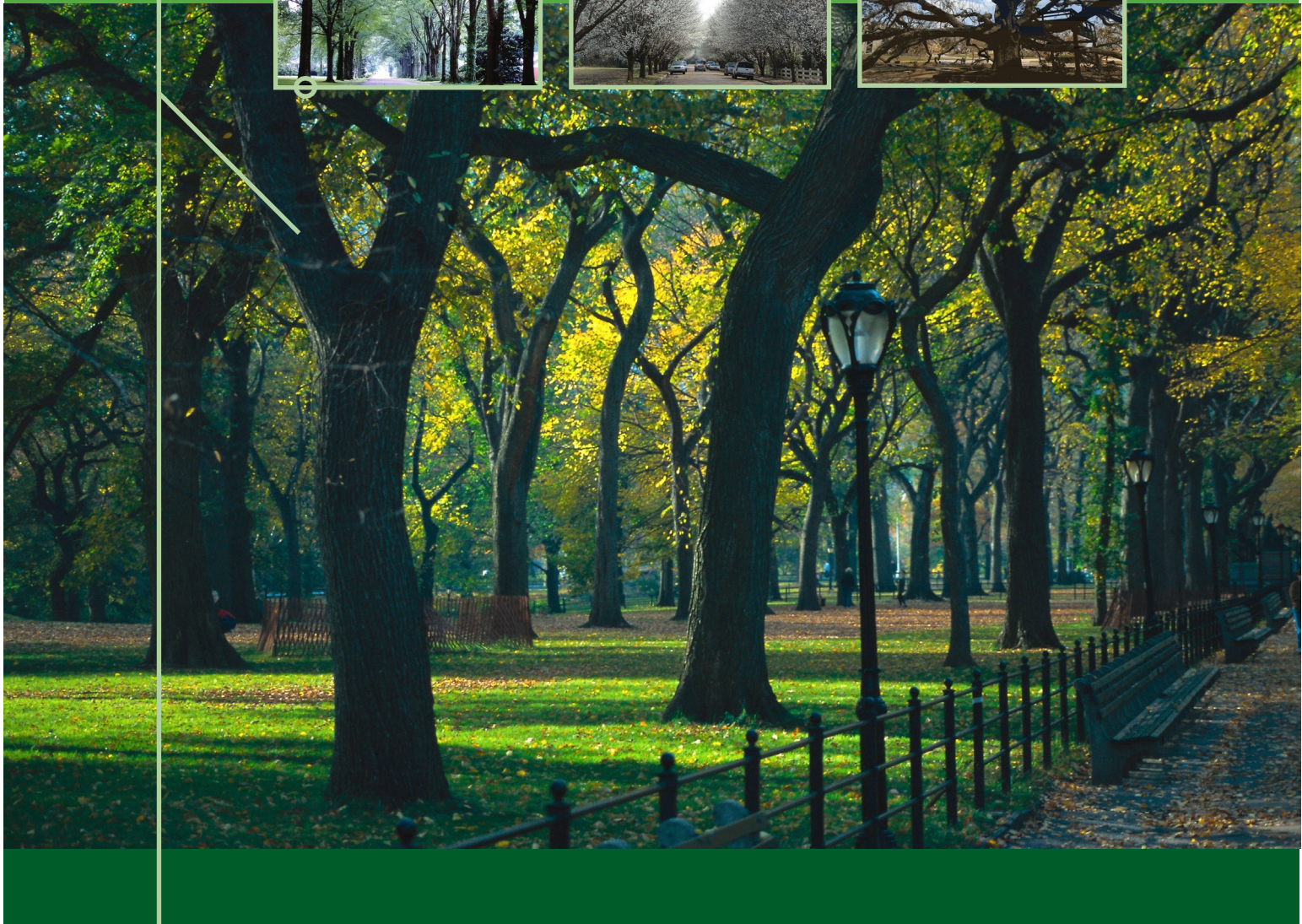




SCENIC COMMUNITIES of MISSISSIPPI



A 'Comprehensive Resource Guide' for green infrastructure, water quality, sustainability, conservation, and sound environmental practices.

About the Scenic Communities Program

The primary focus of the Scenic Communities of Mississippi program is to provide valuable resource information to all citizens in Mississippi. This "Resource Guide" serves as a clearinghouse of information that can assist with a wide range of subjects including conservation, green infrastructure, sustainable practices, air and water pollution. It includes over (21) subject categories related to the natural environment and the management of natural resources. There are over (295) agencies and/or programs listed.

The guide will be helpful for city leaders and individual citizens. Groups such as homeowner associations, civic clubs, home and business sites, military bases, parks and backyards are eligible for these programs. We hope you find this document informative and helpful in your pursuit to learn more about the environment while enjoying the many resources available in our state. Our former First Lady of Mississippi, Mrs. Pat Fordice worked with us to help create this project. Developer is Donna Yowell, Executive Director of the Mississippi Urban Forest Council.



**MISSISSIPPI
URBAN FOREST
COUNCIL**

www.msurbanforest.co



**MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY**

Scenic Communities consist of two parts:

Part One of the program includes a resource guide for multiple topics related to natural resource management, green infrastructure, sustainable practices, and the natural environment.

Part Two is a recognition program for those communities and other sites successfully implementing some of these programs on a local level. Communities should submit a Community Score Card (included in the guide) for recognition of successes.

Green Infrastructure and sustainability is critical in determining the health of our natural systems and communities now and in the future. The intent of this guide is to encourage citizens, elected officials and city/county employees, as well as, business owners and homeowners to learn more about resources available to them. This guide will give you instructions on how to find resources, provides contact information and tells you what each resource offers and how to participate in these opportunities. The guide provides opportunities for grants and financial assistance, publications, educational tools and sources of technical assistance throughout the state, including many national resources.

The Scenic Communities Program is funded in part by a grant from the Mississippi Department of Environmental Quality and the U.S. Environmental Protection Agency.

The Scenic Communities program was developed by Donna Yowell and is an active program of the Mississippi Urban Forest Council.

The Scenic Communities program, logo and publications are copyright pending.

When using this guide please keep in mind an important aspect. All of the agencies and programs listed in this guide were current at the time of publication but may change or vary in the future. The guide gives you a basic 'go to' resource to find resources, grants and technical assistance with your community projects and other land spaces.

We hope you find this guide informative and can put it to good use to enhance your community and to learn more about clean water and our environment. We will be providing classes on using the guide and how to participate in the Scenic Communities program to highlight your local efforts.



SCENIC COMMUNITIES of MISSISSIPPI

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Keep Mississippi Beautiful
MS Blue Trail Marker List
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National Park Service
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Pat Harrison Waterway District
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Jackson Convention Complex
Tamale Trail
Infinity Science Center
MS Museum of Natural Science
Mississippi Coast Audubon Society
Pascagoula River Audubon Center
Clinton Community Nature Center
Crosby Arboretum
Strawberry Plains Audubon Center
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U.S. Green Building Council (USBGC)
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American Water Works Association
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Inside EPA
Wood Energy Newsletter
Association of State Floodplain Managers
Developing Backyard Wildlife Habitats in Mississippi
Disaster Preparedness Coloring Book
Clean Water in Your Watershed
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Mississippi Urban Forest Council

www.msurbanforest.com



About the Mississippi Urban Forest Council

The MUFC is a nonprofit organization working to foster and promote management of urban and community forests for social, economic, and environmental benefits to people through events, campaigns, leadership, communication and educational services. Community Forest Councils are mandated by the U.S. Farm Bill nationwide to support local environmental efforts.

Summary of Impact Since 1979

Through MUFC's programs and volunteers, over 2 million trees have been planted, 1259 individuals have become trained and certified in one of our programs, accumulated over \$3,250,000.00 in volunteer match hours. MUFC impacted 387 communities and over 495 organizations with model plantings, training, outreach and events.

The Mississippi Urban Forest Council works in partnership with the USDA Forest Service, the Southern Group of State foresters, the Mississippi Department of Environmental Quality, the Mississippi Department of Marine Resources and other natural resource agencies and other entities.

Membership to the Mississippi Urban Forest Council is open to all individuals, public entities and business. Valuable benefits to members include: urban forestry educational tool kits, grants, scholarships, training, memorial tree planting, awards, certification and other resources. All memberships and donations go to improving Mississippi communities through trees. Individual memberships start at \$45, municipalities \$125.

For more information contact:

Donna Yowell
MUFC Executive Director (601) 672-0755
dyowell@aol.com or dyowell@msurbanforest.com
Web site: msurbanforest.com

Facebook Sites:

1. Mississippi Urban Forest Council
2. Flower Growers of Mississippi
3. Planting Mississippi: From the Ground Up
4. Mississippi Pollinators for Food Security

Resources and Programs

Urban Forest Master's Training and Certification

Individuals take 24 hours of training and return 24 hours of community service locally to become an Urban Forest Master. Continued education and community service opportunities are provided. Under this program 472,000 trees have been planted and 759 citizens trained.

Green Revitalization Planning

MUFC will provide training and guidance to develop and implement a local "green infrastructure plan for your community, neighborhood or other location. Visit the MUFC web site to obtain a Green Infrastructure tool kit and a sample of model plans.

Edible Forests of Mississippi

MUFC will provide you with a how-to tool kit to set up a local fruit orchard, vegetable and produce garden. The objectives of the program is to increase local growth of fresh produce, increase healthy eating of locally grown produce, supplement individual incomes by selling local produce and products made from local produce. You may request the tool-kit on how to start your own Edible Forest which provides guidance and education on developing a local forest.

Jr. Urban Foresters

This training program is designed to educate students on the benefits of trees and to involve them in making an impact. It is provided to any school upon request.

Mississippi Municipal League Special Edition of Urban Forestry

This joint publication features communities statewide writing about their urban forestry practices and successes on a local level (including a special focus on Hurricane Katrina recovery).

Model Tree Plantings

Twenty seven (27) model sites were planted statewide for educational purposes with signage, including groves of trees, edible forests, transportation corridors, shade gardens and water filter plantings.

Planting Mississippi: From the Ground Up

This program was sponsored by Canadian National Railroad and our partner was America in Bloom. Sixteen arboretae were established in 16 different communities with this project. The project also includes other types of landscaping such as orchards, memorial garden, business districts, sidewalk landscapes, transportation corridors, pollinator gardens, cut flower gardens and others. We continue to work with individual communities to help them address urban forestry and other landscape needs.

Mississippi Pollinators for Food Security

This is a program in partnership with NRCS, USDA to help citizens, both in rural and urban settings understand what plants to use in all landscapes to support beneficial insects. We developed 8 community sites and 8 farm sites and used these sites as educational and demonstration gardens for everyone.

Bloomtown Mississippi

Over 169 cities in Mississippi participate in this program. We provide free flowers bulbs and education to assist communities in putting color in their communities through plants and trees.

Storm Preparedness and Mitigation (City Policies)

This is a template for communities to help develop community plans for storms including flooding with suggested local policies.

Flower Growers of Mississippi

We provide flower growers education throughout the state through classroom and hands-on demonstration farms. The mission of this project is to increase the ability for limited resource farmers and others to grow a new commercial agriculture crop. In 2020 NRCS sponsored this program and it is an ongoing statewide initiative. The training takes the grower through every step in developing a viable specialty cut flower production site.

Scenic Communities of Mississippi is a two part resource listing program. Part one of the program includes a resource guide for 'GREEN INFRASTRUCTURE' and community development programs relative to natural resource management. Part two is a recognition program for those communities implementing the most number of these programs on a local level. The resource guide has listings of services, programs, web sites and grants that are available statewide. The project mission is to provide this valuable information to each and every city in the state to help them practice conservation, green infrastructure and other important measures in sound management of natural resources. These actions can save communities millions of dollars, improve quality of life, protect community character and enhance economic development. Scenic Communities of Mississippi has been funded by the MS Department of Environmental Quality with partners including Keep MS Beautiful, MS Department of Wildlife and Fisheries, MS Forestry Commission, Natural Resource Conservation Services, and various private firms.

Urban Tree Farms

Approximately 67 cities participated in the local nursery program. We provide training, trees, soils and containers for local cities to grow out trees for public plantings. Over 50% of these trees went to coastal communities through our Sister City Program. This accounts for over 10,000 trees planted to date.

Mississippi Urban & Community Forest Cooperative

The cooperative is made up of state, federal and nonprofit groups to determine critical needs of the state and provide resources to address these needs without duplication.

Green Communities E-Newsletter

Electronic newsletters are sent to members of MUFC and Urban Forest Masters with information on new research, technology issues, grants and other resources and events. Published 6x annually, with over 5500 mailings.

Metro-Jackson Urban Forestry Initiative

The metro area project includes model planting sites, comprehensive planning, education, and a campaign promoting the benefits of urban forestry. Impacted 300,000 citizens and planted 250 nursery stock trees.

Legal Issues and Policy Educational Manual

A manual produced by an expert attorney is available for purchase. The manual contains sample ordinances, laws, case histories, expert witness and state/federal guidelines.

Comprehensive Green Infrastructure Planning

The MUFC will assist and provide resources to any city or county wanting to develop a plan. Model plans have been developed for the City of Brookhaven and the City of Jackson, MS.

Celebration of Trees Awards Program

During the annual awards program a series of award winners and success stories are recognized. The winners are then promoted throughout the state to highlight their community service as well as local project success.

Youth Arbor Day Poster Contest

Each year the national Arbor Day Poster Contest is sponsored by MUFC. We recognize teachers and students with winning posters by providing prize packages of \$300, \$100 and \$50. Prize packages are used for educational purposes only. Over 3,000 urban forestry poster curriculum kits from the NADF are mailed to every 5th grade teacher in the state.

Urban Forest Certification Program

Cities, developments or revitalization projects and others sites can obtain a local urban forest certification award by meeting six criteria for qualification. This certification can assist the group in promoting the development, community or site. Signage and publicity are included in each certification.

Ribbons of Green High School Project

'Ribbons of Green' is a new high school program designed to provide hands-on experience for high school students to take what they learn in the classroom and apply it to their community. The program's mission is to educate students and citizens on conservation of natural resources in harmony with community development and revitalization. Students participating inventory linear green spaces, develop educational tools, present information to citizens and learn about career opportunities. The U.S Environmental Protection Agency has provided funding to train five schools or teachers on how to use this program in their area and with their students. Madison Central High School completed the initial pilot project. Toolkits in value of over \$300 were provided free to five participating schools. Career resource guides and training is available to all schools statewide. There are no obligations to teachers or schools to participate in this program.

Relief and Rhythms

Concerts (local) are held using local volunteer musicians to celebrate Earth Day. Trees are planted in honor of these musicians each year.

Educational Workshops

Free workshops are available to any member county or city requesting an educational program. Topics can be chosen based on the local needs. Ten workshops were held throughout last year.

Annual Urban Forest & Arboriculture Conference

Each year an educational conference is held to provide the latest information, training and services available in urban and community forestry. The 2008 Conference was held in partnership with the City of Hattiesburg with 250 participants receiving continuing education credits.

Mississippi Arboretum Trail

This trail system highlights all the communities throughout our state that is the location of a certified arboretum. MUFC has certified arboreta for over 30 years. The system currently has over 30 public arboreta. You will be able to find these arboreta on our linear trail guide on our web site. If your community would like to host an arboretum, we can help you with design, planning and resources.

Regional/National Projects

1. Mississippi Municipal League Magazine Special Edition was developed by MUFC.
2. Scenic Communities - Ribbons of Green and the Mayors Tree Planting Challenge all are regional prototype projects.
3. Partnerships have been developed with several cities to produce model projects connected with Homeland Security, Municipal Landscaping and Historic tree projects.
4. MUFC conducted the first nationwide Coastal Impact Assistance Program to include: Historic Tree Story Telling Tape, Art Posters, Legal workshops, Urban tree farms and educational events.
5. Branding and Certification Program is a model national project.
6. Ribbons of Green is a model project that has been replicated by other schools nationwide.
7. MUFC developed the first community based and farm pollinator education program in the US.
8. MUFC created and developed one of the first Storm Preparedness admission guide for elected officials.

Partners & Sponsors

Mississippi Department of Agriculture and Commerce
USDA Forest Service
USDA Natural Resource Conservation Service
Mississippi Department of Marine Resources
VanZyverden
Mississippi Department of Environmental Quality
Yazoo-Delta levee Board
US Department of Energy
Mississippi Forestry Commission
Canadian National Railroad
America in Bloom

Mississippi Department of Environmental Quality (MDEQ)



Resources Outline

The Mississippi Department of Environmental Quality is responsible for protecting the state's air, land and water. Their mission is to safeguard the health, safety and welfare of present and future generations of Mississippians by conserving and improving our environment and fostering wise economic growth through focused research and responsible regulation.

MDEQ Executive Director and seven members of the Commission on Environmental Quality who serve seven-year staggered terms are appointed by the Governor. The agency consists of four offices, each headed by a director:

- Office of Pollution Control
- Office of Land & Water Resources
- Office of Geology
- Office of Administrative Services

Grants

Mississippi Department of Environmental Quality invites universities, school districts, private organizations, nonprofits, private businesses and local governments in Mississippi to submit applications for the Mississippi Diesel Emission Reduction Grant Program. The goal of this funding opportunity is to reduce diesel emissions from buses, medium-duty or heavy-duty trucks, marine engines, locomotives, non-road engines and equipment used in construction, handling of cargo, agriculture, mining or energy production in Mississippi. The application package and information are available for download on the website. For more information: <https://www.mdeq.ms.gov/air/diesel-emission-reduction-grant-program/> or (601) 961-5536.

Mississippi Department of Environmental Quality

With certain legal exclusions and additions, the term brownfield site means real property, the expansion, redevelopment or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant or contaminant. For complete information on grants and assistance visit: <https://www.mdeq.ms.gov/water/groundwater-assessment-and-remediation/library/general/brownfields/>.

Mississippi Groundwater Trust Fund

In cooperation with the MS Department of Health, under the Federal Safe Water Drinking Act, the MDEQ administers this revolving loan fund for drinking water projects. For more information: 601-961-5171. <https://www.mdeq.ms.gov/water/groundwater-assessment-and-remediation/underground-storage-tanks/assessment-remediation/>. The groundwater trust fund is for USTs. We have this loan program: <https://www.mdeq.ms.gov/>

[about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/water-pollution-control-clean-water-revolving-loan-fund-wpcrlf-program/](https://www.mdeq.ms.gov/about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/water-pollution-control-clean-water-revolving-loan-fund-wpcrlf-program/) and the Health Dept has this one: https://msdh.ms.gov/msdhsite/_static/44,0,127.html.

Solid Waste Grants

The Solid Waste Policy, Planning and Grants Branch administers several solid waste assistance programs that provide grant funding to support a variety of solid waste management activities. For more information: <https://www.mdeq.ms.gov/about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/solid-waste-assistance-grants/> or (601) 961-5171.

Litter Prevention and Recycling Recycling & Solid Waste Reduction Program

The program works with municipal, county, state and federal governments, commercial and industrial facilities, military facilities, schools, institutions including colleges, universities and hospitals and the general public. The goal of the program is to: Increase the amount of recycling and composting in the state; Increase awareness and efforts of non-hazardous and hazardous waste pollution prevention; Increase awareness and efforts of buying products manufactured from recycled materials; and educate the public of the importance of recycling and solid waste reduction. The Recycling and Solid Waste Reduction Program staff works closely with numerous organizations across the state and region. Some of these organizations include Keep Mississippi Beautiful (KMB) and their local affiliates, Mississippi Recycling Coalition (MRC) and the Earth 911 Network. To start a program in your area, view recycling directories, download presentations and obtain other recycling links, visit: <https://www.mdeq.ms.gov/wp-content/uploads/2003/07/RecyclingsolidwasteQ&A.pdf> or call (601) 961-5171.

Pollution: Office of Pollution Control

The Office of Pollution Control, as part of the Department of Environmental Quality is the agency charged with the responsibility of enforcing federal and state laws to "...conserve the air and water and to protect, maintain and improve the quality thereof for public use." For information on permitting, monitoring, compliance and financial/technical assistance: (601) 961-5171.

Water Resources - Quality and Flooding

Adopt-A-Stream increases public awareness of local water resources and builds partnerships to protect waterways. Volunteers learn to survey and map their stream's watershed and conduct biological and chemical monitoring. <http://www.mswildlife.org/AAS/> or (601) 605-1790

Community Growth Readiness

Education program addresses water quality through land use and natural resource planning, with emphasis on polluted runoff. Program assists municipalities in obtaining Phase II Stormwater Permits. <https://www.mdeq.ms.gov/permits/environmental-permits-division/about-epd/branches/401-water-quality-and-stormwater/>

Agriculture

MSU Extension Service



**MISSISSIPPI STATE
UNIVERSITY
EXTENSION SERVICE**

Having a multitude of free publications on everything from community to home environmental health to clean water and healthy trees, this is a wonderful first stop for help with many of your questions regarding agriculture, crops, planting and aspects of managing natural resources. Visit them at [www.http://extension.msstate.edu/](http://www.extension.msstate.edu/) and <http://extension.msstate.edu/county-offices#> to locate and contact your county office. <http://msucares.com>

Mississippi Department of Agriculture & Commerce



(MDAC) Agriculture is Mississippi's number one industry, employing approximately 29% of the state's workforce either directly or indirectly. Agriculture in Mississippi is a 6.3 billion-dollar industry. There are approximately 42,000 farms in the state covering 11 million acres. Agriculture makes a significant contribution to all 82 counties. MDAC is responsible for administering the organic certification program for the state. MDAC has several inspectors trained to certify farms meeting organic requirements in Mississippi. In addition, some of the agencies listed on their website will inspect and certify farms in Mississippi. To view Mississippi's top 10 agricultural crops, find links to Agriculture & Livestock events, workshops, Agri-Tourism, Market Development and more, visit: www.mdac.state.ms.us or (601) 359-1100.

Appropriate Technology Transfer for Rural Areas National Sustainable Agriculture Information Service



ATTRA is a program developed and managed by the NCAT that offers technical assistance in sustainable agriculture. By providing information and research services about sustainable agriculture and farm energy, the ATTRA programs help people reduce the environmental impact of farming. Permaculture principles focus on thoughtful designs for small-scale intensive systems which are labor efficient and use biological resources instead of fossil fuels. Designs stress ecological connections and closed energy and material loops. The core of permaculture is design and the working relationships and connections between all things. Each component in a system performs multiple functions and each function is supported by many elements. Key to efficient design is observation and replication of natural ecosystems, where designers maximize diversity with polycultures, stress efficient energy planning for houses, using and accelerating natural plant succession and increasing the highly productive "edge-zone" within the system. For more information including links to resources, practical applications and more: visit <https://attra.ncat.org/> or call (800) 346-9140. For funding opportunities, visit <https://attra.ncat.org/funding/>.

Farm Families of Mississippi



Every day of our lives, we rely on farmers. From breakfast to dinner, in the cars we drive, in the clothes we wear and the things that we use, the presence of agricultural products is with us every second. It is a blessing that we all take for granted. Farm Families of Mississippi has been created for the specific purpose of promoting Mississippi agriculture to the general public. For children's activity sheets, subscribe to the monthly newsletter and to learn more about Mississippi agriculture and gain an understanding of the importance of farming to Mississippi and the world visit www.growingmississippi.org.

Orion Magazine

As "America's Finest Environmental Magazine", Orion's mission is to inform, inspire, and engage individuals and grassroots organizations in becoming a significant cultural force for healing nature and community. For a free study guide or trial issue, or to subscribe to their bi-monthly magazine, visit www.orionmagazine.org/ or call (888) 909-6568

Southern Sustainable Agriculture Working Group (SSAWG)

The Southern SAWG was founded in 1991 to foster a movement towards a more sustainable farming and food system—one that is ecologically sound, economically viable, socially just and humane. They function as a regional entity, working with and through hundreds of associated organizations across 13 southern states. By building partnerships, sharing information and conducting analysis, they transform isolated ideas and innovations into practical tools and approaches for widespread use. Southern SAWG focuses attention on issues and differing perspectives around food production, marketing, and distribution, and brings sustainable solutions to farmers, families and communities in the south. The vision of Southern SAWG is a world in which everyone has access to wholesome food from a just, sustainable farming and food system that supports good environmental stewardship and quality of life for all. Southern SAWG operates in 13 Southern states including Mississippi. To contact SSAWG, email info@ssawg.org. <https://www.ssawg.org/>

Southern Sustainable Agriculture Research and Education (SSARE)

The Southern SARE's program goal has been to support farmers, researchers, and educators as they explore practices that improve stewardship, profitability, and the social and economic health of farm communities. Mississippi is included in the Southern SARE region. SSARE's mission is to advance, to the whole of American agriculture, innovations that improve profitability, stewardship and quality of life by investing in groundbreaking research and education. To contact your State Agriculture Coordinator, visit <https://www.southernsare.org/About-Us/Contact-SSARE/State-Ag-Coordiators>.



Southern Organic Resource Guide

This is a reference handbook of organic resources in the South including Arkansas, Kentucky, Louisiana, Mississippi and Tennessee. The guide includes: Certification Agencies, Educational and Outreach Resources, Certified Organic Operations, Suppliers of Inputs for Organic Farms, An Introduction to Organic Research.

For more a copy of this guide: www.attra.ncat.org/sorg/downloads/sorg.pdf.

HowToGoOrganic.com



Here you'll find an online collection of existing resources for anyone exploring how to transition to organic.

The Organic Trade Association is proud to offer this premier resource to help cultivate the growth of organic farming. www.howtogoorganic.com/

Farmers' Markets Listing



Markets and contact information listed by County. localfarmmarkets.org

Alcorn State University



Alcorn is the oldest public historically black land-grant institution in the United States and the second-oldest state-supported institution of higher learning in Mississippi. Alcorn's Socially Disadvantaged Farmers and Ranchers Policy Research Center is national

in scope with a strategic focus on reaching the socially disadvantaged farmers and ranchers in high concentrated areas. The mission of the Policy Research Center is to make policy recommendations that will improve the success of socially disadvantaged farmers and ranchers and will be accomplished through a transparent management structure focusing primarily in three areas, research, stakeholder engagement, and outreach. www.alcorn.edu

Natural Resources Conservation Service (USDA)



NRCS works with farmers, ranchers and forest landowners across the country to help them boost agricultural productivity and protect our natural resources through

conservation. NRCS' approach combines locally-led solutions with science and research; landowner stewardship; partnerships; and proven conservation practices to produce results for agriculture and the environment.

<https://www.nrcs.usda.gov>

Association of Specialty Cut Flower Growers



Vision: Cut flower growers supporting each other through education, community, and research.

Mission: Our mission is to support specialty cut flower growers by creating accessible educational opportunities and research for growers at every stage in their development of financially sustainable businesses. We build community through peer-to-peer learning and mentorship. We share an interest in environmental sustainability and the pursuit of personal and financial well-being and success. For information: <https://www.ascfg.org>.

Environmental Protection Agency's National Agriculture Center



Keep up with Agricultural Issues at EPA

Growers, livestock producers, other agribusinesses, and agricultural information/education providers can find regulatory and non-regulatory agriculture-related information and other items of interest to the agriculture community from across EPA. Topics include:

- Pesticides
- Animal manure management
- Agriculture/EPA Partnerships
- Sustainability
- Worker Protection Standard

Sign up for a free subscription email service that provides you with the latest ag-related news from all of EPA. The free News Service allows you to keep up-to-date on recent news releases, regulation changes, compliance deadlines, reports, and other information of direct importance to the agricultural community. Download documents or order hard copies, at EPA's National Service Center for Environmental Publications (NSCEP) page at <https://www.epa.gov/nscep>. NSCEP is EPA's repository of digital and print EPA publications. Search and retrieve, download, print and/or order EPA technical, scientific, or educational materials free of charge.

Best Management Practices (BMP)

Mississippi Department of Environmental Quality BMP

Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas Manual. The purpose of this manual is to assist designers, developers, owners, contractors, and local officials in determining what stormwater regulations apply to their situation, what the BMP to meet those regulations might be, and how to then design and maintain that particular erosion and sediment control BMP. It is intended to provide the competent design professional with the information necessary both to properly meet the minimum requirements of Mississippi's stormwater programs and to be able to design a stormwater BMP that meets the water quality objectives. <https://www.mdeq.ms.gov/>

Urban BMP

Use of Best Management Practices (BMPs) in Urban Watersheds: The purpose is to provide a general description and insight on the various BMP options, the design considerations involved and the general guidelines for selection, implementation, and monitoring of BMPs to reduce pollutants in urban stormwater from new development and re-development. <https://nepis.epa.gov/>



Trapping BMP

The purpose of the BMP process is to scientifically evaluate the traps and trapping systems used for capturing furbearers in the United States. Evaluations are based on animal welfare, efficiency, selectivity, practicality and

safety. Results of this research are provided as information to state and federal wildlife agencies and trappers. The goals of this document are: To promote regulated trapping as a modern wildlife management tool. To identify practical traps and trapping techniques that continue to improve efficiency selectivity, and the welfare of trapped animals. To provide specifications for traps that meet BMP criteria for individual species in various regions of the United States. To provide wildlife management professionals with information to evaluate trapping systems in the United States. To instill public confidence in and maintain public support for wildlife management and trapping through distribution of science-based information. BMPs serve as a reference guide to wildlife management agencies, conservation organizations, tribal nations, researchers, trapper organizations, individual trappers and others interested in the continued improvement of traps and trapping systems.

https://www.fishwildlife.org/application/files/5015/2104/8473/Introduction_comp.pdf

National Trappers Association BMP



In 1996, the Association of Fish and Wildlife Agencies began one of the most ambitious research projects in the history of the conservation movement: a program to develop Best Management Practices (BMPs) for regulated trapping. The BMP program aims to evaluate animal welfare, identify efficient tools and techniques, and develop recommendations for state fish and wildlife agencies to consider as an element of their wildlife management programs. Regulated trapping is a necessary and effective wildlife management tool, and wildlife professionals across the country believe that trapping, using BMPs will ensure the continued improvement of this management technique. Experts from all 50 state fish and wildlife agencies and other conservation groups that care about the environment, natural resources and animal welfare are working together to improve and modernize the technology of trapping through scientific research. <http://www.nationaltrappers.com/bmp.html>

Pesticide BMP



Pesticide Environmental Stewardship
Proper pesticide use avoids harm to honey bees, their food sources, water and habitat. Best Management Practices are not considered

regulatory requirements (such as label directions and local ordinances), but they provide additional practical information for pesticide users, growers, beekeepers and all of us who enjoy the "fruits" of pollination.

<https://pesticidestewardship.org/pollinator-protection/pesticide-applicator-bmps>

Agriculture Nutrient BMP

Best Management Practices for Agricultural Nutrients are farming methods that are designed to minimize adverse environmental effects while maintaining agricultural production. Nutrient BMPs, referred to as the 4Rs—Right rate, Right timing, Right source, and Right placement—should be used on all cropping systems and is

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the first line of defense. Additional BMPs should be used to control nutrients as they move from application area to the water resource. Put together, these BMPs form a system to avoid, control, and trap nutrients. <https://content.ces.ncsu.edu/best-management-practices-for-agricultural-nutrients>

Nursery Industry BMP



Best Management Practices: Guide for Producing Nursery Crops: Guide is designed to help growers identify and promote exceptional management practices, methods and procedures. Any of these management practices can be implemented regardless of nursery size or location, and empowers container and field-grown plant producers to operate at a higher level of efficiency and effectiveness while implementing proactive management practices necessary to produce plants with minimal environmental impact. <https://www.sna.org>

Trail Management BMP

Best Practices for Trail Management is a comprehensive guide to best practices in trail planning, construction, and maintenance. The 99-page guide includes Planning Objectives for a variety of trail types, motorized as well as non-motorized. Barrier-free trails are also discussed, along with vegetation management, signs and wayfinding, and many more details of trail development and sustainable maintenance. <https://www.americantrails.org/resources/best-practices-for-trail-management>

Electric Utility BMP

Best Management Practices for Electric Utilities in Sage-Grouse Habitat This list of BMPs is intended to provide measures and guidance that will assist to conserve sage grouse and their habitat. http://www.aplic.org/uploads/files/15646/SAGR%20BMP%20FINAL_June%202015.pdf

Climate Change BMP

BMP Performance under a Changing Climate –Evaluating Resilience. Monitoring and Assessing Impacts of Changes in Weather Patterns and Extreme Events on BMP Siting and Design. http://www.chesapeake.org/stac/presentations/280_Butcher_BMPsOverview.pdf

Road Salt Maintenance BMP

The purpose of this handbook is to present best management practices for road salt in winter maintenance in a format that is easy to use and access. http://clearroads.org/wp-content/uploads/dlm_uploads/0537_2015-Clear-Roads-Best-Practice-Guide-WEB.pdf

Mosquito Control BMP

Mississippi's best mosquito control program is integrated including point source reduction of breeding areas, routine larviciding and adulticiding only when and where necessary. <https://www.msdh.ms.gov>



Keeping of Bees BMP

Best Management Practices for Beekeepers and Growers. What to know for successful pollination by honey bees. <https://bee-health.extension.org/best-management-practices-for-beekeepers-and-growers/>

Industrial Water User BMP

Best Management Practices for Industrial Water Users Industrial BMPs focus on the water uses most common among Texas industries and in which cost-effective measures for increasing water use efficiency are well understood. <http://www.twdb.texas.gov/conservation/BMPs/Ind/doc/IndMiniGuide.pdf>

Wastewater Treatment BMP

This article describes the typical best practices and strategies used in the pulp and paper industry to manage water, including ways to reduce the water usage in a typical mill. <https://paper360.tappi.org/2017/11/30/best-practices-for-wastewater-treatment-and-management/>

Brewery Operation BMP

King County has developed these BMPs for brewery wastewaters that are activities, procedures, and features designed to minimize pollutants discharged to the sanitary sewer or released to the environment. https://www.kingcounty.gov/~media/services/environment/wastewater/industrial-waste/docs/TechAssistance/1703_Brewery-BMPs.ashx?la=en

Erosion and Sediment Control BMP

The primary purpose of this Erosion and Sediment Control BMP Manual is to serve as a contract document to aid in contract administration during construction activities on MDT projects. This manual will also assist Contractors in identifying appropriate pollution prevention and temporary erosion and sediment control measures for use during construction activities for projects administered by MDT. A third objective is to assist MDT personnel in inspecting, maintaining, replacing, and removing BMPs on MDT projects following completion of contractor responsibilities. Manual: <https://www.mdt.mt.gov/publications/docs/manuals/env/bmp-manual-an15.PDF>



Environmental Protection Agency BMP

National Menu of BMP's for Stormwater EPA has found the practices listed in the menu of BMPs to be representative of the types of practices that can successfully achieve the minimum control measures. <https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>.

Vehicle Services BMP

This guide provides general BMPs for automotive dealers and the automotive services industry such as body repair, maintenance, services stations, and auto recycling facilities. The BMPs are not limited to those presented in this handout. Additional resources are listed for a more extensive array of BMPs available. <https://www.cityofsolvang.com/DocumentCenter/View/1927/Automotive-Guide-to-BMPs-English>

Oil and Gas Drilling BMP

The focus of this website is a searchable database addressing surface resources affected by oil and gas development. The database includes both mandatory and voluntary BMPs currently in use.

<http://www.oilandgasbmeps.org>

Drinking Water BMP



The purpose of this BMP Manual is to make available general guidance for water utilities and promote the implementation of BMPs that minimize and/or reduce, to the MEP, the introduction of pollutants from drinking water system releases to receiving waters. This BMP Manual includes technically feasible, practicable, and cost-effective BMPs, which are reasonably expected to minimize and/or reduce the discharge of pollutants to the MEP. At this time, it is impractical and economically infeasible to provide treatment methods for drinking water system discharges from drinking water treatment, conveyance, and distribution systems to beyond appropriate industry standard BMPs and control measures. [https://ca-nv-awwa.org/CANV/downloads/Armando/2014BMPManual\(Final\).pdf](https://ca-nv-awwa.org/CANV/downloads/Armando/2014BMPManual(Final).pdf)

Forestry Commission Water Quality BMP



The Mississippi Forestry Commission challenges forest landowners to protect our natural resources. This includes protecting not only our nation's forested lands, but also our water resources. The Clean Water Act requires

landowners to take the appropriate steps to prevent water pollution. <http://woodlandcert.msucares.com/content/module-6/module-6-units/unit-1-%E2%80%9393-best-management-practices-bmps-water-quality>

Vehicle & Equipment Washing BMP

Recommended Best Management Practices for Mobile Vehicle and Equipment Washing BMPs are recommended to help reduce the amount of pollutants dis-

charged throughout mobile washing procedures and improve the efficiency of the process. https://floridadep.gov/sites/default/files/bmps4mobile-vehicle-washing_1.pdf

Community Growth BMP

Community Growth Best Management Practices for Conservation of Karst Recharge Zones. To minimize threats to groundwater quality and endangered species in these recharge zones, the Service and our partners recommend the following Community Growth Best Management Practices (BMPs). <https://www.fws.gov/arkansas-es/docs/General%20Karst%20big%20BMP%20packet.pdf>



Shoreline BMP

Best Management Practices for Shoreline Stabilization to avoid and minimize adverse environmental impacts. This paper outlines BMP's that can be utilized as conservation measures to avoid, minimize, and mitigate adverse environmental impacts from shoreline stabilization projects: <https://www.fws.gov/charleston/pdf/PIPL/BMPs%20For%20Shoreline%20Stabilization%20To%20Avoid%20And%20Minimize%20Adverse%20>

Laundry Facilities BMP

This BMP is an important component of an overall plan for minimizing sanitary sewer overflows, protecting the City-Parish treatment plant and the environment. The City-Parish thus require the facilities to obtain an Industrial User Discharge Permit, and the permit is driven by the policies and BMPs found in this document.

<https://www.brla.gov/DocumentCenter/View/622/BMPs-for-Laundry-Facilities-PDF>

Fat, Oil and Grease BMP

Kitchen Best Management Practices for Fats, Oils, and Grease (FOG). The best way to stop FOG from building up in sewer lines is to prevent it from entering your drains, by using "Kitchen Best Management Practices."

<https://www.ocsd.com/home/showdocument?id=543>

Fish and Wildlife Habitat BMP

Managing Forests for Fish and Wildlife

Successful forest management for wildlife requires an



understanding of how specific timber management treatments affect the targeted fish and wildlife species.

https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_010130.pdf

Bird Conservation BMP

Bird Conservancy of the Rockies Best Management Practices for Grassland Birds

The purpose of this manual is to inform land managers about the potential impacts of land use and management decisions on grassland birds, and provide broad guidance based on the best available science on how to negative impacts to birds. <https://birdconservancy.org/wp-content/uploads/2017/03/Bird-Conservancy-BMP-for-Grassland-Birds-CSLB.pdf>

Community Composting BMP

Community Composting Done Right: A Guide to Best Management Practices:

Part 1: For New Composters and New Sites summarizes composting basics, site and site plan considerations, and steps to prepare for composting.

Part 2: The Science and Art of Composting provides a deep dive into the composting pile with an overview of important composting science principles.

Part 3: Managing the Composting Process and Your Site reviews monitoring and recordkeeping, curing and using finished compost, best management practices, and health and safety considerations.

<https://ilsr.org/composting-bmp-guide/>

Building Resilient Communities BMP

Building Resilient BMP Toolkits

This exercise should include evaluating all best management practices (BMPs) for vulnerabilities and

considering how to best deploy them within the community to continue achieving intended water quality benefits:

<https://www.estormwater.com/building-resilient-bmp-toolkits>



Maintaining Your BMP

A Guidebook for Private Owners and Operators. This Guidebook outlines basic maintenance and planning tasks that will help keep your BMP functioning properly. <https://www.deq.virginia.gov/Portals/0/DEQ/Water/Publications/BMPHandbook.pdf>

BMP Auction

Community Environmental Program
This is a cutting edge allocation process that is being used in several watersheds within the state. We set up a "reverse auction" where producers within a watershed place "bids" to adopt runoff-reducing BMPs on their land. http://www.ksu-olg.info/cep_bmp.html

Best Management Practices (BMPs) Siting Tool

BMPs Siting Tool identifies potential suitable locations/ areas for implementing different types of BMPs or low impact development (LID) controls. It supports users with selecting suitable locations that meet the defined site suitability criteria, such as drainage area; slope; hydrological soil group; groundwater table depth; and road, stream, and building buffers. It is designed to be used by anyone interested in reducing runoff from a property, including site developers, landscape architects, and urban planners. <https://www.epa.gov/water-research/best-management-practices-bmps-siting-tool>



Community Lakes BMP

Sanibel Community Lakes Best Management Practice (BMP) Program A majority of the BMPs listed involve very simple, straightforward strategies and/or behavioral changes that can result in reduced nutrient levels and improved water quality. Environmental values are held in high regard on Sanibel. <https://www.mysanibel.com/content/download/22755/139229>



Community Associations and Stormwater Detention Basins

The key documentation that outlines the responsibilities of the HOA for Stormwater BMPs in the community is the Stormwater Maintenance Agreement with the locality. <https://www.solitudelakemanagement.com/blog/stormwater-management-hoas-community-associations>

Maintenance Ordinance BMP

SWEMA provides valuable experience, insight, and real hands-on help to regulators as they develop stormwater stands and regulations. The following model stormwater ordinance was developed in consultation with numerous stakeholders including BMP manufactures, BMP maintenance companies, and civil engineers. https://www.stormwaterassociation.com/assets/docs/swm_july2013_swema%20maintenance%20ordinance%20final.pdf

National Park Service BMP

The goal of this toolbox is to share knowledge and best practices among water trail managers, whether you are working on new or well-established water trails. <https://www.nps.gov/>



Bike Lane BMP

This BMP guide is intended to provide Complete Streets planning, design, and implementation guidance to ATRC staff, city planning/public works departments, MDOT, and concerned citizens, business owners, and civic organizations. It also offers its users design concepts, dimensions, and application details that re-focus professional attention on Complete Streets, with a special emphasis on walking, biking, and transit use, while also prioritizing safety for those who drive.

Economic Development BMP

Economic analysis of stormwater retrofits focuses on three key components of the financing process. The first component is revenue. A critical issue facing watershed restoration efforts is the need to leverage sufficient, sustainable revenues necessary to implement and maintain critical stormwater management programs. The second key financing component is institutional capacity. Effective financing requires efficiency, and the complex nature of water infrastructure and water quality programs requires effective financing institutions. Many communities have explicitly made increasing institutional capacity a priority in their efforts to better allocate and manage fiscal resources. The third component is for financing decision-makers to develop investment strategies that maximize return on investment. <https://www.werf.org/liveable-communities/toolbox/economic.htm>

Water Quality BMP

The state of Mississippi and the Mississippi Department of Environmental Quality's (MDEQ) General Permits Branch of the Environmental Permits Division (EPD) require that properly designed Best Management Practices and stormwater management to ensure that water quality is not compromised when discharge enters the waters of the state. Mississippi Stormwater online training and credentials: <https://stormwaterone.com/mississippi-storm-water-management>

Storm Water Management

Any time there is development in Harrison County that requires the submission of a site plan the County Engineering Department will need to review and approve the plan for proper storm water quantity management. If the proposed development will disturb one or more acres of land, and less than five acres, the Engineering office will also need to review and approve the plan for proper storm water quality management. The Engineering Department currently adheres to the requirements of the County Subdivision Regulations' Storm Water Management Requirements for stormwater quantity management. <http://co.harrison.ms.us/departments/engineering/stormwater.asp>

EPA's Non Point Source Pollution

The EPA's website explains what nonpoint pollution is.



Find out more about nonpoint source pollution programs in the area; how to prevent nonpoint source pollution; healthy watersheds; and protecting and conserving valuable ecosystems. <http://www.epa.gov/owow/nps/>

Stormwater - National Menu



The menu of BMPs is based on the stormwater Phase II rule's six minimum control measures. EPA has found the practices

listed in the menu of BMPs to be representative of the types of practices that can successfully achieve the minimum control measures.

<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>

Mississippi Department of Marine Resources



ENHANCE PROTECT CONSERVE

The Department of Marine Resources website has a lot of great information for children, teachers, boaters, marinas, etc. There is plenty of information on nonpoint source pollution, how to prevent stormwater runoff, and best management practices by Mississippi Gulf Coast Stormwater Management Toolbox.

<http://www.dmr.state.ms.us/>

MSU Extension Service



This website contains publications on various topics. Correct Use of Your Septic

Tank, Control of Garden Bugs, Household Cleaning Products, Maintaining a Sanitary Septic System, Lawn Mulching for Homeowners, Non-Chemical Weed Control and many more. <http://msucares.com/pubs/infosheets/is1844.pdf>

EPA's Non Point Source Pollution Kids Page



This page is geared towards getting our youth involved with

articles, activities and games for kids. <http://www.epa.gov/owow/nps/kids/>

Conservation

The Nature Conservancy (TNC)



This agency works around the world to protect ecologically important lands and waters for nature and people.

TNC helps landowners and/or

developers who need to compensate for authorized impacts to wetlands. They offer the option of purchasing credits from mitigation bank instead of requiring landowners/developers to bear the restoration burden themselves. To learn more about TNC's work in MS visit:

<https://www.nature.org/en-us/about-us/where-we-work/united-states/mississippi/> or <https://www.facebook.com/MississippiTNC/> or (601) 713-3355.



The Conservation Fund

This is a nonprofit organization that treats conservation as their

business. They provide the skills, strategies and funds that their partners need to fulfill conservation priorities swiftly and successfully. With support from donors, they partner with community, government and corporate leaders to protect America's favorite outdoor places and to conserve

healthy, sustainable communities. They operate leanly, with no formal membership, charitable endowment or political agenda. For more information:

www.conservationfund.org/ or (703) 525-6300.

US Department of Agriculture (USDA)



Natural Resources Conservation Service (NRCS)

Agricultural Conservation Center Provide grants and agreements for development and transfer of technology to NRCS offices nationwide. For more

information: www.whmi.nrcs.usda.gov or (601) 607-3131.

Mississippi Museum of Natural Science



The program provides Environmental Reviews, Information pertaining to Mississippi's State and Federally Listed Species, Mississippi's Scenic Streams Stewardship Program, Mississippi's Natural

Areas Registry and State/Federally Listed Species Data is available online, by county, on the Mississippi Museum of Natural Science's Website. They offer technical assistance via Mitigation Reviews, Mississippi's Scenic Streams Stewardship Program and Native Pollinator Information. For more information: <https://www.mdwfp.com> or (601) 354-7303.

Mississippi Main Street Association



The mission of the Mississippi Main Street Association is to provide leadership, guidance and counsel to

Mississippi Main Street communities through organization, promotion, design and economic development to make our cities and towns better places to work, live and play. Mississippi Main Street Association is a program of the National Trust for Historic Preservation and the Mississippi Development Authority. Main Street is an economic development program based in historic preservation. Mississippi Main Street Association has many strategic partners in Mississippi including the Mississippi Development Authority, Mississippi Division of Tourism, Mississippi Department of Archives and History, Mississippi Arts Commission, Mississippi Heritage Trust, Mississippi Urban Forestry Council, the Carl Small Town Center at the Mississippi State University School of Architecture, the MSU Community Action Team and the Mississippi Department of Transportation. For more information: www.msmainstreet.com/ or (601) 944-0113.



Gulf Restoration Network

The Gulf Restoration Network is committed to uniting and empowering people to protect and restore the natural resources

of the Gulf Region for future generations. The Gulf Restoration Network works to provide technical support and mentoring to grassroots groups, to connect our members to developments on national and regional issues of importance to their work and to provide coordination, when needed, of member activities across the region.

For more information: <http://healthygulf.org/> or

Mississippi Soil & Water Conservation Commission (MSWCC)

The mission of the MSWCC is to effectively guide, promote and demonstrate the conservation, development, protection and proper utilization of the soil, water and related resources of the state. They host multiple contests for students and provide conservation training. They have a conservation handbook available and you can purchase wildflower seeds through their Wildflower Conservation Program. For more information: www.mswcc.state.ms.us or (601) 354-7645.

Ducks Unlimited (DU)



A non-profit organization, Ducks Unlimited is a grassroots, volunteer-based organization. Its members are conservationists and outdoor enthusiasts who live primarily throughout the United States, Canada and Mexico. Ducks Unlimited conserves, restores and manages wetlands and

associated habitats for North America's waterfowl. These habitats also benefit other wildlife and people. For more information: www.ducks.org/ or (800) 453-8257.

Jackson Audubon Society

A Chapter of The National Audubon Society promoting conservation and education through birding. They have a monthly chapter meeting, a Family Bird Walk in LeFleur's Bluff State Park Campground, Educational material like the opportunity to borrow the DinoBird Kit (all birds are dinosaurs) for your classroom for up to a month and much more. For more information and to download a calendar of events: www.jacksonaudubonsociety.org or (601) 956-7444.

Scenic America

Throughout the nation, in cities, towns and rural areas, threats abound to the beauty of the landscape and the fundamental character of communities. These threats take many forms, from poorly planned growth, to suburban sprawl and the loss of precious open space, to visually intrusive structures like billboards and overhead power lines. Yet, these threats are not going unchallenged. Many national, statewide and local organizations and countless individual citizens, work tirelessly to restore the promise of America the Beautiful and protect our irreplaceable scenic resources. Scenic America is the only national non-profit organization exclusively devoted to protecting the visual heritage of the nation and is best positioned to unite these disparate and diverse constituencies in a powerful national movement for scenic conservation. They need your help to: Fight Billboard Blight; Reduce Visual Intrusion and Protect Open Space; Preserve the Visual Qualities of Public Lands and Encourage Scenic and Context-Sensitive Highways. For more information: www.scenic.org/ or (202) 638-3171.

The Gulf of Mexico Foundation (GMF)

In May of 1990, private citizens representing fisheries, business, industry, tourism, agriculture and environmental conservation came together to form the Gulf of Mexico Foundation (GMF), a private non-profit 501(c)(3) corporation.



The founders set out to provide leadership, energy and resources aimed at maintaining a sustainable balance in the health and productivity of the Gulf of Mexico, the most economically productive body of water within the territorial seas of the United States. The mission of the GMF is to promote and facilitate conservation of the health and productivity of the Gulf of Mexico and its resources. The GMF's Conservation and Restoration programs tackle their mission from every angle, working to fund on-the-ground restoration, streamline resource management practices, support habitat protection and provide resources to organizations, agencies and the general public. For more information on their Conservation/Restoration and Educational Programs visit

www.gulfbase.org or call (800) 884-4175.

The Gulf of Mexico Alliance is a partnership, initiated by the states of Alabama, Florida, Louisiana, Mississippi and Texas, intent on significantly increasing regional collaboration to enhance the ecological and economic health of the Gulf of Mexico. The Alliance has identified six priority issues that are regionally significant and can be effectively addressed through increased collaboration at the local, state and federal levels. Building on successes of the first Action Plan, the Gulf States and their partners developed the Governors' Action Plan II, a farther-reaching, five-year regional plan that looks to expand partnerships. The core goals of the 2006 Action Plan were to build partnerships and lay a foundation for a true regional approach. Action Plan II sets a course for actions designed to improve the health of coastal ecosystems and economies of the Gulf in ways that a single entity could not achieve. Since the release of the Governors' Action Plan II, the five Gulf States are scheduling community workshops across the region to get public input. Information regarding these workshops will be posted on the Community Workshops link on their website and are open to the general public. To view the Action Plans and other publications or to obtain meeting dates visit <http://gulfofmexicoalliance.org> or (228) 523-4014.

US Geological Survey (USGS)

The USGS is a science organization that provides impartial information on the health of our ecosystems and environment, the natural hazards that threaten us, the natural resources we rely on, the impacts of climate and land-use change and the core science systems that help us provide timely, relevant and useable information. There are 6.6 billion people on the earth and that number is increasing every day – human influence on our planet is ever more apparent. Changes to the natural world combined with growing human demands threaten our health and safety, our national security, our economy and our quality of life. The time to respond to these challenges is now but we face difficult choices. With competing priorities to balance and potentially serious – perhaps irreversible – consequences at stake, our leaders need reliable scientific information to guide their decisions.



The Ecological Footprint Quiz



Ever wondered how much “nature” your lifestyle requires? You’re about to find out. The Ecological Footprint Quiz estimates the amount of land and ocean area required to sustain your consumption patterns and absorb your wastes on an annual basis. After answering 27 easy questions you’ll be able to compare your Ecological Footprint to others and learn how to reduce your impact on the earth. To take the quiz visit <http://myfootprint.org/en>.

Crime Prevention

National Crime Prevention Council

Crime Prevention Through Environmental Design (CPTED) incorporates principles of landscape design and architecture into creating crime-free communities and increasing the quality of life in crime-ridden neighborhoods. CPTED provides courses, training, presentations, and a handbook. For more information: www.ncpc.org/ or (202) 466-6272.

Center for Homeland Defense and Security (CHDS)



All CHDS programs are focused on leadership development to enable the United States to win the war on terrorism. Through graduate and executive level coursework, seminars, and research, homeland security leaders gain the analytic skills and substantive expertise they need to counter terrorism. The programs also prepare leaders to bridge gaps in interagency and civil-military cooperation by bringing together a diverse range of participants to share perspectives and lay the foundation for long-term homeland security collaboration. For more information: www.chds.us/?home or (831) 402-4672.

U.S. Army Corps of Engineers (USACE)



USACE’s mission is to provide vital public engineering services in peace and war to strengthen our Nation’s security, energize the economy and reduce risks from disasters. Their vision: A GREAT engineering force of highly disciplined people working with our partners through disciplined thought and action to deliver innovative and sustainable solutions to the Nation’s engineering challenges. The Corp provides a range of services and benefits to citizens and community leaders. Learn more at www.usace.army.mil/Missions/Environmental.aspx or (601) 631-5000.

Economic Development

MS Economic Development Council (MEDC)



The Mississippi Economic Development Council, Inc. (MEDC) is a professional association of economic development, chambers and associated stakeholders who work together to advance the profession and to advance economic development efforts in Mississippi through

advocacy, collaboration, education and by providing resources to its members. MEDC is the voice of the economic development profession in the state. For more information: <http://medc.ms/> or <https://www.facebook.com/medcinfo/> or (601) 352-1909.

USDA Rural Development



USDA’s financial programs support such essential public facilities and services as water and sewer systems, housing, health clinics, emergency service facilities and electric and telephone service. They promote economic development by supporting loans to businesses through banks, credit unions and community managed lending pools. They offer technical assistance and information to help agricultural producers and cooperatives get started and improve the effectiveness of their operations. They provide technical assistance to help communities undertake community empowerment programs. For more information: www.rd.usda.gov/ or <https://www.facebook.com/TeamRDWash/> or 800-670-6553 or 601-965-5460.

Mississippi Technology Alliance (MTA)



The vision of the MTA is for Mississippi to have strong, fully integrated technology, education and industrial sectors so that Mississippians can enjoy higher paying jobs and a more diverse, stable and competitive economy. The goals of the MTA are to: assist companies, especially early-stage companies and entrepreneurs in the technology sector by helping them plan and grow their businesses. For more information: www.technologyalliance.ms or (601) 960-3610.

Mississippi Development Authority (MDA)

Through its programs and activities, the Energy Division promotes the efficient and environmentally acceptable use of energy in all sectors of the State’s economy. The Energy Division also encourages an environment that enhances the State’s access to cost competitive, available energy resources, ultimately benefiting economic development in Mississippi. For more information: www.mississippi.org/index.php?id=4 or (601) 359-3449.

Delta State University

Delta State University’s Local Government Leadership Institute in partnership with the John C. Stennis Institute of Government & Community Development at Mississippi State University and the Mississippi Municipal League offers its service in the following ways: monthly workshops and trainings, information and resources, and opportunities for networking and collaboration. <http://www.deltastate.edu/>

Energy

Mississippi Department of Marine Resources (MDMR)
MDMR is dedicated to the conservation, reclamation and preservation of Mississippi's tidelands while enhancing current public access areas. Grants are provided annually. For more information: www.dmr.ms.gov or (800) 374-3449.

National Renewable Energy Lab (NREL)



Whether you are leading a building energy efficiency retrofit, a renewable energy implementation project, a clean transportation transition, or a large-scale clean energy initiative, NREL can help you get the job done. Learn how they are helping put clean energy technologies on the ground to provide real-world solutions to today's energy challenges. They offer a wide range of capabilities and resources that support clean energy technology deployment projects on various scales for governmental and private businesses and institutions. For more information: www.nrel.gov/ or (303) 275-3000.

Local Governments for Sustainability (ICLEI)

International Council for Local Environmental Initiatives ICLEI is a membership association of local governments committed to advancing climate protection and sustainable development. Since its inception in 1990, ICLEI has grown to include over 1,100 cities in the world, more than 600 of which are in the United States. At ICLEI USA our mission is to build, serve and drive a movement of local governments to advance deep reductions in greenhouse gas emissions and achieve tangible improvements in local sustainability. ICLEI members receive access to: Clean Air Climate Protection (CACP) software & training; Tool, publications and other resources; state, regional, national and international peer networking; Technical, policy and communications expertise and assistance; Annual training and leadership events and much more. For information on how your community can become a member: www.icleiusa.org/ or (617) 960-3420.

Tennessee Valley Authority



Learn about many energy saving tips including an energy calculator. Visit www.energyright.com.

Calculate Your Carbon Footprint
www.whatsmycarbonfootprint.com/calculate.htm



Forestry/Trees

Arbor Day Foundation



Inspiring people to plant, nurture and celebrate trees

since 1972, this non-profit, membership organization offers a multitude of programs, from entire community programs, such as Tree City USA to children's programs, like Tree Campus K-12. Get 10 free trees when you become a member of the Arbor Day Foundation. Get landscaping tips and shop online for fruit trees, flowering trees, evergreens, etc. For more information: www.arborday.org/ or <https://www.facebook.com/arborday/> or (888) 448-7337.

Tree Board University



This unique online training will help you learn more about trees, about people and about serving in a citizen advisory role in your city, town or community. There are eight courses you can take at your own pace. Each course includes videos, multimedia presentations, reference documents and online links to additional information. Upon completion of the eight courses, you will be able to join an online social networking community, where you can post questions and interact with other like-minded Tree Board members from across the USA. Sign up now to be a part of this new learning experience. For more information: www.treeboardu.org/.

Firewise Communities

This program, from the National Fire Protection Association and administered locally by the Mississippi Forestry Commission, encourages local solutions for wildfire safety by involving homeowners, community leaders, planners, developers, firefighters and others in the effort to protect people and property from the risk of wildfire. For more information: <http://firewise.org/> or (617) 984-7486; <https://www.facebook.com/firewise/> or (800) 344-3555.

Louisiana Public Broadcasting

"The Forest Where We Live Documentary"



This Louisiana Public Broadcasting documentary examines how advances in technology and changes in priorities are prompting communities throughout America to reconsider how vital trees really are to the socio-economic well-being of our cities. Visit <https://www.lpb.org/shop/items/return-to-the-forest-where-we-live> to purchase the DVD or (800) 272-8161.

Mississippi Department of Agriculture & Commerce



The Keep Mississippi Beautiful organization started the "Avenue of Magnolias" program over 40 years ago. For a minimum donation of \$25, a specific newly planted tree will be dedicated in memory or honor of your designee. Records of contributions are displayed in the Mississippi Department of Archives and History. For more information: <https://www.mdac.ms.gov/agency-info/programs/keep-mississippi-beautiful-project/> or <https://www.facebook.com/KeepMississippiBeautiful/> or (601) 359-1100.

Alliance for Community Trees (ACT)

ACT is an Arbor Day Foundation Program whose mission is to support grassroots, citizen-based nonprofit organizations dedicated to urban and community tree planting, care, conservation, and education. ACT offers free newsletters, webcasts, training and other resources. For more information: <http://actrees.org/site/resources/funding/date/> or (888) 448-7337.



Mississippi Urban Forest Council

The Mississippi Urban Forest Council has been assisting citizens and communities for over 20 years with a variety of forestry, community development and green infrastructure projects. Their mission is to promote healthy and sustainable urban and community forests which contribute to clean air and water, economic stability, green places for all Mississippians. MUFC offers programs, events, programs and urban forestry resources. Membership is available and levels begin at \$45. For more information visit: www.msurbanforest.com or <https://www.facebook.com/msurbanforest/>. Contact the Executive Director, Donna Yowell at dyowell@msurbanforest.com or (601) 672-0755.



Society of American Foresters (SAF)

SAF is a nonprofit organization whose mission is to advance sustainable management of forest resources through science, education, and technology. SAF members include natural resource professionals in public and private settings, researchers, CEOs, administrators, educators and students. SAF is the national scientific and educational organization representing the forestry profession in the United States. Founded in 1900 by Gifford Pinchot, it is the largest professional society for foresters in the world. For more information: www.eforester.org, <https://www.facebook.com/SAForesters/> or 301.897.8720.



Forest Stewardship Council (FSC)

FSC's purpose is to coordinate the development of forest management standards throughout the different bio-geographic regions of the U.S., to provide public information about certification and FSC, and to work with certification organizations to promote because FSC is the gold standard in forest certification.



It is the only system supported by groups such as WWF, Sierra Club, Greenpeace, Natural Resources Defense Council and National Wildlife Federation. Today, more than 380 million acres of forest are certified under FSC's system, including more than 150 million acres in the US and Canada. For more information: <http://fscus.org/> or 612.353.4511.

Mississippi Forestry Commission (MFC) Forest Stewardship Program



The MFC's mission is to provide active leadership in forest protection, forest management, forest inventory, and effective forest information for Mississippi's sustainable forest-based economy. Promotes active and informed participation of private landowners in management and use of all natural resources in their care. The Forest Stewardship Program is funded by the USDA Forest Service and administered by the Mississippi Forestry Commission. Technical assistance is provided by local, federal, state, and private natural resource agencies and organizations. Resources include: Mississippi Trees Brochure - Identifies common trees of Mississippi. <https://www.mfc.ms.gov/node/284> Tree Planting Resource Provides seedling and tree planting information. <https://www.mfc.ms.gov/tree-planting-resources>. Statewide Forest Inventory: <https://www.mfc.ms.gov/forest-inventory>. For more information on MFC's Forest Stewardship Program visit: <https://www.mfc.ms.gov/Forest-Stewardship> or <https://www.facebook.com/MSForestryComm/> or (601) 359-1386.

American Tree Farm Service (ATFS)

ATFS is a program of the American Forest Foundation (AFF). ATFS provides the tools and information to help Tree Farmers and woodland owners keep forests healthy and productive. Tree Farmers are landowners who voluntarily manage their woodlands for the continuing growth of forest crops for commercial purposes while protecting environmental benefits. <https://www.treefarmsystem.org/mississippi> or 662-325-7948.



Southern Forests Network

The Southern Forests Network is a community of people, organizations, and businesses working to conserve private forestlands and cultivate sustainable forest-based economies in the South. For more information on programs and services, visit <https://www.southernforests.org/services/forest-products-network> or call (828) 277-9008.



Mississippi Forestry Association (MFA)

MFA is a not-for-profit organization representing a broad range of members in Mississippi's forestry community such as timberland owners, professional foresters, logging contractors, forest products manufacturers, wood fiber suppliers, state and federal



agencies and suppliers of products and services. MFA's Vision is to serve as the "Voice of Forestry" in Mississippi. MFA's Mission is leading diverse groups to promote landowner rights, environmental stewardship, member prosperity and community understanding. MFA members and staff work to accomplish this Mission by conducting public affairs, communication and education programs that will foster better understanding and appreciation of conservation, development and use of forest land and resources. Member benefits include low cost Hunt Club Liability Insurance, quarterly Tree Talk magazine, monthly Voice of Forestry e-newsletter and much more. For more information: www.msforestry.net, <https://www.facebook.com/MSForestry/> or (601) 354-4936.

MISSISSIPPI STATE UNIVERSITY™ EXTENSION

MSU Extension Service is a vital division of every land grant university in the United States. Each state has a land grant university system. MSU is part of the land grant university system in Mississippi. <http://extension.msstate.edu/natural-resources/forestry>

Know Your Trees helps you identify some of Mississippi's important trees. Some trees are common, while others are unique. <http://extension.msstate.edu/publications/publications/know-your-trees-0>; <https://www.facebook.com/MSUExtService>

Center for Urban Forest Research – US Forest Service



This site provides customers with reliable scientific evidence that the benefits of urban forests add real value to communities.

www.ts.ted.us/psw/programs/uesd/uep or (510) 883-8830

Grants & Financial Assistance

Mississippi Commission for Volunteer Service (MCVS)

The MCVS engages and supports Mississippians of all ages and backgrounds in service to their communities. MCVS oversees a large part of Mississippi's national service family, as well as a network of 10 Volunteer Centers helping local organizations meet local needs. For more information: www.mcv.org or (888) 353-1793.



Appalachian Regional Commission (ARC)

This is a federal-state partnership that works for sustainable community and economic development in Appalachia including the Appalachian Community Learning Project (ACLP) and more. Each year ARC provides funding for several hundred projects in the Appa-



lachian Region, in areas such as business development, education and job training, telecommunications, infrastructure, community development, housing and transportation. These projects create thousands of new jobs; improve local water and sewer systems; increase school readiness; expand access to health care; assist local communities with strategic planning and provide technical and managerial assistance to emerging businesses. For more information: www.arc.gov or (202) 884-7700.



Delta Regional Authority (DRA)

The DRA is designed to remedy severe and chronic economic distress by stimulating economic development and fostering partnerships that will have a positive impact on the region's economy. The DRA will help economically distressed communities to leverage other federal and state programs which are focused on basic infrastructure development and transportation improvements, business development and job training services. For more information: www.dra.gov or (662) 624-8400.

Local Government Environmental Assistance Network



Provides assistance on environmental management, planning, funding, and regulatory information for local government elected and appointed officials, managers, and staff. www.lgean.org or (877) 865-4326

Alternative fuel incentives offers funding and financial incentives for organizations interested in converting



vehicles to alternative fuels. For more information: www.nrel.gov/ or (303) 275-4090.

Farm Services Agency (FSA) USDA

The Farm Loan Program helps producers manage credit needs. The FSA makes and guarantees loans and provides credit counseling and supervision to farmers who are temporarily unable to obtain private and/or commercial credit. Loans and Grants are also available for sponsored projects for youths ages 10-20. For more information: www.fsa.usda.gov/FSA or (202) 720-4034.



Keep Mississippi Beautiful Grant Program

Keep America Beautiful Community Restoration and Resiliency Fund benefits Keep America Beautiful Affiliates that serve communities directly affected by natural and environmental disasters. The fund provides immediate and long-term support for initial and ongoing cleanup-efforts and helps rebuild vital public spaces: parks, greenways, community gateways, Main Street/downtown areas, open spaces and more.

Keep America Beautiful



To inspire and educate people to take action every day to improve and beautify their community environment. During the Great American Cleanup, Keep America

Beautiful

affiliates, partner organizations, corporate partners and millions of volunteers remove litter and debris from roadsides, highways, shorelines and waterways for safer, cleaner communities; plant trees, flowers and gardens to strengthen our community's green infrastructure; clean and restore nature trails, recreation areas and playgrounds to encourage play and physical activity; recycle aluminum cans, plastic bottles, electronics, paper products, tires, clothing and even junk cars to give garbage another life; Rebuild public spaces in communities struck by natural disasters to renew social connections; and restore urban, suburban and rural business districts and thoroughfares to spur economic impact.

Southeast Recycling Development Council

The Southeast Recycling Development Council (SERDC) will offer funding to deliver needed recycling infrastructure in the Southeast through the launch of a recycling infrastructure grant program. Investment in physical infrastructure, such as recycling carts, material recovery facility (MRF) upgrades, recycling trucks or transfer stations to unlock investments in curbside recycling infrastructure, are key to dramatically increasing material recovery connecting material generation with hungry end markets in the southeast and helping to close the loop for packaging.

Whole Kids Foundation Garden Grant Program

Through the Whole Kids Foundation Garden Grant Program, organizations turn outdoor spaces into powerful hands-on learning gardens that connect kids with foods and spark their curiosity. Awards of up to \$2,000 will be made to support a new or existing edible educational garden at K-12 schools and 501(c)(3) nonprofit organizations. Eligible applicants include schools and nonprofits that work with K-12 children, including after-school programs and botanical gardens. Applications must be received by October 15. Learn more and apply.

Mississippi Department of Environmental Quality

The Nonpoint Source Program provides financial assistance to other state agencies, local governments, universities, and non-profit organizations to implement these NPS projects through the Clean Water Act's Section 319 Grant. <https://www.mdeq.ms.gov/about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/nonpoint-source-pollution-control-grants/>

National Oceanic and Atmospheric Administration

Education grants in support of NOAA's mission. In October of 2019, the NOAA Office of Education's Environmental Literacy Program will issue a competitive funding

opportunity for projects designed to build the environmental literacy of K-12 students and the public for community resilience. <https://www.noaa.gov/office-education/elp/grants>



United States Environmental Protection Agency (EPA)



Every year, EPA awards more than \$4 billion in funding for grants and other assistance

agreements. From small non-profit organizations to large state governments, EPA works to help many visionary organizations achieve their environmental goals. With countless success stories over the years, EPA grants remain a chief tool to protect human health and the environment.

<https://www.epa.gov/grants>



The Brownfields/Smart Growth Projects encourages redevelopment and helps link redevelopment with open space preservation.

Proposals will be considered for community involvement activities associated with smart growth redevelopment of infill. For more information: www.epa.gov/brownfields/ or (202) 566-2757.

EPA's National Clean Diesel Funding Assistance Program is soliciting proposals nationwide for projects. For more information: www.epa.gov/cleandiesel/ or (877) 623-2322.

Mississippi Emergency Management Agency (MEMA)



The agency's general support budget is comprised of approximately 54 percent state funding and 45 percent federal funding. The only federal grant that supports all-hazards preparedness efforts

is the Emergency Management Performance Grant. MEMA awards grants to counties based on a population allocation plus a stipend of \$5,000 if the county has a part-time emergency management program, or \$10,000 for a full-time program. This grant allows several rural counties to support personnel and resources necessary to have an emergency management program. The Support Services Office not only manages the EMPG program, but also state general fund money, any permit money received from the Waste Isolation Pilot Program and funding received from Entergy, Inc., as MEMA helps support the company's emergency plans for the Grand Gulf Nuclear Facility in Port Gibson. For more information about the Office of Support Services, please contact Crystal Thompson, Support Services Office Director, at cthompson@mema.ms.gov; <http://www.msema.org/about/support-services/> or (601) 933-6603.


Federal Emergency Management Agency

FEMA has the statutory authority to deliver numerous disaster and non-disaster financial assistance programs in support of FEMA's mission, largely through grant agreements and cooperative agreements (grants). https://www.fema.gov/media-library-data/1555010612902-389f8b3351d06d759b01df2a8a851284/FEMA_PreparednessGrantsManual_Final_508.pdf


Hilton Foundation

The New York Community Trust connects past, present, and future generations of New Yorkers with vital nonprofits working to make a healthy, equitable, and thriving community for all. <https://www.hiltonfoundation.org/grants>


The Fruit Tree Planting Foundation Grant Program

 Municipal entities, local nonprofits, and public schools are eligible to apply to support the planting of fruitful trees and plants to alleviate hunger, combat global warming, strengthen communities, and improve the surrounding environment. Trees can be planted at community gardens, city and state parks, low-income neighborhoods, Native American reservations, schools, and other locations where they will serve the greater community. The Foundation provides high-quality trees and shrubs, equipment, on-site orchard design expertise and oversight, horticultural workshops, and aftercare training and manuals. Applications are accepted on an ongoing basis.

Waste Management Charitable Giving

 Waste Management offers charitable gifts to promote civic pride, economic development and revitalization. Waste Management primarily supports environmental initiatives, including promoting parklands and green spaces for people to enjoy and play, and environmental education initiatives targeted at middle and high school students. Eligible entities include 501(c)(3) nonprofit organizations and public organizations. Applications are accepted on an ongoing basis. Learn more and apply.


US Department of Energy (USDOE)

 The Clean Cities Program seeks to advance US economic, environmental and energy security by supporting local decisions to adopt practices that contribute to reduced petroleum consumption in the transportation sector. Funding and tax incentives are available to participants. Participants also receive market and technology analysis tools and information, technical assistance, partnerships and alliance, training and events. No match or cost sharing requirements and no limitations on the number of applications submitted by an individual. For more information: www.1.eere.energy.gov/cleancities/ or Mike Scarpino at (412) 386-4726.

Water Environment Federation

 This non-profit technical and educational organization works toward the preservation and enhancement of the global water environment; provides publications, resources, and leadership training. For more information: www.wef.org or (800) 666-0206.

Resource Conservation and Development/USDA

 Having a multitude of free publications on everything from community to home environmental health to clean water and healthy trees, this is a wonderful first stop for help with many of your questions regarding agriculture, crops, planting and many other aspects of managing natural resources. For more information: <http://msrcd.org> or (601) 833-5539.


Alliance for Community Trees (ACT)

ACT offers grant opportunities and training scholarships to nonprofit organizations. Funding and program guidelines vary from year to year. Generally, grant opportunities support community-based efforts to engage volunteers, youth, or other members of the public in direct action to support and grow community forests. Most grants are restricted to ACT Member Organizations. For more information: <http://actrees.org/site/resources/funding/date/> or (301) 277-0040.


Foundation for the Mid-South

 The Foundation for the Mid-South partners with and invests in efforts that enable communities, their leadership, residents, and institutions to increase their knowledge and skills to create solutions that effectively address their unique needs and challenges. Grants are offered in the areas of Community Development, Education, Health & Wellness and Wealth Building. For more information: www.fndmidsouth.org or (601) 355-8167.


The Mississippi Department of Environmental Quality (MDEQ)

 Mississippi Diesel Emission Reduction Grant Program. The MDEQ invites universities, school districts, private organizations, nonprofits, private businesses and local governments in Mississippi to submit applications for this grant program. The goal of this funding opportunity is to reduce diesel emissions from buses, medium-duty or heavy-duty trucks, marine engines, locomotives, non-road engines and equipment used in construction, handling of cargo, agriculture, mining or energy production in Mississippi. The application package and information are available for download on the website. For more information: <https://www.mdeq.ms.gov/air/diesel-emission-reduction-grant-program/> or (601) 961-5536.

US Department of Agriculture (USDA)

 *Natural Resources Conservation Service (NRCS)* Agricultural Conservation Center. Provide grants and agreements for development and transfer of technology to NRCS offices nationwide. For more information: www.whmi.nrcs.usda.gov or (601) 607-3131.

Society for Nonprofit Organizations (SNPO)

 SNPO has grants available in the following categories: Animals & Wildlife; Arts & Culture; Business & Finance; Children, Youth & Families; Democracy & Government; Disabilities; Education; General; Health; Literacy; Music; Regional. For information: www.snpo.org or (734) 451-3582.

The TREE Fund



Tree Research and Education Endowment Fund (TREE Fund) is a 501(c)3 nonprofit dedicated to supporting scientific discovery and dissemination of new knowledge in the fields of arboriculture (the science of cultivating and managing trees in a landscape) and urban forestry. Our mission is to identify and fund projects and programs which advance knowledge in the field of arboriculture and urban forestry to benefit people, trees and the environment. Scholarships and research grants are available to students and professionals in the industry. For more information: www.treefund.org or (630) 369-8300.

Home Depot – Building Healthy Communities Grant Program



The Home Depot understands that volunteering to improve the physical health of your neighborhood by planting trees, developing green spaces and updating school facilities and community centers creates a healthier, more stable community where families can thrive. They recognize that committed and motivated neighbors accomplish an enormous amount of important work in communities across the country. That's why they support these efforts by lending a hand or a hammer...or a shovel...or flats of perennials.

<http://corporate.homedepot.com/wps/portal/Grants>

Mississippi Department of Transportation (MDOT)

MDOT is committed to coordinated planning and the collaborative allocation of local, state and federal resources to develop, implement and sustain transportation programs and projects. The Public Transit Division has as its' primary responsibility the development and administration of general public and specialized transportation program grants and contracts. These programs include service delivery, technical assistance, and training components. The Division administers U.S. Department of Transportation funds on behalf of the Federal Transit Administration (FTA) for rural and small urban areas of the state. For more information: www.gomdot.com/Home/Home.aspx.

US Department of Agriculture - Forest Service



2011 Woody Biomass Utilization Grants Food, Conservation, and Energy Act of 2008, Rural Revitalization Technologies (7 U.S.C. 6601), and the anticipated Department of the Interior, Environment, and Related Agencies Appropriation Act of 2011, \$3.7 million is available for grants that address the nationwide challenge in dealing with low-valued material to create renewable energy. Submission of an application is required for a grant up to \$250,000 for wood energy projects that require engineering services. These projects will use woody biomass material removed from forest restoration activities, such as wildfire hazardous fuel treatments, insect and disease mitigation, forest management due to catastrophic weather events, and/or thinning

overstocked stands. The woody biomass shall be used in a bio-energy facility that uses commercially proven technologies to produce thermal, electrical or liquid/gaseous bio-energy. The funds from the Woody Biomass Utilization Grant program (WBU) must be used to further the planning of such facilities by funding the engineering services necessary for final design and cost analysis. Examples of such projects: include engineering design of a: woody biomass boiler for steam at a sawmill non-pressurized system to heat water for various applications at a hospital, and biomass power facility, or similar facilities. This program is aimed at helping applicants complete the necessary design work needed to secure public and/or private investment for construction. For more information: www.fpl.fs.fed.us/research/units/tmu/tmugrants.shtml or (608) 231-9200.

Mississippi-Alabama Sea Grant Consortium (MASGC)



MASGC funds projects in the following focus areas: Healthy Coastal Ecosystems, Safe and Sustainable Seafood Supply, Sustainable Coastal Development. A separate region-wide RFP that addresses the focus area of Hazard Resilience in Coastal Communities can be found at masgc.org/regionalresearch.



Institute for Conservation Leadership (ICL)

ICL's mission is to strengthen the leaders, organizations, and coalitions or networks that protect and conserve the Earth. ICL uses the tools of consulting, training, coaching, meeting facilitation and research to help groups more effectively accomplish their goals. For more information: www.icl.org or (301) 270-2900.

US Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS)



Agricultural Conservation Center
Provide grants and agreements for development and transfer of technology to NRCS offices nationwide. For more information: www.whmi.nrcs.usda.gov or (601) 607-3131.

US Fish and Wildlife Service (USFWS)



The US Fish and Wildlife Service provides information on grants for landowners including: Neotropical Migratory Bird Conservation Act Grants, North American Wetlands Grants and grants like the Private Stewardship Program, Habitat Restoration and Safe Harbor Program for threatened and endangered species. For more information: www.fws.gov/grants/.



National Fish & Wildlife Foundation (NFWF)

The National Fish and Wildlife Foundation is a 501(c)(3) non-profit that preserves and restores our nation's native wildlife species and habitats. Created by Congress in 1984, NFWF directs public conservation dollars to the most pressing environmental needs and matches those

method is simple and effective: we work with a full complement of individuals, foundations, government agencies, nonprofits, and corporations to identify and fund the nation's most intractable conservation challenges. For more information: www.nfwf.org/AM/Template.cfm?Section=Home or (202) 857-0166.

Mississippi Department of Environmental Quality (MDEQ)



With certain legal exclusions and additions, the term brownfield site means real property, the expansion, redevelopment or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant or contaminant. For complete information on grants and assistance visit: <https://www.mdeq.ms.gov/water/groundwater-assessment-and-remediation/library/general/brownfields/>.

Mississippi Groundwater Trust Fund

In cooperation with the MS Department of Health, under the Federal Safe Water Drinking Act, the MDEQ administers this revolving loan fund for drinking water projects. <https://www.mdeq.ms.gov/water/groundwater-assessment-and-remediation/underground-storage-tanks/assessment-remediation/> The groundwater trust fund is for USTs. We have this loan program: <https://www.mdeq.ms.gov/about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/water-pollution-control-clean-water-revolving-loan-fund-wpcrlf-program/> and the Health Dept has this one: <https://msdh.ms.gov/msdhsite/static/44,0,127.html>.

Solid Waste Grants

The Solid Waste Policy, Planning, and Grants Branch administers several solid waste assistance programs that provide grant funding to support a variety of solid waste management activities. For more information: <https://www.mdeq.ms.gov/about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/solid-waste-assistance-grants/> or (601) 961-5171.

Mississippi Department of Wildlife, Fisheries & Parks (MDWFP)

Assistance is available for three uses in outdoor recreation: Acquisition of land for a new park or expansion of an existing park. Development of facilities such as sports and play fields, tennis courts, picnic facilities, Recreational Trails Program and Land acquired by donation or negotiated purchase followed by development of facilities on that land. For more information and to find



out when these services will be available: <http://home.mdwfp.com/> or (601) 432-2400.

Mississippi Forestry Commission (MFC)

This is a statewide initiative to plant trees for the purpose of enhancing transportation. The program is administered by the Mississippi Forestry Commission with financial support from the Mississippi Department of Transportation and advisory support from the Mississippi Urban Forest Council, Inc. Tree planting projects funded under the Transportation Enhancement Tree Planting Program must have a

direct relationship to the transportation system but are not required to be linked to a state or federal highway. Plants that are not trees will not be included in project funding or local match. Only units of state or local government are eligible to apply for a grant to plant trees on state or locally owned public land within sight of a transportation corridor. This grant package is designed to be downloaded, completed and mailed to Tympel Blansett at 103 Veterans Drive, Oxford, MS 38655. To find out when these funds are being offered, visit: www.mfc.ms.gov/Urban_Grants.htm.

Foundation Center

Established in 1956 and supported today by close to 550 foundations, the Foundation Center is the leading source of information about philanthropy worldwide. Through data,

analysis and training, it connects people who want to change the world to the resources they need to succeed. The Center maintains the most comprehensive database on U.S. and, increasingly, global grant makers and their grants – a robust, accessible knowledge bank for the sector. It also operates research, education and training programs designed to advance knowledge of philanthropy at every level. Thousands of people visit the Center's web site each day and are served in its five regional library/learning centers and its network of 450 funding information centers located in public libraries, community foundations and educational institutions nationwide and beyond. To find out how the Foundation Center can help you attain your non-profit and fundraising goals visit: <http://foundationcenter.org/>.

U.S. Environmental Protection Agency (EPA)

The EPA Seeks Applicants for \$1.2 Million in Environmental Justice Grants to Address Local Health and Environmental Issues. Environmental justice means the fair treatment and meaningful involvement of all people, regardless of race or income, in the environmental decision-making process. Environmental justice issues often involve



multiple sources of contamination, like pollution from several industrial facilities within one neighborhood, environmental hazards at the workplace or home, or contamination resulting from the consumption of fish or other subsistence food. For more information: www.epa.gov/environmentaljustice/grants/ej-smgrants.html or (800) 962-6215.

Urban Waters Capacity - Building Grants

The goal of the Urban Waters Capacity-Building Grants is to improve our nation's impaired urban water resources—rivers, lakes, wetlands and more and the socio-economically challenged communities around them by providing local organizations, tribal and local governments with the skills and techniques to effectively restore these resources over time. The Grants provide two equally important sources of support to recipient organizations working in disadvantaged communities or communities facing environmental injustices: 1) funding for activities that build organizations' capacity and result

in tangible community, stream and environmental outcomes and 2) 400+ hours of technical and organizational assistance tailored to build the capacity of each recipient organization. For more information: www.rivernetwork.org/news/urban-waters-capacity-building-grants/ or (503) 241-3506.



Transportation Security Administration

Transportation Security Administration (TSA)

TSA provides Security Grants to transit systems, intercity bus companies, freight railroad

carriers, ferries and the trucking industry to help protect the public and the nation's critical transportation infrastructure against acts of terrorism and other large-scale events. The grants support high-impact security projects that have a high efficacy in reducing the most risk to our nation's transportation systems. For information on the different grant programs visit www.tsa.gov/grants or call (866) 289-9673.



The National Scenic Byways Program

This program is an effort to recognize certain roads based on their archeological, cultural, historic, natural, recreational and scenic qualities. These qualities are deemed to be intrinsic to the corridor. In order for a roadway

to be considered for inclusion in the National program, it must first be designated as a state scenic byway.

Subsequently, many states have adopted their own scenic byways programs. For more information:

www.gomdot.com/Divisions/IntermodalPlanning/Resources/Programs/ScenicByways/pdf/ProgramGuidelines.pdf or (601) 359-7001.

TechSoup is a nonprofit with a clear focus: providing other nonprofits and libraries with



technology that empowers them to fulfill their missions and serve their communities. As part of that goal, we

provide technology products and information geared specifically to the unique challenges faced by nonprofits and libraries. Learning resources, including articles, blogs, free webinars and forums led by expert hosts are available to all users. Once qualified with TechSoup, nonprofits and libraries can access 400+ technology products from more than 40 donor partners, including Microsoft, Adobe, Cisco, Intuit, and Symantec. All donated and discounted products are available for a small administrative fee that supports our work in the United States and around the world. For more information: <http://home.techsoup.org> or (800) 659-3579.

Mississippi Recycling Coalition (MRC)

The mission of the MRC is to complement, promote and encourage responsible solid waste management which includes source reduction, reuse, recycling and composting programs. MRC aims to coordinate and unite the activities of professionals, organizations, business and industry, institutions, government agencies and



individuals concerned about responsible solid waste management. For information on their various grants, visit www.msrecycles.org/grants.html or call (800) 545-3764.

Getty Conservation Institute



The Getty Conservation Institute works internationally to advance conservation practice in the visual arts—broadly interpreted to include objects,

collections, architecture, and sites. The Institute serves the conservation community through scientific research, education and training, model field projects, and the dissemination of the results of both its own work and the work of others in the field. The Getty Conservation Institute offers Research, Conservation and Education and Professional Development Grants. For more information: www.getty.edu/grants/ or (310) 440-7300.



Grants.gov is your source to FIND and APPLY for federal grants. The U.S. Department of Health and

Human Services is proud to be the managing partner for Grants.gov, an initiative that is having an unparalleled impact on the grant community. Learn more and determine if you are eligible for grant opportunities offered on this site: <http://grants.gov/>.

Top Foundation Grants

Top Foundation Grants is a collection of resources on the grants awarded by the largest Foundations in the United States. You can glean trends in funding, get ideas for your grant requests and gain greater understanding of the philanthropic leadership. For more information:

www.topfoundationgrants.com/.

Magnolia Business Alliance (MBA)



MAGNOLIA BUSINESS ALLIANCE

The Mission of the Magnolia Business Alliance shall be to improve the overall business environment in the

Region such that small and medium business enterprises (SME) operate in a business climate based on fair competition that promotes economic well being to the SME, employees, and the surrounding community. For more information and upcoming events: www.magnolia-ba.biz/ or (228) 295-7117.

Mississippi Department of Agriculture & Commerce

MDAC Grants and Funding Opportunities: Specialty Crop Block Grant Program, GAP/GHP Certification Cost-Share Program, Federal-State Marketing Improvement Program, and National Organic Cost-Share Program. To learn more about these opportunities visit <https://www.mdac.ms.gov/bureaus-departments/market-development/> call (601) 359-1163, or email the director at Paige@mdac.ms.gov.

Southern SARE

The primary tools of the SARE program are grants, which are offered annually to farmers, researchers, educators, non-profits, community based organizations and community activists in the agricultural community. To search the Grants Projects Database and to see Funded Grants in Your State, visit <https://www.southernsare.org/Search-Grant-Projects>.



Mississippi Forestry Commission (MFC)



The purpose of this grant is to aid in the development of long-term, self-sustaining urban and community forestry programs. The goal of the Urban and Community Forestry (U&CF) Program is to inspire or enhance local or statewide urban and community forestry programs. Funds are available on a 50 percent federal / 50 percent non-federal matching basis through competitive grant proposals. <https://www.mfc.ms.gov/urban-grant-funding> or 601-213-6683

Duke Energy Foundation



The Duke Energy Foundation is committed to making strategic investments to build powerful communities where nature and wildlife thrive, students can excel and a talented workforce drives economic prosperity for all. <https://www.duke-energy.com/community/duke-energy-foundation>

Annie's

Connecting kids to gardens helps them to start thinking more holistically about their food, their communities, and the planet. We have seen firsthand how exciting and inspiring that is for them. <https://www.annies.com/giving-back/grants-for-gardens>

American Academy of Dermatology Association



The AAD Shade Structure Grant Program awards grants of up to \$8,000 to public schools and non-profit organizations for installing permanent shade structures for outdoor locations that are not protected from the sun, such as playgrounds, pools, or recreation spaces. In addition to the grant, the AAD also provides a permanent sign for display near the shade structure. <https://www.aad.org/volunteer/shade-structure-program>

Stanley Smith Horticultural Trust



Each year, the Trust awards approximately 50 grants, ranging from a few thousand dollars up to \$25,000, to botanical gardens, arboreta, universities, and other charitable organizations strongly-aligned with its funding interests. <https://smithht.org/>

National Endowment for the ARTS

The National Endowment for the Arts plans to support a variety of projects across the country in urban, rural, and tribal communities of all sizes. Our Town projects must integrate arts, culture, and design activities into efforts that strengthen communities by advancing local economic, physical, and/or social outcomes. <https://www.arts.gov/grants-organizations/our-town/grant-program-description>

United States Environmental Protection Agency



United States Environmental Protection Agency

Under the

Environmental Education Grants Program, EPA seeks grant proposals from eligible applicants to support environmental education projects that promote environmental awareness and stewardship and help provide people with the skills to take responsible actions to protect the environment. This grant program provides financial support for projects that design, demonstrate, and/or disseminate environmental education practices, methods, or techniques. <https://www.epa.gov/education/environmental-education-ee-grants>

TD Green Space Grant



TD Green Space Grants are administered by the Arbor Day Foundation. TD Green Space Grants support green infrastructure development, tree planting, forestry stewardship, and community green space expansion as a way to advance environmental and economic benefits toward a low-carbon economy. Through the program, municipalities in the United States and Canada are eligible to receive \$20,000–\$25,000 grants in support of local forestry projects in areas of great need within a community. <https://www.arborday.org/programs/TDGreenSpaceGrants/grant-information.cfm>. Contact the grants administrator at TDGreenSpaceGrants@arborday.org.

Mississippi Department of Environmental Quality (MDEQ)

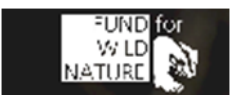
The Solid Waste Policy, Planning, & Grants Branch administers several solid waste assistance programs that provide grant funding to support a variety of solid waste management activities. The local governments solid waste assistance grants program, waste tire collection and clean up grants program, the waste tire incentive recycling and research grants program, and the solid waste planning grants program. <https://www.mdeq.ms.gov/about-mdeq/grants-loans-and-trust-funds-available-through-mdeq/solid-waste-assistance-grants/>

NEEF



Our grantees lead service events dedicated to restoration, resilience, and conservation of public lands, worked with the National Park Service on professional training and development, coordinated with the US Forest Service on conservation activities, and engaged in place-based environmental education efforts. From impactful service-oriented events throughout the country to local development of pollinator gardens, NEEF's expansive grantmaking opportunities embodied our mission and values. <https://www.neefusa.org/grants>

Fund Wild Nature



The Fund provides small grants for North American campaigns to save native species and wild ecosystems, with particular emphasis on actions designed to defend threatened wilderness and biological diversity. We support biocentric goals that are premised on effective and intelligible strategies. We give special attention to ecological issues not currently receiving sufficient public attention and funding. We seek proposals with visionary and yet realistic goals to create tangible

The Herb Society of America



THE HERB SOCIETY OF AMERICA

This grant is for the research of the horticultural, scientific, and/or social use of herbs throughout history. Research must define an herb as historically useful for flavoring, medicine, ornament, economic, industrial, or cosmetic purposes. Eligible applicants may be students, professionals, or individuals. Grant recipients will be required to sign a Grant Acceptance Form prior to the award of a grant. Only U.S. residents may apply. <https://www.herbsociety.org/explore/grants-scholarships/grant-details.html>

Institute of Museum and Library Services

Inspire! Grants for Small Museums is a special initiative of the Museums for America program. It is designed to help small museums implement projects that address priorities identified in their strategic plans. <https://www.ims.gov/grants/apply-grant/available-grants>

United States Environmental Protection Agency

The Environmental Justice Small Grants Program supports and empowers communities working on solutions to local environmental and public health issues. The program is designed to help communities understand and address exposure to multiple environmental harms and risks. Environmental Justice Small Grants fund projects up to \$30,000, depending on the availability of funds in a given year. All projects are associated with at least one qualified environmental statute. <https://www.epa.gov/environmentaljustice/environmental-justice-small-grants-program>

National Park Service

Community Assistance in Conservation and Outdoor Recreation Project applicants may be state and local agencies, tribes, nonprofit organizations, or citizen groups. National Parks and other Federal agencies may apply in partnership with other local organizations. <https://www.nps.gov/orgs/rtca/apply.htm>

Tree Assistance Program

TAP provides financial assistance to eligible orchardists and nursery tree growers to replant or rehabilitate eligible trees, bushes, and vines damaged by natural disasters. https://beta.sam.gov/fal/908bea745c6d43feb7269ae47ad32da7/view?index=cfda&assistance_type=0005001&page=7



beta.sam.gov/fal/908bea745c6d43feb7269ae47ad32da7/view?index=cfda&assistance_type=0005001&page=7

Cornell Douglas Foundation Grants

Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. <https://www.instrumentl.com/grants/cornell->

INSTRUMENTL

Force of Nature Fund

This year, we are excited to allocate approximately \$500K of our philanthropic budget to help connect women and girls to the outdoors. Nonprofit organizations considered for grants may facilitate either traditional or unsuspecting experiences in urban, suburban or backcountry outdoor areas. <https://newsroom.rei.com/news/corporate/force-nature-fund.htm>

National Trust Preservation Funds



National Trust for Historic Preservation
Save the past. Enrich the future.

Grants from the National Trust Preservation Funds encourage preservation at the local level by providing seed money for preservation projects. <https://savingplaces.org/grants#.Xa6XYH97lhF>

Therapeutic Garden Grants

The National Garden Bureau promotes the health and healing powers of human interaction with plants through a yearly grant program for therapeutic gardens. Sakata Seed America is committed to supporting organizations in local communities throughout the United States, Canada, Mexico and Central America, to help people live productive, healthy and enriched lives. American Meadows is a respected online retailer of wildflower seeds, perennial plants, flower bulbs and vegetable seeds in North America and their people have been helping supply successful gardener partners since 1981. <https://ngb.org/grant-application/>



National Science Foundation



Use the A-Z Index to find funding opportunities by title. <http://www.nsf.gov/funding/>

Wells Fargo



Wells Fargo provides community donations to nonprofits and schools, environmental initiatives, and other corporate citizenship initiatives. www.wellsfargo.com/about/charitable/

The Fidelity Foundation

The Fidelity Foundation provides substantial grants (\$50k & up) to larger nonprofit groups (\$500k annual budget & up) with a focus on arts & culture, community development, social services, and health. www.fidelityfoundation.org

3M



3M focuses their corporate grants in three areas: education, community, and the environment. Most of their grants are to invite non-profit partners or through matching employee giving. www.3m.com/3M/en_US/gives-us/

The Ford Motor Company Fund



Ford provides nonprofit grants to groups focusing on community life, education and safety.

<https://corporate.ford.com/community.html>

GM Foundation

General Motors assists nonprofits through the GM Foundation. They focus on education, community development, environment & energy, and health & human services. <https://www.gm.com/our-company/social-investment.html>

Goldman Sachs

Goldman Sachs Gives Initiative supports nonprofit groups focused on education, communities, creating jobs, and helping veterans.

www.goldmansachs.com/citizenship/index.html

IBM

IBM provides impact grants, community grants, and matching grants. Unsolicited grant proposals are not welcome. Contact your local IBM Corporate Citizenship & Corporate Affairs manager. Area contact information: www.ibm.com/ibm/responsibility/initiatives/grant_programs.shtml

JPMORGAN CHASE & CO.

JPMorgan Chase works with community partners to create pathways to opportunity by supporting workforce development, financial capability, small business development, and community development in the regions where they do business.

www.jpmorganchase.com/corporate/Corporate-Responsibility/global-philanthropy.htm

Land Management

Land Trust Alliance

Affiliates promote voluntary land conservation by providing the leadership, information, skills and resources to landowners conserving land for the benefit of communities and natural systems. State affiliates provide advice about conservation strategies and design and monitor conservation easements. Financial incentives are offered to landowners who enter into conservation easement agreements.

For more information:

Land Trust for the Mississippi Coastal Plain

www.ltmcp.org/ or (228) 435-9191

North Mississippi Land Trust

<http://nmslandtrust.org/> or (662) 419-0161

Mississippi Land Trust Association

www.mississippiilandtrust.org/ or (662) 256-4486

East Mississippi Foothills Land Trust

www.emflt.org/ or (601) 484-2564

Wolf River Conservation Society

www.ltanet.org/findlandtrust/one.tcl?pc_id=134991

or (228) 865-5515

Redfields to Greenfields (RFTGF)



A public/private effort that will acquire financially distressed properties (real estate "in the red") and convert them into public parks and adjacent land "banked" for future sustainable development. The goal of this effort is to benefit communities by creating green areas for the enjoyment and health of residents, eliminating vacant commercial real estate plots and helping local economies by increasing property values, adding jobs in the parks and recreation industry and taking over bank loans on distressed properties. For more information: <http://rftgf.org/joomla/>.

Urban Land Institute (ULI)

ULI initiates research that anticipates emerging land use trends and issues, proposing creative solutions based on that research. ULI documents best practice and publishes books to impart cumulative knowledge to help the development community continuously improve its performance. In local communities, ULI district councils bring together a variety of stakeholders to find solutions and build consensus around land use and development challenges. For more information: www.uli.org/ or (202) 624-7000.



American Farmland Trust (AFT)



American Farmland Trust is committed to protecting the nation's farm and ranch land, keeping it healthy and improving the economic viability of agriculture. Our staff of farmers, policy experts, researchers and scientists knows the issues from the ground up: how communities can be strengthened by protecting farmland and supporting local farmers and how farmers and ranchers can best be engaged to conserve the land and protect our natural resources. For more information: www.farmland.org/default.asp or (413) 586-4593 ext.12

Mississippi Association of Planning & Development Districts (MAPDD)



Ten statewide offices provide grants, loans, and federal tax incentives for a variety of community development and renewal projects in communities of all sizes. For more information contact your local office:

North Delta Planning and Development District

www.ndpdd.com

245-C Eureka St • PO Box 1496 Batesville, MS 38606-1496 • (662) 561-4100

South Delta Planning and Development District

www.southdeltapdd.com

PO Box 1776 Greenville, MS 38702-1776 • (662) 378-3831

Northeast Mississippi Planning and Development District

www.nempdd.com

PO Box 600 Booneville, MS 38829-

0600 • (662) 728-6248

Three Rivers Planning and Development District
www.trpdd.com South Main St • PO Box 690 Pontotoc,
MS 38863-0690 • (662) 489-2415

Golden Triangle Planning and Development District
www.gtpdd.com PO Box 828 Starkville, MS 39760-0828 •
(662) 325-7860

North Central Planning and Development District
www.ncpdd.com 711-B South Applegate, Winona, MS
38967-3002 • (662) 283-2675

Central Mississippi Planning and Development
District
www.cmpdd.com or PO Box 4935 Jackson, MS 39296-
4935 • (601) 981-1511

East Central Planning and Development District
www.ecpdd.org
PO Box 499 Newton, MS 39345-0499 • (601) 683-2007

Southern Mississippi Planning and Development District
www.SMPDD.com 929 Hwy 49 Gulfport, MS • 700
Hardy Street, Hattiesburg, MS 39401 • (228) 868-2311

Southwest Mississippi Planning and Development
District
www.swmpdd.com
100 South Wall St., Natchez, MS 39120-3477 •
(601) 446-6044

US Geological Survey (USGS)

Topographic maps and aerial photos for all regions of the
US for free. For more information: [www.usgs.gov/
pubprod/](http://www.usgs.gov/pubprod/).

Landscaping & Gardening

National Gardening Association

Growing Ideas; Journal of Garden-Based Learning

The National Gardening Association is a nonprofit
organization established in 1972 to help gardeners and to
help people through gardening. Website provides information on
establishing and maintaining
community gardens, garden
planting calendar, online gardening courses, and garden
market research. For more information: www.garden.org
or <https://www.facebook.com/Garden.Org/> or (802) 863-
5251.

The American Community Gardening Association

ACGA is a nonprofit membership organization of
professionals, volunteers and supporters of community
greening in urban and rural
communities. The Association
recognizes that community gardening
improves people's quality of life by
providing a catalyst for neighborhood and community
development, stimulating social interaction, encouraging
self-reliance, beautifying neighborhoods, producing
nutritious food, and creating opportunities for recreation,
exercise, therapy and educa-

tion. ACGA and its member organizations work to
promote and support all aspects of community food and
ornamental gardening, urban forestry, preservation and
management of open space and integrated planning and
management of developing urban and rural lands. The
Association supports community gardening by facilitating
the formation and expansion of state and regional
community gardening networks; developing resources in
support of community gardening; encouraging research
and conducting educational programs. For more
information and to sign up for free, monthly newsletter
[https://www
communitygarden.org/](https://www.communitygarden.org/) or [https://www.facebook.com/
AmericanCommunityGardeningAssociation/](https://www.facebook.com/AmericanCommunityGardeningAssociation/).

Garden Clubs of Mississippi "Know it...Grow it...Show it"



The Garden Clubs of Mississippi, Inc.
provides information for program ideas,
speakers, project guidance and other areas.
Check out their calendar of events for
membership meeting dates, awards, Board of
Directors meetings, special events, and volunteer
opportunities. For more information: [https://
gardenclubsofmississippi.com/](https://gardenclubsofmississippi.com/) or [https://
www.facebook.com/gardenclubsofms/](https://www.facebook.com/gardenclubsofms/).



Keep Jackson Beautiful, Inc.

A non-profit, certified local affiliate of Keep
America Beautiful, dedicated to changing
attitudes and behavior towards environ-
mental issues such as littering and
recycling. Their programs focus on
education, litter reduction, recycling and beautification of
Jackson. For more information:
www.keepjacksonbeautiful.com/, [https://
www.facebook.com/KeepJXNBeautiful/](https://www.facebook.com/KeepJXNBeautiful/) or
(601) 366-4842.



MSU Extension Service – MSU Cares

Gardening In Mississippi – this section
of the MSU website discusses site
selection, planting time, soil preparation, seed mixes,
weed control and much more. They have many programs
aimed at helping and encouraging the Mississippi home
gardener. To view their services, including columns,
brochures and short videos, visit: [http://msucares.com/
lawn/garden/index.html](http://msucares.com/lawn/garden/index.html). Southern Gardening Television is
a weekly, 90 minute television segment designed for
persons interested in lawn and garden care. [https://
www.facebook.com/SouthernGardening/](https://www.facebook.com/SouthernGardening/)

Backyard Aquaponics



Aquaponics is the combination
of aquaculture (fish farming) and
hydroponics (soilless plant
culture). In aquaponics, the nutrient-rich water that results
from raising fish provides a source of natural fertilizer for
the growing plants. As the plants consume the nutrients,
they help to purify the water that the fish live in. A natural
microbial process keeps both the fish and plants healthy
and helps sustain an environment in which they both can
thrive. Essentially, aquaponics is organic gardening
without dirt, mimicking every natural waterway on earth.
To find designs, learn which fish and plant species to use
and other resources: www.backyardaquaponics.com/.

Vermiculture – Worm Composting



Worm composting, or vermicomposting, is the process of using worm castings to make incredibly nutrient-rich compost.

This is very easy to do and needs just a little bit of garden space. You can even do it in your basement or your garage. This is one great way to use up your kitchen scraps and not let it go to waste. You can purchase bins or build your own. For more information and links to directions: www.findworms.com/page/how-to-compost-with-worms.html.

Lady Bird Johnson's Wildflower Center



The mission of the Lady Bird Johnson Wildflower Center is to increase the sustainable use and conservation of native wildflowers, plants and landscapes. For more information:

www.wildflower.org/wildflowercenter/ or <https://www.facebook.com/wildflowercenter/> or (512) 232-0100.

Pick Your Own.org



Find a pick your own farm near you! This website provides local listings of pick your own (also called U-pick or PYO) farms in the United States, Canada, Britain, Australia, New Zealand, South Africa and other countries.

www.pickyourown.org/MS.htm

Mississippi Old Garden Rose Society

This is a non-profit organization that is an affiliate of the Heritage Rose Foundation and the American Rose Society in the Gulf District. The purpose of the society is to encourage and create interest in the growing of Old Garden Roses and to foster a better understanding of their cultivation. They conduct educational programs for those interested in rose culture. Members enjoy getting together once a month to talk about roses, answer each other's questions and share their passion. For more information: <http://msogr.com> or (601) 981-6072.

Mississippi Smart Landscapes

SMART Landscape Advice at your fingertips... Your online and social media resource for beautiful yet sustainable landscapes. Visit:

 www.extension.msstate.edu/smartlandscapes

Links

Urban Forest Management Plant Toolkit

<http://ufmptoolkit.com/>

Urban Forest Management Plan Writing Tool

www.urbanforestrysouth.org/

Developing a Community Forest Management Strategy

<http://phytosphere.com/>

Developing an Urban Forest Management Plan for Hurricane-Prone Communities

<http://hort.ifas.ufl.edu/treesandhurricanes/>

Urban Forest Best Management Practices for Public Works Managers

www.apwa.net/About/CoopAgreements/urbanforestry/

Urban Forest Webcast

This one-hour webcast featured Jim Schwab, AICP, General Editor of the PAS (Planning Advisory Service) Report Planning the Urban Forest and report contributor Cheryl Kollin, Vice President of the Urban Ecosystem Center, American Forests. Access the archived urban forest webinar at www.unri.org/webcasts/archive/march-2009/.

Recycle America Alliance

LampTracker provides containers to quickly and easily recycle your universal waste by mail. Order your recycling kit - [Recycle Kit](#)

Keep Mississippi Beautiful

We invite neighborhood associations, churches, youth groups and other organizations to join us for our Great American Cleanup each spring and summer. To help with your cleanup, Keep Mississippi Beautiful provides trash bags (while they last). To request supplies, submit a request form. Following your cleanup, be sure to submit a wrap-up report by July 1, 2019. (Affiliates, please request supplies through Keep America Beautiful.) Great American Cleanup Request Form.

MS Blues Trail Marker List

The Mississippi Blues Trail markers tell stories through words and images of bluesmen and women and how the places where they lived and the times in which they existed—and continue to exist—influenced their music. The sites run the gamut from city streets to cotton fields, train depots to cemeteries, and clubs to churches. We have a lot to share, and it's just down the Mississippi Blues Trail.

http://msbluestrail.org/blues_marker_list

Mississippi Department of Transportation

MDOT offers several resources for teachers to use in their classrooms. These resources include downloadable and printable activity books aimed at raising awareness about the dangers of litter. [Education Outreach for Teachers.](#)

National Park Service

Find a National Park by Name or State. [Find A Park](#)

National Recreation and Park Association

Stay current on the latest trends and best practices in the park and recreation field through NRPA virtual events. NRPA offers a broad range of programming to help members stay up-to-date on conservation, health and wellness, and social equity. Brought to you by NRPA and subject matter experts in the field, get high-quality education and training without leaving your home or office. <https://learning.nrpa.org/webinars>

Pat Harrison Waterway District

PHWD operates a total of 8 water parks with recreational facilities including cabins, R.V. Camping sites,

water slides, boat launches, shelters and lodge halls, nature trails, etc. These water parks are located adjacent to reservoirs and rivers.

| | | |
|---------------|--------------|--------------|
| Archusa Creek | Big Creek | Dry Creek |
| Dunn's Fall | Flint Creek | Maynor Creek |
| Okatibbee | Turkey Creek | |

Vicksburg National Military Park

The Park can grant an admission fee waiver for schools, scouts, and military units who are visiting the park for educational purposes.

Jackson Convention Complex

Whether you're planning an event for 50 or 5,000, we can assist you with all of the details. Be it catering, floral, audio-visual, ushers, coat checks or valet parking, we can help you. [Event Planning Guide](#)

Tamale Trail

You will find our "Hot Tamale How-To." Each step in the process is illustrated with photographs taken from our oral histories. [Tamale How To Recipe](#)

Infinity Science Center

Where Fun Meets Fascinating! [Programs and Events](#).

MS Museum of Natural Science

Resource kits are available for pickup at the museum. Kits are loaned out for one week. Resource kits may be mailed to teachers outside the Jackson area; however, the teacher will be responsible for mailing the kit back to the museum and return postage. Only one kit may be checked out at a time and check outs may be scheduled in advance.

[Resource Kits for Loan](#)

Mississippi Coast Audubon Society

This checklist for birds of the six coastal counties is produced by the Mississippi Coast Audubon Society and updated periodically. Download it as a printable PDF file.



[Checklist of North American Birds](#),
[Checklist of Birds of Mississippi](#)

Pascagoula River Audubon Center

Grab your garden club, sports team, or any other group and visit the Audubon Center. [Group Tours](#)

Clinton Community Nature Center

There's monthly activities for all ages! Make sure to check our Events Calendar to learn more information on dates and times each event takes place. [Programs](#)

Crosby Arboretum

The South's premier native plant conservatory. Visit us at crosbyarboretum.msstate.edu/visit.

Strawberry Plains Audubon Center

Strawberry Plains is committed to providing opportunities for students and future environmental leaders to gain hands-on experience with a pioneering conservation organization. From field research and land management, to marketing and community outreach, our internships allow participants to gain experience and develop skills vital for

career success. Participants will go through a matriculation and curriculum focused on Strawberry Plains' regional conservation initiatives, including native plants and Bird-Friendly Communities and landscape-level habitat management of the local Coldwater River Watershed, leaving them with an understanding of our on-the-ground conservation and education outreach.

Live Science



Pollution is the process of making land, water, air or other parts of the environment dirty and not safe or suitable to use.

This can be done through the introduction of a contaminant into a natural environment, but the contaminant doesn't need to be tangible. Things as simple as light, sound and temperature can be considered pollutants when introduced artificially into an environment.

<https://www.livescience.com/22728-pollution-facts.html>

USA.GOV



Learn about the different types of pollution in your community and what you can do about them. Learn which state and federal agencies manage environmental protection and regulation. <https://www.usa.gov/pollution> or 844-872-4681

River Network – Webinars

River Network hosts webinars related to clean water, ample water, and strong water champions, providing access to best practices and new ideas and celebrating interesting and novel approaches. In addition, we promote select webinars from other institutions to enhance learning across our community. <https://www.rivernetwork.org/connect-learn/events-webinars/>

Mississippi Emergency Management Agency



Every Mississippi Family should have a fully-stocked disaster supply kit. The

Mississippi Emergency Management Agency suggests the following items to be included in your kit: <http://www.msema.org/preparedness/disaster-kits/>

Federal Emergency Management Agency



To support the Department of Homeland Security and FEMA's goals by improving the competencies of the

U.S. officials in Emergency Management at all levels of government to prepare for, protect against, respond to, recover from, and mitigate the potential effects of all types of disasters and emergencies on the American people. <https://training.fema.gov/>

U.S. Green Building Council (USGBC)

We believe that knowledge and opportunities for action are the tools to drive true transformation. Wherever you are in your journey, USGBC supports your learning through a variety of education opportunities and resources. See what you can expect on Education @USGBC with free courses, all eligible for GBCI CE hours. <https://new.usgbc.org/education>

Delta State University

"The Basics of Economic Development and Industry Recruitment and the Role Local Officials Play"

<http://www.mmlonline.com/news/delta-state-university-local-government-leadership-institute-september-2019-training-cmo-opportunity/>

Urban Forest Management Plant Toolkit

This website provides a "how-to" approach to develop an Urban Forest Management Plan. The toolkit will lead you through a planning process. <http://ufmptoolkit.com/>

Urban Forest Management

www.urbanforestrysouth.org/

Phytosphere Research

Provides contract research and consulting services related to natural resource management, horticulture, urban forestry, and agriculture. Phytosphere Research provides the information needed to effectively manage plant resources in urban and rural environments, natural ecosystems, and agricultural systems. <http://phytosphere.com/>

Developing an Urban Forest Management Plan for Hurricane-Prone Communities

The University of Florida /Institute of Food and Agricultural Sciences (UF/IFAS) created the Urban Forest Hurricane Recovery Program after devastating hurricane seasons. The main goal of the program is to foster a healthy urban forest that is more wind-resistant.

<http://hort.ifas.ufl.edu/treesandhurricanes/>

Urban Forestry Webcast

NRI scientists provide online educational presentations on timely topics and current research and development initiatives. Access the archived urban forestry webinars at <https://www.unri.org/webcasts/>.

EPA in Mississippi

This site includes current information about a variety of topics in Mississippi: <https://www.epa.gov/ms>. Environmental Topics can also be found on EPA site at <https://www.epa.gov/environmental-topics>. A-Z Topics include: Chemical and Toxins- Health- Land, Waste and Cleanup- Science- Water- Greener Living - Environmental Information by Location-Indoor/Outdoor Air Quality.



Litter Prevention & Recycling

Recycle America Alliance

An alliance formed between Waste Management and The Peltz Group that works with communities to raise recycling awareness and encourages household participation. They assist communities in creating recycling programs; provides tips on hosting recycling events, educational materials and links to national recycling information. For more information contact: What can I recycle? <http://www.recycleamerica.com/>



Southeast Recycling Development Council



The mission of SERDC is to unite industry professionals, organizations, government agencies and individuals

engaged in the business of recycling; to foster communications among those groups; to promote sustainable recycling programs; and, to coordinate education and public awareness activities related to recycling. SERDC's vision is to increase collection and recovery of quality recyclable material; foster economic development via the recycling industry; create a greater awareness of the recycling industry's impact in the southeast; and engage in other activities as permitted by law. [Webinars](#), [Regional Resources](#) at <https://www.serdc.org/>
638 Spartanburg Hwy, Suite 70, #152
Hendersonville, NC 28792

Keep America Beautiful



To inspire and educate people to take action every day to improve and beautify their

community environment. During the Great American Cleanup, Keep America Beautiful affiliates, partner organizations, corporate partners and millions of volunteers: Remove litter and debris from roadsides, highways, shorelines and waterways for safer, cleaner communities; Plant trees, flowers and gardens to strengthen our community's green infrastructure; Clean and restore nature trails, recreation areas and playgrounds to encourage play and physical activity; Recycle aluminum cans, plastic bottles, electronics, paper products, tires, clothing and even junk cars to give garbage another life; Rebuild public spaces in communities struck by natural disasters to renew social connections; and Restore urban, suburban and rural business districts and thoroughfares to spur economic impact. Email: <https://www.kab.org/home>, info@kab.org or (203) 659-3000

Mississippi Department of Transportation

MDOT has free resources to help you deal with traffic. Access what you need to know about road conditions, construction zones, weather and more – even locate welcome centers and rest areas. [MDOT Traffic](#)

ToxTown

Sources of Exposure - Explore places and situations where you might be exposed to hazardous chemicals and contaminants. Learn how you can minimize your risk. <https://toxtown.nlm.nih.gov/sources-of-exposure>

Solid Waste Association of North America

SWANA is an organization of professionals committed to advancing from solid waste management to resource management through their shared emphasis on education, advocacy and research. This association provides training opportunities, publications and links to information on subjects such as, landfills, recycling, waste reduction and converting waste to energy. <http://www.swana.org> or (601) 939-2221.



Keep Mississippi Beautiful/ People Against Litter (KMB/PAL)



The Mission of KMB/PAL is to engage individuals, businesses and governments in beautifying Mississippi and improving quality of life. KMB/PAL is ready to help solve problems dealing with litter prevention and solid waste management in your community. We are available to present programs to local civic organizations, schools and other interested individuals.
<http://www.keeppmsbeautiful.com/> or (800) 545-3764

Recycling and Solid Waste Reduction Program Mississippi Department of



Environmental Quality

The program works with municipal, county, state and federal governments, commercial and industrial facilities, military facilities, schools, institutions including colleges, universities and hospitals and the general public. The goal of the program is to: Increase the amount of recycling and composting in the state; Increase awareness and efforts of non-hazardous and hazardous waste pollution prevention; Increase awareness and efforts of buying products manufactured from recycled materials; and Educate the public of the importance of recycling and solid waste reduction. The Recycling and Solid Waste Reduction Program staff works closely with numerous organizations across the state and region. Some of these organizations include Keep Mississippi Beautiful, Mississippi Recycling Coalition and the Earth 911 Network. To start a program in your area, view recycling directories, download presentations and obtain other recycling links, visit: <https://www.mdeg.ms.gov/> or (601) 961-5739.

Mississippi Department of Transportation (MDOT)

Think Green, Keep Mississippi Clean – Mississippi can no longer afford to ignore a problem that costs over \$3 million a year in clean-up efforts and immeasurable dollars in lost tourism and economic development. MDOT is on a mission to keep litter off Mississippi roadways. On their website, you'll find information on MDOT's anti-litter efforts, their popular media campaign featuring Think Green, Keep Mississippi Clean. MDOT offers numerous programs which are available to the public sector including our "I'm Not Your Mama" educational program presented at no cost to schools, libraries and civic organizations across the state. For more information: <http://sp.mdodt.ms.gov/Maintenance/thinkgreen/Pages/home.aspx>
Email - antilitter@mdot.state.ms.us or call (601) 359-7249.

Call2Recycle

On behalf of corporate stewards, we optimize collection, share our experience and expertise, and responsibly manage the end-of-life of batteries and other material.



Battery recycling is not just business at Call2Recycle, but it is our mission. For over 20 years, we have been fulfilling that mission on behalf of 300+ battery and battery-powered product companies. Operating the highest quality battery recycling program through our commitment to environmental excellence remains the foundation on which our organization and

our program were built and continue to operate.
Email: communicate@call2recycle.org
(877) 723-1297

National Clean Up Day



National CleanUp Day promotes harmony with the land by encouraging stewardship. We are providing mechanisms and tools to support a clean outdoors.
steve@nationalcleanupday.org,
<https://www.nationalcleanupday.org/>
or (720) 985-8600

Nature Centers

Mississippi Museum of Natural Science

The mission of the Mississippi Museum of Natural Science is to promote understanding and appreciation of Mississippi's biological diversity through collections, research, scientific data bases, education, and exhibits; to inspire the people of our state to respect the environment and to preserve natural Mississippi. <http://www.mdwfp.com>



Pascagoula River Audubon Center

The Pascagoula River Audubon Center is a gateway to the Pascagoula River, its habitats and the diverse assemblage of organisms that inhabit or visit the river basin throughout the year. Apart from providing visitors and students direct exposure and experience within such a rich environment, the center serves as a demonstration site for environmentally-friendly concepts and a portal to nature based programs applicable to any and all visitors.



<http://pascagoula.river.audubon.org/>

Clinton Community Nature Center

This is a self-supporting community educational facility situated on 40 acres, with 2.5 miles of walking trails, butterfly gardens and the site of Mississippi's first African-American school. Trails and facilities open free to the public daily from sunrise to sunset. Annual memberships are \$40.00/Family or \$25.00/Individual.



617 Dunton Road, Clinton, MS 39056
(601) 926-1104

Email: edcoordinatorcnc@gmail.com
<http://www.clintonnaturecenter.org/>

Mississippi Hills – National Heritage Area



National Heritage Area covers a 30-county region affectionately known as "Hill Country." The exhibit center, located in the heart of the

region in Tupelo, Mississippi, displays little-known facts about Mississippi's legends and offers an abundance of information and resources for attractions and things to do throughout the region. It's your best stop to understand the Hills National Heritage Area.

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

Crosby Arboretum – Picayune, MS

A division of MSU, this facility is the premier native plant conservatory on the Southeastern US.



This 64 acre center serves to protect the regions biological diversity and provide for public enjoyment of native plant species. The Arboretum operates

seven other associated natural area, totaling 700 acres.

Educational tours are available for both adults and children. Volunteers are always welcome. A daily entrance fee is required, however member admission is free.

370 Ridge Rd, Picayune, MS 39466 (601) 799-2311

<http://www.crosbyarboretum.msstate.edu/>

Mississippi Coast Audubon Society

Our chapter strives to promote interest, enjoyment, and understanding through education of all aspects of our natural and urban environment. We actively encourage the protection of wildlife and the preservation and restoration of native habitat. Partnering with other agencies, we try to promote and awareness and concern for habitat by engaging the public in various activities along the Mississippi gulf coast.



Email: mscoastaudubon@gmail.com,
<https://mscoastaudubon.org/> or (601)909-5383

Infinity Science Center

Infinity's mission: be a place where guests can explore our earth, oceans and space through deepening levels of involvement, ranging from walks through museum galleries, bus tour rides to historic sights, memorable videos and live presentations, engaging, unique citizen science

programs and occasionally participating in world-class historic events.

<https://www.visitinfinity.com/>

One Discovery Circle
Pearlington, MS 39572
(228) 533-9025



Strawberry Plains Audubon Center

Holly Springs, MS



Strawberry Plains Audubon Center is one of Mississippi's finest natural and historic treasures. Through education and demonstration, Strawberry Plains Audubon Center inspires ecological stewardship and

leads community action to conserve and manage our landscape for biodiversity and habitat for birds and other wildlife. With a love of nature and profound foresight, two sisters, Ruth Finley and Margaret Finley Shackelford, entrusted their home and property to The National Audubon Society. We continue their vision by restoring and conserving the 3,000 acres of hardwood forests, wetlands and native grasslands managed by Strawberry Plains. In the community, we work with landowners to develop habitat management plans that will help future generations enjoy the economic and social benefits that clean water and a natural environment provide.

Strawberry Plains is committed to providing experiential and place-based education to students of all ages. 285 Plains Rd, Holly Springs, Mississippi

(662) 252-1155 Email: spacinfo@audubon.org

<https://strawberry.audubon.org/>

Parks & Recreation

City of Columbus Riverwalk

City of Columbus Riverwalk and Trail



The Riverwalk is a 2.2 mile wooded walking trail that meanders along the Tombigbee Waterway near downtown Columbus. The lighted trail features several pavilions and resting

spots for picnicking or people watching. The Riverwalk is the site of several weddings, family reunions and annual concerts and festivals. The trail is a secure facility and is monitored daily with cameras and patrol. The Riverwalk is open year-round and there is no cost for pedestrians.

For more information:

Email: Columbusmainstreet@gmail.com

(662)328-6305

Mississippi Blues Trail

Your unforgettable journey into the land that spawned the single, most important, root source of modern popular music starts here.

Whether you're a die-hard blues fan or a casual traveler in search of an interesting trip, you'll find facts you didn't know, places you've never seen and you'll find facts you never seen and you'll

gain a new appreciation for the area that gave birth to the blues.

For more information: (601) 359-3297



Mississippi Delta Hot Tamale Trail

The Southern Foodways Alliance and Viking Range Corporation created the Mississippi Delta Hot Tamale Trail in an effort to document the history, tradition and culture of hot tamales from Tunica to Vicksburg. As on-going project, there will be regular additions to the oral history archive, as well as to the locations on our interactive map. The Mississippi Delta Hot Tamale Trail offers cultural tourists a complete guide to a unique culinary experience. So head to the Mississippi Delta, which has been called “the most Southern place on earth” for its unique history, music, culture and yes, its food. Grab a shuck and go! To utilize the interactive map, print recipes, plan a trip, links to other “Trails” and more, contact us: <http://tamaletrail.com/>.

National Park Service (NPS)

The NPS works with community groups and local and state governments to conserve rivers, preserve open space and develop trails and greenways. For more information on river, trail and park related resources:



1201 Oakridge Drive, Suite 150

Fort Collins, CO 80525

(970) 267-2151

Find A Park: <http://www.nps.gov/>

National Recreation and Park Association (NRPA)

For more than 100 years, The National Recreation and Park Association has advocated the importance of thriving, local park systems, the opportunity for all Americans to lead healthy, active lifestyles and the preservation of great community places. NRPA establishes new levels of service through national partnerships that provide innovative

programs, funding support and public visibility for communities eager to showcase the benefits of parks and recreation. For more information: <https://www.nrpa.org/> or

(800) 626-6772. Email: customerservice@nrpa.org

Pat Harrison Waterway District (PHWD)

PHWD is a Mississippi State Agency that provides camping, cabins and recreational facilities in Mississippi and is responsible for managing the rivers and their tributaries along the Pascagoula River Basin in Southeastern and East Central Mississippi. In order to effectively accomplish this mission, PHWD focuses on

three specific areas; flood control, water management and recreation. PHWD operates a total of 9 water parks with recreational facilities including cabins, R.V. Camping sites, water slides, boat launches, shelters and lodge halls, nature trails, etc. These water parks are located adjacent to reservoirs and rivers. For more information: <http://www.phwd.net/>

17 J M Industrial Drive, Suite 120, Hattiesburg, MS 39401

Cabin Reservations (800) 748-9403

District Office (800) 748-9618

Natchez National Historical Park

The community of Natchez, the nonprofit Historic Natchez Foundation, and the National Park Service work in partnership to enhance the city's preservation landscape. Today, much of the city's antebellum and Reconstruction-era history maintains a high level of preservation through the designation of 8 National Register of Historic Places districts, 13 national historic landmarks, and the United Nations Educational, Scientific, and Cultural Organization (UNESCO) recognized Forks of the Road slave market site. These preserved sites provide a collective historic context that includes NPS owned properties and strengthens educational and interpretive efforts between the National Park Service and the surrounding community. 640 South Canal Street, Natchez, MS 39120 (601) 446-5790

Plan Your Visit: <https://www.nps.gov/natc/index.htm>

Grand Gulf Military Park

In May of 1962, the Grand Gulf Military Monument Park was officially opened, dedicated to preserving the memory of both the town and the battle that occurred there. Located northwest of Port Gibson, Mississippi off Highway 61,



this 400 acre landmark is listed on the National Register of Historic Places and includes Fort Cobun and Fort Wade, the Grand Gulf Cemetery, a museum, campgrounds, picnic areas, hiking trails, an observation tower and several restored buildings dating back to Grand Gulf's heyday. (601) 437-5911

<http://www.grandgulfpark.state.ms.us/>

Vicksburg National Military Park

The park commemorates the campaign, siege, and defense of Vicksburg. The city's surrender on July 4, 1863, along with the capture of Port Hudson, LA, on July 8, split the South, giving control of the Mississippi



River to the Union. Over 1,340 monuments, a restored Union gunboat and National Cemetery mark the 16-mile tour road. 3201 Clay Street, Vicksburg, MS 39183 -3495

<http://www.nps.gov/vick/index.htm> or (601) 636-0583

Email: vick_interpretation@nps.gov

Jackson Convention Complex

With so much state-of-the-art ballroom, exhibit and meeting space at your command, the Jackson Convention Complex holds huge possibilities for your next event. In fact, you'll be able to host practically anything you can



imagine, from sports tournaments, consumer expos and trade shows to regional and national conventions. Located in the very center of a city filled with passion, warmth and heart, the new Jackson Convention Complex is where Mississippi meets the world.

105 East Pascagoula Street, Jackson, MS 39201

<http://www.jacksonconventioncomplex.com/>

(601) 960-2331

Land Trust for the Mississippi Coastal Plain



P.O. Box 245
Biloxi, MS 39533
228.435.9191

- **Depot Creek Greenway**



The Depot Creek Greenway encompasses 29 acres surrounding a portion of Depot Creek and was inspired by the late Judge William T. Bailey, former Mayor Dayton Whites

and other community leaders who dreamed of an area where visitors could view and learn about nature and wildlife in their native habitat.

<http://ltmcp.org/depot-creek-greenway/>

- **Pascagoula River Blueway**

The longest free-flowing waterway in the nation. The Pascagoula River serves as the heart for all who claim this area home. As a natural estuary, the river hosts abundant animal life including over 22 threatened and endangered species in addition to over 300 plant species. Two-thirds of the Eastern breeding migratory birds use the Pascagoula River and its marshes as a resting point. It is not only a haven for abundant life, its banks hold many notable historic locations and economic treasures. Travel the ten mile Pascagoula River Blueway today to discover everything from boat launches and piers to historic landmarks and natural wonders. <http://ltmcp.org/pascagoula-river-blueway>

- **Bogue Homa Blueway**

The East Pearl River watershed has been home to people of many backgrounds: tribal cultures, explorers, pioneers, logging employees, traders, slaves and freedmen, and settlers from across the globe. Possum Walk was a traditional African-American community along the banks of Bayou Bogue Homa. In these waters people from Possum Walk and Logtown fished, drew water, washed clothing, and met their everyday needs. The Possum Walk Heritage Trail opened on the August 14, 2013 to hiking, off-road bicycling, and kayaking. The bayhead swamp offers unparalleled wildlife due to the thousands of acres of buffer zone that surround the site.

<http://ltmcp.org/bogue-homa-blueway-2/>

- **Jourdan River Blueway**

The Jourdan River Blueway Trail invites canoers and kayakers to explore a 8.5 mile trail through coastal floodplains and a riverine ecological system. The river trail links the McLeod Park canoe launch to the Bayou Talla boat launch.

The tranquil waters of the upper Jourdan River offer a haven for birds, wildlife, and paddlers! From Bayou Bacon to Bayou Talla, the blueway trail guides kayakers and canoe enthusiasts past the artesian springs, hardwood forests, and through the natural beauty of Hancock County. From the boat launch at McLeod Park, paddlers may go up river past oxbow lakes and bluffs to Bayou Bacon. The trail continues downriver past sandbars, the Highway 603 bridge, homes and restaurants of Jourdan River Shores, to the Bayou Talla boat launch. The Jourdan River below McLeod Park is a popular area for high-speed water sports, so

- **Cedar Lake Island Nature Trail**

Cedar Lake Island played an important role in Mississippi's economy in the 1920s, as the home of the Vinny logging community. The town dwindled when the sawmill closed. Ruins are visible onsite. The Land Trust has worked to preserve this piece of history in partnership with the Mississippi Heritage Trust. The 0.5 -mile out-and-back trail includes a boardwalk, scenic vistas of the Tchoutacabouffa River, and excellent bird watching opportunities. Access is free but by appointment only, in order to help us prevent overuse and damage to fragile archaeological artifacts. We encourage school groups to contact us about educational field trip opportunities. <http://ltmcp.org/recreational-trails/cedar-lake-island-nature-trail/>

- **Enchanted Nature Trail**

Henderson Point, Pass Christian, MS
Experience the wonder of nature through the interactive and educational Enchanted Nature Trail at Henderson Point. Designed with children in mind, the trail contains different interactive play stations including the marsh overlook, story circle, insect hotels, animal wood carvings and sign posts, and the vine tunnel. Visitors are encouraged to create nature collages and fairy houses along the trail and in the story circle area. A "fairy" house is situated near the story circle to provide storage for various items including paper and crayons for tree ring etchings, a variety of nature scavenger hunts, and other materials for schools and educational groups.

<http://ltmcp.org/enchanted-nature-trail/>

- **Tchoutacabouffa Nature Park Trail**

The Land Trust believes in conserving and protecting outdoor areas for recreational use, including this nature park along the banks of the Tchoutacabouffa River in D'Iberville. Public-access trails are currently under development in this area and materials will be developed as funding becomes available.

<http://ltmcp.org/tchoutacabouffa-nature-park-trail/>

- **Turkey Creek Blueway**

Turkey Creek is a beautiful, meandering waterway beginning in central, rural Harrison County, Mississippi and flowing toward its confluence with Bayou Bernard, just north of the Gulfport-Biloxi International Airport. The brackish waters from this creek serve as a nursery for saltwater life. Funding from a Five Star Restoration Grant through the National Fish and Wildlife Foundation, in partnership with the U.S. Forest Service and Southern Company.

<http://ltmcp.org/recreational-trails/turkey-creek-blueway/>

- **Wolf River Water Trails**

The Wolf River Blueway offers several trails as well as different types of trails to explore the Wolf River and its nearby waters. Kayak and canoe within the river and St. Louis Bay, and a sail trail to Cat Island provide an opportunity for all types of adventurers to see the wonders of the watershed.

<http://ltmcp.org/wolf-river-water-trails/>

- **Old Fort Bayou Blueway**

<http://ltmcp.org/old-fort-bayou-blueway/>

Old Fort Bayou is a beautiful, meandering waterway in Jackson County, Mississippi. Its origins (headwaters) begin in the longleaf pine savannas south of Vanleave. The bayou continues through many important natural areas, including the Sandhill Crane Wildlife Refuge, The Nature Conservancy's Old Fort Bayou mitigation property, the Land Trust's Twelve Oaks Conservation Park, and Mississippi's Old Fort Bayou Coastal Preserve, deepening and widening toward its mouth at Biloxi Bay in Ocean Springs.

- **Pascagoula River Blueway**

<http://ltmcp.org/pascagoula-river-blueway/>

The longest free-flowing waterway in the nation The Pascagoula River serves as the heart for all who claim this area home. As a natural estuary, the river hosts abundant animal life including over 22 threatened and endangered species in addition to over 300 plant species. Two-thirds of the Eastern breeding migratory birds use the Pascagoula River and its marshes as a resting point. It is not only a haven for abundant life, its banks hold many notable historic locations and economic treasures. Travel the ten mile Pascagoula River Blueway today to discover everything from boat launches and piers to historic landmarks and natural wonders.

- **Shearwater Park, Ocean Springs, MS**

<http://ltmcp.org/shearwater-park/>

Shearwater Park, complete with benches, trees, and a walking path, is the perfect place for birdwatching and quiet contemplation surrounded by quintessential coastal scenery. The park abuts Ocean Springs' Inner Harbor, where boats of all shapes, sizes, and colors bob gently in their berths. Squadrons of pelicans, shearwaters, and other shorebirds perch leisurely atop the wooden pilons that support the piers, taking flight or diving into the water as the mood strikes. Herons wade in the water, fishing for their dinner. Brilliant white egrets roost in the trees at the close of day: a breathtaking sight!

- **Twelve Oaks Walking Trail**

<http://ltmcp.org/twelve-oaks-walking-trail/>

Twelve Oaks is named for the numerous Live Oaks sprinkled among a spectacular setting of native plants and Old Fort Bayou. Many of the oaks are believed to be over 400 years old and they make a tremendous impression when one stands beneath their widespread canopy. The walking trail, with an observation deck, offers visitors hiking and birding opportunities. Habitats onsite include a mixed pine and oak forest with a mature canopy, a seepage slope forest, headwater bay swamps, and a large area of tidal marsh.

- **Weeks Bayou Nature Trail**

<http://ltmcp.org/weeks-bayou-nature-trail/>

The Land Trust conducted a restoration project at Weeks Bayou as part of a team effort aimed at improving water quality and providing students with an outdoor classroom. The site includes a mini-nature trail that showcases both wooded and estuarine landscapes.

Pollution

Air and Waste Management Association

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



This non-profit organization provides training, information and networking opportunities for environmental professionals. The Air &

Waste Management Association is the educational and technical organization for professionals concerned with the issues of air pollution control and waste management. The Association began in 1907 and is now an organization of 13,000 members who are engineers, scientists, government officials, industrial personnel, control equipment and instrument manufacturers, and academicians.

436 Seventh Avenue, Suite 2100, Pittsburgh, PA 15219
(800) 270-3444

Federal Highway Administration (FHWA)

Congestion Mitigation and Air Quality Improvement

Provides funding for transportation control measures employed for the purpose of reducing congestion and improving air quality.

1200 New Jersey Ave., SE

Washington, DC 20590

<http://www.fhwa.dot.gov/environment/> or (202) 366-4000

Jesus People Against Pollution (JPAP)

JPAP is a grassroots environmental justice organization



located in Columbia, Mississippi. The organization was created in response to an explosion at a local chemical plant that resulted in severe exposure of the community to toxic substances. JPAP

strives to educate and inform the impacted communities about available toxicology and environmental health resources.

PO Box 464, Columbia, MS 39429

Email: KeysJPAP@aol.com

<http://sis.nlm.nih.gov/outreach/outreachjpap.html>

(601)736-7099 or (601) 818-0137

Pat Harrison Waterway District Water Quality Grants



Assists communities with funding of feasibility studies of prevention and/or treatment processes to eliminate and/or clean waste waters and protect receiving streams from pollution.

17 J M Tatum Industrial Drive, Suite 120

Hattiesburg, MS 39401

<https://www.phwd.net> (800) 748-9618

Office of Pollution Control

The Office of Pollution Control, as part of the



Department of Environmental Quality is the agency charged with the responsibility of enforcing federal and state laws to "...conserve the air and water and to protect, maintain and improve the quality thereof for public

use.” For information on permitting, monitoring, compliance and financial/technical assistance:

P. O. Box 2261, Jackson, MS 39225 (601) 961-5171
<https://www.mdeq.ms.gov/land/waste-division/pollution-prevention-program/>

Office of Environmental Management



Office of
ENVIRONMENTAL MANAGEMENT

The U.S.

Department of Energy's (DOE) Office of Environmental Management (EM) mission is to address the nation's Cold War environmental legacy resulting from five decades of nuclear weapons production and government-sponsored nuclear energy research. This legacy includes some of the world's most dangerous radioactive sites with large amounts of radioactive wastes, spent nuclear fuel (SNF), excess plutonium and uranium, thousands of contaminated facilities, and contaminated soil and groundwater. Created in 1989, EM has the responsibility for completing the cleanup of this Cold War legacy and managing the remaining nuclear materials. As the largest environmental cleanup program in the world, EM has been charged with the responsibility of cleaning up 107 sites across the country whose area is equal to the combined area of Rhode Island and Delaware. EM has made substantial progress in nearly every area of nuclear waste cleanup and has completed cleanup at 91 of these sites.

1000 Independence Ave., SW, Washington, DC 20585
202-586-5000 (Main DOE Switchboard)

202-586-7709 (Office of Environmental Management)

Email: EM.WebContentManager@em.doe.gov
<https://www.energy.gov/em/office-environmental-management>

National Oceanic and Atmospheric Administration

NOAA is an agency that enriches life through science. Our reach goes from the surface of the sun to the depths of the ocean floor as we work to keep the public informed of the changing environment around them. Stewardship is NOAA's direct use of its knowledge to protect people and the environment, as the Agency exercises its direct authority to regulate and sustain marine fisheries and their ecosystems, protect endangered marine and anadromous species, protect and restore habitats and ecosystems, conserve marine sanctuaries and other protected places, respond to environmental emergencies, and aid in disaster recovery. Each year, billions of pounds of trash and other pollutants enter the ocean.

1401 Constitution Avenue NW, Room 5128
Washington, DC 20230 - (828) 271-4800

Email: NOAA.Staff.Directory@noaa.gov
<https://www.noaa.gov/> NOAA in Mississippi
<https://www.noaa.gov/education/resource-collections/ocean-coasts-education-resources/ocean-pollution>

U.S. Environmental Protection Agency

The mission of EPA is to protect human health and the environment. EPA works to ensure that: Americans have clean air, land and water; National efforts to reduce environmental risks are based on the best available scientific information; Federal laws protecting human



health and the environment are administered and enforced fairly, effectively and as Congress intended; Environmental stewardship is integral to U.S. policies concerning natural resources, human health, economic growth, energy, transportation, agriculture, industry, and international trade, and these factors are similarly considered in establishing environmental policy; All parts of society--communities, individuals, businesses, and state, local and tribal governments have access to accurate information sufficient to effectively participate in managing human health and environmental risks; Contaminated lands and toxic sites are cleaned up by potentially responsible parties and revitalized; and Chemicals in the marketplace are reviewed for safety.

Environmental Protection Agency
Atlanta Federal Center, 61 Forsyth Street, SW,
Atlanta, GA 30303-3104

<https://www.epa.gov/>
(404) 562-9900 or (800) 241-1754

Mississippi Water and Pollution Control Operators' Association

The Mississippi Water and Pollution Control Operators' Association, Inc. is an independent, non-profit organization managed by its membership and supported by membership

MISSISSIPPI
WATER & POLLUTION CONTROL
OPERATOR'S ASSOCIATION

subscriptions, short courses, the Mississippi State Department of Health and the Mississippi Department of Environmental Quality, Office of Pollution Control. Organized in 1961, the main objective of the Association is to protect the interests of water and pollution control operators in the State of Mississippi. The Association has worked for many years to improve operators' training short courses. The Association instituted a voluntary operator certification program in 1972 and succeeded in obtaining passage of a law in 1986, the "Municipal and Domestic Water and Wastewater System Operator's Certification Act of 1986," which made the certification of operators mandatory after July 1, 1987. This law provides job security and improved benefits for operators, as well as providing better quality water and a safer environment for customers. The development and dissemination of water quality information is another important goal. MWPCOA is divided into nine district associations statewide.

P.O. Box 720399, Byram, MS 39272

<https://www.mwpcoa.org/>
Email: mwpcoa@att.net (601) 857-0512

American Water Works Association

The American Water Works Association (AWWA) is an International nonprofit scientific and educational society dedicated to the improvement of drinking water quality and supply. Founded in 1881, AWWA is the largest organization of water supply professionals in the world. Its more than 50,000 members represent the full spectrum of the drinking water community: treatment plant operators and managers, scientists, environmentalists, manufacturers, academicians, regulators, and others who hold genuine interest



in water supply and public health. Membership includes more than 4,000 utilities that supply water to roughly 180 million people in North America. The American Water Works Association is dedicated to the promotion of public health and welfare in the provision of drinking water of unquestionable quality and sufficient quantity. AWWA must be proactive and effective in advancing the technology, science, management, and government policies relative to the stewardship of water.

P.O.Box 835, Fairhope, AL 36533-0835
<http://www.aimsawwa.org/Default.asp?ID=125&pg=Home>
334-538-4706

Mississippi River Collaborative



The Mississippi River Collaborative is a partnership of environmental organizations and legal centers from states bordering the Mississippi River as well as regional and national groups

working on issues affecting the Mississippi River and its tributaries. The Collaborative harnesses the resources and expertise of its diverse organizations to reduce pollution entering the Mississippi River as well as the Gulf of Mexico. The activities of the Collaborative are divided into two main categories: policy activities, which include training and technical research, and communication activities, which include workgroup collaboration and public outreach. Much of the policy and communication activities of the Collaborative take place in its workgroups, which generally hold monthly conference calls, host bi-annual in-person meetings, and provide training and technical assistance to partner groups.

625 Market Street, Knoxville, Tennessee
<http://www.msrivercollab.org/>
(865) 522-7007 Ext 104

River Network

River Network empowers and unites people and communities to protect and restore rivers and other waters that sustain all life. We believe that everyone should have access to affordable, clean water, and healthy rivers. River Network



connects local water organizations and empowers organizations and individuals with the tools, training, and resources needed for success. We unite peers and link them with organizations, agencies, foundations, and businesses who can fuel and further their work.
<https://www.rivernetwork.org/case-study/the-clean-water-act-in-play-in-mississippi/>

American Ground Water Trust

The American Ground Water Trust is a national not-for-profit organization with an educational mission to protect ground water, promote awareness of the environmental and economic importance of ground water, and provide accurate information to assist citizens, communities and decision makers in water resources issues. <https://agwt.org/>



Publications

U.S. Environmental Protection Agency

EPA Announces Availability of Funding for Waterway Trash Reduction Projects in the Gulf

<https://www.epa.gov/newsreleases/epa-announces-availability-funding-waterway-trash-reduction-projects-gulf-0>

The Sustainable Sites Initiative

A New Report from the U.S. Green Building Council Shows that Climate Action Requires Putting People First.

<https://www.gbci.org/new-report-us-green-building-council-shows-climate-action-requires-putting-people-first>

Ready.Gov

Individuals or organizations who would like to order printed copies of ready emergency preparedness publications can request copies by downloading the Ready Materials Order Form (PDF) as well as materials related to individual and community preparedness by downloading the Individual and Community Preparedness Publication Order Form (PDF).

<https://www.ready.gov/publications>

Mississippi Emergency Management Agency

Below you will find links to important publications that can help your community understand important steps MEMA / FEMA takes before, during and after a disaster. [http://](http://www.msema.org/resources/publications/)



www.msema.org/resources/publications/

Parks & Recreation

The National Park Service implemented a new electric bicycle (e-bike) policy for national parks, expanding recreational opportunities and accessibility. The Policy directs Department of the Interior (DOI) bureaus to create a clear and consistent e-bike policy on all federal lands managed by the Department. The policy also increases recreational opportunities on public lands.

Keep Mississippi Beautiful

National nonprofit Keep America Beautiful® and The Coca-Cola Foundation sponsored the Coca-Cola Public Spaces Recycling Bin Grant Program in a combined effort to improve recycling collection in more public space locations throughout the country. The 2019 program is distributing public space recycling bins to 31 organizations, including Keep America Beautiful community-based affiliates as well as government agencies, colleges and universities, and Native American tribal locations in 19 states.

Supporting Farmers Markets and CSAs in Park and Recreation Spaces

Park and recreation sites provide a unique opportunity to engage the community and educate residents about healthy foods. Hosting farmers markets and community supported agriculture (CSA) programs in these spaces not only increases the availability of healthy, fresh foods, but also supports local agriculture initiatives.

National Wildlife Federation

Native Plant Challenge: Calling All Cities to Plant Native Communities are planting with a purpose: to help disappearing monarch butterflies, bees, songbirds and other wildlife and to reconnect their cities to the local ecosystem. These efforts are more important than ever in the U.S. as we work to combat the extinction crisis.

MDWF Mississippi Outdoors

<https://www.mdwfp.com/magazine>



LSU Greenlaws Website

A resource home page for urban design, city planning, urban forestry, site design, landscape architecture, architecture, site engineering, land use law and land development--highlighting legal standards and technical requirements for site development planning, tree preservation and landscape ordinance legislation. Download publications such as "Model Tree Ordinances" and "Model Landscape."

Air & Waste Management Association (A&WMA)



Over the years, A&WMA has developed a series of Environmental Education Resource Guides

(EERGs) as part of our Public Education strategy. Each EERG contains approximately 15 lessons designed to address various aspects of important environmental issues such as air quality and non-point source pollution. Our award-winning curriculum, available for grades K-12, has proven itself to be an invaluable classroom tool for environmental educators. To view samples of our materials and to further familiarize yourself with our program, please visit: www.awma.org

International Paper – Down to Earth Series



Down to Earth covers topical issues in a thought-provoking manner that helps to dispel some of the myths and

misconceptions regarding environmental issues in the paper and printing industries. By educating those inside our industries, we can help customers and end users better understand these complex environmental issues and the steps that the forest products and printing industries are taking to become more sustainable and make positive contributions to our world. For more information:

www.internationalpaper.com/Down2EarthOnline.

Mississippi Economic Review & Outlook



This study presents the state and national economic forecasts. It includes articles analyzing issues related to the state economy. Detailed forecast and historical tables track trends in major economic indicators and present projections for the

coming five years. It is published twice yearly. For more information: www.ihl.state.ms.us/urc/ or (601) 432-6997.

Mississippi Native Plant Society

<https://www.mississippinativeplantsociety.org>



Leaves of Change – InterfaceSouth



Leaves of Change is a quarterly bulletin that focuses on our science delivery activities, research projects and partner activities. This bulletin is sent out electronically through the InterfaceSouth listserv, which you can join by visiting: www.interfacesouth.org/listserve/swuinet.

Inside EPA

InsideEPA.com is a product of Inside Washington



Publishers, which for over 25 years has provided exclusive, relevant news about the federal

policymaking process to professionals who have a need to know about the process. It has groups of news services covering environment, defense, international trade, health care, energy and aviation. The Inside Story, our document archive and all of the other services available in an annual online subscription.

Wood Energy Newsletter

Kilwa Biomass has first hand experience in working with stakeholders, municipalities and non-profit



agencies and is committed to Community Forestry. For more information:

<http://www.kilwabiomass.com> or

(412) 242-0518.

Association of State Floodplain Managers (ASFPM)

The Association of State Floodplain Managers is an organization of professionals involved in floodplain management, flood hazard mitigation, the National



Flood Insurance Program and flood preparedness, warning and recovery. ASFPM has become a respected voice in floodplain management practice and policy in the United States because it represents the flood hazard specialists of local, state and federal government, the research community, the insurance industry and the

fields of engineering, hydrologic forecasting, emergency response, water resources and others. To obtain information on training/education, flood maps & data, state/local resources, national policy & programs and publications visit: www.floods.org/ or call (608) 274-0123.

Developing Backyard Wildlife Habitats in Mississippi Provided by MSU Cares

Creating a landscape to attract wildlife is a goal of many homeowners. As natural areas for wildlife have decreased because of urbanization, more and more homeowners are realizing there is more to a landscape than a sterile arrangement of plants. It can and should

Disaster Preparedness Coloring Book



American Red Cross

This coloring book is designed for adults and children to work on together. Children can learn about fire, earthquakes, floods, tornados and other disasters, as well as how to protect themselves – all while having fun coloring. You can obtain a copy at: www.redcross.org/www-files/Documents/pdf/foreignmat/colorbk.pdf.

Clean Water in Your Watershed: a Citizens Guide to Watershed Protection



Provided by EPA, this guide is designed to help citizen groups work with local, state and federal government agencies to design and complete a successful watershed protection or restoration project. It walks you through the deceptively simple steps. Obtain this booklet at: www.epa.gov/nscep/index.html.

Backyard Conservation

Bringing Conservation From the Countryside to Your



Backyard Provided by NRCS (Natural Resources Conservation Service) "Backyard Conservation" shows you how conservation practices that help

conserve and improve natural resources on agricultural land across the country can be adapted for use around your home. These practices help the environment and can make your yard more attractive and enjoyable. Most backyard conservation practices are easy to use. America's farmers and ranchers have been using these practices successfully for decades. Whether you have rural acreage, a suburban yard or a city lot, you can help protect the environment and add beauty and interest to your surroundings. Ten conservation practices have been scaled down for homeowners. To download this publication: <https://www.nrcs.usda.gov>.

Economic Benefits of Runoff Controls

Provided by the EPA

The purpose of this report is to show that certain urban runoff management controls can be incorporated into a development in a way that provides aesthetic and economic benefits. To print this publication: www.epa.gov/owow/NPS/runoff.html.

Wetland Protection & Restoration: a Guide for legislators

Provided by Jon Kusler, Association of Wetland Managers, Inc. This guide was prepared to help legislators and their



staffs understand common issues in wetland protection and restoration and identify opportunities for strengthening wetland protection and restoration. To print a copy of this brochure: www.aswm.org/propub/1_legislator_26_06.pdf

Federal Emergency Management Agency

www.fema.gov/kids/



Green Energy News



The publication was developed to offer news and commentary in regards to clean, efficient and/or renewable energy in relation to business, technology, issues and policy. Green Energy News is geared to a wide

audience ranging from consumers to industry professionals to the educational community to government officials. Topics include: buildings: grounds, lighting, heating, etc; Fuel Issues: energy dependence, pollution officials. Buildings: grounds, , etc; Power Generation and much more. To subscribe go to: www.green-energy-news.com/.

American Planning Association – Planning the Urban Forest



The culmination of a three-year research project, Planning the Urban Forest is a best-practices manual about integrating urban forestry into municipal planning activities. To purchase: www.planning.org/

or
(312) 431-9100.

Smallwood-News



Your weekly source for small diameter timber utilization and woody biomass news. For subscription information:

www.timberbuysell.com.

Interface South



InterfaceSouth recently developed a fact sheet about research conducted by the Southern Research Station and the National Institute of Standards and Technology that demonstrated that wildfire prevention education pays for itself many times over.

Wildfire prevention education aims to teach the public about the dangers of accidentally igniting fires, with the expectation that these activities will lead to fewer wildfires. For more information: <https://www.srs.fs.usda.gov> or (852) 376-3271.

International Conservation Publications

Environment News Service www.ens-newswire.com/

EnviroLink-The online environmental community - www.envirolink.org/

The Environmental Magazine Online

www.emagazine.com/

Natural Resources Defense Council News

www.nrdc.org/news/



As a GrantStation member, you will immediately start receiving our weekly e-newsletter, the

GrantStation Insider. This newsletter is filled with the latest national and regional grant opportunities, as well as upcoming federal deadlines that will assist the serious grant-seeker. The GrantStation Insider is delivered every Monday to your inbox via email and a full archive of the funding opportunities is also available to you online. For more information: www.grantstation.com/insider.asp.

Mississippi Municipal League



MML is the Official Non-Profit private organization of Cities and Towns of Mississippi. The MML lobbies the state and federal legislatures, provides education for municipal elected officials, provides technical support, represents municipalities with public and private entities, and is a networking media for municipal members. For more information:

www.mmlonline.com or
(800) 325-7641.

Storm Damage



Rankin County Emergency Operations

The Emergency Management Operations or commonly referred to as EOC, is a multi-functional agency whose primary duty is to prepare, respond and recover from several types of natural, man-made and

technological disasters that may occur in Rankin County. These disasters include severe weather emergencies such as large thunderstorms, tornadoes, floods, large fires and hazardous materials HAZMAT incidents. They also serve as a support agency for other county departments as well as assisting municipalities as needed. They are the liaison agency between the cities and county to the State of Mississippi and the Federal Government in case of a major disaster. They sponsor many preparedness workshops as well. For more information: www.rankincounty.org or (601) 825-1499.

Incident Command System (ICS)

The Texas Engineering Extension Service (TEEX) would like you to consider adding the, US DHS grant-funded Incident Management courses to your training plans. You provide the place and the people and they will provide the training. For more information: www.fema.gov/emergency/nims/IncidentCommandSystem.shtm or (800) 621-3362.

Mississippi Emergency Management Agency(MEMA)

The Training Bureau offers a wide range of emergency management and first responder training for all levels of government, private industry and volunteer organizations. Courses are offered state-wide by a team of training coordinators in a field-delivered environment. For more information: www.msema.org or (866) 519-6362.

Mississippi Forestry Commission (MFC)

For many resources relating to storm damage: Information on specific storms/tornados, press releases, publications and useful links go to www.mfc.ms.gov/.

Arbor Day Foundation - Storm Recovery Kit

This kit contains information about how communities and individuals can save damaged trees after violent storms.



For a broadcast-quality video resource for television stations to

use in the wake of a storm and to print downloadable articles and artwork go to: www.arborday.org/media/stormrecovery/.

Storm Preparedness and Mitigation

Mississippi Emergency Management Agency

Our mission, at the Mississippi Emergency Management Agency, is to safeguard Mississippi and her citizens by fostering a culture of preparedness, executing timely response during disaster, and quickly restoring quality of life post event. Emergency Management is a comprehensive approach for administering and governing efforts in mitigation, preparedness, response, and recovery. Recognizing that emergency management begins and ends at the local level, the Mississippi Emergency Management Agency is a vital asset for the state of Mississippi. Regardless of the threat, MEMA will plan and prepare for emergency scenarios, respond to and support local EMAs during emergency events, and coordinate and resource recovery efforts in the wake of a disaster.

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

Ready.gov



Ready is a National public service campaign designed to educate and empower the American people to prepare for, respond to and mitigate emergencies, including natural and man-made disasters. The goal of the campaign is to promote preparedness through public involvement.

<https://www.ready.gov/>

American Red Cross

The American Red Cross, through its strong network of volunteers, donors and partners, is always there in times of need. We aspire to turn compassion into action so that all people affected by disaster



across the country and around the world receive care, shelter and hope; our communities are ready and prepared for disasters; everyone in our country has access to safe, lifesaving blood and blood products; all members of our armed services and their families find support and comfort whenever needed; and in an emergency, there are always trained individuals nearby, ready to use their Red Cross skills to save lives. <https://www.redcross.org/get-help/how-to-prepare-for-emergencies.html>

Federal Alliance for Safe Homes

The nonprofit Federal Alliance for Safe Homes (FLASH®)



is the country's leading consumer advocate for strengthening homes and safeguarding families from natural and manmade disasters. Our

Mission: To promote life safety, property protection and resiliency by empowering the community with knowledge and resources for strengthening homes and safeguarding families from natural and man-made disasters.

1708 Metropolitan Blvd, Tallahassee, FL 32308
877.221.SAFE

Email: info@flash.org

<http://www.flash.org/index.php>

Federal Emergency Management Agency



For 38 years, FEMA's mission remains: to lead America to prepare for, prevent, respond to and recover from disasters with a vision of "A Nation Prepared." The Federal Emergency Management Agency coordinates the federal government's role in preparing for, preventing, mitigating the effects of, responding to, and recovering from all domestic disasters, whether natural or man-made, including acts of terror.

500 C Street S.W., Washington, D.C. 20472
<https://www.fema.gov/> (202) 646-2500

Association of State Floodplain Managers



The Association of State Floodplain Managers is an organization of professionals involved in floodplain management, flood hazard mitigation, National Flood Insurance Program, and flood preparedness, warning and recovery. ASFPM is a respected voice

in floodplain management practice and policy in the United States because it represents flood hazard specialists of local, state and federal government, research community, insurance industry and the fields of engineering, hydrologic forecasting, emergency response, water resources and others. The mission of ASFPM is to promote education, policies and activities that mitigate current and future losses, costs and human suffering caused by flooding, and to protect the natural and beneficial functions of floodplains - all without causing adverse impacts.

P.O. Box 5644, Pearl, MS 39288
601-933-6622 jhenderson@mema.ms.gov
<https://www.floods.org/index.asp?menuID=767>

Student Programs

Mississippi Farm Bureau



AG in the Classroom is a school-based program helping K-12 students acquire a broader knowledge of agriculture and how it affects their world. This program

encourages educators to teach more about our food and fiber system and the critical role of agriculture in our community and society. Teacher resources, activities, and lessons plans. For more information:

<https://msfb.org/ag-in-the-classroom/> or
(800) 227-8244 Ext. 4245.

MSU Coastal Research Extension Center

The Coastal Research and Extension Center is Mississippi State University's "southern exposure," linking residents of the coastal region to the university. The center's mission is to conduct research and education programs aimed at developing a better understanding and use of renewable and nonrenewable resources in south Mississippi. Its applied research and educational

programs with biological, physical and social systems focus on enhancing the quality of life of residents of Mississippi and other Gulf states. For more information:
<https://coastal.msstate.edu/> or (228) 388-4710.

Food, Land & People Coalition



This nonprofit organization is committed to helping people of all ages better understand the interrelationships among agriculture, the environment and people of the world. Food, Land & People's science and social sciences-based curriculum, Resources for Learning, currently serves Pre-K to 12th grade students throughout the United States. The curriculum consists of 55 hands-on lessons developed and tested by more than a thousand educators. The subjects range from environmental science and stewardship ("Don't Use It All Up!") to human populations and land use issues ("What Will the Land Support?") For more information: www.foodlandpeople.org/.

Project Learning Tree

This is an award-winning environmental education program designed for teachers and other educators, parents, and community leaders working with youth from preschool through grade 12. For more information: <http://plt.org/> or (601) 656-8612.



<https://www.facebook.com/projectlearningtree>

Project WILD

This is a wildlife focused, conservation education program for k-12 educators and their students. Project Wild is one of the most widely-used conservation and environmental education programs among educators of students. It is based on the premise that young people and educators have a vital interest in learning about our natural world. A national network of State Wildlife Agency Sponsors ensures that Project WILD is available nationwide – training educators in the many facets of the program. Emphasizing wildlife because of its intrinsic value, Project WILD addresses the need for human beings to develop as responsible citizens of our planet. For more information: www.projectwild.org/ or (713) 520-1936.



National Gardening Association

Our mission is to create opportunities for kids to play, learn, and grow through gardening, engaging their natural curiosity and wonder. We offer inspiration and support to educators and families by way of grants, original educational resources, and by cultivating a community of practice. www.kidsgardening.org/



Keep America Beautiful

To inspire and educate people to take action every day to improve and beautify their community environment.

<https://www.kab.org/>



MS Department of Wildlife and Fisheries (MDWF)



For Pre-K through high school students, Kids Club offers games, puzzles, and other fun activities related to the Museum's permanent and special exhibits.

These activities highlight things that you can see in the Museum and in nature. <https://www.mdwfp.com/museum/learn-teach/kids-corner/>

Outdoors Alliance for Kids



The Outdoors Alliance for Kids (OAK) is a national strategic partnership of 100+ organizations from diverse sectors with a common interest in connecting children, youth and families with the outdoors. OAK's members are brought together by the belief that the wellness of current and future generations, the health of our planet and communities and the economy of the future depend on humans having a personal, direct and life-long relationship with nature and the outdoors.

<https://outdoorsallianceforkids.org/>

<https://www.facebook.com/outdoorsallianceforkids/>

Adopt-a-Stream Mississippi

Adopt-A-Stream Mississippi is a cooperative effort between the Mississippi Wildlife Federation and the Mississippi Department of Environmental Quality (MDEQ) to involve citizens in stream stewardship and water quality monitoring. Two-day workshop, held twice yearly, increases public awareness of local water resources and builds partnerships to protect waterways. Workshops and youth educational program are held statewide. For more information: <http://www.ms.wildlife.org/AAS/> or (601) 605-1790.

Mississippi Department of Transportation (MDOT) Safe Routes to School Program



The overarching goals for the Safe Routes program is to address student health by encouraging more physical activity, to reduce

traffic congestion and improve air quality in the vicinity of schools. The goal of Mississippi's SRTS program is to empower Mississippi communities in planning, developing and implementing programs that make walking and bicycling to school a safe and healthy alternative to being driven by bus or motor vehicle. Through available federal funds, communities can stage a wide variety of projects and activities to encourage, from building safer street crossings to establishing programs that encourage and educate children and their parents to safely walk and bicycle to school. For more information: www.saferoutesinfo.org/ or (601) 359-1454.

Ducks Unlimited Youth

A contribution of \$15 dollars makes you a Greenwing member.



Arbor Day Foundation

Toolkit for Early Childhood Programs

Inspiring Children's Spirit of Stewardship: Wherever we live in our world, we know it's vital that our children grow up to become the next generation of environmental stewards. The best way to protect our environment in the future is to help our children grow up with a love for the earth today. The best way to prepare our children for the world they're going to inherit is to empower them to become problem solvers and critical thinkers. It's important to engage our children in conservation activities that focus on positive actions without worrying them about frightening aspects of environmental problems they're too young to understand. The activities in this Toolkit (designed for ages 3-8) will suggest fun ways for your early childhood program to focus on positive actions teachers and children can take together to help the world we share become a "greener" and healthier place. For mailing options: (402) 474-8500.

Tennessee Valley Authority

Website Just for Kids – Save Energy

www.tvakids.com/electricity/conservation.htm



Myrtle the Turtle Think Green, Keep Mississippi Clean (MDOT)

Myrtle doesn't like to pick up after you but she will if she has to. Go to: [www.gomdot.com/Divisions/Outreach/Resources/Programs/AntiLitter/EducationalComponents/ Home.aspx](http://www.gomdot.com/Divisions/Outreach/Resources/Programs/AntiLitter/EducationalComponents/Home.aspx) to find out more information about Myrtle the Turtle and getting a presentation for your child's classroom or call (601) 359-7001.



Environmental Protection Agency (EPA) Kids' Club

You will find environmental activities and awards for students and the environmental tip of the day. www.epa.gov/kids/



Mississippi Environmental Education Alliance (MEEA)

The Mission of the MEEA is to actively encourage and support the education, philosophy and ethics of environmental awareness and literacy for the citizens of Mississippi. It promotes environmental education and supports the work of environmental educators in Mississippi. Further, MEEA encourages the adoption of earth-friendly lifestyles leading to the sustainability of natural and cultural resources. For more information: (601) 354-7303 ext. 131.



Canopy

Canopy's K-12 education programs provide hands-on, outdoor activities that spark kids' curiosity about trees and nature. Our unique curriculum was developed by education professionals specializing in experiential learning. The material for each grade level aligns with learning goals from the California State Standards, Common Core principles, and Next Generation Science Standards. <https://canopy.org/our-work/school-programs/>

Sustainable Development

U.S. Green Building Council

The Washington, D.C. based U.S. Green Building Council (USGBC) is a 501 c3 non-profit organization committed to a prosperous and sustainable future for our nation through cost-efficient and energy-saving green buildings. The USGBC's mission is to transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy and prosperous environment that improves the quality of life.

2101 L St NW, Ste 500
Washington, District of Columbia
<http://www.usgbc.org/>
(800) 795-1747

The Mississippi Grove

Mississippi is part of The Grove, a Web site and online community created to engage and encourage citizens to plant trees and protect the urban tree canopy. The Grove in your state is sponsored by the Mississippi Urban Forestry Council and the Mississippi Forestry Commission.

Email: morgan@americangrove.org
<http://thegrove.americangrove.org/>
(601) 672-0755

Sustainable Community Development Group, Inc. (SCDG)

This is a not-for-profit corporation at the forefront of working with the public, private and community sectors to advance environmental sustainability, equitable development and global smart growth. Their goal is education and strategies that help develop leaders who understand how public and private redevelopment works and can be used to address health and environmental concerns as well as social and economic concerns. SCDG's team delivers expert services at the national level, in the states and international venues. They deliver services in a range of areas including: Public Policy, Education and Training, Research and Analysis, Technical Assistance, Strategic Planning, Consensus Process, Grantsmanship, Coalition Building, Program Management, Meetings and Conferences, Organizational Development Outreach and Advocacy and Intergovernmental Relations.

7509 Blair Road NW, Suite 102
Washington, DC 20012, US
Email: gerinc@mindspring.com
<http://sustainablecommunitydevelopmentgroup.org/index.htm>
(202) 637-2467



Urban Forestry South

Urban Forestry South

Urban Forestry South (UFS) delivers quality urban natural resource science, technology, and information to improve the long term sustainability of urban ecosystems. UFS employees work closely with universities, state forestry agencies, state and local U&CF programs, Cooperative Extension Service, nonprofit organizations, schools, local natural resource agencies, and other Federal agencies. Primary partners for Urban Forestry South include the International Society of Arboriculture, the National Arbor Day Foundation, Southern Regional Extension Forester, and the Southern Group of State Foresters. In addition, UFS works collaboratively with other USDA FS U&CF centers in the mid-Atlantic, the Northeast, and the mid-West.

320 Green St., Athens, GA 30602-2044
<https://urbanforestrysouth.org/>
(706) 559-4236

Habitat for Humanity Bay-Waveland Area, Inc. (HFHBW)



HFHBW was formed in the wake of Hurricane Katrina in order to serve the low to moderate income residents of Hancock County, Mississippi. At that time, nearly three-quarters of Hancock County's housing stock and infrastructure was either destroyed or substantially damaged from that storm. Since beginning operations in early 2006, HFHBW has built over 140 homes utilizing building standards that exceed those existing prior to Katrina and HFHBW only builds in areas outside of the 100-year flood zone. Since January of 2009, HFHBW pledged its commitment to build green and since then, has completed 15 homes to the U.S. Green Building Council ("USGBC") LEED Certified or the National Association of Home Builders Green Certification level. In August of 2010, HFHBW was featured in SA Today for building the first home in Mississippi to the highest LEED certified level: Platinum. HFHBW is currently underway with a 42-unit Smart Growth inspired neighborhood in downtown Bay St. Louis, Mississippi where all units will meet or exceed silver certification standards through LEED or NAHB. At least 28 of these units will also be certified through Enterprise Community Partners Green Communities. The homes will be made available to qualified families making 120% of the Area Median Income or less. For individuals interested in learning the basics behind affordable green building, HFHBW's website provides an extensive "Rebuilding Greener" featuring a glossary of green building terms, descriptions of materials, illustrations of green homes with bullet-point features, useful links providing technical information and other related information. HFHBW hosts annual green building conferences for public officials, builders, code officers and non-profit organizations.

103 Central Avenue.
Bay Saint Louis, MS 39520
www.habitatbw.org
(228) 467-9699

Mississippi Development Authority (MDA) Asset Development Division



MDA created the Asset Development Group to focus on non-traditional economic development opportunities unique to Mississippi. Such

opportunities often require longer term development, guidance, vision and support than traditional projects or grants and are tailored to the current world we live in. Mississippi communities are diverse, great places to live, work, worship and raise families. Much of our uniqueness is derived from assets like cultural heritage, hospitality, unspoiled waterways, forests, natural resources, infrastructure and recreational choices. There are many different levels of asset mapping, dependent upon resources, time available, and ambitions of the community leadership team. Asset mapping promotes community involvement, awareness and empowerment. Our asset mapping program furnishes mapped communities with a comprehensive inventory of existing assets as seen through the eyes of a team of experienced economic developers. The team members have seen similar assets used in unique ways successfully in other communities and can share those insights in the mapping process. Mapped communities are given an asset inventory of assets they already have along with many suggestions and ideas on how those assets can be developed for economic development. The Asset Development Group continues to work with the mapped communities to develop a vision on what the community wishes to become in the next 10 to 20 years and help develop a plan to make that happen. Communities may request assistance with asset mapping by submitting a letter of request to their regional office. The Asset Development Group encourages the studied and balanced economic development of Mississippi's abundant resources while working in specific areas to conserve and preserve the natural habitat and beauty of our landscape. Economic development and responsible environmental stewardship work as complementary components in our vision of a healthy and prosperous Mississippi. The Asset Development Division is home to the State Mineral Leasing Program. MDA is responsible for leasing the state's minerals for oil and gas exploration and development. Mississippi is ranked number 12 among the oil producing states and number 20 in natural gas production. Oil and gas production is the state's biggest revenue source from our mineral resources. This program issues mineral leases and seismic permits for state owned lands and waters.

501 North West Street
Jackson, Mississippi 39201
<http://mississippi.org/>
601.359.3449 or 800.360.3323

Green Roofs for Healthy Cities - North America Inc.



This is a rapidly growing not-for-profit industry association working to promote the industry

throughout North America. Their mission is to increase the awareness of the economic, social and environmental benefits of green roofs and green walls and other forms of living architecture through education, advocacy, professional development and celebrations of excellence. Products & Services include: 1) Develops consensus on key training and accreditation requirements, and develops and delivers courses, such as Green Roof Design 101, which support their corporate members through product samples and descriptions in their course materials and participants manual. 2) Organizes CitiesAlive, an annual green roof and wall conference and trade show. The conference is co-hosted by the local city, which helps to develop supportive policies for market development. 3) Collects and publishes technical data on green roof and wall performance and project, policy, and industry developments in the Living Architecture Monitor™, their quarterly magazine. 4) Provides general information on green roofs and walls to the public through media relations and by visiting related trade shows, such as the ASLA Annual Meeting, Greenbuild and the AIA National Convention.

406 King Street East
Toronto, ON M5A 1L4, Canada
<http://greenroofs.org/>
416-971-4494

Literature Review of Urban Heat Island Mitigation Using Trees

The Urban Heat Island (UHI) is the excessive generation and/or retention of heat by the built environment. Variables contributing to a city's UHI include: increased surface area of buildings, decreased moisture and vegetation, greater heat capacities of urban building material, increased exhaust heat from structures and automobiles, and increased density of atmospheric pollutants. Health risks and utility usage are closely related during extreme heat, and this is particularly true for poor residents as they are less likely to afford air conditioning and poor communities tend to be characterized by inferior urban planning, decreased vegetation, and, therefore, higher summer temperatures. Methods to mitigate UHI's include the planting of shade trees, use of light-colored building materials, and increased green space. The addition of shade trees has been shown to reduce external wall temperatures by 17 °C (31 °F) while reducing air-conditioning costs by as much as 80%. Recent research suggests there are threshold percentages of vegetation that cause significant changes in urban surface temperatures. Analyses of three cities (Atlanta, GA; Birmingham, AL; Starkville, MS) show that 1-km grids with at least 10% of the surfaces vegetated are significantly cooler than those with less vegetation. More information will be offered on Mississippi Urban Forest Council's website once the research group secures funding.



<https://www.epa.gov/sites/production/files/2014-06/documents/treesandvegcompendium.pdf>
www.msurbanforest.com/

164 Trace Cove Drive
Madison, Mississippi 39110
(601) 672-0755
Email: dyowell@msurbanforest

Biohabitats



Biohabitats' mission is to restore the earth and inspire ecological stewardship. To inspire communities to rediscover a sense of place through; preserving indigenous ecosystems, restoring biological diversity and inspiring ecological stewardship.

Baltimore, Maryland (800) 220-0919

United States Green Building Council (USGBC)



The Washington, D.C. based U.S. Green Building Council (USGBC) is a 501 c3 non-profit organization committed to a prosperous and sustainable future for our nation through cost-efficient and energy-saving green buildings. USGBC is the source for LEED (Leadership in Energy and Environmental Design) and green building knowledge. With the most innovative and highest quality LEED and green building knowledge and training, a USGBC education helps green building professionals across all market sectors build the capacity to build their careers. For more information on E-learning, curriculum, education and training:

2101 L St NW, Ste 500
Washington, District of Columbia
<https://new.usgbc.org/>
(202) 828-7422
(800) 795-1747

Smart Growth Network

In 1996, the U.S. Environmental Protection Agency joined with several non-profit and government organizations to form the Smart Growth Network (SGN). The Network was formed in response to increasing



community concerns about the need for new ways to grow that boost the economy, protect the environment and enhance community vitality. The Network's partners include environmental groups, historic preservation organizations, professional organizations, developers, real estate interests; local and state government entities. The SGN works to encourage development that serves the economy, community and the environment. It is a forum for: Raising public awareness of how growth can improve community quality of life; Promoting smart growth best practices; Developing and sharing information, innovative policies, tools and ideas; Cultivating strategies to address barriers and to advance opportunities for smart growth. For more information and funding opportunities:

301 W Preston St, #1101, Baltimore, Maryland 21201
www.smartgrowth.org/ or (877) 767-6272
Email: michael.bayer1@maryland.gov

The Sustainable Sites Initiative SITES™



SITES is used by landscape architects, designers, engineers, planners, ecologists, architects, developers, policy-makers and others to align land development and management with Innovative sustainable design. Land is a crucial component of the built environment and can be planned, designed, developed and maintained to protect and enhance the benefits we derive from healthy functioning landscapes. SITES helps create ecologically resilient communities and benefits the environment, property owners, and local and regional communities and economies.

www.sustainablesites.org/ or 800-795-1746

Gaining Ground Sustainability Institute of Mississippi

The ideas on this website are their seeds in the ground.



Explore this site and discover their vision; if it enlivens you, join them in this adventure. This

institute can only grow and flourish in the nurturing hands of engaged citizens. Their goal is to provide opportunities for individuals, students, entrepreneurs, families and communities to learn, to experience first-hand and to find new ways in improving their lives through sustainable choices.

P.O. Box 1605, Starkville MS 39760
Email info@ggsim.org

Green Globe



Green Globe provides sustainability services and certification since 1993. To guarantee the highest international standard, Green Globe Certification adheres to ISO 19011 Guidelines for Auditing with independent auditors appointed to verify clients' certification on-site. The certification process

is offered in 5 languages: English, Spanish, French, German and Portuguese. Green Globe updates its certification criteria annually to ensure international compliance. In addition to providing customer service in key areas, Green Globe offers a strong marketing component, supporting certified businesses with marketing through worldwide channels.

5230 Pacific Concourse Drive, Suite 102
Los Angeles, California 90045 U.S.A., (310)337-3000
E-mail: mailto:wecare@greenglobe.com
www.greenglobe.com/

CERES



Ceres is a sustainability nonprofit organization working with the most influential investors and companies to build leadership and drive solutions

throughout the economy. Through powerful networks and advocacy, Ceres tackles the world's biggest sustainability challenges, including climate change, water scarcity and pollution, and inequitable workplaces. Our mission: Ceres is transforming the economy to build a sustainable future for people and the planet.

99 Chauncy Street, 6th Floor; Boston, MA 02111
(617) 247-0700 Email: info@ceres.org
<https://www.ceres.org/>

Division for Sustainable Development



The Division for Sustainable Development Goals (DSDG) in the United Nations Department of Economic and

Social Affairs (UNDESA) acts as the Secretariat for the SDGs, providing substantive support and capacity-building for the goals and their related thematic issues, including water, energy, climate, oceans, urbanization, transport, science and technology, the Global Sustainable Development Report (GSDR), partnerships and Small Island Developing States.

405 East 42nd Street, New York, NY 10017, USA

Email: dsd@un.org

<https://sustainabledevelopment.un.org/>

EPA Safer Choice

Safer Choice helps consumers, businesses, and purchasers find products that perform and are safer for human health and the



environment.

1200 Pennsylvania Ave NW

Washington, District of Columbia

<https://www.epa.gov/saferchoice>

(202) 272-0167

World Resources Institute

Our more than 1,000 experts and staff work closely with leaders to turn big ideas into action to sustain our natural resources—the foundation of economic opportunity and human well-being. Our work

focuses on seven critical issues at the intersection of environment and development: climate, energy, food, forests, water, cities and the ocean.

10 G Street, NE, Washington, District of Columbia

<https://www.wri.org/> - (202) 289-0161



Hilton Foundation

With a commitment to sustainable human development, we identify select priority program areas, establish clear goals, collaborate with our partners to create coherent strategies to achieve those goals, support effective implementation, and establish relevant indicators to gauge progress and inform improvement. We believe it is important to be transparent and accountable for what we do. We work with key established partners in the field and also pilot new solutions, understand unmet needs, advance knowledge in the field, and catalyze long term change. We support this work through our leadership, traditional grants, program-related investments, and our annual Hilton Humanitarian Prize. We look for innovative ways to leverage our funds. While the majority of these funds are directed toward achieving strategic goals, we do reserve some resources for discretionary and responsive grants.

1 Dole Drive, Westlake Village, CA 91362

<https://www.hiltonfoundation.org/> or (818) 851.3700



United States Business Council for Sustainable Development



The US BCSD is an action-oriented and member-led nonprofit business association, founded in 1992 to give leading US

businesses a platform to mobilize boots on the ground and work

together to design, implement and scale sustainability solutions. The US BCSD is a Global Network partner of the World Business Council for Sustainable Development.

411 W. Monroe Street, Austin, Texas 78704

<https://usbcsd.org/> or 512.981.5417

Email: info@usbcsd.org

Mississippi Sustainable Agriculture Network



The Mississippi Sustainable Agriculture Network (MSAN) supports financially sustainable farming practices that benefit our people and our land. MSAN provides: a forum where Mississippi farmers and food

consumers share ideas, tips, techniques, and information; and outreach, support and educational opportunities that promote sustainable farming and local food systems in Mississippi.

Mission: Make sustainable farming and local food production thriving enterprises in Mississippi.

Goals: MSAN has four primary goals, to ...

- *Create Forums for:*

- Policy Changes and Advocacy
- Technical Assistance and Idea Exchange
- Group Purchasing and Equipment Sharing

- *Create a Database of:*

- Members (farmers and consumers)
- Local agricultural know-how

- *Encourage Growth of the Sustainable Farming Community in Mississippi through ...*

- Workshops/Conferences/Forums/Events
 - Farm Tours/Demo Farms
 - Mentorship/Apprenticeship Programs
- *Connect Farmers with Markets and Consumers with Farmers*

MSAN Definition of Sustainable Farming: Sustainable farming meets environmental, human health, economic, and social objectives simultaneously. It promotes ... The health of farmers, consumers and their communities; Stewardship of the environment and non-renewable resources; and Long term financial viability.

PO Box 447, Oxford, MS 38655

662-452-0942

Email: info@mssagnet.net

Southern Sustainable Agriculture Working Group

The Southern Sustainable Agriculture Working Group, commonly known as Southern SAWG, was founded in 1991 to foster a movement towards a more sustainable farming and food system—one that is ecologically sound, economically viable, socially just and humane.



We function as a regional entity, working with and through hundreds of associated organizations across 13 southern states. By building partnerships, sharing information and conducting analysis, we transform isolated ideas and innovations into practical tools and approaches for widespread use. Southern SAWG focuses attention on issues and differing perspectives around food production, marketing, and distribution, and brings sustainable solutions to farmers, families and communities in the southern U.S. We have provided education and outreach to more than 10,000 farmers and food advocates in our 25+ year history. Our conference is hailed as the South's leading sustainable and organic agriculture event, bringing together over 1,200 people annually for peer learning, networking and cross-pollination of ideas. The vision of Southern SAWG is a world in which everyone has access to wholesome food from a just, sustainable farming and food system that supports good environmental stewardship and quality of life for all. Southern SAWG operates in 13 states in the South: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. Southern SAWG
 PO Box 1552, Fayetteville, AR 72702
<https://www.ssawg.org/>
 479.251.8310
Info@ssawg.org

THE NCAT MISSION



The National Center for Appropriate Technology (NCAT) has been promoting sustainable living for over 40 years.

Established in 1976, we are a national non-profit that helps people by championing small-scale, local, and sustainable solutions to reduce poverty, promote healthy communities, and protect natural resources. NCAT was originally created during the oil crisis of the 1970s to develop inexpensive energy-saving strategies for low-income communities. In 1987, as a natural outgrowth of our alternative and sustainable energy work for farmers and ranchers, we expanded our mission to include sustainable agriculture. Every day, we help individuals find solutions to ensure our children and grandchildren inherit a world with cleaner air and water, efficient and renewable energy production, and healthy foods grown with sustainable techniques. We have a well-deserved national reputation for providing research-based technical assistance and information in the fields of sustainable agriculture, sustainable energy, and community development. In recent years, our agriculture work has also focused on small-scale intensive farming, urban farming, and local foods; assistance to small farmers, beginner and new farmers, socially disadvantaged farmers, and veterans wishing to become farmers.

510 George Street, Suite 212
 Jackson, MS 39202
<https://www.ncat.org/>, Email: rockw@ncat.org
 866-643-2767

Transportation

Rails to Trails Conservancy (RTC)

This non-profit organization seeks to enrich America's communities and countryside by creating a nationwide network of public trails from former rail lines and connecting corridors. With more than 2,000 rail-trails and more than 32,000 miles of multiuse trails on the ground nationwide, RTC's focus is on linking these corridors—creating trail networks that connect people and places and transforming communities all across the country. RTC offers a resource library and a Trail Building Toolbox that provides the basics for creating a rail-trail for your community. For more information: www.railstotrails.org or https://www.facebook.com/railstotrails/?tn-str=k*F (202) 331-9696

Mississippi Department of Transportation (MDOT)

The MS Dept of Transportation is responsible for providing a safe intermodal network that is planned, designed, constructed and maintained in an effective, cost efficient, and environmentally sensitive manner. For information on services, programs, visit <https://mdot.ms.gov/> or <https://www.facebook.com/MississippiDOT> or call 1-866-521-MDOT.



Transportation Security Administration

TSA protects the Nation's transportation systems to ensure freedom of movement for people and commerce. The TSA has 50,000 security officers, inspectors, directors, air marshals and managers who protect the nation's transportation systems so you and your family can travel safely. TSA has checkpoints in airports, inspect rail cars, patrol subways with their law enforcement partners and they work to make all modes of transportation safe. For more information on their Law Enforcement, Security and Security Screening Programs visit: www.tsa.gov or <https://www.facebook.com/TSA/> or call (866) 289-9673.



Adopt A Highway Program

Adopt a highway is a MDOT litter prevention program. Citizens/organization can adopt a section of a state-maintained highway and make a commitment to keeping it clean and litter free. Interested groups must first complete an application for highway adoption. For more information, visit <https://litter.mdot.ms.gov/adopt-highway-program/>.



Open Streets Project



The Open Streets Project is part advocacy project, part toolkit, part information database. It's a one-stop shop for all things open streets related. Our team can offer aid and

guidance to organizations and cities founding or growing their open streets programs. We believe that every municipality, no matter the size, can benefit from open streets. Open Streets programs knit communities together with biking and walking as the centerpieces, while creating excitement around active transportation. They offer a way to support local business, provide a space for safe and accessible exercise and a chance for community members to experience their city in a new and unique way. For more information visit, <https://openstreetsproject.org/> or <https://www.facebook.com/OpenStreetsProject/>.

Bike Walk Mississippi

Bike Walk Mississippi serves as the STATEWIDE bicycle and pedestrian nonprofit advocacy group in Mississippi. Bike Walk Mississippi works on behalf of pedestrians and bicyclists to advocate for increased programs, policies and infrastructure that support a bike-able, walkable and more livable Mississippi. The nonprofit's



website provides resources and tools necessary for advocates, municipal leaders, engineers, etc. For more info: www.bikewalkmississippi.org or www.facebook.com/bikewalkms.

Volunteer Programs

Mississippi Food Network (MFN)

The Mississippi Food Network is a 501c3 and the only food bank in Mississippi. MFN's vision is to eliminate poverty-related hunger in our service area. MFN has been feeding Mississippians since 1984. MFN offers nutrition education, after school snack programs, and emergency food programs. MFN distributes more than 1.5 million pounds of food and feeds more than 150,000 every month — or a total of 1.8 million people per year. MFN takes donations from multiple sources, and distributes food and through 430 member agencies and distribute to recipients in their own communities. To volunteer with Mississippi Food Network, individuals must first complete a volunteer application at <https://www.msfoodnet.org/get-involved/>.

For more information: <https://www.msfoodnet.org/> or (601) 353-7286.



AmeriCorps



AmeriCorps engages more than 80,000 Americans in intensive service each year at nonprofits, schools, public agencies, and community and faith-based groups across the country. Since the program's founding in 1994, more than 800,000 AmeriCorps members have contributed more than 1 billion hours in service across America while tackling pressing problems and mobilizing millions of volunteers for the organizations they serve.

<https://www.nationalservice.gov/programs/ameri-corps>

Volunteer Mississippi

Volunteer Mississippi's mission is to engage and support Mississippians of all ages and backgrounds in service to their communities.



Established in 1994 as the Mississippi Commission for Volunteer Service (MCVS), Volunteer Mississippi has worked to encourage a culture of citizenship, service and responsibility to America. The bulk of our programs support and enhance Pre-K and K-12 education initiatives throughout the state, teaching students vital skills they will carry with them throughout their lives. For more info, visit <https://www.volunteermisissippi.ms.gov/> or call 601-432-6779

Boys and Girls Club of MS



The Boys and Girls Club of MS provides many services to the youth within our community.

Most programs fall within our Five Core Areas of Youth Development which are: Education & Career Development, Character & Leadership, Health & Life Skills, The Arts, Sports, Fitness, & Recreation. Volunteers are always needed. For more info, visit <http://www.bgccm.org/> or call 601-969-7088.

Community Animal Rescue and Adoption

Community Animal Rescue & Adoption, Inc. (CARA) is a No-Kill Shelter located in Jackson, MS. It is operated by volunteers, volunteer board members, and part-time shelter employees. The Shelter always needs volunteers to help with fundraising, picking up donated items, transporting pets, bathing and grooming, socializing the animals, cleaning kennels, etc. For more info, visit <https://carams.org/> or call 601-922-7575 or email: cara@carams.org.



Pearl RiverKeeper

Pearl RiverKeeper is a citizen-based, non-profit dedicated to improving the Pearl River watershed through restoration, advocacy and education. The organization has many programs including a bacteriological monitoring program, water ranger citizen scientists, and Clean Sweep team which is a yearly river cleanup event that covers the entire Pearl River Basin. The Pearl River Clean Sweep unites our communities behind the common goals of protecting our natural resource and making clean water a priority. For more information, visit <https://www.pearlriverkeeper.com/> or <https://www.facebook.com/pearlriverkeeper/>.



Water Quality and Flooding

The Low Impact Development Center is a non-profit organization dedicated to the advancement of Low Impact Development technology. Low Impact Development is a new, comprehensive land planning and engineering design approach with a goal of maintaining and enhancing the pre-development hydrologic regime of urban and developing watersheds. For more information: www.lowimpactdevelopment.org/ or (301) 982-5559.



Low Impact
Development
Center

organization dedicated to the advancement of Low Impact Development technology. Low Impact Development is a new,

comprehensive land planning and engineering design approach with a goal of maintaining and enhancing the pre-development hydrologic regime of urban and developing watersheds. For more information:

www.lowimpactdevelopment.org/ or (301) 982-5559.

The Board of Levee Commissioners for the Yazoo-Mississippi Delta is charged with the responsibility to erect, maintain, and operate a system of levees to protect the people and property of the Delta from damages of high waters of the Mississippi River; to direct the necessary activities attendant to the threat of high water and flood damages from interior rivers and streams; and to furnish the local cooperation required for certain flood control and drainage projects of the U.S. Army Corps of Engineers.

Gulf Restoration Network/Healthy Gulf

This non-profit organization has a variety of water quality workshops to educate communities on what water quality standards the state uses to determine whether local waters are polluted: how to find out the status of your local

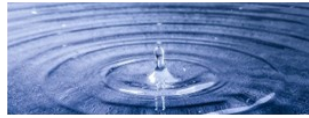


quality standards the state uses to determine whether local waters are polluted: how to find out the status of your local

waters and help make sure they get the cleanup they deserve; the state's development and implementation of plans to clean up polluted waters including ideas on how to help get waters restored; the status of the state's efforts to assess existing and potential threats to public water supplies and how to make sure that community drinking water sources are protected from pollution. Wetlands workshops teach communities about the permitting process and how to work to stop or modify projects that destroy local wetlands, including tools to help prevent permitting from undermining restoration efforts. There are also many volunteer opportunities. For more information: info@healthygulf.org

P.O. Box 2245
New Orleans, LA 70176
Phone: (504) 525-1528
Fax: (504) 525-0833

Mississippi Water Resources Association



A coalition of public and private corporations that oversees the management and development of Mississippi's water resources including its ports, harbors,

lakes, river systems and flood control, waterways and water supply and all other beneficial uses of water resources. Water issues are becoming increasingly important to the general public and our organization is made up of members who are committed to meeting the water needs of our citizens, while providing international economic opportunities utilizing our state's abundant water resources. They offer public seminars on water resources, management, port utilization, economic analysis, strategic water planning and management. For more information: Emily Pote

P.O. Box 4200
Jackson, MS 39296

www.mswater.org

Ph: (601)506-6107 or (888) 260-6972

Fax: (601) 292-7227

E-mail: emily@mswater.org

American Water Works Association

The American Water Works Association is an international, nonprofit, scientific and educational society dedicated to



American Water Works
Association

Dedicated to the World's Most Important Resource®

providing total water solutions assuring the effective management of water. Founded in 1881,

the Association is the largest organization of water supply professionals in the world. Our membership includes over 4,300 utilities that supply roughly 80 percent of the nation's drinking water and treat almost half of the nation's wastewater. Our 51,000 total members represent the full spectrum of the water community: public water and wastewater systems, environmental advocates, scientists, academicians, and others who hold a genuine interest in water, our most important resource. AWWA also takes great pride in helping establish two preeminent organizations dedicated to safe water, the Water Research Foundation in 1966 and Water for People in 1991. AWWA unites the diverse water community to advance public health, safety, the economy, and the environment. Their website offers tips, information, and training for officials and citizens on drinking water and water conservation. For more information:

AWWA Headquarters

6666 W. Quincy Ave.

Denver, CO 80235 USA

<https://www.awwa.org/>

Phone: 303.794.7711 or 800.926.7337

Fax: 303.347.0804

Mississippi Rural Water Association



Mississippi Rural Water Association is the state's largest water and wastewater utility membership

organization. Their office is located in Raymond, just a few miles west of Jackson. This organization provides training sessions held at various locations throughout the state for operators, managers, bookkeepers and decision makers. Continuing Education Unit (CEU) credits can be earned through these sessions. Credits can also be earned through our Operator Expos and State & National Technical Conferences. For more information:

5400 North Midway, Raymond, MS 39154

www.msrrwa.org

Phone: 601-857-2433

Toll Free: 800-343-2520

Fax: 601-857-2434

Email: msrrwa@msrrwa.org

Watershed Management Group



Watershed Management Group (WMG) develops community-based solutions to ensure the long-term prosperity of

people and health of the environment. WMG provides people with the knowledge, skills and resources for sustainable livelihoods. WMG offers an adaptive, collaborative approach to developing sustainable solutions wherever we may work. WMG works with local communities to identify and prioritize resource needs, foster individual and community investment, develop practical solutions and enable action by offering a variety of technical and social services. For more information:

1137 N Dodge Blvd, Tucson, AZ 85716

www.watershedmg.org or (520) 396-3266

Mississippi Department of Environmental Quality -



Adopt-a-Stream

Adopt-A-Stream Mississippi is a cooperative effort between the

Mississippi Wildlife Federation and the Mississippi Department of Environmental Quality (MDEQ) to involve citizens, like you, in stream stewardship and water quality monitoring. The common theme of the Adopt-A-Stream program is caring for and learning to conserve our water resources. Adopt-A-Stream promotes environmental stewardship through training workshops, outdoor field activities and by introducing participants to watershed action projects. Mississippi is fortunate to have abundant water resources. Streams, lakes and marshes provide a home for aquatic life and help maintain the sensitive balance of nature.

Mississippi's waters are excellent resources for fishing, swimming, and canoeing. Rivers are a vital source for drinking water, agriculture, and industry. The quality of that water affects all of these uses. Everyone needs to play his part in protecting these resources for the future. You can get involved by simply contacting The Mississippi Wildlife Federation and expressing an

interest in the program and becoming a Stream Steward!

517 Cobblestone Court, Suite 2

Madison, MS 39110-7570

www.mswildlife.org/AAS

601-605-1790

Mississippi Department of Health/Drinking Water



Mississippi State Department of Health

Public health protection takes a wide variety of forms, from ensuring the safety of your food and water to setting standards for health and care facilities. Mississippi's State Board of Health was established in 1877 to protect and advance health

throughout Mississippi, and became the Mississippi State Department of Health in

1982. Among its many functions in the public, the agency is also responsible for environmental protection such as drinking water testing, restaurant permits and inspections, and on-site wastewater and sewage system regulation. The Safe Drinking Water Act (SDWA) Amendments of 1996 authorize a Drinking Water State Revolving Fund to assist public water systems to finance the costs of infrastructure needed to achieve or maintain compliance with SDWA requirements and to protect public health objectives of the Act. In addition to authorizing the infrastructure fund, the SDWA Amendments also establish a strong new emphasis on preventing contamination problems through source water protection and enhanced water systems management. That emphasis transforms the previous law from a largely after-the-fact regulatory oriented program into a statute that can provide for the sustainable use of water. The DWSRF (Drinking Water State Revolving Fund) program will help ensure that the nation's drinking water supplies remain safe and affordable, that drinking water systems that receive funding will be properly operated and maintained, and that permanent institutions will exist in each state to provide financial support for drinking water needs for many years to come. Congress has placed particular emphasis on assisting smaller drinking water systems under the DWSRF, to ensure that these systems have adequate technical, managerial and financial resources to come into or maintain compliance and provide safe water. For information on low interest Emergency Loan program or the Improvements Revolving Loan Fund program contact: Northern Region, Dr. Crystal L. Tate (662) 841-9015 Central Region, Dr. Robert H. Curry (601) 981-2304 Southern Region, Dr. Christy Barnett (228) 436-6770 www.healthymys.com

Mississippi Department of Transportation (MDOT)

MDOT has established a Stormwater Management Plan to protect and improve water quality while fulfilling MDOT's mission of providing and supporting a safe and integrated transportation system that enhances the state. Storm-



water is rainfall or melted snow that runs off impervious surfaces, such as rooftops, streets, sidewalks and parking lots. Impervious, or hard, surfaces prevent the stormwater from naturally soaking into the ground where the soil would filter out pollutants. As it flows, stormwater picks up pollutants from these surfaces.

Common pollutants include vehicle exhaust products, brake and tire dust, oil and grease, sediment, salt, fertilizers and pesticides, pet waste and litter. Due to the fact that stormwater is untreated, these pollutants enter our waterways. For more information:
 401 North West Street, Jackson, MS 39201
www.gomdot.com
 Telephone: 601-359-7001
 Fax: 601-359-7834

The Low Impact Development Center

The Low Impact Development Center is a non-profit organization dedicated to the advancement of Low Impact Development technology. Low Impact



Low Impact
Development
Center

Development is a new, comprehensive land planning and engineering design approach with a goal of maintaining and enhancing the pre-development hydrologic regime of urban and developing watersheds. For more information: www.lowimpactdevelopment.org or (301) 982-5559.

Watersheds and Water Quality Research Lab

The Watersheds and Water Quality Research Lab of the Civil and Environmental Engineering Department at Mississippi State University's program is focused on:

- Surface and Subsurface Hydrology
- Soil and Water Quality Monitoring
- Nonpoint Source Pollution



Assessment and Control

- Soil and Fluvial Erosion and Sediment Transport Processes
- Streams and Watershed Management and Restoration
- Channel and Watershed Modeling
- Eco-Hydraulic and Water Quality Modeling
- Environmental Software Development
- Sensitivity and Uncertainty Assessment of Environmental Models

They use a combination of lab and field scale, and computational modeling studies to examine and evaluate:

- Responses and interactions among agricultural, hydrological (surface and groundwater), and human systems
- Effects of natural and anthropogenic drivers (climate variability and change, watershed land use change, agricultural production, soil and nutrient loading) on environmental systems and natural resources
- Hydrological, watershed & channel evolution models to support hypothesis testing and the conservation, management, and restoration of natural resources
- Uncertainty and sensitivity analysis of hydrological, watershed and channel evolution modeling systems

Currently located at the Catalpa Creek Watershed. Research efforts are supporting hydrologic, hydraulic and ecological assessments of the watershed targeting the implementation of a Water Resources Management Plan for watershed sustainability recently evaluated and approved by MDEQ and EPA. Management practices have been identified to address the agricultural resource

concerns related for the watershed (e.g. sedimentation, grazing lands, sustainable forestry, and declining wildlife habitats), and the need for sustainable urban storm water management in the headwaters of the drainage area. Analyses and designs are being considered to restore the structure and function of Catalpa Creek and to mitigate downstream storm water impacts.

John J. Ramirez-Avila, Ph.D., Ing., M. ASCE
 Assistant Professor, Civil & Environmental Engineering
 Box 9546
 Mississippi State, MS 39762
 P: (662) 325-3050
 F: (662) 325-7189
<https://www.cee.msstate.edu/wwqrl/>

National Oceanic and Atmospheric Administration

NOAA is an agency that enriches life through science. Our reach goes from the surface of the sun to the depths of the ocean floor as we work to keep the public informed of the changing environment around them. From daily weather forecasts, severe storm warnings, and climate monitoring to fisheries management,



coastal restoration and supporting marine commerce, NOAA's products and services support economic vitality and affect more than one-third of America's gross domestic product. NOAA's dedicated scientists use cutting-edge research and high-tech instrumentation to provide citizens, planners, emergency managers and other decision makers with reliable information they need when they need it.

1401 Constitution Avenue NW, Room 5128
 Washington, DC 20230
 NWS Customer Service Line: (301)-427-9855
<https://www.noaa.gov>

World Resources Institute

WRI's mission is to move human society to live in ways that protect Earth's environment and its capacity to provide for the needs and aspirations of current and future



WORLD
RESOURCES
INSTITUTE

generations. They focus on seven urgent global challenges that must be addressed to reduce poverty, grow economies and protect natural systems:

- Climate: Protect communities and natural ecosystems from damage caused by greenhouse gas emissions, and generate opportunities for people by catalyzing a global transition to a low-carbon economy.
- Energy: Drive the scale-up of clean, affordable power systems throughout the world to deliver sustainable socio-economic development.
- Food: Ensure the world's food systems reduce their impact on the environment, drive economic opportunity, and sustainably feed 9.6 billion people by 2050.
- Forests: Alleviate poverty, enhance food security, conserve biodiversity, and mitigate climate change by reducing forest loss and restoring productivity to degraded, deforested lands.

- Water: Achieve a water-secure future by mapping, measuring, and mitigating global water risks.
- Sustainable Cities: Improve quality of life in cities by developing and scaling environmentally, socially, and economically sustainable urban and transport solutions.
- The Ocean: We are charting the path for a New Ocean Economy that is good for jobs, economic growth and human health -- while protecting and restoring the ocean.

WRI works with businesses, governments, and civil society to ensure a water-secure future. We seek to address both water quantity and quality challenges. Their Aqueduct project uses the most up-to-date data to produce global water risk maps, allowing stakeholders to assess current and future challenges. We conduct economic and other analyses to identify the most cost-effective strategies to reduce water pollution. And we identify solutions such as restoring ecosystem services to alleviate stresses on the world's water supplies.

10 G Street, NE Suite 800
Washington, DC 20002 United States
<https://www.wri.org>

Wildlife

Mississippi Department of Wildlife & Fisheries (MDWF)



This state agency provides services and resources for fishing and boating, parks and destination, wildlife and hunting, wildlife law enforcement and license. For more information: <http://home.mdwfp.com/> or (601) 432-2400.

Wildlife Habitat Council

This organization provides information on establishing habitat areas around retirement communities, office buildings and industrial parks. For more information: <http://joomla.wildlife.org/> or (301) 897-9770.

Wildlife Conservation Society

Ensure a future for the earth's most magnificent creatures and the habitats critical to their survival. The United States harbors a great diversity of landscapes, from polar ice to semi-tropical jungles, from wind-blown prairies to temperate rainforests, from alpine peaks to deserts and coral reefs. Its habitats include some of the most fertile on Earth, such as the Mississippi River bottomlands, as well as some of the most sterile—the western salt flats. Magnificent and diverse wildlife still flourish in many parts of this country, including bald eagle, moose, musk ox, caribou, elk, wolverine, bison, grizzly bear, mountain lion, polar bear and wolf. Thousands of species of fish, amphibians, reptiles, and birds also live here. The United States has a rich history of conservation innovation. In 1872, the very concept of national parks was established in the U.S. with the creation of Yellowstone, the crown jewel of parks. This was followed in 1932 by the first International Peace Park, Glacier-Waterton National Park

along the border with Canada. Though the country's wild places are protected through a vast system of public lands, ranging from national parks and wilderness areas to fish and wildlife refuges and state lands, some management activities on the public lands present major conservation challenges. Often, more productive private lands are an important part of long-term conservation success. To find out how you can help: www.wcs.org/where-we-work/north-america/united-states.aspx or (718) 220-5100.

Mississippi Wildlife Rehabilitation, Inc. (MWR)



MWR is State and Federally licensed by the MS. Dept. of Wildlife, Fisheries and Parks (MDWFP) and the United States Fish and Wildlife Service (USFWS). Mississippi Wildlife Rehabilitation, Inc. was formed in 1995 to meet the

increasing need for wildlife assistance. Each year, hundreds of injured and orphaned wild birds and mammals are received by MWR, Inc. licensed rehabilitators. The techniques used to care for these animals maximize their chances for survival when they are released to their natural habitat. The Director, Valery Smith, has over thirty years' experience in wildlife rehabilitation. Mississippi Wildlife Rehabilitation, Inc. relies on volunteers and tax-deductible donations to continue the vital work of preserving our local wildlife. Last year the center admitted over 600 orphaned and injured native species of wildlife into care. Your support makes this happen! For more information: www.mswildliferehab.org/ or (662) 429-5105.

National Wild Turkey Federation (NWTf)

The National Wild Turkey Federation is the leader in



upland wildlife habitat conservation in North America. The NWTf is a nonprofit organization dedicated to conserving the

wild turkey and preserving our hunting heritage. Through dynamic partnerships with state, federal and provincial wildlife agencies, the NWTf and its members have helped restore wild turkey populations throughout North America, spending more than \$331 million to conserve nearly 16 million acres of habitat. Wild turkeys and hundreds of other species of upland wildlife, including quail, deer, grouse, pheasant and songbirds, benefit from this improved habitat. The NWTf also brings new conservationists and hunters into the fold through outdoor education events and its Women in the Outdoors, Wheelin' Sportsmen, JAKES and Xtreme JAKES youth outreach programs. Our dedicated NWTf volunteers introduce about 100,000 people to the outdoors through these programs every year. Founded in 1973, the NWTf is headquartered in Edgefield, S.C. and has local chapters in every state and Canada. According to many state and federal agencies, the restoration of the wild turkey is arguably the greatest conservation success story in North America's wildlife history. For more information: www.nwtf.org/ or (800) 843-6983.

Foundation for Mississippi Wildlife, Fisheries and Parks



FOUNDATION FOR MISSISSIPPI
WILDLIFE, FISHERIES, & PARKS

The mission of the Mississippi Wildlife Fisheries and Parks Foundation is to augment the state's efforts to

ensure the conservation and enhancement of our fish and wildlife resources so they survive and thrive for current and future generations. The Foundation is the only outdoor organization that directly supports the MDWFP, which has the primary responsibility for hunting, fishing, shooting sports and conservation in the state. Through the Foundation's financial support, various wildlife and educational projects associated with the MDWFP are made possible. We also help fund many additional programs not directly associated with the MDWFP whose goal is to preserve and protect the natural resources of the state.

<https://foundationmwfp.com>

Don Brazil, CEO, MWFP Foundation
769-243-7291

Wildlife Mississippi



Wildlife Mississippi measures success by the number of acres of habitat they protect, restore or enhance and by the number of miles of streams they improve. A healthy environment makes good economic sense for Mississippi and the nation. To achieve

the best results, Wildlife Mississippi focuses on four key areas:

- Habitat Conservation. They protect, restore and enhance fish and wildlife habitat directly through a variety of projects on private and public lands.
- Conservation Policy. They promote effective conservation policies, mainly by working with elected officials and agencies to secure conservation incentives for landowners, robust wetlands mitigation programs and funding for public lands.
- Conservation Education. They educate Mississippians about effective conservation practices they can employ on their lands, through our quarterly magazine, a variety of landowner handbooks, workshops and other means.
- Outdoor Recreation. They help provide quality outdoor recreation experiences, by supporting the creation and expansion of national wildlife refuges and other public lands and by creating or enhancing public-use facilities such as boat ramps, boardwalks and community lakes.

Staff works throughout the state, from the Buttahatchie River in northeastern Mississippi, to the Delta, to the Blackland Prairie, to the coast and beyond.

<https://www.wildlifemiss.org>

Main/Delta Office
P.O. Box 10
Stoneville, Mississippi 38776
662) 686-3375

Northeast Mississippi Office
P.O. Box 187 Amory, Mississippi 38821
(662) 256-4486

South Mississippi Office
P.O. Box 16537 Hattiesburg, Mississippi 39404
(601) 264-6010

Mississippi Gulf Coast Office
P.O. Box 1374 Biloxi, Mississippi 39533
(228) 990-0559

Longleaf Alliance



The mission of The Longleaf Alliance is to ensure a sustainable future for the longleaf pine ecosystem through partnerships, landowner assistance and science-based education and outreach.

<https://www.longleafalliance.org>

Mississippi Chapter of the Wildlife Society

Chartered in 1973, the Mississippi Chapter of The Wildlife



Society is comprised of wildlife professionals and students. Our goal is that of The Wildlife Society

founded in 1937 of promoting excellence in wildlife stewardship through science and education. Mississippi is an excellent place for wildlife with habitats ranging from bottomland hardwood to upland pine, pitcher plant bogs to coastal marshes. Conservation and management of these habitats in addition to private land holdings involve multiple groups such as our state agency (Mississippi Department of Wildlife, Fisheries, and Parks) and federal agencies including the U.S. Fish and Wildlife Service, USDA APHIS Wildlife Services, and Natural Resources Conservation Service. Their efforts have helped build the foundation for wonderful hunting and fishing opportunities throughout the state. Despite the acreage in our Wildlife Management Areas, National Wildlife Refuges, and public places, nearly 80% of Mississippi is privately owned. Hunters, private corporations, land owners, and wildlife enthusiasts are among the many who support wildlife conservation efforts across the state. Our state and federal agencies, universities, and wildlife biologists are all determined to keep Mississippi beautiful and our wildlife bountiful.

Our chapter is dedicated to continuing wildlife stewardship through science and education with a collaborative effort among members and nonmembers. For information:

<https://wildlife.org/mississippi>.

President, Leslie Burger, Ph.D., AWB®
Thompson Hall, Rm 259
Department of Wildlife, Fisheries and Aquaculture
Box 9690
Mississippi State, MS 39762-9690
Email: leslie.burger@msstate.edu
Phone: 662-325-6686

Past-President, Adam T. Rohnke, Ph.D., CWB®
1320 Seven Springs Rd.
Raymond, MS 39154
Email: adam.rohnke@msstate.edu
Phone: 601-857-2284

Section Representative, Kristine Evans, Ph. D.
Thompson Hall, 265
Department of Wildlife, Fisheries and Aquaculture
Box 9690
Mississippi State, MS 39762-9690
Email: kristine.evans@msstate.edu
Phone: 662-325-3167

Mississippi Wildlife Heritage Museum



The Mississippi Wildlife Heritage Museum celebrates the history, heritage and traditions of hunters, fishers and outdoor lovers. The museum houses two and three-dimensional exhibits, images, written narratives, and audiovisuals that tell the history of hunters, fishers, and the great outdoors. The different exhibits feature deer, alligator, bear, rabbit, raccoon, fish, quail, fox hunting, duck call makers, turkey call makers, history of bow hunting and more. Some of the memorabilia and artifacts date back to days before recorded history while others are familiar to most Mississippi residents. The museum is located at 302 North Broad Street in Leland, MS and if you have items you would like to bring by, call Billy Johnson, President at (662) 686-7789.

<https://www.mswildlifeheritagemuseum.com>

The Grand Bay National Estuarine Research Reserve (NERR)

The Grand Bay National Estuarine Research Reserve (NERR) was established in 1999 and is managed by the Mississippi Department of Marine Resources as part of the National Oceanic and Atmospheric Administration's National Estuarine Research



Reserve System. The Grand Bay NERR is comprised of approximately 18,000 acres and contains pine savannas, salt marshes, salt pannes, bays and bayous as well as terrestrial habitats that are unique to the coastal zone. Admission to the Grand Bay Coastal Resources Center is free. The interpretive visitor center is open to the public Monday-Friday from 9:00am to 3:00pm.

Ayesha Gray - Director

Ayesha.Gray@dmr.ms.gov

Grand Bay National Estuarine Research Reserve
6005 Bayou Heron Road
Moss Point, MS 39562
Office: 228.475.7047
Fax: 228.475.8097

Mississippi Cooperative Fish & Wildlife Research Unit

The Cooperative Research Unit program was established in 1935 to enhance graduate education in fisheries and wildlife sciences and to facilitate research between natural resource agencies and universities on topics of mutual concern. Today, there are 40 Cooperative Research Units in 38 states. Each unit is a partnership among the U.S. Geological Survey, a State natural resource agency, a host university, and the Wildlife Management Institute. Staffed by U.S. Geological Federal personnel, Cooperative Research Units conduct research on renewable natural resource questions, participate in the education of graduate students, provide technical assistance and consultation on natural resource issues, and provide continuing education for natural resource professionals. Mississippi is home to oxbow lakes, abundant fisheries and wildlife resources, and enthusiastic recreationists. The Cooperative Fish and wildlife Unit was formed to conduct a research program to specifically address problems of state, regional and national importance regarding aquatic and terrestrial riparian ecosystems in Mississippi and adjacent states.

One of these ecosystems is bottomland hardwoods. Bottomland hardwood ecosystems are being subjected to tremendous stress, primarily through agricultural development, including timber and range uses, navigational and flood control, urbanization, and highway developments, with consequent impact on fish and wildlife resources.

USGS faculty and graduate students conduct a wide range of applied and basic research projects designed to improve or at least avoid, minimize or mitigate fish and wildlife losses resulting from natural resource development and associated human population increases. This research program has successfully trained hundreds of students who are now leaders in the wildlife and fisheries natural resource fields. Please explore our pages and find out more about the research, students, and discoveries we are making to keep Mississippi's wildlife and fisheries resources plentiful for future generations.

<https://www.coopunits.org/Mississippi>

Central Mississippi Wildlife Rehabilitation



Central MS Wildlife Rehab is located in Lauderdale County and takes in wildlife from all counties located in Central Mississippi including Kemper, Noxubee, Lowndes, Winston, Choctaw, Neshoba, Clarke, Newton, Attala, Leake, Scott, Holmes, Yazoo, Warren, Hinds, Madison, Rankin, Simpson, Smith, Jasper, Wayne, and Jones.

Central Mississippi Wildlife Rehabilitation, Inc is a 501 (c) (3), all volunteer, not-for-profit organization dedicated to the emergency and long term care of wildlife native to the state of Mississippi. CMWR was formed to meet the increasing need of wildlife assistance in Central Mississippi. CMWR, Inc. volunteers admit and care for hundreds of wildlife animals each year with the goal of successfully releasing each animal back into the wild. **MISSION:** To successfully nurture, rehabilitate and release injured or orphaned indigenous wildlife to their natural habitats; Educate the local community in environmental, conservation, and habitat destruction issues;

Provide information and assistance to the public.

<https://www.centralmswildliferehab.org>

8520 Skipper Road, Meridian, MS 39305
Phone: 601-917-4788
Email: centralmswildliferehab@gmail.com

Catch A Dream Foundation



Catch-A-Dream is a national, charitable, non-profit 501(c)(3) foundation, that provides once-in-a-lifetime dream

hunting and fishing trips to children across the United States and Canada, age 18 and younger, who suffer from life-threatening illnesses. Catch-A-Dream's singular purpose is to provide consumptive use outdoor experiences to fill the "gap" created when the Make-A-Wish Foundation established national policy that precludes granting a child a wish that involves hunting or use of "...firearms, hunting bows, or other hunting or sport-shooting equipment". Through these adventures, and exposure to outdoors-minded people who care, the program instills in these children a message of encouragement at a time when they need to know that hope does, indeed, exist.

2485 Ennis Rd., Starkville, MS 39759
Phone: (662) 324-5700 | Fax: (662) 324-5699

Workforce training

Mississippi State University



The Research and Curriculum Unit offers online courses and professional development training. Additional resources are available for loan. The Division of Academic Outreach and Continuing

Education offers online professional development classes through Ed2Go. Multiple courses are offered in the Skilled Trades and Industrial section.

Mississippi State University, Mississippi State, MS 39762
<https://www.msstate.edu/> or (662) 325-2323

University of Mississippi

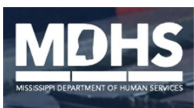
The Center for Manufacturing Excellence provides manufacturing education through the mechanical



engineering program, professional development courses, and is involved with industry-led research.

P.O. Box 1848, University, MS 38677
<https://olemiss.edu/> or (662) 915-7211

Mississippi Department of Human Services (MDHS) Workforce Development



The Mississippi Department of Human Services (MDHS), Division of Workforce Development (DWD), partners with state agencies and community-based organizations

(CBOs) across the State to provide employer-driven, career-technical education, workforce skills training, and wrap-around services to help eligible SNAP recipients be successful in today's job market. Career navigators are available to help with those unexpected twists and turns that block the road to success.

200 South Lamar St, Jackson, MS 39201
<https://www.mdhs.ms.gov/> or (601) 359-4500

Mississippi Development Authority



Mississippi Works connects employees with the right employers. The goal of this program is to ensure every Mississippian has a job and great

businesses can find quality talent, resources and a solid infrastructure on which to build a successful future.

501 North West Street, Jackson, Mississippi 39201

<https://www.mississippi.org/home-page/our-advantages/workforce-main/>

(601)359-3449 or (800)360-3323

Mississippi's Workforce Investment Network (WIN) Job Centers

Mississippi's Workforce Investment Network (WIN) Job



MISSISSIPPI DEPARTMENT OF EMPLOYMENT SECURITY

Centers assist businesses in finding workers through traditional recruitment activities, an online recruiting/application process and

job fairs. WIN also provides on-the-job training, which helps offset training costs. Likewise, businesses may qualify for reimbursement of up to half of a new employee's wages during training.

1235 Echelon Parkway, Jackson, MS 39215-1699

<https://mdes.ms.gov/> or 601-321-6000

South Delta Planning and Development District

The business driven local board is responsible for the overall policy making and resource



allocation for the Delta WDA. Federal funds awarded to the Delta WDA are used to provide individuals with the training and

skills they need to get a job right here at home and provide employers with a skilled workforce they need to be successful. The Delta WDA is also responsible for establishing local performance standards and ensuring that performance standards are met; establishing a one-stop delivery system (WIN Job Centers) in the Delta; and selecting qualified youth providers.

P. O. Box 1776, Greenville, MS 38702

<http://sdpdd.com/> or (662) 335-6889

Three Rivers Planning and Development District

Three Rivers Planning & Development District serves as the fiscal/administrative agent for The Mississippi



Partnership, which is one of four workforce areas in the State of

Mississippi designated to

carry out the Workforce Innovation & Opportunity Act (WIOA) of 2014. The Mississippi Partnership Workforce Area encompasses the largest geographical area in the State of Mississippi, covering 27 counties in northern Mississippi and is governed by a 23-member board and 27 chief elected officials. The Mississippi Partnership is responsible for establishing and maintaining a skilled workforce system that provides the highest quality services and a skilled workforce. The Partnership is also responsible for establishing local performance standards, one-stop delivery centers (known as WIN Job Centers in the State of Mississippi), selecting qualified service providers for youth services, and monitoring performance. Services are delivered through partnerships with community

colleges, planning and development districts, the Mississippi Department of Employment Security, the Mississippi Department of Rehabilitation Services, and other partners within the 27 counties.

P. O. Box 690, Pontotoc, MS 38863

Phone: 662-489-2415

<http://www.trpdd.com>

Central Mississippi Planning & Development District



Workforce development activities help improve the skills and abilities of workers, support the labor needs of local businesses, and contribute to the economic growth of area

communities. SMW works closely with a number of partner agencies to offer a comprehensive array of services, including the local Community Colleges; the Mississippi Departments of Employment Security, Rehabilitation Services and Human Services; the Mississippi Development Authority; and local economic developers. WIOA provides funding that allows for various types of training for individuals seeking to improve their job skills or acquire certifications. Funds can provide assistance to employers to offset the cost of training for newly hired unskilled or under-skilled individuals.

P. O. Box 4935, Jackson, MS 39296

Phone: 601-981-1511 Contact: Mary Powers

<http://www.cmpdd.org>

Southern Mississippi Planning and Development District



SMPDD offers technical assistance to counties and cities in support of their individual economic development initiatives. SMPDD's project coordinators can

assist communities with site selection responses, leveraging of financial resources and general strategic planning.

700 Hardy Street, Hattiesburg, MS 39401

Phone: 601-545-2137 <http://smpdd.com/>



Delta Regional Authority

In partnership with the U.S. Department of Labor, Employment and Training Administration, and the Appalachian Regional Commission, approximately \$29.2 million in

National Dislocated Worker Reserve: Workforce Opportunity for Rural Communities Grants will become available to support workforce training and education in rural communities across the Delta and Appalachian regions. To complement the federal partnership, DRA will host two technical assistance workshops, make available \$1.5 million in grants, and offer post-award technical assistance to grantees. The Delta Workforce Program will prioritize investing in communities and regions that have been negatively impacted by economic transition and recovered more slowly to help build their workforce pipelines and strengthen their economies. Investment priorities include:

- Supporting industry-driven workforce training
- Building collaborative workforce pipelines
- Expanding industry clusters
- Accelerating regional economic development

236 Sharkey Avenue, Suite 400, Clarksdale, MS 38614

Contact

For more information contact:

Donna Yowell, MUFC Executive Director

(601) 672-0755

dyowell@aol.com

www.msurbanforest.com

Facebook Pages:

Mississippi Urban Forest Council

Flower Growers of Mississippi

Mississippi Pollinators for Food Security

Planting Mississippi: From the Ground Up

Community Policy and Planning Templates

The Mississippi Urban Forest Council provides multiple training programs and on-line training for anyone wanting to learn more about managing natural resources and implementing environmental programs in their community or on their personal property. Our focus is to help train community leaders and land owners on using sound practices in regard to air, water, soil, plants and trees. Our mission is to help you better manage natural resources to obtain the maximum benefits and positive results for your citizens with no negative impacts.

Community leaders will find templates and the policies related to these resources throughout our programs. Community model policies and templates for planning can be found in our Storm Preparedness and Mitigation Manual and Training as well as our Tree Conservation Policies listed on our web site at

www.msurbanforest.com



“Recognizing Scenic Communities striving for natural integrity and character.” _____

About the Program

The Scenic Communities program includes a resource guide and a recognition program for municipalities and counties throughout the state. The natural resource management guide includes all services, grants and other assistance available to those managing public and private lands. The resources include state, federal and non-profit resources. The award aspect of the program requires that each city/county participant complete this score card. Winning communities/counties will be announced each year at the Annual Urban Forestry Awards. Selected winners will be based on natural resource programs successfully implemented on a local level. Qualifying programs under each tier are listed in the resource guide. Each winning participant will be presented a recognition award and provided statewide publicity for local success. The Scenic Communities of Mississippi Project is jointly sponsored by the Mississippi Department of Environmental Quality.

Scoring

Each city/county participating in the program should list programs, projects and activities that were conducted in their community under each category. The activities may occur any time on public or private property. One photograph per category and a short description should be submitted with the score card. You may submit your information any time during the year. Annual award dates will be posted on the Mississippi Urban Forest’s web site at www.msurbanforest.com. Awards event date and location will vary each year.

Examples of Qualifying Programs

MISSISSIPPI URBAN FOREST COUNCIL



- | | |
|------------------------|----------------------|
| Volunteer Activities | Best Management |
| Water Quality | Practices |
| Storm Drain Stenciling | Trails |
| Outdoor Classrooms | Revitalization |
| Adopt A Stream | Green Infrastructure |
| Entrance Features | Gardening |
| Hazard Mitigation | Linear Parks |
| Wild Flower Area | Green Space Plans |
| Recycling Programs | Litter Programs |
| Storm Water Programs | Community Fishing |
| Smart Growth | Arboretums |
| Environmental Ed. | Landscaping |
| Farmers Markets | Pollinators |
| BloomTown | Trees & Waste Water |

Mail Score Card To:

Mississippi Urban Forest Council
164 Trace Cove Drive
Madison, Mississippi 39110
For more information contact:
Donna Yowell at
dyowell@aol.com
(601)672-0755



Scenic Score Card

City/County: _____

Contact Person: _____

Contact Phone/ Email : _____

Directions: Determine how many of each type of program(s) that has been implemented and check the corresponding circle. Total the points. Submit along with a photo from each category and a paragraph describing each program implement.

| Programs | 1 | 2 | 3 or more |
|------------------------------|--------------------------|--------------------------|--------------------------|
| Conservation & Wildlife | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Land Management | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pollution | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Energy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Trees/Forestry | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Litter Prevention/ Recycling | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Transportation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Water Quality | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Tier I

| Programs | 1 | 2 or More |
|-----------------------------|--------------------------|--------------------------|
| Crime Prevention | <input type="checkbox"/> | <input type="checkbox"/> |
| Grants/Financial Assistance | <input type="checkbox"/> | <input type="checkbox"/> |

| Programs | 1 | 2 | 3 | 4 or more |
|---------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Parks, Recreation, Nature Areas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Volunteer Programs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Tier I Total: _____
 Tier II Total: _____
 Tier III Total: _____
 Total (all Three): _____



The Mississippi Urban Forest Council

“Scenic Communities is yet another valuable resource to assist communities statewide in enhancing their quality of life and economic success. This listing of resources will help communities address important issues affecting its budget, its citizens’ quality of life and its future.”

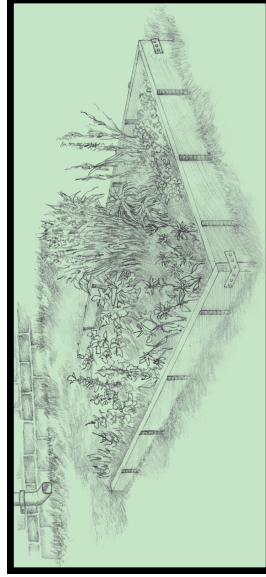
Rain Gardens

Rain gardens are storm water drainage areas that temporarily store rainwater until it can filter into the soil. The benefits of creating a rain garden include:

- The reduction of flooding at drainage inlets and downstream areas
- It filters pollutants from urban runoff which can affect streams and creeks
- Prevents erosion by reducing storm water volume and velocity

Rain gardens work by collecting surface water in a depression in the ground and then filtering the water through soils and plants. The biological and chemical processes within the soil, plants, and mulch are able to store or break down pollutants and improve water quality. *<http://msucare.com/lawn/landscape/sustainable/rain.html>

Build Your Own Rain Garden at http://www.lowimpactdevelopment.org/raingarden_design/downloads/

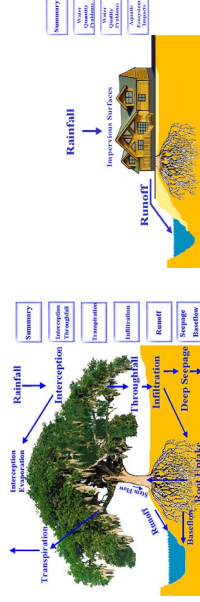


Trees and Water Quality

- Tree roots stabilize soil and prevent erosion
- Trees improve water quality by slowing and filtering rain water, as well as protecting aquifers and watersheds
- Trees and understory not only intercept rainfall and trap water and sediment in runoff (like silt fences), they also have the ability to absorb and direct water underground
- Forestry meets four out of six criteria for EPA Mandate for storm water
- Trees provide protection from downward fall of rain, sleet and hail and the possibility of flooding

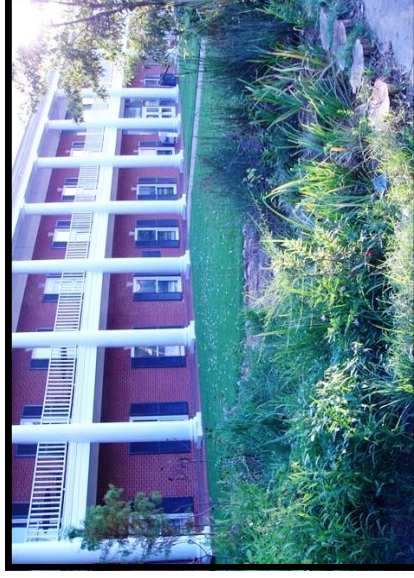
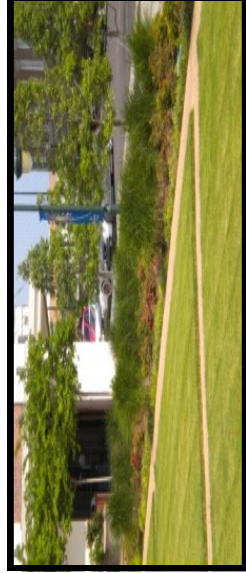
*<http://www.treesaregood.com/funfacts/>

Less water quantity, better water quality with trees



Storm water interception #2 largest benefit
 450 gallons of water per year
 U.C. Davis Urban Forest Research Center

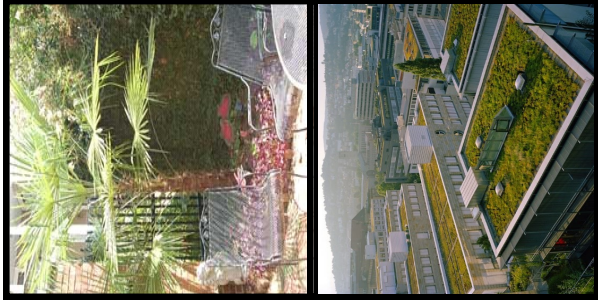
Green Parking Lots



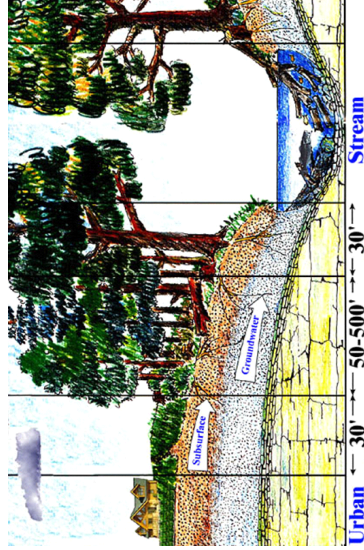
Rain Garden at the Lafayette County,
 Oxford Public Library in Oxford, MS

Green walls utilize a metal framework that is detached from the building sides (similar to a freestanding trellis) and supports panel-type planting units that hold a lightweight soil. The soil media holds water yet drains freely. Plants are planted into the soil on the side of the vertical structure. Green walls are used for water reuse and purification.

*<http://msucares.com/lawn/landscape/sustainable/greenwall.html>



Stream Buffers



Riparian Forest Buffers

Modified from USDA Forest Service Illustration

Erosion, Sediment and Storm-water Management

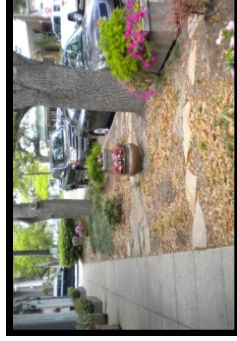
Museum of Natural Science

1. Parking lot water storage
2. Storm water treatment (Vortechnic Unit)
3. Constructed (artificial) wetland
4. Detention basin
5. Sediment Basin
6. Heavy-use area protection
7. Vegetative stream bank stabilization



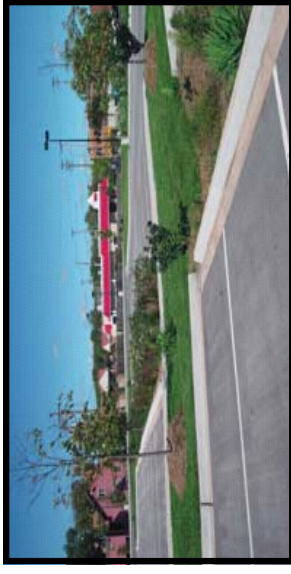
The Storm Water Treatment (Vortechnic) Unit is used to remove oil, sediment, and other contaminants from surface runoff. Rain water flows from the parking lot of the museum, enters the unit and is swirled at a high rate of speed. Sediment is caught in a swirling flow path and settles in a chamber. A barrier traps oil in another chamber. The treated water is less polluted and enters the museum's constructed wetland.

Costs are up to \$35,000 to treat one impervious acre for water quality. *Center for Watershed Protection*



Constructed Wetlands

Constructed wetlands are man-made, shallow basins used to treat contaminated water. The basins temporarily hold rainwater that flows from the parking lot and through the Vortechnic Unit. Wetlands provide biological treatment of contaminants to reduce pollution downstream.



Tree Lined Water Treatment





For more information contact:

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