VINSON CARTER
College of Education and Health Professions

DARIN NUTTER
College of Engineering

CLAIRE LUCHKINA
Honors College

ANDY GILBRIDE
Transit and Parking

JOMAR FRANCISCO
Chartwells, U of A Service Provider

PETER NIERENGARTEN
Fayetteville Environmental Director

VICKIE FERGUSON
University of Arkansas Foundation

ANN GALLAHER
Global Campus

CURT ROM
Graduate School

SARA GOSMAN
School of Law

STEPHANIE PIERCE
University of Arkansas Libraries

CARBON & ENERGY

In 2007, the University of Arkansas became the first higher education institution in the state and among the first 100 in the nation to commit to the American College and University Presidents' Climate Commitment. Since this commitment, the University has made huge strides in reducing its greenhouse gas emissions with an ultimate goal of reaching zero emissions by 2040. The Office for Sustainability (OFS) and the University of Arkansas Sustainability Council (UASC) were created to help guide the University toward carbon neutrality.

Explore more at climate.uark.edu

RESOURCES

U of A FM PLANNING + DESIGN
521 S. Razorback Road
University of Arkansas
Fayetteville, Arkansas 72701
(479) 575-5050

SUSTAINABILITY CONSORTIUM
Dean's Office WCOB 301
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Fayetteville, AR 72701
(479) 575-5949

CITY OF FAYETTEVILLE SUSTAINABILITY AND RESILIENCY
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pnierengarten@fayetteville-ar.gov
(479) 575-8268

US GREEN BUILDING COUNCIL
P.O. Box 404296
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ARKANSAS ENVIRONMENTAL QUALITY
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(501) 682-0744

ELECTRIC COOPERATIVES OF ARKANSAS
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communications@aecc.com
(501) 570-2200

LIVING BUILDING CHALLENGE
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GREEN BUILDING INITIATIVE
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(503) 274-0448

ARKANSAS ENERGY PERFORMANCE CONTRACTING
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(501) 682-0603

US ENVIRONMENTAL PROTECTION AGENCY
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Washington, DC 20460
(202) 564-4700

NATIONAL GREEN BUILDING STANDARD
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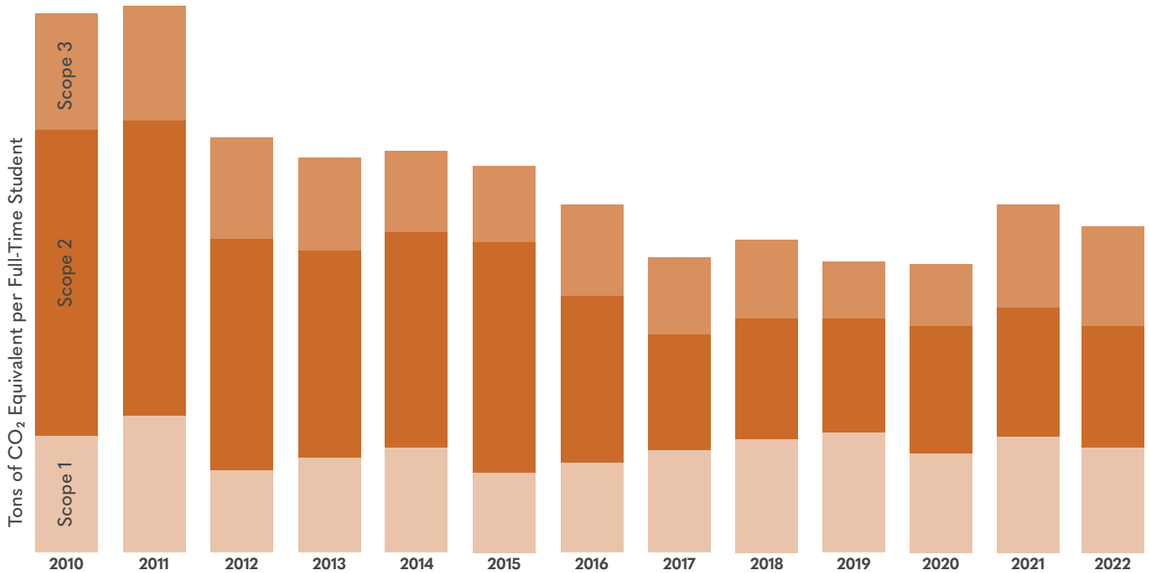
Upper Marlboro, MD 20774
1(800) 638-8556

ARKANSAS ADVANCED ENERGY ASSOCIATION
info@arkansasadvancedenergy.com
(501) 712-3186

CITIZENS CLIMATE LOBBY
1330 Orange Ave #309
Coronado, CA 92118
(619) 437-7142

CARBON EMISSIONS

The University's 2040 carbon-neutral goal is achievable but only with the continued and active support of students, faculty, and staff. The current carbon footprint of the U of A is approximately 120,000 metric tons of carbon dioxide annually. Our footprint per campus user has improved dramatically over a decade, reducing by nearly half, but we still have a ways to go. The University has also committed to the goal of having a diversion rate of 90% by 2040. Currently the U of A's diversion rate is 22%, so there is quite a bit of work to be done, however we are optimistic that we can achieve the goal through education, action, and support from all entities on campus.Emissions from landfills contribute to the U of A's carbon footprint.



SCOPE 1 EMISSIONS

Scope 1 emissions are directly emitted from the U of A campus, such as on-campus stationary, campus vehicle fleet, and fertilizer used on campus.

KEY STRATEGIES

Energy efficient buildings; Energy conservation strategies; Energy Savings Performance Contracts (ESPC) facilitate the two key strategies above

SCOPE 2 EMISSIONS

Scope 2 emissions come from the generation of electricity purchased by the U of A. These emissions are a result of campus demand for electricity.

KEY STRATEGY

Renewable energy power purchase agreements can offset these emissions while saving the U of A millions of dollars

SCOPE 3 EMISSIONS

Scope 3 emissions occur off-site but are induced by the U of A, such as directly financed airplane travel, waste water, and campus affiliate commuting practices.

KEY STRATEGIES

Waste reduction programs; More alternative transportation; Telecommuting

Emission Reductions

CLIMATE ACTION PLAN

The University of Arkansas Climate Action Plan, ratified in 2009 and updated in 2014 and 2018, is a road map to achieve carbon neutrality by 2040. The University's 2040 goal is achievable but only with the continued and vocal support of students, faculty, and staff.

COMBINED HEAT & POWER SYSTEMS

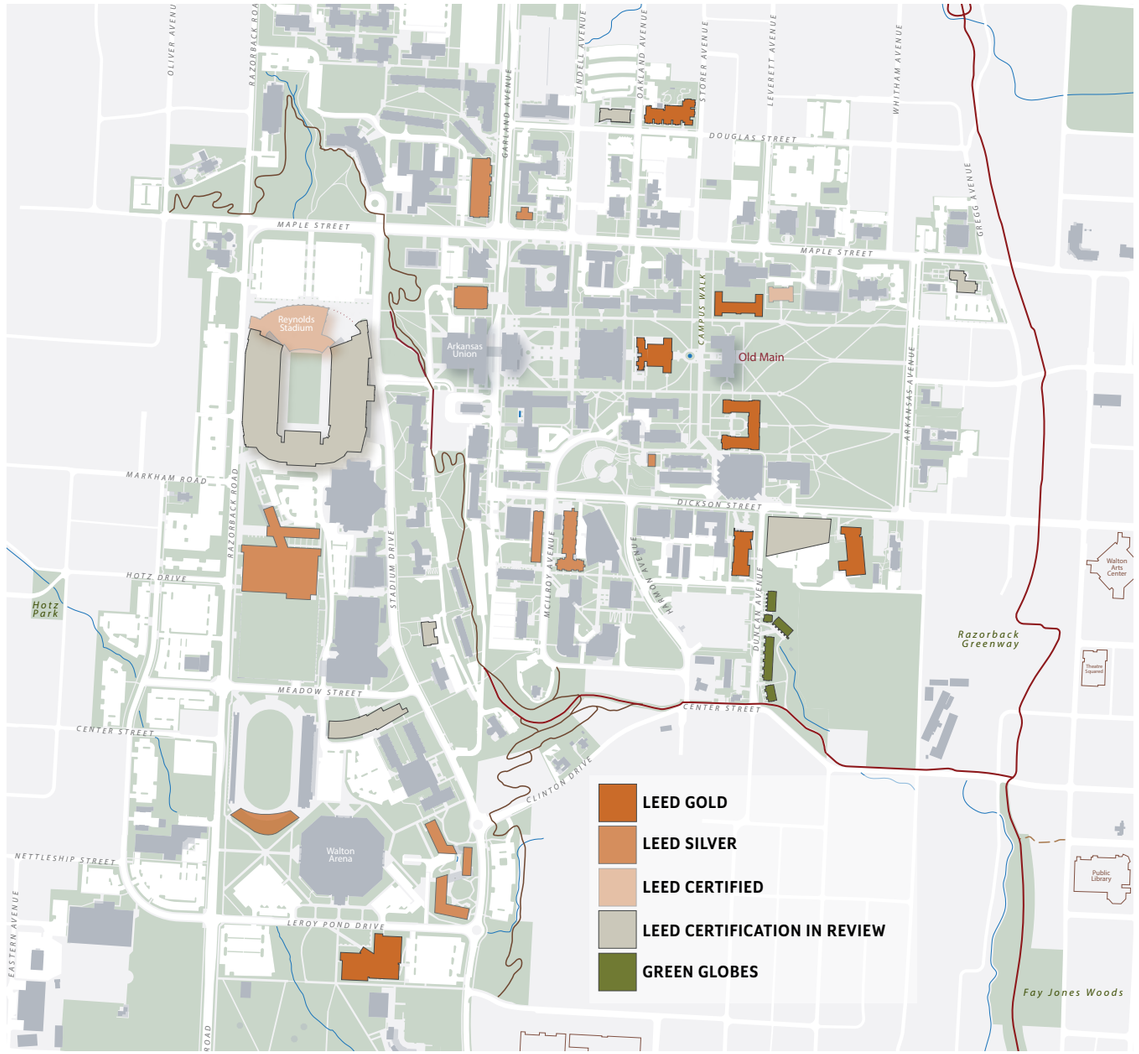
The campus Combined Heat and Power System (CHP) provides both electrical power and thermal energy (heat) from natural gas. This increases the central plant's efficiency from 40-73%, saves three million dollars per year in electricity, and reduced the entire University's emissions by 20%.

ENERGY SAVING PERFORMANCE CONTRACTS

The U of A's fourth Energy Savings Performance Contract (ESPC) project is designed to reduce overall campus energy consumption and improve building energy efficiency across the campus. This cost-savings project includes LED lighting, retro-commissioning, HVAC upgrades, and enhanced building envelopes.

SUSTAINABLE BUILDINGS

Campus infrastructure, especially buildings, have a substantial impact on the experience our students have and the environmental footprint of campus. Not only are sustainable buildings more cost efficient over time, they provide spaces that inspire the next generation of leaders. As of 2023, 19% of the U of A's total square footage on campus is green building certified.



FOR MORE INFORMATION EMAIL SUSTAIN@UARK.EDU OR VISIT PLANNING.UARK.EDU

WHAT MAKES A BUILDING SUSTAINABLE?

Through thoughtful design, construction, and operations a sustainable building can enhance occupant health while reducing negative environmental impacts. The University of Arkansas is a member of the US Green Building Council (USGBC) and since 2006 the University has committed to meet or exceed LEED (Leaders in Energy and Environmental Design) Silver standards on all new construction and major renovations. The campus has constructed over two million gross square feet of certified green buildings. **This standard is cost effective as the total construction cost of a building is only 20-30% of the lifetime cost of the building.** There are many aspects that get optimized during this process, from designing the building to perform optimally on their site with regards to sunlight, water management, and other site-specific challenges, to the reduction of waste during the construction, and features that are built into the building. Below are categories in which you can earn points to become LEED certified, and examples of such things on campus.

LOCATION & TRANSPORTATION

- Access to quality transit
- Bicycle facilities
- Reduced parking footprint
- Sensitive land protection

One characteristic that earns a building LEED credits is the building's proximity to transit, allowing for its occupants to have access to reliable public transportation.

SUSTAINABLE SITES

- Heat island reduction
- Rainwater management
- Light pollution reduction
- Site development to protect or restore habitat

The U of A constructs all new buildings to reduce the heat island effect, which means the roof is covered with a light color to reduce heat absorption.

WATER EFFICIENCY

- Cooling tower water use
- Water metering
- Indoor and outdoor water use reduction

Cooling towers are used at the campus Central Plant to efficiently provide utility service to campus buildings with less water and energy.

ENERGY & ATMOSPHERE

- Optimize energy performance
- Advanced energy metering
- Renewable energy production
- Enhanced refrigerant management

The U of A sees the importance of solar energy and has several solar services agreements to build and use solar energy that reduce emissions and save money.

MATERIALS & RESOURCES

- Environmental product declarations
- Building life cycle impact reduction
- Construction and demolition waste management

Materials play a huge role in sustainability, from how it is sourced to how it performs and wears during its life cycle.

INDOOR ENVIRONMENTAL QUALITY

- Thermal comfort
- Indoor air quality assessment
- Interior lighting (LED)
- Low-emitting materials

The U of A has retrofit all buildings on campus with LED lights as part of an energy savings performance contract.

SOLAR SERVICES AGREEMENTS

WHAT IS A SOLAR SERVICE AGREEMENT?

A solar service agreement (SSA) is a partnership in which a third-party energy expert designs, finances, permits, installs, connects, operates, and maintains the photovoltaic system, and a customer, such as the University of Arkansas, agrees to purchase the system's entire renewable energy output for a predetermined time period and rate structure. Sometimes it makes sense to place the array on land owned by the customer and sometimes the land is owned by the third party. In our region, the solar array must be located within our utility provider's service territory. In the U of A's scenario, most of the arrays will be off campus, but within the appropriate utility service territory.

HOW IS THE U of A SOLAR SERVICE AGREEMENT STRUCTURED?

Through a competitive bidding process, the U of A has partnered with Entegrity Energy Partners LLC on two SSAs and Scenic Hill Solar on the largest SSA. These partnerships allow the U of A to hedge against rising utility rates, save millions of dollars, create Arkansas jobs, and significantly reduce greenhouse gas emissions. Entegrity and Scenic Hill Solar will develop the arrays and provide energy as a service to the campuses. The U of A will purchase the entire energy output of the arrays at a specified rate over the 25-year contract term. With no upfront cost, the U of A will be able to cut utility expenses on day one.

U of A Division of Agriculture Solar Array

Size: 4 Megawatts DC

Area: 20 acres

Power production begins: 2023

Projected savings over 25 years: $2.4 million

Percent of electricity provided by the project: 89% of Ag Research and Extension Center

Equivalent trees planted: 2 million

U of A Fayetteville Solar Array

Size: 5 Megawatts DC

Area: 25 acres

Power production begins: 2024

Projected savings over 25 years: $3.1 million

Percent of electricity provided by the project: 6% of UA Fayetteville Campus

Equivalent trees planted: 3 million

U of A System Solar Array

Size: 74 Megawatts DC

Area: 380 acres

Power production begins: 2025

Projected savings over 25 years: $149 million

Number of photovoltaic installations: 24 sites across 14 utility service territories

Equivalent trees planted: 43 million

BIODIVERSITY

Campus biodiversity projects are an opportunity to create beautiful landscapes that are low maintenance and provide a plethora of ecosystem services for our community.

Explore more at biodiversity.uark.edu

RESOURCES

UA HERBARIUM
Jennifer Ogle
jogle@uark.edu
(479) 575-4372

WATERSHED RESOURCE CONSERVATION CENTER
380 W Rock St
Fayetteville, AR 72701
(479) 444-1916

UA HORTICULTURE
Wayne A. Mackay
316 Plant Sciences Building
479-575-2603

ILLINOIS RIVER WATERSHED PARTNERSHIP
221 S Main St
Cave Springs, AR 72718
(479) 203-7084

BEAVER WATERSHED ALLIANCE
162 Doolin Dr
Elkins, AR 72727
info@beaverwatershedalliance.org
(479) 750-8007

NWA LAND TRUST
1725 S. Smokehouse Trail
Fayetteville, AR 72701
info@nwalandtrust.org
(479) 966-4666

OZARK NATURAL SCIENCE CENTER
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(479) 202-8340

OZARK ECOLOGICAL RESTORATION INCORPORATED
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oeri@cox-internet.com
(479) 427-4277

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Fort Smith, AR 72903-3422
info@nwarkaudubon.org

XERCES SOCIETY
1631 NE Broadway Street, #821
Portland, OR 97232 USA
1(855) 232-6639

OZARK SOCIETY
ospres1@ozarksociety.net

ARKANSAS GAME AND FISH COMMISSION
2 Natural Resources Drive
Little Rock, Arkansas 72205
1(833) 345-0325

ARKANSAS NATIVE PLANT SOCIETY
anps.programs@gmail.com
(501) 231-7455

ARKANSAS ENVIRONMENTAL EDUCATION ASSOCIATION
201 East 5th Street
Mountain Home, AR 72653
tim.burnley@agfc.ar.gov
(870) 425-7577

ARKANSAS STATE PARKS
1 Capitol Mall
Little Rock, AR 72201
parks.info@arkansas.gov
1(888) 287-2757

CAMPUS BIODIVERSITY PROJECTS

BLUE BIRD BOXES

In collaboration with the Office for Sustainability, Dr Sarah DuRant's team in the Department of Biological Sciences, placed over 60 nest boxes at the U of A's Oak Knoll. They aim to develop a deeper understanding of how temperature, specifically temperature variation, impacts Eastern Bluebirds and Tree Swallows.

SEED COLLECTION

This effort to preserve native plant genetics was a partnership with the U of A Herbarium. Throughout the fall, volunteers collected thousands of big blue stem, meadow beauty, and slender mountain mint seeds, all of which will be used to restore the 10-acre oak savanna adjacent to the tallgrass prairie.

OAK KNOLL

Situated south of the main U of A campus, this site features several intertwined ecosystems including an iconic oak savanna and remnant tallgrass prairie. Of the 4,000 acres of ancient tallgrass prairie around south Fayetteville in the 1800s, only two sites have survived – one of which is the Oak knoll. This site provides unique research opportunities to faculty and students.

HILL AUDITORIUM GREEN ROOF

The green roof on Hillside Auditorium is currently being revamped by students led by biology professors, Dr. Lora Shadwick and Dr. John Shadwick. They are removing the invasive plant species that have seeded the roof over the years and are nurturing native Arkansas forbs and grasses provided by the Horticulture Department.

MONARCH WAYSTATIONS

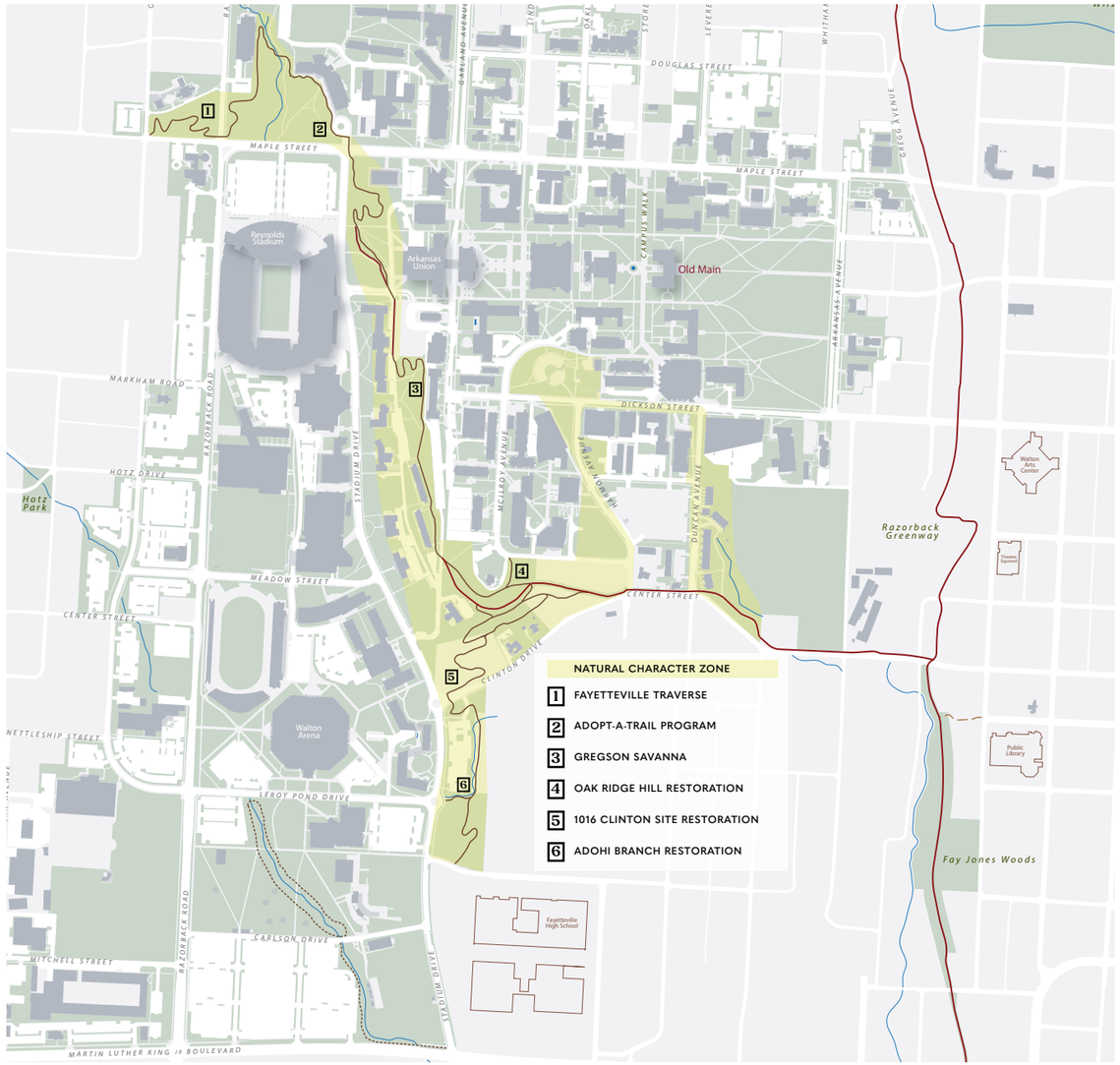
The monarch butterfly lays its eggs exclusively on milkweed leaves. Milkweeds and nectar sources are declining due to development and the widespread use of herbicides and pesticides. This program uses existing campus landscapes to provide food and shelter for these amazing butterflies as they travel to and from Mexico.

BIRD STRIKE MITIGATION

The data collected during the bird strike walks is being used to identify the most problematic locations on campus. Those locations/ windows will be prioritized for interventions. The bird strike research walks will continue every semester to build a database of windows and birds. Please consider lending a hand with this important project.

NATURAL CHARACTER ZONE

CAMPUS LANDSCAPE MAP



FOR MORE INFORMATION EMAIL SUSTAIN@UARK.EDU OR VISIT PLANNING.UARK.EDU

WHAT IS THE NATURAL CHARACTER ZONE?

The natural character zone on campus ties together multiple local ecosystems while creating a space for education, research, recreation, reflection, and human-powered transportation. This zone is characterized by creeks, savannas, meadows, and forests which provide food and habitat to a variety of wildlife. This zone also features a natural surface trail that connects the U of A campus to parks and natural areas in Fayetteville. The trails create a recreation opportunity on campus for U of A affiliates, as well as an alternative path to navigate the campus landscape. The natural character zone is an important ribbon of contiguous landscape on campus because it supports students success and requires less maintenance than traditional landscapes. Some common native plants you will see around campus include: milkweed, aromatic aster, Arkansas ironweed, echinacea, false indigo, coriopsis, blazing star, little blue stem, cliff goldenrod, and many more.

1. Fayetteville Traverse

The Fayetteville Traverse runs through the entirety of the natural character zone on campus, showcasing biodiversity projects the Office for Sustainability has worked on as well as spearheaded new initiatives with the grounds crew to create low mow zones to facilitate a more natural landscape.

2. Adopt-A-Trail Program

The Office for Sustainability created the Adopt-a-Trail program in 2023 which empowered campus organizations to assist with removing litter from our campus. In just the first year, eight organizations participated in hosting 44 cleanups which collected 238 bags of trash and 33 bags of recyclables from our campus landscape.

3. Gregson Savanna

The Gregson Savanna is a previously steep unused hillside behind Gregson Hall, it is now a no mow zone to allow native plants to reestablish themselves. This area also has a section of natural trail running through it, making a once overgrown unused area into a beautiful campus resource.

4. Oak Ridge Hill Restoration

In June of 2018, OFS began an ongoing program removing invasive species along the Oak Ridge trail. Invasive species prevent native plant growth and are often difficult to remove, but the Oak Ridge cleanups utilize help from both volunteers and goats to effectively tackle the problem.

5. 1016 Clinton Site Restoration

This site sits on the south side of campus and is a green gateway into campus via the Fayetteville Traverse Trail. This site is special because it was extremely dry and hard compacted clay, but after many volunteer days the OFS has been able to work with students to get many native plants established and thriving.

6. Adohi Branch Restoration

The Watershed Resource Conservation Center restored approximately 550 feet of the Adohi Branch stream that had severe erosion issues and removed invasive plants that plagued the stream banks. This project was started in 2021 and is used an education site for students to continue to plant native plants along the banks.

Transportation

Safe, convenient, and healthy access to campus is a common challenge for all members of our campus community. The OFS is passionate about assisting with the infrastructure and programming needs of people commuting by bicycle, foot, e-scooter, skateboard, wheelchair and other human-powered transportation.

Explore more at bike.uark.edu

RESOURCES

TRAILBLAZERS
1000 SE 5th St E
Bentonville, AR 72712
info@wearetrailblazers.org
(479) 231-1365

COLER PRESERVE
2500 NW Grove Lane
Bentonville, AR 72712
(479) 364-0168

OZARK REGIONAL TRANSIT
2423 E Robinson Avenue
Springdale, AR 72764
ORTinformation@ozark.org
(479) 756-5901

EXPERIENCE FAYETTEVILLE
21 S Block Ave
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(479) 521-5776

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UREC OUTDOORS
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UA TRANSIT
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OZARK FOUNDATION
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info@ozarkfoundation.org

PEOPLE FOR BIKES
info@peopleforbikes.org
(303) 449-4893

LATINAS EN BICI
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contact@latinasenbici.org

UA ACCOMMODATION AND ACCESSIBILITY SERVICES
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Fayetteville, AR 72701
access@uark.edu
(479) 575-6208

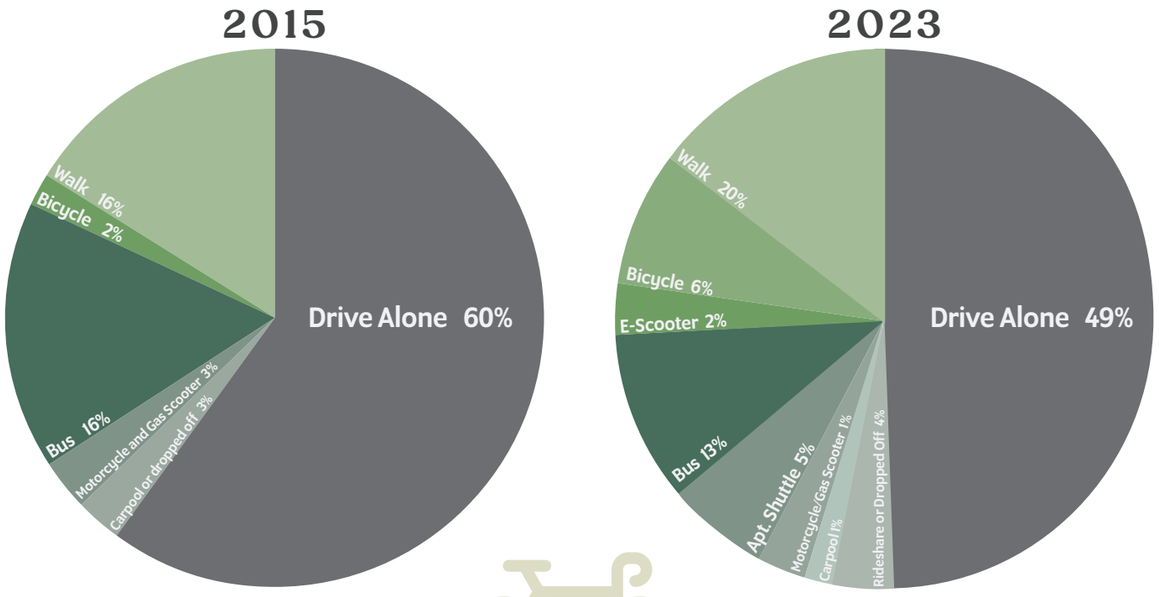
PEDAL IT FORWARD
Kenny Williams
Kenny@pedalitforward.org
(479) 208-6868

SPIN
support@spin.pm
1(888) 249-9698

VEO
hello@veoride.com
1(855) VEO-2256

CAMPUS MODE SHARE

In keeping with national transportation trends, mode share on the U of A campus for 2023 continues to transition towards alternative transportation. According to the 2023 transportation survey, 46% of U of A affiliates use alternative transportation to get to and from campus. The U of A has helped nurture this trend by working with e-scooter and bike share companies to operate on campus and in the greater Fayetteville area. These shared mobility systems have seen great ridership, especially from students, and 65% of U of A affiliates support more shared mobility systems. Other catalysts include more housing near campus, new bicycle trails, and other dedicated mobility infrastructure.



83%

of respondents said that it is important for the U of A to reduce its impact on the environment.

People who ride their bicycle to campus are the most satisfied with their commute, while respondents who were dropped off by a friend were the least satisfied with their transportation options.

65%

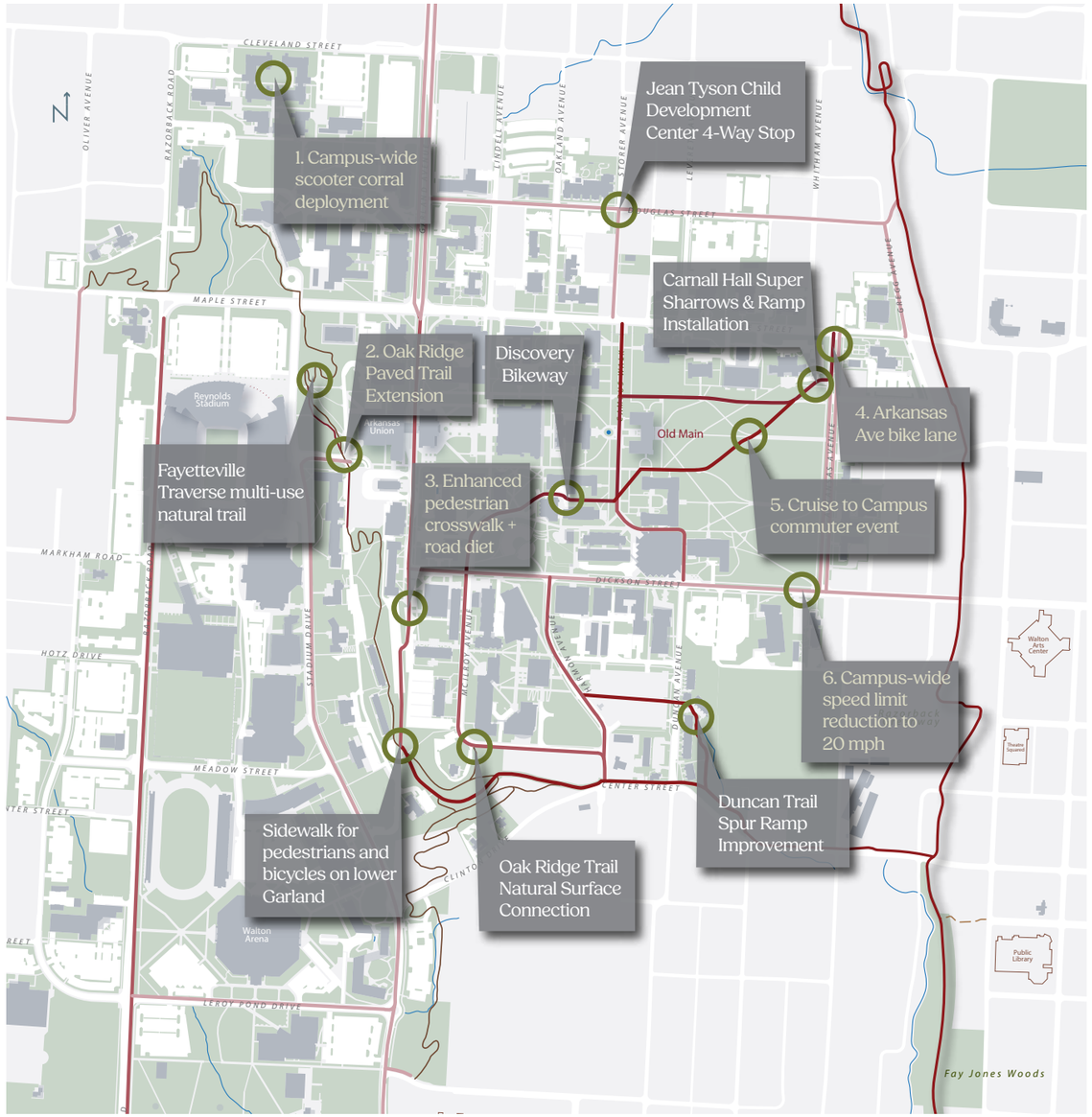
of U of A affiliates are supportive of larger shared mobility systems like the current e-scooters and e-bikes.

Pedal It Forward Partnership

Pedal it Forward provides rural and urban low-income kids, families, at-risk youth, minority and immigrant populations in Northwest Arkansas with free or low cost bikes. Since the partnership between the U of A and Pedal It Forward started, they have given over 250 bikes to international students who might not have any other form of transportation. This includes a helmet, lights, and lock too. Bike access helps students towards educational milestones, job opportunities, and the physical and mental health benefits that cycling provides. Studies have shown that people who are physically active are more productive at work and school. Increased creativity can lead to new research ideas, new ways of thinking about problems, and new approaches to solving present issues.

"Anyone without a car is at an incredible disadvantage when it comes to getting to classes, getting groceries, or exploring the area. A bike is a cost-effective, high-impact gift that really makes a difference in the experience of an international student in Northwest Arkansas." Sarah Parrott, Assistant Director of International Retention in International Students and Scholars

ACTIVE TRANSPORTATION IMPROVEMENTS



FOR MORE INFORMATION EMAIL SUSTAIN@UARK.EDU OR VISIT BIKE.UARK.EDU

1. Campus-wide scooter corral deployment

The U of A has worked with the scooter companies to deploy mandatory parking zones around campus to help reduce clutter and increase reliability.

2. Oak Ridge paved trail extension

This extension is part of the Oak Ridge Trail spur from the Razorback greenway and will eventually use Maple Street to complete the Campus Bike Loop.

3. Enhanced Pedestrian Crosswalk

This crosswalk has extra long thermoplastic bars to let pedestrians cross naturally and safely in this mostly pedestrian zone.

4. Arkansas Avenue Bike Lane

A new bike lane was installed on Arkansas avenue that allows cyclists to use unprogrammed road space to safely enter campus via Carnall Hall driveway.

5. Cruise to campus commuter event

The OFS hosted three Cruise to Campus events this fall to reward bicycle commuters with complimentary coffee and breakfast on Old Main Lawn.

6. Campus-wide speed limit reduction to 20 mph

The U of A reduced all speed limits on campus to 20 miles per hour to increase safety and calm campus streets.

ZERO WASTE

While diversion (recycling, composting, etc.) has the spotlight in pop culture, aversion is a more efficient and sustainable practice. The UofA diversion goals are important, but ultimately we hope to reduce the need to divert by stopping waste before it starts.

Explore more at sustain.uark.edu

RESOURCES

RAZORBACK RECYCLING
Gary Enzor
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RAZORBACK FOOD RECOVERY
241 Arkansas Union
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521 W Ash St
Fayetteville, AR 72703
info@freegeekarkansas.org
(479) 966-9512

UA SURPLUS
300 Eastern Ave
Fayetteville, AR 72701
(479) 444-2325

NWA FOOD BANK
1378 June Self Drive
Springdale, AR 72764
(479) 872-8774

MARION ORTON RECYCLING CENTER
735 W North St
Fayetteville, AR 72701
(479) 575-8398

UA BOOKSTORE
616 Garland Ave
Fayetteville, AR 72701
(479) 575-2155

LIFESOURCE
600 South School Avenue
Fayetteville, AR 72701
(479) 521-4000

CITY OF FAYETTEVILLE RECYCLING
1560 S. Happy Hollow Road
Fayetteville, AR 72701
recyclingandtrash@fayetteville-ar.gov
(479) 444-3478

FACILITIES MANAGEMENT
521 S. Razorback Road
Fayetteville, AR 72701
(479) 575-5050

TRI CYCLE FARMS
1705 N. Garland Avenue
Fayetteville, AR 72703
(479) 935-9357

CITY OF FAYETTEVILLE COMPOSTING
1708 S Armstrong Ave
Fayetteville, AR 72701
recyclingandtrash@fayetteville-ar.gov
(479) 575-8398

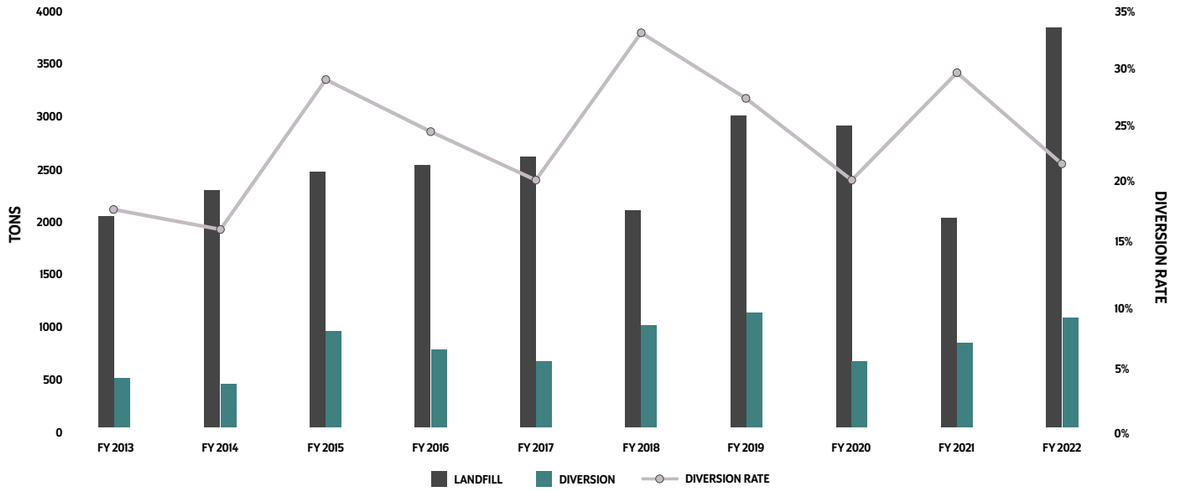
CHARTWELLS
435 Garland Ave
Fayetteville, AR 72701
(479) 575-3232

FULL CIRCLE FOOD PANTRY
324 Stadium Drive
WAHR C204
Bud Walton Hall
Fayetteville, AR 72701
479-575-7693

CITY OF FAYETTEVILLE HAZARDOUS WASTE
380 W Rock St
Fayetteville, AR 72701
(479) 444-1916

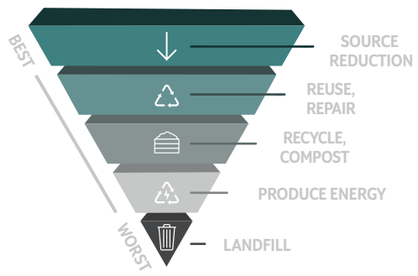
ZERO WASTE DIVERSION SUMMARY

The University of Arkansas is committed to diverting over 90% of materials away from landfills by 2040. One way to reach this goal is to raise awareness and participation for our campus recycling programs. Whether you are a student, parent, staff, faculty, or community member, your recycling efforts are an important part of sustainability at the U of A. For those who live off campus or want to recycle additional materials, find out about the City of Fayetteville's Recycle Something campaign.



AVERSION

While diversion (recycling, composting, etc.) has the spotlight in pop culture, aversion is a more efficient and sustainable practice. The UofA diversion goals are important, but ultimately we hope to lower the need to divert by raising our aversion rate. Aversion is achieved through procurement practices and planning, considers how to dispose of goods before purchase, and avoids waste entirely.

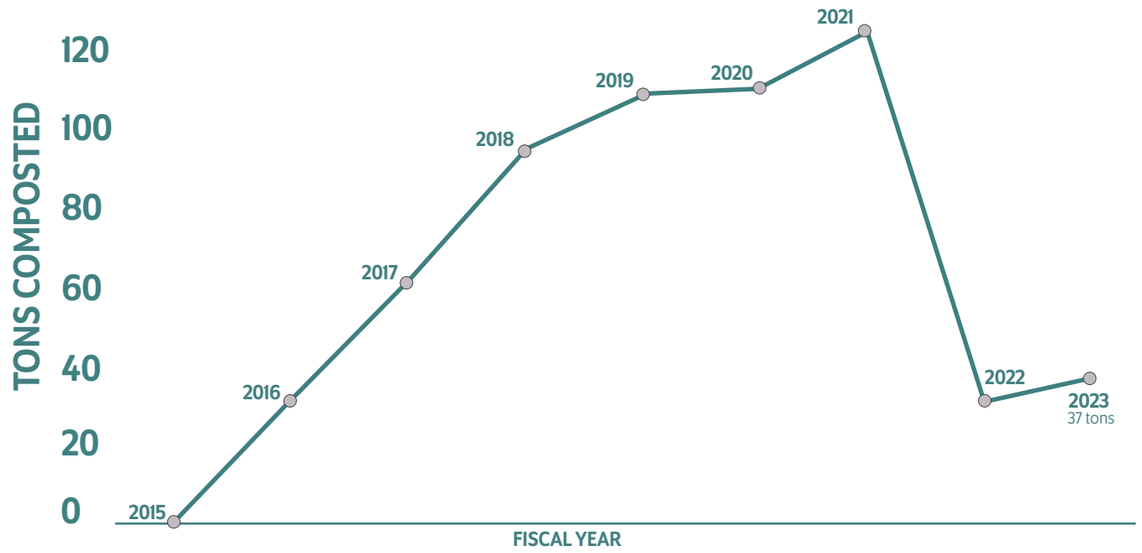


DIVERSION

Waste diversion is the process of diverting and redirecting waste from landfills. We can redirect waste from landfills via recycling or reusing. Diversion keeps waste out of the landfill through surplus, recycling, and composting. It also requires infrastructure and education, and still produces an amount of waste.

Composting on Campus

In Fall 2015, Chartwells campus dining services incorporated a behind-the-scenes pre and post-consumer composting program in partnership with the city of Fayetteville. Since then, they have expanded the service to all dining halls. In addition to composting, Razorback Food Recovery (RFR) is a student-led program through the Volunteer Action Center (VAC) that works to recover surplus food and redistribute it to the campus and NWA community.



RAZORBACK FOOD RECOVERY

Their partnership with Chartwells Dining Services allows volunteers to collect unused food from campus retail and dining locations for donation to community agencies in an effort to address the issues of food waste and hunger. Razorback Food Recovery aims to eliminate the need for regular food recovery and promote efficiency and equity in food systems.

FOOD COMPOSTED

In 2023, the U of A composted 37 tons of food waste in partnership with the City of Fayetteville. This number may seem low compared to years past, but the drop is because of the new food preparation and distribution Chartwells has implemented on campus, going away from a traditional buffet style, and towards pre-packaged portions. This has significantly reduced the amount of food waste produced in dining halls.

FOOD RECOVERED

Razorback Food Recovery has recovered approximately 17,513 lbs of food from Fall 2022 through Summer 2023. They are planning to grow more by continuing to expand campus event and grocery recovery services as well as educational initiatives through university and community partnerships.

E-WASTE RECYCLING

E-WASTE DROP OFF LOCATIONS ON CAMPUS

The U of A Computer Store handles recycling of batteries, computers, cell phones, and more. Bins that accept these items can be found on the loading dock on the northeast corner of the bookstore. University-owned equipment cannot be dropped off; if you need to dispose of University owned equipment please visit surplus.uark.edu for more information.

FOR MORE INFORMATION EMAIL SUSTAIN@UARK.EDU OR VISIT SUSTAIN.UARK.EDU

U of A Surplus & Razorback Recycling




RAZORBACK RECYCLING

In November 1990, President Bill Clinton issued an unfunded proclamation that all state agencies would initiate recycling programs. When the U of A custodial services began this program in 1991, Gary Enzor felt inclined to volunteer to help with the opportunity. During the programs first year, 50 tons of paper and aluminum cans were collected. There was a rather steep learning curve as this program was getting started, but they managed to double those collections to 100 tons the following year. As they learned the ins-and-outs of this new process, Enzor was there leading the ship, and he is now the Campus Recycling Coordinator and Solid Waste Manager. Razorback Recycling is responsible for the collection, processing, storage, and marketing of all recyclable materials in educational and general purpose (E & G) facilities. The department also manages the operations of campus solid waste management in providing scheduled solid waste collection and disposal services for E & G facilities and offering purchased services to campus auxiliaries and student living groups.

UA SURPLUS

The U of A Surplus Warehouse is a great example of how the University community helps avert waste by reusing as much University property as possible. They run a listserv that offers up items departments around campus are no longer in need of, and make it possible for other departments that might need those items to take them over. This loop in our system allows for less waste as well as saves money because we are purchasing less when we are able to reuse items.

ACADEMICS + OUTREACH

The Office for Sustainability hosts a variety of events to educate and connect with our campus and surrounding community. The events focus on education, professional development, and networking to encourage an informed and connected Fayetteville.

Explore more at sustain.uark.edu

RESOURCES

ARKANSAS UNION
ARKU 634
435 N Garland Avenue
Fayetteville, AR 72701
(479) 575-2146

OFFICE FOR SUSTAINABILITY
238 Harmon Ave
Fayetteville, AR 72701
sustain@uark.edu
(479) 575-3715

ACADEMIC PROGRAMS ADVISORS:

KEN MCCOWN
kennethm@uark.edu

STUDENT SUCCESS CENTER
470 N. Campus Walk
Fayetteville, Arkansas 72701
success@uark.edu
(479) 575-3174

OFFICE FOR ACADEMIC AFFAIRS
ADMN 422
University of Arkansas
Fayetteville, AR 72701
(479) 575-2151

LANCE CHERAMIE
cheramie@uark.edu
(479) 575-6732

WARREN HEROLD
herold@uark.edu

UREC OUTDOORS
155 Stadium Dr
Fayetteville, AR 72701
urec@uark.edu
(479) 575-4646

OFFICE OF STUDENT AFFAIRS
ADMN 325
University of Arkansas
Fayetteville, AR 72701
(479) 575-5007

PATTY FOLAN
pcfolan@uark.edu

CURT ROM
crom@uark.edu
(479) 575-7434

COMMUNITY DESIGN CENTER
1 E Center St Ste 220
Fayetteville, AR 72701
uacdc@uark.edu
(479) 575-5772

UNIVERSITY PROGRAMS
ARKU A-665
University of Arkansas
Fayetteville, AR 72701
(479) 575-5255

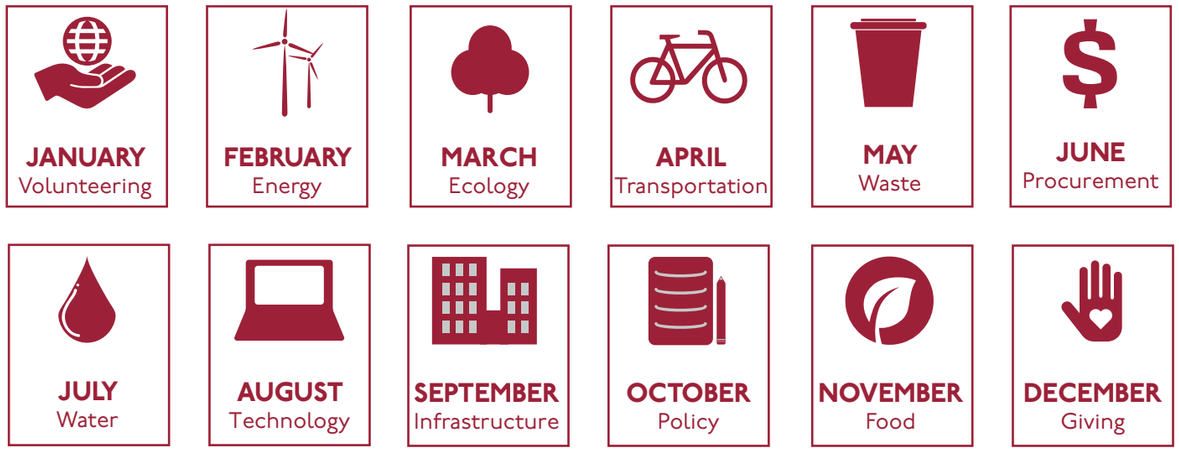
OUTDOOR LEADERSHIP
Anya Bruhin
Director of Outdoor Recreation
HPER 308R
adergaz@uark.edu
(479) 575-2858

VOLUNTEER ACTION CENTER
Arkansas Union 241
Fayetteville, AR 72701
(479) 575-4365

OUTREACH

Every month, there is a theme dedicated to one element of sustainability so that we can raise awareness about that topic. These themes are expressed through our social media, planned events, and newsletter services. The OFS newsletters reach approximately 1,700 U of A affiliates.

The Office for Sustainability hosts a variety of events to educate and connect with our campus and surrounding community. Our events focus on education, professional development, and networking to encourage an informed and connected Fayetteville. Some events the OFS has hosted over the past year include: Bike Safety Block Party in which we taught students the ins and outs of bike and scooter safety, as well as gave away 30 refurbished bicycles to international students. We also hosted many outdoor volunteer opportunities at the Maple Hill Community Garden and the Oak Ridge Forest Garden, totaling over 400 volunteer hours. Vertically integrated sustainability requires a deep community engagement, and the Office for Sustainability is dedicated to bringing our campus and city together while we work towards a more sustainable future.



Over 400 volunteer hours in 2023 by students and affiliates

In 2023 OFS volunteer events picked up over 250 bags of trash across nearly 50 events

OFS volunteers have helped plant over 700 new native plants, trees and shrubs on campus

Environmental Resiliency Online Programs

Coursework will prepare professionals to lead sustainability and resiliency efforts through their work and community roles. It provides a comprehensive understanding of the science, theory, and methods needed to assist them in making policy decisions and to realize the potential implications of their organizations' policies. As a business or organizational leader, you can learn how to make informed decisions about policies and practices in environmental resiliency. And just as importantly, you learn effective ways to share this information with a variety of stakeholders. Learn the science behind environmental and climate changes and how implementing resiliency practices can mitigate the impact of those changes.

LEARN ABOUT

Ecological literacy on environmental issues and the main challenges the 'built environment' causes to the planet's systems.

Sustainability literacy: the five pillars of sustainability, how to measure success in sustainability, and the "infinity loop" in resilience frameworks.

The laws of physics and how they apply to sustainability and resilience, including the conservation of energy, the water cycle, etc.

Carbon and ecological footprints, sustainability principles and practices, and the ability to solve real-world or simulated problems using measurement frameworks.

CERTIFICATES & MICROCERTIFICATES

Environmental Sustainability

Environmental Resiliency

Environmental Resiliency Leadership

Environmental Resiliency in Accounting and Metrics

SUSTAINABILITY MINOR & GRADUATE CERTIFICATE

ACADEMIC PROGRAMS COORDINATOR

Ken McCown serves the Director of the Academic Sustainability programs and as Department Head for landscape architecture in the Fay Jones School where he is also an adjunct professor in architecture. Professor McCown's research focuses upon linking metropolitan resilience and community design, regenerative design, and the Living Building Challenge. Two teams co-taught by McCown won national student awards from ASLA. Several students in his collaborative studios have won ASLA national awards, including Nicholas Glover's "Biophones." His awards include an American Society of Landscape Architects award of honor from the state of Nevada and the city of Las Vegas' Mayor's Urban Design Award for the Cedar Trail retrofit, an ASLA Central States Award for the Carson Parklet, two AIA Las Vegas awards for unbuilt architecture, the CELA Award for Outstanding Design Studio Teaching, and the State of Nevada AIA Service Award.

LEARNING OUTCOMES

1. Articulate commonly accepted definitions of sustainability as well as engage in analytical thinking to enhance sustainability measures.

2. Address real-world problems of sustainability to reinforce and enhance their professional careers.

3. Have an understanding of the interdisciplinary nature of sustainability issues, particularly as they pertain to the thematic areas of knowledge.

SUSTAINABILITY MINOR

The Foundations of Sustainability minor is an 18-credit program open to all undergraduate students at the University of Arkansas. The sustainability minor provides foundational knowledge and skills related to the emerging discipline of sustainability and prepares students to become innovators within diverse fields. The program is organized around the four interdisciplinary systems areas. If you would like to declare the Foundations of Sustainability minor, meet with your major advisor to ensure an understanding of how it will fit into your degree plan, then meet with the Coordinator of Academic Sustainability Programs.

GRADUATE CERTIFICATE

The Graduate Certificate in Sustainability is a 15-credit, interdisciplinary program, drawing from faculty and course work across all colleges of the University of Arkansas. The graduate certificate is accessible to all students admitted to the Graduate School, both degree-seeking and non-degree seeking, to participate in an advanced study in sustainability. The purpose of the Graduate Certificate in Sustainability is to provide functional graduate-level knowledge and skills related to the emerging discipline of sustainability organized around the four interdisciplinary systems areas. Students who complete the certificate will have a broad set of skills and knowledge for planning and implementation of projects for meeting sustainability objectives.

Office for Sustainability

The land our campus sits on goes back beyond written history and includes the legacies of several Indigenous groups. Before Europeans arrived in what is now called Arkansas, the Osage had been using this area for food and hunting, and multiple other groups frequented the Ozarks for resources. The Cherokee have a history here as well, as many Cherokee used the land before the Trail of Tears forced the Cherokee to move through the Ozarks and into Oklahoma. As Indigenous people protect 80% of the world's biodiversity while comprising 5% of the global population, sustainability efforts must always consider the stewardship and legacy of Native groups. The U of A Office for Sustainability recognizes the history and contribution of the Osage, Cherokee, Caddo, and other tribes who have protected the space surrounding the University of Arkansas.