

2024 ST. LOUIS

Green Business Challenge



Accomplishments & Innovations



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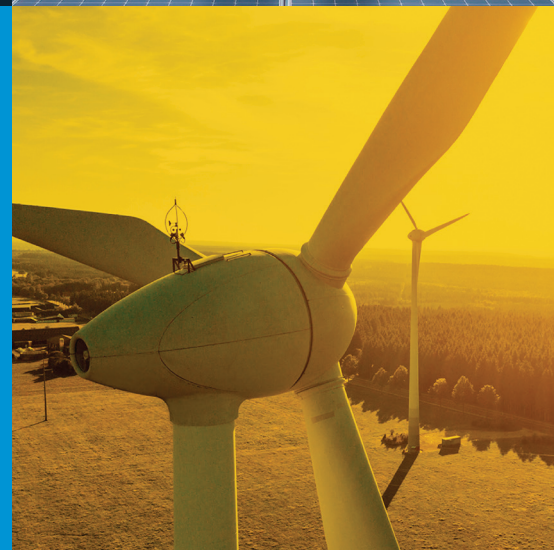
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ST. LOUIS GREEN BUSINESS CHALLENGE CLASS OF 2024

APPRENTICE

4 Hands Brewing Company
Cambridge Air Solutions

CK Power
Contemporary Art Museum St. Louis

Perennial
Seed St. Louis

GREEN CITIES

City of Berkeley, Missouri
City of Brentwood, Missouri
City of Clayton, Missouri
City of Collinsville, Illinois
City of Edwardsville, Illinois

Village of Glen Carbon, Illinois
Village of Godfrey, Illinois
City of Granite City, Illinois
City of Hazelwood, Missouri
City of Highland, Illinois

City of Maplewood, Missouri
City of Olivette, Missouri
City of Richmond Heights, Missouri
City of Webster Groves, Missouri
City of Wentzville, Missouri

LEADER

Commerce Bank
Companion Baking Company
Focal Pointe Outdoor Solutions, Inc.
Growing Green, Inc.
ICL Specialty Products

Keeley Construction
Mallinckrodt Pharmaceuticals
Metro Transit/Bi-State Development
Missouri Historical Society
Quiet Village Landscaping

RES
RideFinders
St. Louis Aquarium
Saint Louis Art Museum
Tarlton Corporation

CHAMPION

The Advertisers Printing Company
Ameren Missouri
Bayer
Bethesda Health Group, Inc.
Cortex Innovation District
Curium
ESCO Technologies
Graybar
Hunter Engineering
Luxfer Graphic Arts
Madison County Building & Zoning
Maritz

MilliporeSigma
Missouri American Water
Missouri Botanical Garden
MRC – Midwest Recycling Center
MTM, Inc.
Office Essentials
Safety National
St. Louis Cardinals
St. Louis CITY SC
Saint Louis Science Center
Saint Louis Zoo
StraightUp Solar



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2024 ST. LOUIS GREEN BUSINESS CHALLENGE

The 2024 St. Louis Green Business Challenge, a program of the Missouri Botanical Garden, delivers Triple Bottom Line results (fiscal, social and environmental) to businesses of all types and sizes across the St. Louis region. The Challenge supports integration of sustainability measures into the kinds of everyday operational practices common to every business. Participants identify and adopt strategies that improve financial performance and engage employees in voluntary measures to reduce environmental impacts.

Since the program launched in 2010, over 300 businesses, non-profits and municipalities have joined the Challenge. This participation has engaged over 160,000 employees and nearly 570,000 residents for a total of over 730,000 individuals influenced by this work. Ongoing sustainability commitment is strong: 60% of these companies have participated in the challenge for two or more years, 50% for three years or more.



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CHALLENGE 2024 BY THE NUMBERS

60 companies, non-profits, institutions, and governments participated the Challenge.

100% of participants have formed a **Green Team** to lead sustainability efforts

100% have established or are developing **Sustainability Policies**

100% kept up or started **Workplace Recycling**, even during remote working

100% kept up **Sustainability Communications** with colleagues or constituents

99% continued or added to **Special Waste Stream Recycling**

98% provided **Green Learning** opportunities or **Green-At-Home** resources

93% continued or implemented **Sustainable Purchasing**

88% promoted **Nature Connections**, including use of **Native Landscaping**

84% supported **Environmental Action**, contributing service, goods, or cash

83% participated in two or more **Challenge Events**

76% continued or increased **Tracking and Reporting** of resource usage

75% actively promoted workplace or personal/community **Wellness**

75% are **Doing Business** with another Challenge participant

70% promoted or actively supported **Green Transportation** options

60% experienced a **Business Advantage** from sustainability engagement

47% achieved or renewed **Green Certifications** for buildings or operations

35% Collaborated with another Challenge participant

ABOUT THE CHALLENGE

The St. Louis Green Business Challenge, a program of the Missouri Botanical Garden, assists companies in integrating sustainable measures into daily operations. Originally a partnership with the St. Louis Regional Chamber, the Challenge leveraged Chamber business connections and Garden sustainability expertise to launch and grow a network of companies committed to green policy and practice.

Now in its 15th year, Challenge activity influences the business, higher education, local government, and non-profit sectors of the St. Louis regional economy. The program works for building owners and tenants, supporting companies new to sustainability concepts, those already engaged and seeking to improve, and high-performing multi-year participants.

Challenge companies benefit from customized coaching, including annual site visits, provided by expert staff of the EarthWays Center, the Garden's sustainability division. Services support company Green Teams in efficient and cost-effective sustainability work, through policies and practices, in accord with each company's unique goals and culture.

Events facilitate Green Teams sharing problem-solving processes and best practice outcomes. The Challenge website archives examples of sustainability policies, surveys, reports, and more, shared by participants. Peer learning and B-to-B connection advantages flourish in this network of sustainability leaders, representing a wide range of professional specializations.

SUSTAINABILITY SERVICE HONORS

As Missouri Botanical Garden's key sustainability service for businesses, the Challenge was recognized with this year's Program Excellence Award by the **American Public Gardens Association**.

Challenge manager Jean Ponzi received the Lewis C. Green Environmental Service Award from **Great Rivers Environmental Law Center**, was named by **Grow Native!** as 2024 Native Plant Ambassador, and was honored with the Gateway Lifetime Public Service Award from **East-West Gateway Council of Governments**.



In this 15th Challenge year, we honor seven companies as steadfast, consistent participants. Thanks to these **Green Vanguard Champions** for their leadership, persistence, resource-sharing, fiscal support, and unique business actions to advance sustainability values across our regional economy.

- Ameren Missouri
- Missouri Botanical Garden
- Bayer
- St. Louis Cardinals
- Graybar
- Stan Gellman Graphic Design
- Maritz

GREEN BUSINESS CHALLENGE LEVELS

Challenge Apprentice companies choose action items from a menu of basic sustainability policies and practices to start the process of greening business operations. Apprentice participants meet twice, for a Sustainability 101 Training and a Report-Out Seminar, to learn from peers' experience and achievements.

Green Cities Challenge participants address sustainability within the range of operational requirements unique to local governments. Participating municipalities incorporate sustainability policy and practice fundamentals, including addressing measures defined by OneSTL, the regional plan for sustainable development.

Challenge Leader participants work with a categorized, point-based Scorecard enumerating a range of fundamental sustainability measures for business operations. Scorecards guide choices for Green Team leadership in their company's process of making sustainability work. Each company competes with itself to improve their score over the program year, and through multi-year participation.

Challenge Champion participants have the option to develop and report on an Innovation Project that takes on exemplary performance with internal greening measures or is focused in public or client-facing work. A Champion Scorecard expands on the operational greening opportunities that comprise work at the Leader level.

THE CHALLENGE SCORECARD— A ROAD MAP OF STRATEGIES

Challenge Scorecards detail a comprehensive range of sustainability options that address the kinds of operations common to every business. Each company earns points by acting on their selected strategies. Challenge participants can choose to:

- Conduct **outreach** by expanding the culture of sustainability within and outside the organization: Green Teams, purchasing policies, internal and customer/public communications, community partnerships.
- Conserve **energy**: energy efficiency in HVAC, equipment and lighting, renewable energy.
- Improve **indoor environmental quality**: air quality, green cleaning, workplace comfort.
- Reduce **waste**: recycling, paper reduction, food service, replacing disposables, composting.
- Conserve **water**: fixture conservation, stormwater management.
- Provide **clean transportation alternatives**: carpooling, bike-to-work, transit, travel.
- Promote **employee engagement**, through community service, Taking Green Home tips, and more.
- Educate to **Recycle Responsibly**: advancing regional waste minimization goals.
- Promote awareness and use of this region's **Building Energy Exchange** (BE-EX STL), to boost investment in building systems efficiencies, toward regional climate action goals.
- Advance investment in **Biodiversity**, toward improving both ecological and human health and promoting the benefits of nature connections.

ABOUT THE AWARDS

The 2024 St. Louis Green Business Challenge awards are designed by Stan Gellman Graphic Design and include an illustration created by Jeffrey Johnson of Red Herring Illustration.



This year's awards add to a build-your-own Green Business District concept originated in 2022. They are printed on a cost-effective, high-quality white corrugated cardboard made with primarily recycled content, that is recyclable. The press uses odorless, water-based inks in a single pass to produce high-definition images with zero UV-reactive chemicals and produces zero hazardous air pollutants.

Previous years' Challenge award designs incorporated sustainably produced bamboo, reclaimed aluminum printing plates, and recycled cork tiles.

We are proud that SGGD was recognized in 2011, 2014, 2017, 2020 and 2022 from Graphic Design USA for their Challenge award design work. The 2022 award design received a 2023 Grand Winner in MerComm's Galaxy Awards. In this year's 61st GDUSA Design Awards, the 2023 Challenge award is a winner again, in the top 10% of over 8,000 entries.

WINNING THE CHALLENGE

Each Challenge company competes with itself to improve sustainability performance. Apprentice Level and Green Cities Challenge participants use a Menu of Options to guide action in policy and practice. Most Champion companies focus on an Innovation Project of their choosing. At Leader and Champion Levels, companies using the Scorecard can "win" the Challenge based on points gained over the year. All work is supported by customized coaching from the Challenge team.

2024 CHALLENGE WINNERS

4 Hands Brewing Company | Apprentice Level Rookie of the Year
Growing Green, Inc. | Leader Level Rookie of the Year
Quiet Village Landscaping | Leader Level Winner
RideFinders | Leader Level Winner
MilliporeSigma | Champion Level Winner

2024 PROGRAMMING SPECIAL FEATURES

Cortex Innovation District hosted a Green Biz Showcase to kick off the Challenge in our *15th Year Sustainably Strong*. Sixteen Challenge companies displayed sustainable products and services, and two panels of Green Team leaders shared resources for operational greening.



Climate Action KC Webinar Presenters

Presented in partnership with **OneSTL**, two Challenge webinars shared climate action processes from **Green Umbrella in Cincinnati OH** and **Climate Action KC** in metro Kansas City.



Challenge Kickoff GreenBiz Showcase

Challenge staff joined colleagues from **Tarlton** and **Missouri Gateway Green Building Council** on tours of **Eco Recycling** and **Terra Environmental**, to inform program referral options for specialized waste management.

Webinars shared **Ameren Missouri** energy resources, and a summary from **Blackrock Consulting** of the B Corp Certification process. In-person programs included a focus on Green Purchasing, hosted by **Office Essentials** with a special guest from the **US EPA**; **ESCO Technologies** resources for ESG reporting and the Greenhouse Gas Inventory process at **Missouri Botanical Garden**; and experiencing the creative DIY-Reuse employee engagement offerings of **Perennial**.

Maritz hosted a special program connecting their corporate sustainability journey to their client-serving Vision for Greening Business Events. Maritz GM for Environmental Strategy presented with panel guests from **Alvarez & Marsal**, **ESG Advisory**, **Explore St. Louis**, **Maritz Event Solutions**, **Missouri Botanical Garden**, and **St. Louis CITY SC**.



Terra Environmental Tour



Perennial Challenge Event



Maritz Event Presenters

2024 COLLABORATIONS

Challenge coordinator Jaclyn Jezik facilitated a special regional recycling collection for election season yard signs, in partnership with **Republic Services**. Twelve **St. Louis County** municipalities joined the **City of St. Louis**, **St. Charles County**, and **Jefferson County** to host nineteen collection drop-off sites. In one week, over 4,000 pounds of corrugated plastic signs and metal holders were recycled.



GODFREY
Sustainability Commission

COOLCITIES
Sustainability Commission

GRANITE CITY AND GODFREY PRESENTS:

Metro-East Green Cities Gathering

WEDNESDAY
AUGUST 14TH
FROM 5PM TO 7PM
AT THE MILL
1311 20TH ST.
GRANITE CITY

REGISTRATION LINK:
<https://tinyurl.com/A92P4CTJ>

Are you ready to expand your network and gain insights on how other cities are effectively utilizing their own Cool Cities Committee or Sustainability Commission?

Join us at The Mill to learn how other organizations and agencies support sustainability initiatives in the region.

Featured Speakers:

- JEAN PONZI**
MISSOURI BOTANICAL GARDENS
EARTHWAYS CENTER
- MIKE PARKINSON**
GRANITE CITY MAYOR
- BRANDON BANKS**
MADISON COUNTY
RESOURCE MANAGEMENT
COORDINATOR
- EMILY EHLEY**
TREES FOREVER ILLINOIS
PROGRAM MANAGER
- CONNIE FREY SPURLOCK**
SIUE SUCCESSFUL COMMUNITIES
COLLABORATIVE

Registration is encouraged. For more information contact Virginia Woulfe at virginia.woulfe-belle@sierraclub.org

Municipalities in the Green Cities Challenge excel at sharing resources! On the

Missouri side of our region, **Maplewood**, **Clayton**, **Brentwood**, **Richmond Heights**, **Webster Groves**, and **Olivette** are cross-pollinating advocacy for ecological landscaping and energy efficiency, through their **Mid-County Sustainability Consortium**. In Illinois, **Granite City** and **Godfrey** co-hosted the first **Metro East Cool Cities Gathering**. **St. Louis County** initiated Challenge sponsorship, inviting municipalities to include their Green Cities registration in recycling grant applications.

The Challenge is supporting **Cool Cities STL**, a new climate-focused collaborative of our region's elected leaders, aimed to advance local climate policy and resilience action.

Green Team leaders at the five **Zoo-Museum District** institutions continue active collaboration, including monthly meetups and field visits to grow capacity for operational and innovative sustainability at the **Saint Louis Art Museum**, **Missouri History Museum**, **Saint Louis Science Center**, **Saint Louis Zoo** and **Missouri Botanical Garden**.

Challenge staff contributed as presenters and participants to conferences held by **CircularSTL**, the **Living Earth Collaborative**, **MRCTI Plastic Pollution Initiative**, and **Partners for Native Landscaping**. We continue leading waste minimization and biodiversity working groups for **OneSTL**.

Partnership continues with **Employment Connection** and local and state agencies to support **Green Jobs** training and development. We hosted the **Missouri Manufacturing Association** to provide their **Pollution Prevention Training** to Challenge companies.

Challenge staff gave sustainability-themed talks for North American, national and regional corporate audiences at **Commerce Bank**, **Edward Jones**, **Mallinckrodt**, **Metro Transit**, **MTM, Inc.** and **Safety National**.



Green Jobs training graduates, Fall 2024



Special Recycling Campaign

WE WANT YOU TO RECYCLE YOUR YARD SIGNS!

Corrugated plastic signs only please

VOTE!

★ Grab your yard signs ★ Separate metal clasp ★ Drop them off at any of the locations listed below!

www.RecycleResponsibly.org



Tom Souders | Sustainability Manager
tsouders@4handsbrewery.com | 314-623-9217
1220 S. 8th Street, St. Louis, MO 63104
Owner – 45,000 ft²
www.4handsbrewery.com

ACCOMPLISHMENTS

- Formed a company-wide Green Team across all company functions.
- Tapped Ameren energy efficiency incentives for three new rooftop air conditioning units with a higher SEER rating.
- Installed single-stream recycling collection back-of-house, throughout workplace.
- Set up internal recycling of plastic can carriers with a local recycler.
- Converted to 100% recycled content office paper.
- Established a company-approved no-idling plan at our dock.

INNOVATIONS

- Completed a 2023 base-year Greenhouse Gas Inventory, utilizing the World Resource Institute's GHG Protocol Standard, the Beverage Industry Environmental Roundtable (BIER), and New Belgium Brewing's GHG accounting tool.
- Through Graybar lighting audit, identified LED update options and calculated a 2.5-year project payback.
- Updating all remaining lighting to high efficiency LEDs in the brewery facility, per the audit.
- Participated in a first phase Sustainability Assessment with Missouri State University in support of their development of the Missouri Green Brewers Association.



2024 ST. LOUIS Green Business Challenge

APPRENTICE LEVEL



The Challenge was a great catalyst to organize our sustainability efforts with a 4 Hands Brewing Green Team. Challenge staff guidance gave us direction, purpose, and accountability. Our department leads see their role and the teams they lead through a new lens, one where environmental sustainability projects can reduce operational costs and provide ROI. We're building momentum towards sharing our internal sustainability journey with the market in the future.

Tom Souders
Sustainability Manager



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2024 ST. LOUIS

Green Business Challenge

CHAMPION INNOVATION PROJECT



The Advertisers Printing Company has embraced, over the last two decades, a level of sustainability that is unmatched for our industry, practicing Triple Bottom Line concepts. Our philosophy is simple: lead by example, share what we know, and advocate for relentless change both personally and professionally.

John Heaney
 SVP, Sustainability Director



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CHAMPION INNOVATION PROJECT

Addition by Subtraction: Replacing and Updating Legacy Hardware

MEASURABLE ELEMENTS

- Purchased Canon Arizona, large format imaging device prints on all manner of substrates at oversized P.O.S. size & scale. We had outsourced 100% of this work to a vendor 15 miles away, now done completely in-house.
- Purchased Digi-lope digital envelope printer. For shorter run printing on envelopes that used to require metal plates, petroleum-based inks and a heavier overall energy footprint, this device lowered our cost by 40% with faster throughput and 10% reduction in spoilage.
- Purchased Prinova Saddle Binder. Reduced set-up times by 37% and spoilage by 14%, using much less energy than legacy binder it replaced. Optical character recognition prevents duplicates and mis-feed.



QUALITATIVE ELEMENTS

- Continuing educational outreach with many tours for high school and college undergrad visitors, articulating our sustainable advances and fulfilling our SGP commitment to educating all stakeholders.
- Operational speed and throughput gains translate to faster production times.
- Equipment efficiency gains delay need to search for, hire and train new associates.
- More innovation reduces overtime, increasing quality of life for our associates.
- Easier employee recruitment and retention and attracting a younger workforce.

CHAMPION INNOVATION PROJECT

Powering a Reliable, Sustainable Tomorrow

MEASURABLE ELEMENTS

- Saved Ferguson-Florissant School District an estimated \$190,000 a year through 44 BizSavers® energy efficiency upgrades. Helped the district secure EPA funds to purchase 16 electric school buses.
- Powering Metro Transit's fleet of 24 battery-electric buses for over 1.5 million miles since 2020, operating across high-use St. Louis City and County lines.
- Charge Ahead cost-share program incentivized over 400 EV charging ports at multifamily locations or for public use. Since 2020, Charge Ahead has influenced installation of over 800 EV charging ports.
- Smart Energy Plan supports local communities by promoting economic development to grow jobs and investment. In 2023, 15 businesses announced plans to locate or expand in Ameren Missouri service territory, generating over \$360 million in capital investment and nearly 700 new jobs.



QUALITATIVE ELEMENTS

- Announced plans to double a renewable energy program to provide organizations across Missouri with up to 100% renewable energy, from solar facility set to be in service by end of 2024.
- Expanded Community Solar program with plans for a third facility to meet growing demand. More than 4,700 customers choose to receive as much as 100% of their energy sourced from Ameren Missouri Community Solar facilities.
- Incentivized over 630 commercial customers through BizSavers® program across all industries, for energy efficiency upgrades to LED lighting, high-efficiency HVAC and refrigeration systems and more.
- Provided over \$2 million to support residential customers with energy-saving weatherization improvements: caulking, weather stripping, water heater jackets, insulation and more. Funded an additional \$1 million to Ameren Missouri's weatherization assistance program, providing energy-saving home improvements at no cost for qualifying homeowners and renters.

2024 ST. LOUIS
 Green Business Challenge

CHAMPION INNOVATION PROJECT



We must be strategic and intentional about building up our communities, just as we are about reaching net-zero carbon emissions. That means thinking about social impacts, customer affordability and how we're lifting vulnerable communities and customers, while still ensuring energy reliability.

Gwen Mizell
 Chief Sustainability, Diversity
 and Philanthropy Officer



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Owner – 4,035,338 ft²
www.bayer.com

2024 ST. LOUIS Green Business Challenge

**CHAMPION
LEVEL**



At Bayer, everyone plays a role in sustainability, in reducing the environmental impact of our sites. We do this by creating and maintaining habitats for native species to flourish, emphasizing the importance of proper recycling, and conserving energy and water.

Anna Tang
Sr. Manager NA HSE
Facility & Lab Operations –
Environmental, Sustainability
and HSE Management
Systems

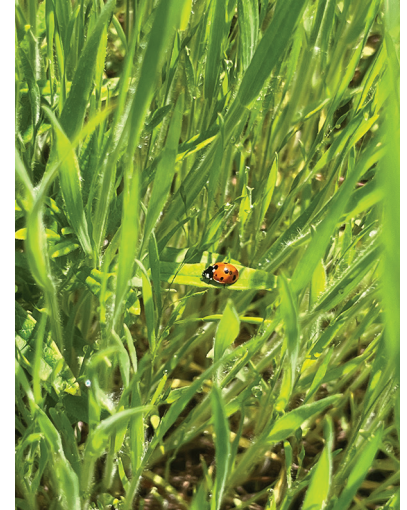


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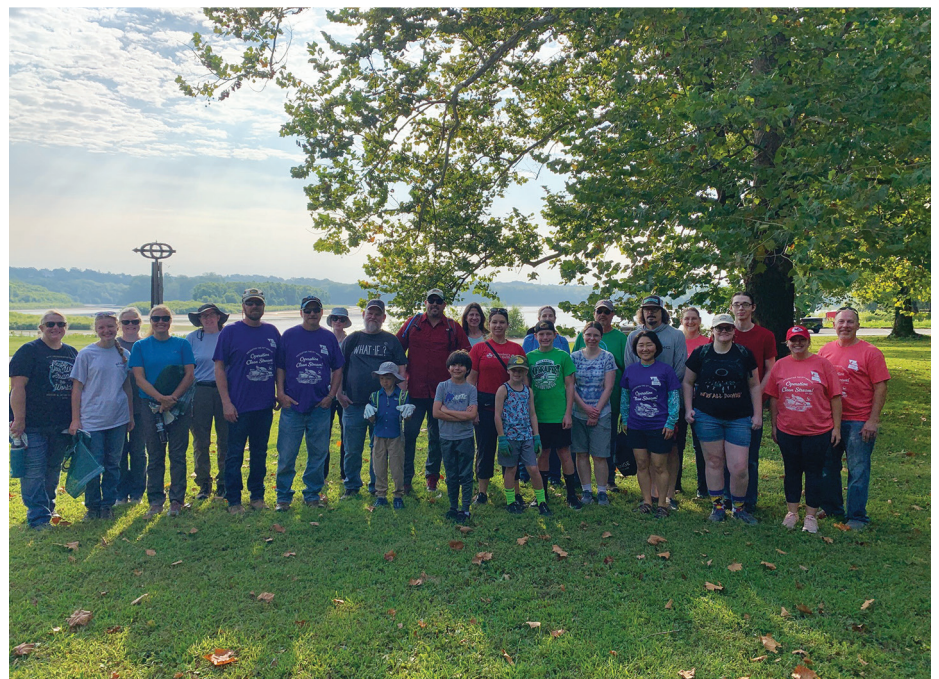
ACCOMPLISHMENTS

- Maintained >60% landfill diversion rate.
- Wildlife Habitat Council Gold recertification of Creve Coeur Campus in 2024.
- Successfully completed Blue Bird Nestbox monitoring program with great employee engagement.



INNOVATIONS

- Successfully hosted Earth Day events at both Bayer St. Louis campuses.
- Our Sustainability Team collaborated with Open Space St. Louis for 2024 Operation Clean Stream event at George Winter Park.
- Organized on-campus Nature Walk and Biodiversity Blitz.
- Bayer is a Green Vanguard Champion, participating in all 15 Challenge years.





Matthew Scheer | Director of Administrative Services
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Owner – Multiple Facilities
www.bethesdahealth.org

ACCOMPLISHMENTS

- New chiller at Dilworth campus Rehab building is projected to reduce energy consumption by 30%, for estimated annual \$14,052.00 cost savings and 140,552 kWh reduction. This upgrade will shrink our carbon footprint by 120 metric tons per year, while improving overall plant efficiency by 42% and decreasing noise, boosting operational longevity in a quieter, more sustainable environment.
- Replaced HVAC system in our Southgate location 400 Hall. More energy-efficient rooftop unit has improved overall balance and performance of the building's climate control system, and reduced our use of R-22 refrigerant, a known greenhouse gas.
- Replaced the HVAC system for the Northridge Hallway with a 6-ton unit, boosting efficiency and reducing R-22 usage.
- Completed parking lot lighting changeover to LED at all our facilities.



INNOVATIONS

- Continuing to recycle at our Senior Living facilities.
- Replaced more than 25 HVAC systems in our Independent Living apartments this year, with energy efficient equipment.
- Routine window replacements prioritize energy efficient windows, including 15 window updates this year at our Barclay House facility. More are on order for other facilities.
- Systematically changing our HVAC system refrigerants from R22 to R410A, R134A, R407C, and R407A to reduce greenhouse gas emissions.



2024 ST. LOUIS Green Business Challenge

**CHAMPION
LEVEL**



In 2024, the Bethesda facilities team continued to focus on organization-wide energy efficiency equipment upgrades, helping to reduce greenhouse gas emissions. This included installation of over 25 new energy-efficient HVAC units in our Independent Living apartments. All parking lot lights are now equipped with LED bulbs. I continue to be immensely proud that our entire organization has embraced the need for prioritizing energy efficient practices.

Joseph J. Brinker
President
Chief Executive Officer



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2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



The City of Berkeley is dedicated to being a sustainability leader in all of St. Louis County, and setting a sustainable example for our citizens. Our goals are to increase our city-wide sustainability practices, implement eco-friendly programs and green infrastructure, and create inviting, natural, green spaces for the community. Being part of the Green Cities Challenge has opened our eyes to opportunities we have to implement sustainability practices. We look forward to taking on a larger part in environmental stewardship for all.

Nathan Mai-Lombardo
City Manager



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ACCOMPLISHMENTS

- Developed a policy for ENERGY STAR Rated computers, office equipment, and kitchen equipment.
- Conducting a lighting audit for City Hall through Graybar.
- Installing recycling containers in municipal facilities.
- Continuing to remove invasive species including bush honeysuckle, wintercreeper, and Japanese honeysuckle.
- Planted numerous native trees through Forest ReLeaf.
- Installing a rain garden for stormwater management.
- Promoting rainscaping and native plants to citizens.



INNOVATIONS

- Installed Electric Vehicle charging stations for citizens to use at City Hall and the Police Station.
- Purchased nine EVs for Police, Public Works, and Parks Department usage.
- In process of creating an Urban Tree Canopy Recovery Plan to reestablish a healthy tree canopy across the city.
- Installing pollinator plots in multiple parks with grant funding from Missouri Department of Conservation, with future projects included in the new Parks Master Plan.
- Exploring and mapping bike trails and lanes through Berkeley with plans for major improvement.
- Participating in Campaign Sign Recycling collection through Republic Services.



ACCOMPLISHMENTS

- “Low Mow April” supports limiting lawn mowing to help pollinators thrive, reduce emissions and conserve water.
- Completed the Brentwood Bound major flood mitigation project along Deer Creek, restoring natural floodplains and creating new trails and green spaces.
- New urban wetland designed to promote biodiversity.
- Added 72 trees to strengthen the city’s urban forest and improve climate resilience.
- Expanded city-wide composting efforts by distributing composting equipment.
- “Leave the Leaves” encourages residents to let fallen leaves create natural mulch, suppress weeds, naturally fertilize soil and improve habitat.
- Completed an energy audit of all city facilities.
- Replaced fireworks at Brentwood Days Festival with a drone show, reducing air and noise pollution.
- Joined SolSmart to accelerate clean, renewable energy for Brentwood.



INNOVATIONS

- Brentwood Park’s new playground reuses over 4 million gallons of water from splash pads for park irrigation.
- Partnered with Ameren on Fleet Electrification Plan, exploring ways to shift city vehicles to electric power.
- New electric mower and gator boost eco-friendly maintenance of parks and recreational spaces.
- Applied modified aggregate sealant on residential streets, extending their lifespan and reducing the need for more energy-intensive repairs like milling and overlay work.
- Updated municipal code to limit outdoor lighting to 2700K color temperature, reducing light pollution and energy consumption.
- Began work on Parks & Recreation Master Plan, incorporating sustainability measures like improved energy use and habitat protection.

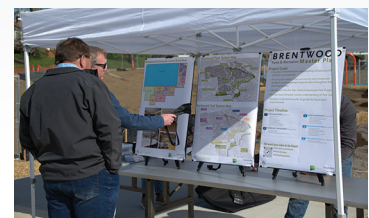
2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Participating in the Green Cities Challenge has been invaluable in guiding Brentwood toward more sustainable practices. It has empowered us to innovate, from energy-efficient city planning to community-driven initiatives like composting and water conservation. Brentwood remains fully committed to fostering a healthy, vibrant, and environmentally responsible community, ensuring a lasting impact for future generations.

David Dimmitt
Mayor, City of Brentwood



is a program of:





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www.claytonmo.gov

2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Clayton continues to make significant strides in our commitment to sustainability. Through collaboration with our dedicated Sustainability Advisory Committee, we are working to reduce our environmental impacts, foster a resilient community, and ensure a healthy, vibrant Clayton for generations to come. We are proud to participate in the Green Cities Challenge and look forward to further advancing our sustainability goals in partnerships across the St. Louis region.

Michelle Harris
Mayor, City of Clayton



is a program of:



ACCOMPLISHMENTS

- SolSmart Silver designation recognizes Clayton's expanding work to streamline solar permitting, adopt best practices, and train staff.
- Adopted a resolution initiating energy benchmarking for city-owned buildings with the goal to engage large privately-owned buildings in the future. Benchmarking tracks energy and water usage and helps building owners identify efficiency opportunities.
- From Tree City USA, 32nd consecutive designation and 12th Growth Award recognize community forestry commitments.
- Parks and Recreation began three-year project to replace metal halide lighting with efficient LEDs in Shaw Park and Oak Knoll Park.
- Received \$5,500 grant from Missouri American Water to install a bottle refilling station in Oak Knoll Park to promote reducing plastic waste.



INNOVATIONS

- Adopted Livable Community Master Plan, a collaborative effort of Parks and Recreation and Public Works Departments, that provides a comprehensive framework for enhancing parks, connectivity, and multi-modal transportation.
- Fleet vehicle electrification feasibility study evaluated potentials for replacing gas-powered with electric vehicles, including for police use.
- Pursuing Urban Night Sky Place certification from DarkSky International for both Oak Knoll Park and Shaw Park. Led by the Sustainability Advisory Committee, this effort aims to raise awareness about ecological and human health impacts of light pollution and restore a natural nighttime environment to benefit both residents and wildlife.





Caitlin Rice | Senior Planner
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Population – 24,366
www.collinsvilleil.org

ACCOMPLISHMENTS

- Carol Frerker, Superintendent of Willoughby Farm, received the 2024 Confluence Leadership Award.
- Over 40 people gathered in March at Willoughby Farm to restart Southwest IL Wild Ones Chapter.
- Willoughby Farm has diverted approximately 2,190 lbs of coffee grounds, 911 lbs of food waste, 2,154 lbs of paper waste, and 1,941 lbs of spent grain waste from landfill.
- Composted over 70 tandem truckloads of leaves from Collinsville Township that will provide free leaf mulch to residents in spring.
- City Hall Garden Club continued for a second year. Staff planted vegetables in landscaping areas and installed a rain barrel.
- Completed and adopted Collinsville Bicycle and Pedestrian Master Plan (Purple Path), to promote safe and sustainable alternative forms of transportation and bolster community accessibility.



INNOVATIONS

- Willoughby Farm 2024 Sustainability Series hosted speakers covering a wide range of green-action topics.
- Composting Series at Willoughby Farm with Seed STL & Table to Garden offered 10 classes with hands-on experience using different composting systems.
- Biochar Program at Willoughby Farm recycles woody biomass to add structure to soils and help sequester carbon on site.
- Started recycling in city parks.
- Cool Cities Committee launched Sustainability Tip of the Month to educate and encourage Collinsville residents to think and act sustainably.
- Parks & Recreation Department's Green Halloween Costume Swap reduced waste as families traded gently used costumes—and saved money!
- Expanding native landscape solutions to over two acres in city parks increases habitat and manages stormwater.

2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



The City of Collinsville is honored to participate in the St. Louis Green Business Challenge. The Challenge fosters a positive platform for recognizing sustainable practices in our region while furthering innovation and collaboration as our communities learn from each other.

Caitlin Rice
Senior Planner



is a program of:



2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Edwardsville has made huge strides in purchasing conservation lands. There has been a strong public voice asking that we preserve the wild areas that remain. With the help of Heartlands Conservancy, Edwardsville is going to manage forested areas for the public benefit. Great for the environment, great for the community.

Rachel Tompkins
Edwardsville Environmental
Commission



is a program of:



ACCOMPLISHMENTS

- City Council passed Managed Natural Landscapes Ordinance.
- Established Heartlands Conservancy management plan for Drda and Richards Woods.
- 50/50 tree planting reimburses residents for half the cost of planting a native species tree, up to \$100, to support biodiversity and encourage removal of invasive and problem species, such as Bradford Pears.



INNOVATIONS

- Formed in January 2024, the Edwardsville Environmental Commission merged the city's Beautification and Tree Commissions and Cool Cities Advisory Committee; 7-11 members are appointed by the Mayor and approved by City Council.
- Commissioners advise City Council on matters of sustainability, environmental protection, and community conservation, and can make project recommendations relating to energy, recycling, urban forestry, and adoption of LEED building strategies for public development and redevelopment.
- Right-of-way tree planting, a continuous funding effort started by Edwardsville in 2022, makes up for expected loss of trees due to disease and natural decline. The Commission annually receives \$10,000 to plant on any right-of-way.
- A first for Metro East: community compost collection bins at Edwardsville High School, Main Street Community Center and Meyer YMCA provide organic waste drop-off convenience for subscribers to New Earth Farms composting service.
- Solar farm built to run the city water treatment plant.

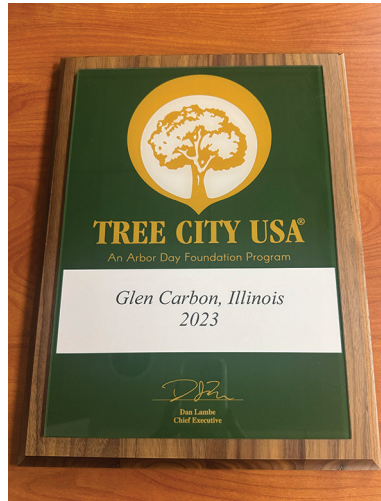




Jamie Bowden | Village Administrator
jbowden@glencarbonil.gov | 618-288-2614
151 North Main Street, Glen Carbon, IL 62034
Population – 13,842
www.glencarbonil.gov

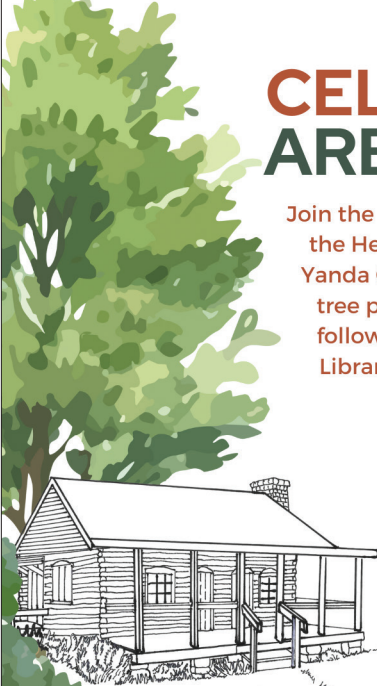
ACCOMPLISHMENTS

- Received Tree City USA designation.
- Completed our prairie restoration project at Green Space East.
- Received an Environmental Grant from Madison County to complete an Energy Master Plan Assessment.



INNOVATIONS

- Investigating the possibility of solar installations for our Village Municipal Complex.
- Completed Energy Master Plan Assessment, now Investigating energy efficiency options for our aging municipal buildings based on assessment findings.



CELEBRATE ARBOR DAY

Join the G.L.E.N. Committee and the Heritage Museum at the Yanda Cabin for an Arbor Day tree planting! Immediately following, the Glen Carbon Library will host Storytime at the Cabin.

10AM
27 APRIL, 2024

Yanda Cabin
148 S. Main Street
Glen Carbon

2024 ST. LOUIS Green Business Challenge



The Green Cities Challenge has provided inspiration, guidance and resources to foster a more sustainable future for the Village of Glen Carbon. We are grateful to the organizers, co-participants and Madison County for their encouragement and support.

John Slosar and Chris Krusa
Co-chairs, Glen Carbon
Cool Cities Committee



is a program of:



2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Small communities like the Village of Godfrey will grow faster in the future, and we want to ensure that Godfrey grows in the most environmentally and economically friendly way. The Green Cities Challenge offers guidance for sustainable growth through educational workshops, webinars, and municipal networking. The Challenge also gives local governments a strong platform to share resources and celebrate our accomplishments.

Virginia Woulfe-Beile
 Chair, Village of Godfrey
 Sustainability Commission



is a program of:



ACCOMPLISHMENTS

- Trees Forever supported native tree planting at Glazebrook and LaVista Parks with a Recover Replant Restore grant. Native species will mitigate erosion at Glazebrook and grow “shade islands” on the LaVista Park disc golf course. YouthBuild, Alton High School students, and members of the public participated and Trees Forever staff demonstrated proper tree planting.
- Parks Department organized the annual Arbor Day event. Attendees received native trees and plants with experts on hand to advise on planting and care.
- Community Shred-It Event, a partnership between Godfrey Sustainability Commission and the Village Clerk’s office, provided secure document disposal while diverting material from landfills.
- Completed Widman Trail construction, connecting Glazebrook Park, LaVista Park, and The Great River Road Trails with a new pedestrian and cycling trail.



INNOVATIONS

- Godfrey Sustainability Commission and the Granite City Cool Cities Committee co-hosted the first Green Cities Gathering networking event at The Mill in Granite City, bringing together local and regional elected officials and community volunteers to learn more about area sustainability and green initiatives.
- Invasive Species Management Workshops, held through a grant from Illinois Forestry Development Council, educated and engaged municipal workers, landowners, and interested parties about invasive species identification and best management practices.
- Prairie expansion in progress at LaVista Park, working in cooperation with the Sierra Club to double the existing one-acre prairie restoration.



Craig Knight | Risk Manager
cknight@granitecity.illinois.gov | 618-452-6206
2000 Edison Avenue, Granite City, IL 62040
Population – 27,549
www.granitecity.illinois.gov

ACCOMPLISHMENTS

- Granite City application for Tree City USA certification is in process. On April 16, the Mayor observed Arbor Day 2024 by reciting the Tree City USA official Arbor Day Proclamation. The City Council passed an ordinance on September 3 to create a Tree Advisory Board.
- The Cool Cities Committee applied for the Illinois Community Canopy Tree Inventory & Management Plan grant through Trees Forever and was awarded \$25,000. Heartlands Conservancy will partner with Granite City to manage the grant.
- Residents were encouraged to mow their lawns no more than two times and at the highest setting through a “Low Mow April” campaign.



2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



It's great to see that the changes we're making in Granite City are helping to build back a better community and a better environment for future generations. We are moving Granite City forward towards a more sustainable future while implementing our city's Sustainability Plan. We feel very proud and fortunate that Granite City is part of the Green Cities Challenge.

Mike Parkinson
Mayor

INNOVATIONS

- Granite City and Godfrey invited Metro-East community leaders and residents to an event at The Mill to inform them about sustainability resources and to encourage more neighboring municipalities to start their own Cool Cities Committee or Sustainability Commission.



is a program of:





DISCOVER HAZELWOOD

Darren May | City Planner
dlmay@hazelwoodmo.org | 314-513-5013
415 Elm Grove Lane, Hazelwood, MO 63042
Population – 25,485
www.hazelwoodmo.org

2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



With increased industrial development over the past 15 years, Hazelwood has been cognizant of the challenges it faces keeping the city clean and green. The Green Committee is a grass roots (pun intended) group of concerned citizens that began in 2011 and has grown over the years to help protect the natural environment as well as clean up the built environment. Changes to City ordinances, policies and enforcement over the years reflect their influence



Darren May
City Planner



is a program of:



ACCOMPLISHMENTS

- Green Committee became an official City Board in 2023, promoted from an ad hoc advisory status.
- 13th Annual Hazelwood Recycle Day in June collected over 45,000 lbs. including electronics, metals, automotive items, bulk items and paper shredding.
- Weed ordinance modification in 2020 gave preference to native plants and ornamental grasses, with square footage restrictions and no violation heights. This year, Code Enforcement inspectors were brought up to speed on the regulations and began enforcement.
- Green Committee volunteers performed 29 volunteer litter collection events at city "hot spots" and in parks, collecting 104 bags of trash and 46 bags of recyclables weighing an estimated 2,850 lbs.
- Green Committee brought recycling to five Food Truck Nights, July 4th celebration and Hazelwood Day.
- Distributed over 250 seed packets to residents at Hazelwood Day.
- Coordinating with Ameren to replace 20 dead or dying Pampas grasses at their new Pershall Road substation facility to meet site plan requirements. Additional landscaping will allow the replacement grasses to take hold and flourish.
- Installing new anti-litter "Keep Our City Clean Hazel Would" decals on park trash barrels, bus stops and business windows.
- Drafting our first Comprehensive Plan in 15 years, to be adopted in early 2025, including a Parks/ Recreation/Open Space section.



INNOVATIONS

- Recycling IQ boards educate youth (basics) and adults (advanced) at public events.
- Green Committee volunteers began implementing a 2-sort process with all clean cardboard, glass, plastic bottles, aluminum cans and metals separated and recycled. Aluminum can revenue has been donated back to the city since 2020.
- Police Dept. supports Green Committee by identifying litter "hot spot" areas.
- New Green Committee Facebook page posts photos, education tips, event reports, and volunteer action invitations.





CITY OF HIGHLAND

Lucas Pinsker | Sports, Leisure and Facilities Manager
lpinsker@highlandil.gov | 618-651-1386
Population – 9,991
www.highlandil.gov

ACCOMPLISHMENTS

- Partnered with Heartlands Conservancy to secure an Illinois EPA 319 Grant to continue partnerships with Silver Lake landowners, implementing BMP projects to reduce sediment erosion from entering Silver Lake.
- Received an environmental grant from Madison County to install shoreline revetment and establish wetlands in Old City Lake.
- Continued to upgrade lighting to LED in various municipal buildings.
- Utilized recycled mulch from tree trimming crews to maintain city trees.
- Cancelled multiple periodical subscriptions to reduce paper consumption.



INNOVATIONS

- Partnered with the Highland Lions Club to plant flowers as part of their environmental duty in Highland's downtown Plaza Park.
- Purchasing recycled plastic picnic tables for memorials and honorariums.
- Received a grant from the Metro-East Park & Recreation District to update the city's Master Trail Plan.
- Installed an anemometer on the city's fountain to adjust the flow rate and height of the spray to reduce excess water use on windy days.



2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



The Green Cities Challenge is a great opportunity to continue the City of Highland's efforts toward a more ecological way of life. We feel that these practices make our community a better and more sustainable place for our residents and guests to live, work and play!

Lucas Pinsker
Sports, Leisure and Facilities
Manager



is a program of:





Charlie Moody | Housing Inspector,
Sustainability Commission Staff Liaison
cmoody@maplewoodmo.gov | 314-449-4054
7601 Manchester Road, Maplewood, MO 63143
Population – 8,269
maplewoodmo.gov

2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Sustainability is not just about preserving our local environment; it's about creating a vibrant, resilient community for generations to come. The Green Cities Challenge has been instrumental in supporting Maplewood's efforts to demonstrate how sustainability can enhance livability and economic vitality. The Challenge provides a framework that helps us turn Green aspirations into tangible actions, fostering a culture of environmental stewardship throughout Maplewood.

Amber Withycombe
City Manager



is a program of:



ACCOMPLISHMENTS

- Partnered with MRH middle school students and Maplewood's Special Business District to revitalize a walkway in the Business District, creating a vibrant and sustainable public space.
- Hosted a document shredding and electronics recycling drive in partnership with St. Louis County and the City of Richmond Heights. We look forward to continuing next year with increased recycling capacity.
- Distributed 77 backyard composters at a reduced cost to Maplewood residents, thanks to a grant from St. Louis County Public Health Dept. This project promotes sustainability with organic waste and makes composting more accessible to our community.
- Initiated an electronic check paying system, to reduce paper checks usage.



INNOVATIONS

- Joined regional "No Mow April" campaign, with ordinance amended to temporarily allow tall vegetation; some parks and 83 residents participated.
- Sustainability Commission, in partnership with the Street Department, hosted an Arbor Day event for the 2024 PARC Passport project. The group planted six large trees along Manchester, south of the High School. Participants discussed the importance of trees and saplings were distributed.
- Placed a Ripple Glass recycling container in the Marietta Parking lot for use by businesses and residents.

ACCOMPLISHMENTS

- Established Green Team through Parks and Recreation Department, including staff, commissioners, and citizens.
- Developed a sustainability policy for the Parks and Recreation Department.
- Established no-idling and no-smoking policies for all parks, recreation areas, and Parks Department facilities.
- Provided sustainability education to residents through collaborations with Olivette in Bloom, Olivette Sustainability Advocates, Dark Sky International, Planting Shade, and Missouri Gateway Green Building Council.
- Reduced waste and single use plastics at Five Oaks on Warson through recycling, reusable dishware for meetings and events, eliminating Styrofoam, and access to paperless towels and composting collection for employees.
- Five Oaks on Warson and Olivette parks are designed to use 100% LED or high efficiency lighting.



INNOVATIONS

- 100% native plants and trees in new landscaping around Five Oaks on Warson.
- Engaged volunteers in extensive habitat restoration efforts in Stacy Park and Warson Park by removing honeysuckle, planting natives, and improving access to forest trails.
- Maintained certification of Stacy Park as an Urban Night Sky location, first certified in 2021. Process gave residents opportunities to learn about detrimental effects of light pollution and experience telescope viewing of Dark Skies, and promoted Lights Out Heartland.
- Warson Park parking lot constructed by reusing old paving as new pavement substrate.
- Partnered with Great Rivers Greenway and Forest ReLeaf to expand the Centennial Greenway and install over 2,000 native trees.

2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Our commitment to sustainability not only protects and improves the natural environments of city-owned parkland, it also contributes to a healthier, more resilient community. Reducing waste, conserving natural resources, restoring native habitats, and promoting Green practices, enhances quality of life for all our residents. Our operations contribute to cleaner air, healthier ecosystems, and long-term economic savings. Most importantly, we're building a legacy of environmental stewardship that will benefit generations to come.

Beverly Tucker Knight
 Director of Parks and
 Recreation



is a program of:



2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



Sustainability practices and policies that improve the livability of our community are supported by Richmond Heights Elected Officials and a majority of RH residents and businesses. It's a matter of researching best practices and taking the ongoing steps of education and action toward a more sustainable community.

Amy Hamilton
City Manager



is a program of:



ACCOMPLISHMENTS

- Provided continued recycling coaching for residents and internally strengthened education to increase employee recycling.
- Transitioned to Green Dining materials for THE HEIGHTS and city sponsored events.
- Replaced three of four water fountains/spittoons with bottle fillers at THE HEIGHTS.
- Began emphasis on Green Cleaning and facilities purchases.
- THE HEIGHTS switched to all Green Seal products.



INNOVATIONS

- Co-hosted a public Shred and E-Cycle event with City of Maplewood in March, cost-sharing for the two services.
- Council passed Grow Native Ordinance.
- Launched “No Mow April” educational campaign citywide. City Council authorized staff to pause lawn/weed height restriction enforcement for the month.
- Hosted a Compost 101 free seminar for the public in August.
- Third year for “Leave the Leaves” public educational campaign citywide.





Shawn Finnegan | Sustainability Coordinator
finnegans@webstergrovesmo.gov | 314-683-7634
4 E. Lockwood Avenue, Webster Groves, MO 63119
Population – 24,010
webstergrovesmo.gov

ACCOMPLISHMENTS

- Completed the city's first Greenhouse Gas Inventory to benchmark community and government's emissions.
- Facilitated another year of "No Mow April" and "Leave the Leaves" seasonal campaigns to educate and encourage residents to incorporate pollinator-friendly practices at home.
- Continued our public Eco-Education Series with six talks on topics ranging from building energy efficiency to watershed health.
- Recycled nearly 10 tons of glass via our Ripple Glass purple bin.
- Continued special recycling collection events including holiday string lights winter collection, electronics recycling summer drive, autumn Pumpkin Smash composting collection, and political yard sign recycling collection in November.
- Planted 105 trees in city parks.
- Transitioned three chainsaws, two leaf blowers and a hedge trimmer and line trimmer from gas to battery-powered tools.



INNOVATIONS

- Implemented a Green Dining Microgrant Program to support food service establishments lowering their environmental impact. All establishments achieving Green Dining Alliance certification are eligible for a grant of up to \$4,000 from the city. Since July three new businesses are now GDA certified!
- Applied for a federal municipal composting and food waste reduction grant with the U.S. Department of Agriculture to help implement a community composting program.
- Made the grant-funded Sustainability Coordinator a permanent city-funded position.
- Crafted holiday decorations for our business districts and city buildings from discarded pallets, barn wood, tomato cages and old hockey skates and hockey sticks.
- Purchased a new trash truck with lift-arm capability for the Parks Department that eliminates using plastic trash bags and reduces staff quadruple-handling trash.

2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



The City of Webster Groves recognizes that improving the health of our environment also improves the quality of life for our residents. Thank you to the St. Louis Green Cities Challenge for providing an avenue for us to learn and engage with resources as we strive to develop a more sustainable and resilient community for generations to come.

Laura Arnold
Mayor



is a program of:



2024 ST. LOUIS Green Business Challenge

GREEN CITIES CHALLENGE



At the City of Wentzville, sustainability isn't just an initiative; it's an ongoing commitment to preserving our community and environment for future generations. Annual recycling events actively reduce waste, and innovations like Smart Water Meters empower our residents to track and manage water usage, fostering community-wide water-saving awareness and practice. With community-focused conservation efforts, we are building a greener, more sustainable city.

Tina Miller
Customer Relations
Supervisor



is a program of:



ACCOMPLISHMENTS

- Led by the Wentzville Employee Committee, staff use of washable utensils at quarterly Low-Waste Luncheons has prevented 4,000+ plastic utensils from landfill disposal.
- In this seventh year, Wentzville's Electronics Recycling and Shredding Event had over 450 vehicles drop off 12,552 pounds of eWaste and 10,500 pounds of paper, bringing this event's total diversion to nearly 80 eWaste tons and over 26 tons of paper recycled.
- Parks and Recreation Dept. hosted a tree seminar where a speaker from Missouri Department of Conservation answered questions about advantages of native tree species. Tree care and invasive species control techniques were also discussed.



INNOVATIONS

- Stormwater Division hosted a seminar for officials, engineers and contractors addressing Wentzville's water quality regulations. Attendees took part in presentations, planning sessions and field reviews of stormwater management facilities.
- Opened a new Public Works Facility to support our growing community, consolidating water, street and fleet maintenance and other essential services in one site with features including an advanced stormwater detention system.



ACCOMPLISHMENTS

- Donated 55-gallon drums to parks and recreation departments of local cities for reuse.
- Started recycling at second location in St. Louis City.
- Expanded headquarters recycling to collect plastic bottles and sheet plastic.

INNOVATIONS

- Toured the Republic Services Material Recovery Facility to see first-hand how recycling works.
- Increased the number of recycle containers inside CK Power facilities.



2024 ST. LOUIS Green Business Challenge

APPRENTICE LEVEL



Since we implemented our recycling program, we have seen an increase in conversation and participation that can be directly attributed to internal company communication, posters and strategically placed recycling bins. We started with our Creve Coeur headquarters and have since expanded to our City of St Louis manufacturing facility.

Eric Rozwodowski
Division President



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



Participating in the St. Louis Green Business Challenge has provided a wide variety of opportunities for us to engage with other local businesses through the online and in-person sustainability centric events, and to collaborate with our internal teams using the program's resources as a guide and idea generator. This continues to be an enjoyable and educational process.

Tina Bailey
Senior Project Manager
Design and Construction

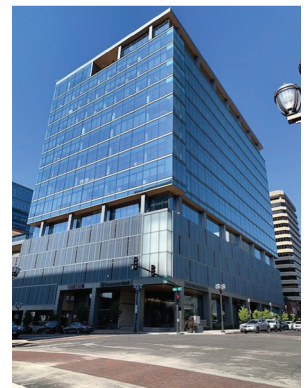


is a program of:



ACCOMPLISHMENTS

- Commerce Bank participated in the Challenge in earlier years, but post-pandemic our Green Team was small without much direction. Rejoining the Challenge gave our current Green Team members a lot of ideas to improve our sustainability initiatives and helped us bring in additional people. We started Challenge work mid-year, but now we have a framework to do more and be more involved in 2025.
- Green Team hosted Challenge manager Jean Ponzi for a lively virtual Lunch 'n Learn about Biophilic Design that engaged colleagues from around the company.



INNOVATIONS

- Setting up HVAC controls in Commerce Bank Tower building to allow tenants to modify building heating and cooling, as needed after hours, allows our facilities staff to turn off HVAC overall during evenings and weekends with the option for short-term use on certain floors. This kind of climate management saves energy and cuts costs while still supporting occupant comfort.
- Donated several large truckloads of furniture to multiple charitable organization for beneficial reuse, keeping our de-acquisition out of landfills.





Shannon Bone | Safety and Sustainability Manager
sbone@companionstl.com | 573-452-1433
2331 Schuetz Road, St. Louis, MO 63146
Owner – 45,000 ft²
www.companionbaking.com

ACCOMPLISHMENTS

- Expanded our Waste Watchers Committee (Green Team) to meet in evenings as well as office hours. This allows more employees to participate since we operate 24 hours a day.
- Diverting more types of materials from the landfill, including sending soft plastics and metal wickets from our bags to Federal Recycling.
- Finalized a Community Impact Report, published on our website.
- Donated 12,000 pounds of out-of-spec bread and pastry to local food banks and non-profit organizations.
- Joined 1% for the Planet by committing 1% of our annual sales starting in 2025 to support Feeding America, through the St. Louis Area Foodbank and ADM's Regenerative Agriculture Program.



INNOVATIONS

- Tracking and sharing company-wide Trash Efficiency, a measurement tool our owner created that compares our sales dollars to the pounds of trash we sent to the landfill each month.
- Set up a procedure for local organizations to come pick up all our used (but clean) 5-gallon buckets that we would otherwise send to landfill.
- Converted our trash compactor into compost-only by focusing on diverting more materials from landfill and prioritizing compost.
- Received a grant from St. Louis-Jefferson SWMD to purchase custom equipment that eliminated the need for parchment paper on most products.
- Enlisted help from Reduction in Motion, a waste consultant company from Baltimore, to help implement a color-coded waste container system and other training tools to communicate our sustainability goals.



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



I am excited to be a part of our Waste Watchers Committee because I want to save the planet, starting with the little things we do at this company.

Sanitation Team member of
Waste Waters Committee



is a program of:





Contemporary Art
Museum St. Louis

Tanya Darapiza | Assistant to the Director
tdarapiza@camstl.org | 314-535-5142
3750 Washington Boulevard, St. Louis, MO 63108
Owner – 27,200 ft²
www.camstl.org

2024 ST. LOUIS Green Business Challenge

APPRENTICE LEVEL



At the Contemporary Art Museum St. Louis, we are dedicated to fostering a sustainable future by integrating environmentally conscious practices, promoting social responsibility, and prioritizing economic viability. Through an interdepartmental Green Team, CAM implements sustainability initiatives to create a positive impact on the planet and communities we serve. Through collaboration, education, and continuous improvement, we aim to be a catalyst for change, inspiring others to join us in safeguarding our world for future generations.

CAM Green Team

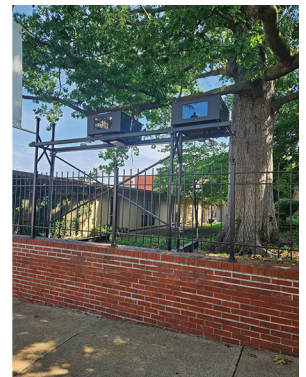
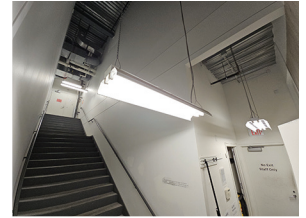


is a program of:



ACCOMPLISHMENTS

- LED light bulbs installed in all locations with extended lighting use—basement, library, and office—yielding up to 80% energy reduction.
- Frankenthaler Climate Initiative funding for sealing concrete and building envelope in FY25 secured and project completed.
- Waste and Recycling tracking added to Gas and Electric in ENERGY STAR Portfolio Manager.
- Streetviews Exhibition projectors have been replaced with energy efficient LED units.



INNOVATIONS

- Created a custom crafted Sustainability Statement.
- Established battery, electronic, and plastic bag recycling stations.
- Main office recycling wayfinding updated.
- All single use plastics are upgraded to compostable and recyclable materials.
- Learning and Engagement team is using recycled material on upcoming projects with teaching artist Adrienne Outlaw.
- Complying with updated Bizot Green Protocols for gallery temperature and humidity, to optimize energy efficiency.
- Museum bulk-purchases sustainable products for facilities, grounds, and office, improving efficiency in CAM's commitment to Green purchasing.



ACCOMPLISHMENTS

- Completed District Construction Guidelines.
- Hosted Tech Recycle Event that collected 9,000 lbs of material.
- Formed district-wide Green Team.
- Diverted 20,000 lbs of office furniture from landfill by organizing donations.
- Approved policy to fully reimburse restaurants in the Cortex District for their Green Dining Alliance certification fee.
- Secured Gateway Regional Environmental Fund (GREF) grant to consult with the biggest energy users in the district toward switching some or all of energy to a certified renewable energy source.



INNOVATIONS

- Advancing the Living Laboratories section of the district's Sustainability Action Plan, labs in 13 Cortex buildings are using a dashboard, developed by CannonDesign, to track energy usage and carbon emissions.
- Through work of a Wash U Gephart Fellowship intern, four Cortex labs are using International Sustainable Labs toolkit Labs2Zero interfaced with data benchmarked in ENERGY STAR Portfolio Manager.
- Conducted feasibility study for a district Biochar facility.
- Hosted Native Seed Propagation workshop, first in three-part series.
- RESLA EV Rental Partnership operating in North Silo Parking Lot.
- Hosting Community Composting drop-off site for New Earth Farms.



2024 ST. LOUIS
Green Business Challenge

Green Business Challenge

CHAMPION LEVEL

“

The Green Team at Cortex is an example of the district's power to convene, allowing sustainability advocates from entities large and small within the district to weigh in on sustainable initiatives, and fostering collaboration for collective change.

Ben Daugherty
Operations and Sustainability
Project Manager



ST. LOUIS™
GREEN BUSINESS
CHALLENGE

15 YEARS | **SUSTAINABLY
STRONG**

is a program of:

 MISSOURI BOTANICAL GARDEN

2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



Each year, we strive to build on our successes. Supported by the St. Louis Green Business Challenge, we are eager to engage with our community to implement better sustainability practices. At Curium, we are dedicated to minimizing our environmental impact for the benefit of both our employees and the communities we serve.

Tiffany Carr
Environmental Health and
Safety Specialist



is a program of:



CHAMPION INNOVATION PROJECT *Composting Used Coffee Grounds*

MEASURABLE ELEMENTS

- Tracking the amount of used coffee grounds collected from four (4) collection points at Maryland Heights facility over two (2) months to assess participation and effectiveness. Collected 228 lbs during project period.
- Measuring the volume or weight of compost generated from the coffee grounds to evaluate the project's output.
- Conducting surveys to gather employee feedback on the project's impact on workplace culture and sustainability awareness.



QUALITATIVE ELEMENTS

- Observing positive changes in employee attitudes and enthusiasm towards sustainability initiatives, fostering a sense of community and shared purpose.
- Evaluating increases in sustainability knowledge among employees, including their understanding of composting process and environmental benefits.
- Collecting anecdotal evidence of new ideas or initiatives sparked by the project, showcasing creativity and innovation within the project team and with employees overall.



**CLOTHING DRIVE
ORGANIZED BY
CURIUM WOMEN'S
NETWORK**

Over 100 professional attire items were donated by the Curium employees at Maryland Heights & Westport to support

DRESS FOR SUCCESS®
MIDWEST

The mission of Dress for Success is to empower women to achieve economic independence by providing a network of support, professional attire and the development tools to help women thrive in work and in life.

CURIUM™
LIFE FORWARD

CWN

Empowering Women.
Celebrating Diversity.
Thriving Together.



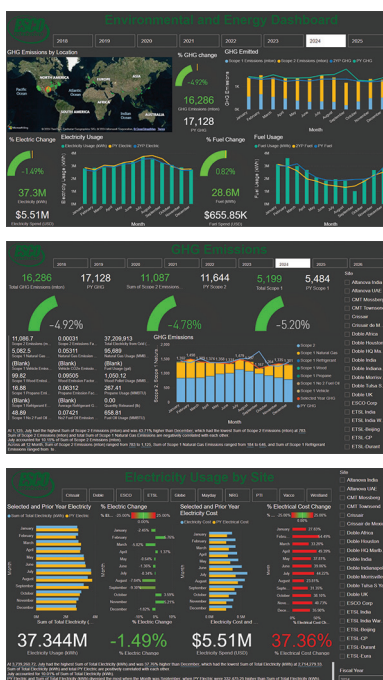
Justin Prien | Director of Environmental, Health and Safety
jprien@escotechnologies.com | 314-213-7263
9900 A Clayton Road, St. Louis, MO 63124
Tenant – 21,500 ft²
www.escotechnologies.com

CHAMPION INNOVATION PROJECT

Environmental and Energy Dashboard

MEASURABLE ELEMENTS

- Automatically downloaded and processed over 1,400 utility invoices in the first six months of operation.
- Doubled the number of accounts being automatically downloaded from 67 to 139.
- Reduced the annual cost to gather data and produce the organization's environmental footprint ~\$5,000 in the first year, projecting ~\$20,000 in future years.
- Gave all locations within the organization visibility of GHG calculations and emissions and the corresponding energy usage and cost.
- Allowed each location to determine their contribution to total GHG emissions and utility costs.



QUALITATIVE ELEMENTS

- Dashboard creates a direct link between utility costs and GHG emissions to encourage energy efficiency measures that can decrease costs and GHG emissions.
- Created transparent access to usage and emission factors to facilitate validation and auditing of data to evaluate its accuracy.
- Reduced time and effort required to gather and process utility data through use of a dedicated utility data collection system.



2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



ESCO Technologies is proud to have participated in the St. Louis Green Business Challenge again in 2024. Our project this year gave the entire organization visible access to our environmental footprint, utility usage and utility costs and their interactions. Focusing attention on how reducing utility usage decreases both cost and our environmental footprint produces justification for future energy efficiency projects.

Justin Prien
Director of Environmental,
Health and Safety



is a program of:





FOCAL POINTE

Cody Azotea | Account Manager
 cazotea@yourfocalpointe.com | 618-540-9593
 1921 Ravinia Drive, Caseyville, IL 62232
 Owner – 27,500 ft²; Tenant – 9,000 ft²
 www.yourfocalpointe.com

2024 ST. LOUIS
 Green Business Challenge

**LEADER
 LEVEL**



I think the Green Business Challenge reflects my philosophy on sustainable success, which makes it hard to measure. Success, and green initiatives, aren't one-off shiny events to highlight for a moment. Rather, any sustainable, lasting progress is the result of repetitive, incremental improvements. For that reason, I'm very proud of the Focal Pointe team for humbly staying the course, not for the recognition, but because of the Purpose we have built within Focal Pointe. Our team aspires to help the world celebrate the harmony between people and nature, and I couldn't be more proud.

John E. Munie
 President



is a program of:



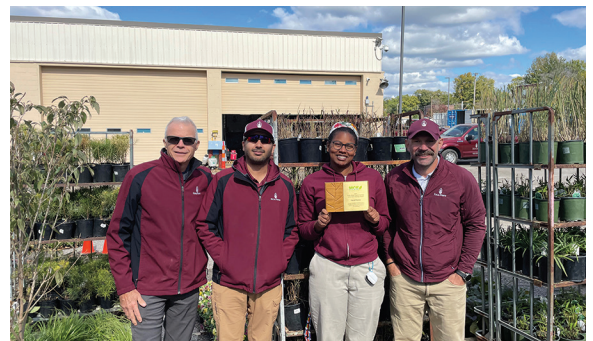
ACCOMPLISHMENTS

- Installed 46,148 plants this year with 65% representing native plants and 180 different native species.
- Green infrastructure installed: 3 green roofs, 10 biobasins, and over 10,000 ft² of permeable paving.
- Collaborated with Landscape and Nursery Association of Greater St. Louis to remove invasive species and overgrowth from graves at Washington Park Cemetery.
- WashU branch office converted to 100% recycled office paper.



INNOVATIONS

- Converted 16 acres of old parking lots, building sites and turf grass to a reconstructed native prairie. This project received a silver award for Erosion Control/ Ecological Restoration from the National Association of Landscape Professionals.
- Converted 188 irrigation clocks to Weathermatic smart controllers with an estimated 20% water savings for St. Louis businesses.
- Installed 14 nature inspired playscapes and outdoor classrooms for local schools.
- Honored by Missouri Coalition for the Environment with Ralph Wafer Environmentally Sustainable Business Award for native plant installations and educating our team members on the benefits and maintenance of native plants.
- Three Focal Pointe team members hold *Grow Native!* Professional Certification.



CHAMPION INNOVATION PROJECT

Graybar and ESG

MEASURABLE ELEMENTS

- Two recycling balers at Cincinnati Service Center recovered 3,665 lbs of cardboard and 700 lbs of shrink wrap in first nine months of 2024.
- Los Angeles Distribution Center (238,148 ft², 51 employees, 28 fleet delivery vehicles) installed Level 3 Blink EV chargers (30kW and 240kW) to turn EVs quickly during business hours, including two GM Silverado trucks, two GM BrightDrop vans and a Peterbilt van.
- Completed “California 2035” plans to electrify all delivery vehicles at our Los Angeles Distribution Center. Formal quotes and budget are still in development.
- At Dallas Branch Warehouse, installed Blink 30kW charger and purchased GM BrightDrop delivery van.
- On track to update to LED fixtures at Graybar’s 23 leased and owned California facilities to conform with CA Law “AB 2208” that phases out fluorescent lamp sales by January 1, 2025.



QUALITATIVE ELEMENTS

- Graybar’s ESG focus begins with our customers. ESG principles defined our business approach long before ESG entered the business lexicon. Products and services contribute to environmental sustainability by saving energy, reducing waste, and improving efficiency.
- Marketing campaigns increasingly feature renewable energy solutions, evolving based upon grid electrification and customer needs.
- Nationwide teams of energy experts are trained on the latest solutions to help customers reduce operational carbon footprints.
- Our business operations use the same energy-saving solutions provided to customers to improve sustainability performance.
- Graybar is a Green Vanguard Champion, supporting the Challenge as Presenting Sponsor and participant through all 15 program years.

2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



The St. Louis Green Business Challenge continues to drive our sustainability efforts as we work to help our customers save energy, reduce waste and improve efficiency. We also continue to expand our focus in renewables and clean energy solutions to meet the needs of our customers.

Mike Arceneaux
Corporate Director
Real Estate Development



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



Becoming more sustainable is a priority for us at Growing Green. The Green Business Challenge has pushed us to explore new ways to cut waste and commit to more environmentally friendly practices. By making sustainability a focus, we're supporting our team, clients, community and planet.

Jodi Stumpf
Director of Operations



is a program of:



ACCOMPLISHMENTS

- Indoor Plant Week visits to existing and potential clients educated them on plant benefits for working environments and the difference between living plants vs faux plants in the workspace.
- Growing Green strives to reuse and repurpose holiday decor and ornaments. When this can no longer be done for our client work, we donate still-useful items to partner charities.
- Green Team members attended a Sustainability Tradeshow to explore sustainable and compostable office material options.



INNOVATIONS

- New solar paneled work van reduces our carbon footprint as we can run electrical equipment for four of eight hours in a working day.
- Now using sustainable toilet paper and compostable kitchen towels. We offer compostable and recyclable take away containers for our traveling crew and kitchenware for in-office staff.
- Repurposing and returning certain containers to our plant vendors for reuse where possible.



GOING GREEN!

Growing Green is committed to improving the environment in our own and in our client's facilities.

HOW WE STAY 'GREEN' ALL YEAR:

- Donate unused holiday trees and wreaths to local charities.
- Schedule service routes to maximize efficiency and save fuel.
- Testing solar-powered water pumps for our watering vehicles.
- Transitioning from gas-powered tools/equipment to electric-powered.
- Compost to cut down on waste.
- Use biological controls such as beneficial insects & insecticidal soaps when possible to reduce the use of synthetic chemicals.
- Make every effort to "buy local".
- Continually train staff about our environmental efforts and the importance of 100% participation
- Exceed all environmental legislation related to our business.



LIVE INTERIOR PLANTS ARE CONSIDERED BETTER FOR YOU AND YOUR ENVIRONMENT THAN FAKE PLANTS FOR SEVERAL REASONS

AIR PURIFICATION:
Live plants actively absorb carbon dioxide and release oxygen through photosynthesis. This process helps improve indoor air quality by reducing the levels of pollutants such as formaldehyde, benzene, and trichloroethylene. This can lead to a healthier living environment and may reduce the risk of respiratory issues and allergies.

HUMIDITY REGULATION:
Some live plants naturally release moisture into the air through a process called transpiration. This can help regulate indoor humidity levels and create a more comfortable living space, especially in dry environments or during the winter months when indoor air tends to be drier.

MENTAL WELL-BEING:
Being around live plants can have a positive effect on mental health and well-being. Studies have shown that having LIVING greenery indoors can reduce stress, anxiety, and even improve concentration and productivity. The presence of live plants can create a more calming and relaxing atmosphere in your home.

CONNECTION WITH NATURE:
Having live plants indoors allows you to connect with nature on a daily basis. Observing their growth can provide a sense of connection and bring a touch of the natural world into your living space.



ACCOMPLISHMENTS

- Offset paper usage by reforesting 1,320 trees through partnership with PrintReleaf.
- Updated Vendor Code of Conduct to include a section dedicated to sustainability.
- Enhanced sustainability website to provide Economic, Environmental and Social benefits for each product category.



INNOVATIONS

- Partnered with Assent Compliance to survey and assess our vendors in relation to ESG.
- Transitioned printing to utilize Sustana Enviro Print paper, which is FSC certified and manufactured using Biogas instead of fossil fuels.
- Proactively presenting company Sustainability Initiatives with customers globally.



2024 ST. LOUIS Green Business Challenge

**CHAMPION
LEVEL**



2024 provided another year of enhancements for Hunter Engineering's sustainability efforts. More of our customers are inquiring about our company sustainability practices, and we're able to highlight our initiatives and celebrate our proactive approach as a company.

Chip Hiemenz
Vice President
Key Accounts

Hunter Equipment Provides Sustainable Solutions

HawkEye Elite®

Economic Benefits

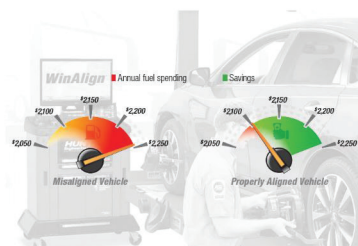
- ✓ Vehicle with alignment conditions can suffer a decrease in fuel efficiency by up to 7%. (U.S. Environmental Protection Agency)
- ✓ Proper alignment prolongs tire life. A vehicle out of alignment can result in premature tire wear.

Proper Alignment Maximizes Fuel Economy

Based on properly aligned vehicle traveling 15,000 miles/year with an average of 25 miles/gallon at \$3.50/gallon.

Environmental Benefits

Social Benefits



Hunter Sustainability

Facilities | Printing | Manufacturing | Transportation | Products | Green Initiative | View Report



Energy Efficiency

- ✓ Solar energy system installed generating up to 1Kw of power (2022).
- ✓ Created HVAC schedules reducing energy usage by 15% using a programmable thermostat (2020).
- ✓ New office design featuring occupancy sensors, LED lighting resulting in 35,000+ watts of energy savings (2019).
- ✓ Reduced server and PC usage into virtual host sites decreasing energy consumption by 2.5 million kWh annually (since 2018).
- ✓ Reduced energy consumption 20%+ by replacing air compressor units with variable frequency drives (VFDs) (since 2014).
- ✓ Increased lighting quality and intensity at workstations by 60% with efficient T5 fluorescent lights (since 2014).
- ✓ Tank-less on-demand hot water heaters in break rooms and restrooms have resulted in energy savings between 45-60% (since 2014).



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



In 2024, the Green Business Challenge has provided Keeley Construction with valuable insights into adopting a more sustainable approach to operations and project execution. Keeley is excited to continue making progress toward reducing waste and energy consumption in 2025 and beyond.

Casey Delaney
Director of Business
Development



is a program of:



ACCOMPLISHMENTS

- Keeley Green, the seventh cultural pillar of Keeley companies, was launched last year to give our people—our most important asset—the sustainability tools and resources they need to grow, both personally and professionally.
- Added our company-wide sustainability mission to Keeley website.
- Building our Green Team this year, discussions are raising employee engagement and interest, especially in waste minimization and energy issues.



INNOVATIONS

- Employees planted trees at North Spring Head Start Center.
- Hosted four sustainability-focused Keeley U employee learning sessions:
 - › Geeking Out on Trees, presented by Forest ReLEAF;
 - › Bringing High Performance Building Envelopes Home, presented by Keeley VP Matt Muller and Derek Maschek, Director of Design;
 - › Intro to the WELL Building Standard, presented by Keeley staff;
 - › Minding the Gaps – a Tech Review of High Performance Building Envelopes, presented by GRW Engineering.



ACCOMPLISHMENTS

- Exceeded 5,000, our distribution goal for Clean Communities Litter Mitigation Tool Kit, providing Madison County residents with supplies and coordination to keep the county litter-free and beautiful.
- Special waste recycling collection events removed over 120,000 lbs of eWaste and over 90,000 lbs of hazardous waste from landfill waste streams in 2024.
- Expanded Tire Recycling for public-facing departments, municipalities, and townships. Highest participation rates in department history: 36 participating municipalities collected 99 truckloads of scrap tires.



INNOVATIONS

- Built robust social media campaign promoting all facets of recycling education via infographics and fun facts, reaching thousands of county residents and educators.
- Madison County Green Schools Program is now providing innovative scholarships to county schools by working with the ROE and local organizations to set up Professional Development curriculum addressing Food Waste Reduction and Composting.
- Substantially increased the number of participating Green Schools to 54, nearly half of all schools in the county, while also enhancing outreach to local organizations, advocating for their support of Green Schools activities.
- Supporting participation by county communities in Green Cities Challenge for 10th consecutive year.



2024 ST. LOUIS Green Business Challenge

CHAMPION LEVEL



Madison County Building & Zoning continues its strong record of service to our community. With the guidance of the Green Business Challenge and through our robust recycling programs, environmental grants, and newly revamped Green Schools Program, we continue our dedication to a prosperous and sustainable future.

Brandon Banks
Resource Management
Coordinator



is a program of:



2024 ST. LOUIS Green Business Challenge

LEADER LEVEL



As part of the Mallinckrodt Green Team, I like participating in the St. Louis Green Business Challenge because it brings our commitment to sustainability to life. We've enjoyed learning new ways to make a positive impact, both at work and in our personal lives. It's a great opportunity to learn, grow, and contribute to a greener future together.

Larissa Hautekeete
Senior Drug Safety Specialist



is a program of:



ACCOMPLISHMENTS

- Webster Groves site Green Team sponsored multiple employee education events on plastic recycling, including Plastic Free July, "My Week in Plastics" Lunch & Learn, and Greening the Holidays.
- Continued cultivating Webster Groves site garden, distributing vegetables and herbs to employees.
- Hosted Earth Day 2024 activities:
 - › Keynote Speaker Event with Dr. Sarah Gordon on climate change impacts and actionable steps.
 - › Earth Day Newsletter themed "Plastic versus Planet," highlighting plastic pollution and Mallinckrodt's sustainability initiatives.
 - › Site events including clean ups, sustainable cafeteria menus, and eco-friendly giveaways.
- Conducted an energy audit of City of St. Louis manufacturing facility and formed a working group for sustainability-related sourcing opportunities.



INNOVATIONS

- Employees volunteered with Forest Park Forever, Missouri Stream Team, and served as Zero-Waste Ambassadors at Missouri Botanical Garden.
- Initiated a project to install EV charging stations at Webster Groves site.
- Activated Eco-Friendly alerts in purchasing catalogs to encourage sustainable product choices.
- At the Hazelwood site:
 - › Began ordering 100% recycled paper products.
 - › Reduced weekly mowing area, 35 to 20 acres, cutting total mower hours by 18%.
 - › Turned off campus irrigation system, saving an estimated 3.5 to 4 million gallons of water during the summer months.
 - › Hosted Missouri Botanical Garden staff for a biodiversity brainstorming session.



ACCOMPLISHMENTS

- Partnered with MRC in May to host our annual Electronics Recycling drive for Maritz employees and Fenton residents. Diverted 14,000 pounds of eWaste from landfills.
- As part of the Maritz IT Services project Cloud Next, closed the Maumee, OH data center, and recycled 3.5 tons of scrap and 660 pounds of copper wire.
- Hosted an employee Lunch & Learn on Missouri Bats, presented by State Bat Ecologist Shelly Coltskie from Missouri Department of Conservation.
- Maritz Green Team hosted our annual Green Vendor Fair and Showcase, welcoming over 25 vendors and internal groups to demonstrate their sustainable products, innovations, and accomplishments.



INNOVATIONS

- Maritz Eco Edge, an internal awareness campaign designed to promote sustainable event practices across our organization, works to educate, inspire and drive meaningful change toward more eco-friendly behaviors in our events.
- In partnership with Ameren, REACH, and Maritz Automotive Solutions, the Maritz Green Team hosted an EV Ride & Drive event that let 95 employee and tenant participants test-drive the latest EV models.
- Hosted a special Challenge event, *Sustainability in Action – A Vision for Greening Business Events*, with 45 guests representing 30 companies. Attendees learned about Maritz' sustainability journey from our GM for Environmental Strategy, Rachel Riggs; heard from a panel representing CITYPARK, ESG Advisory, Explore St. Louis, Missouri Botanical Garden and Maritz Business Event Solutions; and enjoyed Happy Hour networking.
- Maritz is a Green Vanguard Champion, participating in all 15 Challenge years.



Sustainability In Action: A Vision for Greening Business Events

Presented by Maritz

September 26, 2024
 4:00 – 6:00pm
 Maritz campus, Burton Theater
 1355 North Highway Dr, 63099

Join Maritz and the St. Louis Green Business Challenge for a two-part education session that explores how Maritz elevated their sustainability vision into an impactful environmental strategy, and how St. Louis businesses can be a driving force behind cutting-edge innovations to elevate their business and how humans connect in the future.

Discover Maritz's sustainability journey, from inception to impact. Explore their comprehensive approach, effective integration across all levels, and how it accelerates business growth and supports their customer's sustainability journeys from **GM - Environmental Strategy, Rachel Riggs.**

Our panel, inspired by Riggs' presentation, will delve into event sustainability and explore how the entire event ecosystem can contribute to designing more sustainable events. Panel members include experts from **STL CITY SC, Missouri Botanical Garden, Ameren & Marcell, and Maritz.**

PROGRAM

- ✓ 4:00 - 4:30 PM
Registration & Networking
- ✓ 4:30 - 5:30 PM
Presentation by Rachel Riggs of Maritz plus panel discussion
- ✓ 5:30 - 6:00 PM
Happy Hour Mingle hosted by Maritz

REGISTRATION REQUIRED

2024 ST. LOUIS Green Business Challenge

**CHAMPION
LEVEL**



The Maritz sustainability journey has been driven by our commitment to being a responsible company and supporting our clients in achieving their sustainability goals. As we move forward, achieving goals for ourselves and our clients will require a collective effort. Support from the St. Louis Green Business Challenge is crucial in driving these objectives.

Rachel Riggs
GM, Environmental Strategy



is a program of:





BI-STATE
DEVELOPMENT

Matthew Fernandes | Consumer Engagement Specialist –
Community Programs
mjfernandes@bistatedev.org | 314-982-1455
211 North Broadway, St. Louis, MO 63102
Six Main Facilities
www.metrostlouis.org

2024 ST. LOUIS Green Business Challenge

LEADER
LEVEL



Bi-State Development's participation in the Green Business Challenge goes hand in hand with our mission to improve the quality of life in our community. We continue to make investments to strengthen sustainability of our operations and our facilities, upgrade our transit fleet with new low- and zero-emission vehicles, and adopt new technology that helps us deliver environmental and economic benefits to the entire St. Louis region.

Taulby Roach
President & CEO
Bi-State Development
which operates Metro Transit



is a program of:



ACCOMPLISHMENTS

- Relaunched the Green Team with a special company-wide Lunch & Learn with climate change guest speaker Jean Ponzi.
- As sponsor of the annual St. Louis Earth Day Festival, met St. Louis' sustainability community at the Muny in Forest Park. With our clean and green electric MetroBus as vivid backdrop, staff in Metro's booth enjoyed engaging the crowds, spreading the transit gospel and handing out fun giveaways.
- Completed initial planning for the Green Line, a proposed 5.6-mile, north-south MetroLink expansion route to run along Jefferson Avenue between Chippewa Street and Natural Bridge Avenue.



INNOVATIONS

- Formalized a contract to acquire 55 high-floor MetroLink vehicles with battery onboard energy storage. The batteries will enable up to five miles of off-wire operation.
- Awarded over \$10 million by the FTA through its Low-and-No-Emission (Low-No) Vehicle program. This funding will enhance MetroBus service and improve air quality in the bi-state region through purchase of new American-made hybrid diesel-electric buses.
- Partnered with Ameren Missouri to power our fleet of 24 electric buses out of the Brentwood garage, which is powered by a nearby substation featuring smart technology including automated sensors, switches and self-healing equipment.
- Metro Transit achieved a sustainability milestone, marking 1.5 million miles traveled for its battery-electric bus fleet.



ACCOMPLISHMENTS

- Multi-site Electronics Recycling Event held for employees resulting in over 7,400 lbs of equipment recycled.
- Began an internal recycling program for batteries, bulbs and printer toner that recycled over 600 lbs of materials in one month alone.
- Continued an initiative to eliminate cafeteria plastics throughout our facilities, switching to reusable dishes and removing plastic bottles from vending machines
- Totaled over 3 million kWh saved from projects in 2024 alone.
- Matched 100% of our purchased electricity with renewable energy.



INNOVATIONS

- Completed HVAC Controls Project at Laclede facility, reducing continuous air flows on supply/exhaust ducts covering 18 labs, 5 fume hoods, and multiple bio safety cabinets. Energy savings total ~400,000 kWh annually, with 16 tons annual CO2 emission reduction.
- LED Lighting Upgrade at Dekalb facility yields over 1,000,000 kWh in annual energy savings.
- Warehouse LED Lighting Upgrade at Broadway facility results in over 124,000 kWh energy savings.
- LED Lighting Upgrade at Ewing facility yields over 300,000 kWh energy savings
- Replacement of old compressed air system with a new oil-free VSD highly efficient compressor system at Cherokee facility resulted in over 400,000 kWh energy savings.
- Won the 2024 Green Business Challenge at Champion Level!

2024 ST. LOUIS Green Business Challenge

**CHAMPION
LEVEL**



At MilliporeSigma, the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany, we are deeply committed to embedding sustainability across our global operations. In St. Louis, we are proud of initiatives such as EDISON, our energy and water efficiency program. Through a culture of continuous improvement enriched by employee ideas, we continue to make progress toward our goal of climate neutrality across our entire value chain by 2040, covering Scope 1, 2 and 3 greenhouse gas emissions.

Skyler Goldman
EHS Manager



is a program of:



2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



We are excited to reinforce Environmental Stewardship, one of American Water's core values, with the replacement of this key facility needed to supply safe and reliable water to our customers in South St. Louis County.

Mattie Zautner
Staff Engineer



is a program of:



CHAMPION INNOVATION PROJECT

South Water Treatment Plant Intake System Replacement Project

MEASURABLE ELEMENTS

- Pump motors and electrical equipment are being installed nearly 10 ft above record flood elevation.
- Dedicated flow meter installed on each of six new intake pumps to track pump efficiency.
- Automated water flushing and air burst cleaning for intake screens and basins.
- Three vibration sensors installed on each pump help identify problems with pump operation and improve operational efficiency.



QUALITATIVE ELEMENTS

- Standby emergency power added to improve facility resiliency and reliability.
- Boosting efficiency while replacing aging equipment.
- Improved site access, especially for large vehicles.

CHAMPION INNOVATION PROJECT

Doing Green Business Better Through Collaboration

MEASURABLE ELEMENTS

- Internal: ProShred staff event collected 1.35 tons of paper equivalent to 23 trees, 5,535 kWh energy, and 81 lbs pollutants diverted. Expanded efforts with Science & Conservation, Sustainability and Education divisions to promote climate change research and outreach.
- Partners: Donated nearly 8,000 plastic pots to UMSL for reuse in 60th anniversary planting project. Hosted 161 attendees for Living Earth Collaborative Biodiversity Symposium combining minds from 53 organizations.
- Public: Increased food waste compost collection at major events. EV station usage predicts 30% increase in kg GHG saving.
- Planet: Garden Scientist Charlotte Taylor has described more new plant species than any woman alive, 500 in 40 years. Over 7.8 million specimens make our herbarium one of the largest in U.S.



QUALITATIVE ELEMENTS

- Internal: Increased staff participation in Green Team with new subcommittee focus on communications, employee engagement, and buildings/sustainable operations. Facility Support staff received Green Seal training for the first time.
- Partners: Established new partnerships for insect DNA barcoding to access climate impacts. Outdoor Youth/Leadership Corps active in several new locations for removing invasive species and increasing native plantings.
- Public: Secured Crush It Crusade grant to enhance Zero Waste Ambassador program for Garden events. 2023 Sustainability Metrics Report approved for use as a public-facing document.
- Planet: Bertha Pfautch Annex earns ENERGY STAR certification. Completed 2023 Greenhouse Gas Inventory, adding commuting data in Scope 3.
- The Garden is a Green Vanguard Champion, as both proud participant and home ground of the Challenge for all 15 program years.

2024 ST. LOUIS
 Green Business Challenge

CHAMPION INNOVATION PROJECT



We all certainly get more done when we work together, and this year we focused on collaboration to prove that principle. We sought internal paths, with staff and within our multiple divisions, and externally, with partners and the public. All efforts at the Missouri Botanical Garden aim to improve conditions for plants and the planet. This was a great year working with so many constituents to expand the Garden's connections and impacts, to advance sustainability and fight climate change both internally and within our community.

Glenda Abney
 Vice President, Sustainability



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



The Challenge has fueled our Green Team's excitement to revitalize underutilized courtyards for guests and employees to enjoy, sprinkling in native plants and creating continuity across landscape designs for our North Plaza and South Lawn.

Rachel Greathouse
David Lobbig Coordinator of Sustainability

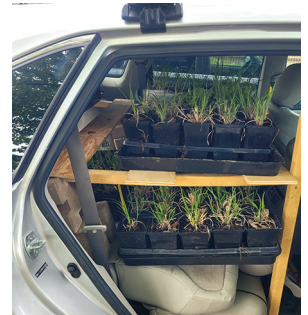


is a program of:



ACCOMPLISHMENTS

- Beautifying East Courtyard with 150 native plants, leveling pavers and stabilizing handrails, power washing, tree trimming and adding mulch and drip irrigation.
- Clothing Swap for staff to exchange clothes included a drop-off bin to recycle textiles; 1,000 pounds were swapped or recycled.
- Developed Employee Waste Training for new hires to cover waste minimization protocols.
- Ever-increasing usage of our six Electric Vehicle charging stations: over 3,600 charging sessions since January 2024.
- Many, many, many items recycled, donated, reused: temporary mobile walls, gift shop display cases, metal lockers, museum glass panes, pews and more.



INNOVATIONS

- Provided a Home Energy Audit Checklist for employees, challenging our MHS community to reduce personal energy usage. We kicked off this program on October 1, in hopes of also boosting workplace attention to energy efficiency. Activity challenges along the way include an electronics recycling drive and clothing swap, and encouragement to participate in utility rebate programs.
- Received grants for beautification from Spire, Missouri Department of Conservation, and Wild Ones St. Louis Chapter.
- Hosted tour of LEED Gold Certified Soldier's Memorial Military Museum for MO Gateway Green Building Council.





Greg Cooksey | Sr. Director Business Development
& Compliance Officer
greg@midwrc.net | 314-602-0079
3751 Old State Road M, Imperial, MO 63052
Owner – 106,000 ft²
www.mrcrecycling.net

CHAMPION INNOVATION PROJECT

E-Waste Collection Events

MEASURABLE ELEMENTS

- Hosted 90 events, 68 in Imperial/St. Louis area and 22 in Kansas City area.
- Collected and responsibly recycled 1,500 CRT TV units.
- Collected and safely processed 776 freon-containing units.
- Collected and recycled 2,028 printer units.
- Total weight collected: 1,014,230 lbs of e-waste diverted from landfills.



QUALITATIVE ELEMENTS

- MRC E-Waste collection events foster strong community involvement, providing residents with accessible and responsible disposal options for electronic waste.
- By diverting hazardous materials from landfills, these events contribute to cleaner, healthier environments and reduce pollution risks.
- Through host partnerships, each event serves as a public education opportunity, demonstrating proper E-Waste recycling and its positive sustainability impacts.
- Collaborating with local governments and organizations strengthens relationships and promotes a shared commitment to sustainability.
- Community-wide, convenient and affordable service enhances MRC's reputation as a trusted partner in regional environmental stewardship and sustainability efforts.



2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



The opportunities we have to serve communities with convenient, affordable and responsible E-Waste recycling enhance MRC's reputation as a trusted partner in regional environmental stewardship and sustainability efforts. We appreciate how Green Business Challenge connections help us maintain and grow our service capacity.

Greg Cooksey
Sr. Director
Business Development
& Compliance Officer



is a program of:





Kelsey Helms | HR Generalist
khelms@mtm-inc.net | 636-695-5569
16 Hawk Ridge Circle, Lake St. Louis, MO 63367
Owner – 42,148 ft²
www.mtm-inc.net

2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



At MTM and MTM Transit, sustainability is not just a goal, it's an integral part of our operations and culture. Participation in challenges like Earth Month and Plastic-Free July empowers our team to take actionable steps toward a greener future, while initiatives like expanding our hybrid fleet and reducing paper waste demonstrate our long-term commitment to protecting the environment. Together, we're making a meaningful impact and helping to build a more sustainable world for future generations.

Alaina Macia
President and CEO



is a program of:



CHAMPION INNOVATION PROJECT

MTM's Commitment to the Planet

MEASURABLE ELEMENTS

- Added hybrid and/or electric vehicles to our Transit operations, now totaling 240, and covering 2.86 million “green” miles by end of 2024. This will save 108,540 gallons of fuel and reduce CO2 emissions by 1,025 metric tons.
- Employees nationwide joined Earth Month and Plastic-Free July challenges; 90 participants achieved:
 - › 615+ pieces of litter collected.
 - › Use of 400+ plastic bottles and 275 straws and plastic bags avoided.
 - › 260 gallons of water usage reduced by modifying hygiene and cleaning habits.
 - › 6,215 hours spent outdoors.
 - › Three trees planted.
 - › 30 pounds of organic waste composted.
 - › 15 public officials contacted about green issues.
 - › 1,300 minutes spent learning about green initiatives.

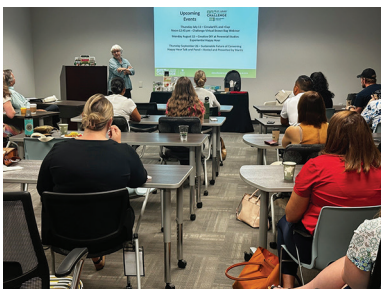


QUALITATIVE ELEMENTS

- Hosted two Lunch & Learns for employees nationwide. Jean Ponzi from Missouri Botanical Garden gave an ecological talk on plants, *Invasive? Native? Exotic?* Thomas Demerath, aka Planet MC, shared his project *How Green is Your School?* and Planet Pledge Program, and taught his middle school students music and environmental stewardship.
- New software reduced paper waste in our Americans with Disabilities Act (ADA) application process, vehicle inspections, and accident reports.
- Enhanced recycling of metals, lubricants, and paper at nationwide Transit locations, through partnerships with local vendors.
- Added two EV charging stations, reusable mugs/cups/bottles, and biophilia at our third St. Louis area office, located in the Grove.

ACCOMPLISHMENTS

- Continually seeking efficiencies in current sustainable practices, we make strides to ensure they can be efficiently maintained, so that employees can manage them long term.
- Hosted a Challenge seminar focused on Green Purchasing. OE staff and special guest from U.S. EPA presented best practices for responsible, sustainable purchasing.
- Participated in Washington University Supplier Fair, an opportunity to showcase our sustainable and diverse manufactured line of products.



INNOVATIONS

- OE's corrugated box supplier takes manufacturer overruns and misprints and reassembles the containers with printing inside the box for reuse vs. landfill.
- Toner cartridge recycling service to OE customers partners with Liberty Laser Solutions, one of the largest toner recyclers. Reusable components from an OEM cartridge are rebuilt to original cartridge standards, reducing cartridge purchases and diverting plastic cores from the landfill.
- Eco friendly purchasing advice is offered to customers at no charge, including but not limited to sustainable alternatives for currently purchased items, and recycling location and sorting intel. This service also lets OE spotlight smaller, local sustainable sourcing options.
- Provided detailed industry updates and insights for a printer/toner cartridge recycling report for the Missouri Botanical Garden blog, Discover + Share.



2024 ST. LOUIS
Green Business Challenge

**CHAMPION
LEVEL**



At Office Essentials, we are proud to be an employee-first company, where our people are the ambassadors of growth and change. Through the Green Business Challenge, we empower our team to lead sustainability efforts that benefit not only our workplace but also the businesses we partner with in our community, driving a positive environmental impact and smarter business practices for everyone involved.

Kate Dougherty
President of Office Essentials



is a program of:



2024 ST. LOUIS Green Business Challenge

APPRENTICE LEVEL



The Green Business Challenge is a unique opportunity for St. Louis to collaborate and build momentum for a more sustainable region. I value the opportunity to learn from other organizations' successes and challenges, as we work to strengthen Perennial's impact. Plus, it's fun!

Katie Carpenter
Executive Director



is a program of:



ACCOMPLISHMENTS

- Staff field trip explored the Goodwill Outlet Bins, a great resource for salvaged supplies.
- Presented at first St. Louis Circularity Symposium, bringing awareness to the importance and benefits of a circular economy.
- Transitioned to electronic class rosters to reduce printing.



INNOVATIONS

- Hosted an interactive Repair Station at the St. Louis Earth Day Festival.
- Partnered with another great non-profit, Urban Harvest STL, to provide how-to workshops on building DIY garden beds and cold frames.
- Transformed discarded furniture into one-of-a-kind pieces of art at the ReDesign Showcase.
- Hosted a Challenge DIY Experience Happy Hour, showcasing Perennial workplace outreach offerings.





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ACCOMPLISHMENTS

- Converted to purchasing 30% recycled content paper and decreased total paper usage by 12% by adopting electronic invoices and internal documents.
- Established a company policy to prohibit use of bottled water for meetings.
- Implemented a company-wide green cleaning policy, ensuring that only eco-friendly consumer-grade products are purchased.
- Hosted Monarchs and Mosquitos Lunch & Learn, bringing Missouri Botanical Garden sustainability resources to staff.

INNOVATIONS

- Organized a volunteer event to advance our ongoing beautification efforts at historic St. Louis Place Park.
- Incorporated additional native plants and provided ongoing maintenance for our Adopt-A-Highway project and butterfly garden in Olivette, Missouri.
- Initiated transition of a portion of our fleet to hybrid vehicles, with plans to expand this effort over the next few years.
- Won the 2024 Green Business Challenge at Leader Level!



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



Being part of the Green Business Challenge has been an incredible journey for us at Quiet Village Landscaping. It's all about stepping up our sustainability game, finding fresh, eco-friendly ways to do what we love, and making a positive impact on our community. We're all in for greener landscapes and a brighter future!

Dennis Evans
Owner



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



RES is proud that our mission of providing resiliency through restoration is benefiting the City of St. Louis. RES green infrastructure projects for MSD prevent flooding and improve water quality, furthering our mission. Joining the Green Business Challenge has helped us better align with other community members who want to share our mission to increase resiliency in the metro area.

Tim Moritz
Regional Client Solutions
Manager



is a program of:



ACCOMPLISHMENTS

- Most St. Louis employees can work from home which eliminated 39,000 driving miles and an estimated 1,480 gallons of fuel, 15 tons of carbon dioxide emissions that did not enter the atmosphere.
- Over 80% of construction materials are manufactured within a 50-mile radius of St. Louis.



INNOVATIONS

- Installed rain gardens, a permeable plaza space, and an outdoor café terrace around Be Well Café, supporting this Hyde Park neighborhood eco-artisan job incubator with the function and amenities of Green Infrastructure.
- Constructed rain gardens, green space, nature play space, and rain barrels for Kipp Triumph Academy.
- Donated 250 native plants to community organizations.
- Participating in Green Community Workforce Development partnership.
- Tabled at Archdiocese of St. Louis Climate Symposium, first event for *Laudato Si* Commission for creation care through climate action.

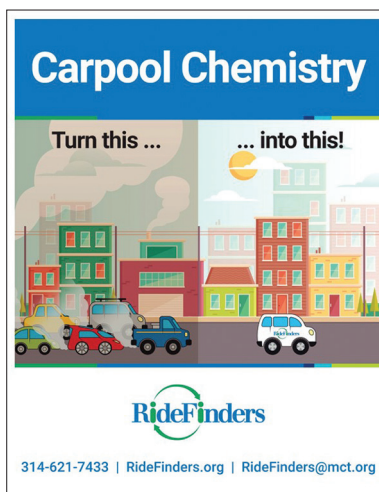
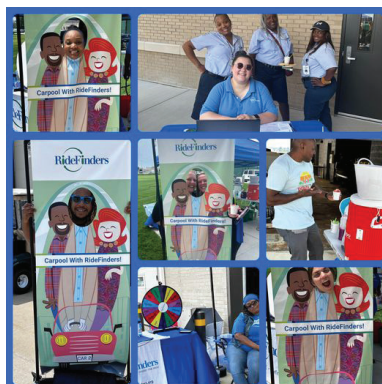




Corey Turner | Administrative Assistant
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Owner – 101,326 ft²
ridefinders.org

ACCOMPLISHMENTS

- Making the ACT Green Team inclusive by inviting participation from all departments and shifts, encouraging employees to share input and sustainability ideas.
- Hosted ACT's first Zero-Waste event at our agency barbecue in June, reducing single-use waste and promoting sustainable practices.
- Month-long Carpool Challenge in August motivated employees to create RideFinders profiles and carpool, resulting in reduced emissions.
- Moved into the new Admin Building with smart HVAC systems and lighting that uses sensor controls for energy efficiency.
- Break room is stocked with reusable plates and silverware, reducing waste from disposable items.
- Challenge 2024 Leader Level Winner!



INNOVATIONS

- Public Engagement through creative social media campaigns promote the RideFinders program and encourage sustainable commuting. Carpool Challenge, Route 66 Reels, and Vanpool Highlights are fostering community engagement in sustainability practices.
- Sustainable Commuting Technology leverages the RideFinders service to help commuters select more sustainable commuting options, reducing their carbon footprint by choosing carpooling and vanpooling as accessible alternatives to solo driving, a key goal for Agency for Community Transit.
- Digital Marketing strategies like QR codes, digital signage, and a professional photoshoot for sustainable commuting campaign promote RideFinders while significantly reducing paper waste.

2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



RideFinders' participation in the Green Business Challenge has reinforced Agency for Community Transit's commitment to sustainability and made us more aware of eco-friendly practice options. We've been able to apply these lessons across our agency, spreading awareness among ACT employees and the broader community. I enjoyed seeing the excitement from people on campus as they shared their thoughts and ideas with us. I look forward to how much further we can grow thanks to the Challenge.

Corey Turner
Administrative Assistant



is a program of:





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2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



In 2024, Safety National's sustainability efforts focused on upcycling and transformation, underscoring our commitment to reducing environmental impact and promoting a sustainable future. Driven by our Core Values and Vision to be 'First with Community,' our employee-led Environmental Committee leads the way with innovative initiatives. Through close collaboration with our employees and community partners, we are creating a lasting, positive impact on both the environment and the communities we support.

Angela Schaefer
 Chief Human Resources
 Officer & ESG Committee
 Chair



is a program of:



CHAMPION INNOVATION PROJECT

Commitment to Sustainable Practices

MEASURABLE ELEMENTS

- Engaged employees in waste reduction and recycling initiatives, such as recycling Holiday Lights and Extension Cords, Eyeglasses, Plastic Bags, Candy Wrappers, and over 500 Solar Eclipse Eyeglasses.
- Upcycling-focused recycling drives collected 2,174 clothing items for Dress for Success and ReFresh, and gently used towels for the Humane Society of Missouri. These donations supported both local communities and animal welfare organizations with essential resources.
- Mobilized employees in local beautification efforts. Partnerships with Missouri Botanical Garden, Urban Harvest, Forest Park Forever, and Gateway Arch National Park contributed to maintenance of green spaces and reduction of environmental waste.



QUALITATIVE ELEMENTS

- Solar Eclipse Eyeglass Recycling repurposed 500 solar eclipse glasses for near-future use in other communities.
- Installed water filtration systems on kitchen taps, coffee machines, and ice makers in all offices, significantly reducing reliance on bottled water. We also replaced single-use plastic water bottles with aluminum canned water, an effort that cut plastic waste and encouraged sustainable hydration practices company-wide.
- Creative initiatives like Gift Bag Exchange and Halloween Candy Collection focused on reducing holiday-related waste while supporting charitable causes.



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ACCOMPLISHMENTS

- Revitalized our Rain Garden and had it certified as a National Wildlife Habitat.
- Implemented recyclable receipt paper in our ticketing offices.
- Responsibly recycled over 1,000 pounds of material over the past year.
- Reorganized and streamlined staff recycling area.



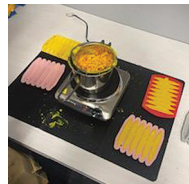
Before



After

INNOVATIONS

- Guest Experience team established crayon melting process to reuse and reduce amount of crayons going to landfill.
- Guest Experience, with help from our Director of Animal Projects, created T-Shirt bags from retired Team Member shirts during our Friends and Family event.
- Life Sciences' water reclamation process saves millions of gallons of water per year for future reuse, aiding in our commitment to responsible water stewardship.



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



Here at the St. Louis Aquarium, we aim to educate and inspire our guests by bringing them surprisingly close to nature. We humans share this water planet with some incredible plants and animals, and being a better neighbor with them is surprisingly easy—and intuitive! We're grateful to the Challenge for helping us explore new ways to engage our guests around living sustainably.

Connor Murray
 Guest Experience Supervisor
 Green Team Chair



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



SLAM has participated in the St. Louis Green Business Challenge for a few years now, and I continue to be appreciative and grateful to the Challenge staff. They are knowledgeable, eager to help, and provide resources for any question or inquiry I might have. With support and connections made through the Challenge, the Saint Louis Art Museum has been able to advance many sustainable initiatives.

Maria Kveton
 Event Operations Manager
 (and Green Team Leader)



is a program of:



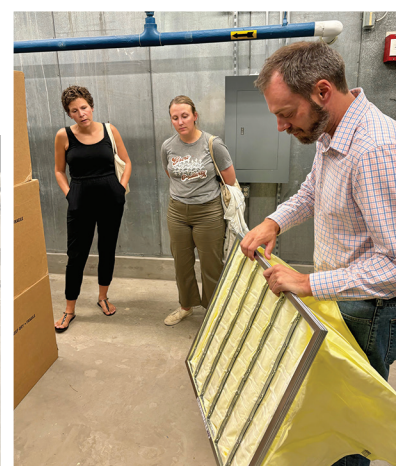
ACCOMPLISHMENTS

- Green Team organized events and activities throughout April to engage staff in celebrating Earth Month, including a mending workshop as part of the museum's Free Friday activations.
- Green Dining Alliance manager presented at an all staff meeting on the GDA, where we unveiled reusable containers for staff purchases from the Café, procured with assistance of a PSI grant through the GDA program.
- Encouraged staff to bring reusable mugs for Café coffee purchases by increasing the discount for avoiding disposables.
- Recycled and repurposed hundreds of event wire hangers and plastic linen bags.



INNOVATIONS

- Panorama Restaurant became re-certified with the Green Dining Alliance, earning 5 Stars.
- Panorama Restaurant participated in the Food Waste Challenge in October, exploring options to reduce food waste, as well as sourcing and labor costs.
- Procured Zero-Waste box to collect and recycle office supplies such as pens, staplers, binders, and more.
- Hosted the Zoo Museum District Group Green Team and their facility managers for a tour of SLAM's energy efficient upgrades to air handlers, chillers, and boilers.





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ACCOMPLISHMENTS

- The Cardinals and concessionaire Delaware North partnered with Operation Food Search to regularly donate food to feed the less fortunate. Donated 10.4 tons of food to OFS in 2024.
- Over 1.4 tons of e-Waste was recycled in the month of September.
- Installed LED lights in the newly debuted Budweiser 703 Club, Busch Stadium's brand-new All-Inclusive area.



INNOVATIONS

- Cardinals Green Team promoted volunteer retention through a new incentive program, based on number of games worked, that offers promotional items, Cardinals tickets, and invitations to volunteer for concerts.
- Another Green Team recruitment initiative was in-game tabling in Ford Plaza, designed to increase volunteer enrollment.
- Collected ink and toner cartridges used in the offices and recycled them through Kyocera's ECO footPRINT Toner Recycling Program. Recycling cartridges helps decrease airborne pollutants.
- St. Louis Cardinals are a Challenge Green Vanguard Champion, as participants through all 15 program years.
 - › Full disclosure: Redbirds were Green well before the Challenge launched!

2024 ST. LOUIS Green Business Challenge

**CHAMPION
LEVEL**



Year after year, the St. Louis Green Business Challenge adds value to commitments the Cardinals make to sustainable achievement. The Challenge encourages us to think creatively about how we can further our sustainable practices and serves as a reminder about the importance of maintaining the programs we have already implemented.

Mairead Scanlon
Supervisor, Facility &
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is a program of:





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2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



Driven by our club's vision to be an Exceptional Club and Neighbor, we set an ambitious sustainability target of 'Goal: ZERO' this year, to run waste-free MLS matches by diverting towards composting, recycling, and reuse. By delivering on this pledge, we have both led the way for sustainable sporting events across our industry and inspired our fans and community to do their part in their homes, workplaces, and schools.

Diego Gigliani
President and
General Manager



is a program of:



CHAMPION INNOVATION PROJECT GOAL: ZERO

MEASURABLE ELEMENTS

- For the 2024 MLS season, over 21 matches, CITYPARK diverted 90.3% of our waste, 92 tons of material, from local landfills.
- Compost comprised 48% of waste generated; 48 tons was sent to local compost operations.
- 20 tons of aluminum recycled comprised 20% of waste generated.
- 24% of waste generated (24 tons) was mixed recycling.
- Sent less than 10 tons of waste to local landfills.

QUALITATIVE ELEMENTS

- Worked with our Official Sustainability Partner YETI to establish a FIRST in MLS and professional sports: allowing fans bring a previously purchased CITY branded YETI 24 oz Rambler into the stadium for unlimited soft drinks and water refills, reducing use of single-use aluminum cups.
- Produced a promotional video with CITY players to educate fans on how CITYPARK sorts all trash by hand, ensuring diversion to compost and recycling instead of landfill disposal.
- All food available to fans at CITYPARK is served on compostable ware with compostable utensils.
- All drinks available to fans at CITYPARK are served in aluminum cans, bottles and/or cups.
- CITYPARK received the PLAY TO ZERO AWARD from the Green Sports Alliance for its GOAL ZERO program.



ACCOMPLISHMENTS

- Wrote a new Sustainability Statement which is highlighted on our new webpage along with sustainability accomplishments.
- Engineering/Operations team spent 2024 going through a process of retro-commissioning. As a result, the Science Center has made changes to many HVAC operations to improve efficiency and reduce energy consumption.
- Including Sustainability Education in every all-team meeting, usually in the form of a game, is a crowd pleaser—that works!

INNOVATIONS

- Saint Louis Science Center's Sustainable Futures Team continues to foster a culture of sustainability through staff team-building activities like invasive species removal, chili cookoff with a sustainable slant and Sustainability Jeopardy at our all-team meetings.
- SLSC saw improvements in our energy efficiency because of retro-commissioning. GREAT to see our scorecard numbers go up.
- In process of finalizing the process and policy for waste reduction guidelines for internal events and meetings.



2024 ST. LOUIS Green Business Challenge

CHAMPION LEVEL



In 2024, the Saint Louis Science Center published our rewritten Sustainability Statement and created a webpage to highlight the alignment of sustainability with our values and mission. The community and framework of the St. Louis Green Business Challenge helped make this possible. Our participation in this wonderful group helps us sustain our forward movement.

Maddie Earnest
 Associate Director of
 Galleries



is a program of:



2024 ST. LOUIS Green Business Challenge

CHAMPION INNOVATION PROJECT



The St. Louis Green Business Challenge keeps our team engaged in the latest sustainability updates in our community and encourages us to be creative in solving problems on our campuses. The Zoo's Life Support Systems Team (water reclamation and water quality) researched ways to improve lake water quality while reducing potable water usage. This project brought departments together to creatively produce multiple environmental solutions.

Wanda Kolo
Director of Sustainable
Operations & Construction
Management



is a program of:



CHAMPION INNOVATION PROJECT

Zoo Lake Enhancements

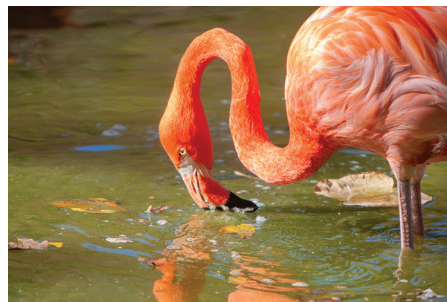
MEASURABLE ELEMENTS

- Reduction of potable water to fill lakes on Zoo grounds is estimated to save 4.5 million gallons per year.
- Water and sewer utility savings estimated to total \$24,300 annually.
- Six aerators installed in the three interconnected lakes yield widespread increase in dissolved oxygen.
- Reduced nutrient levels (phosphorus) that feed algae growth.
- Between Zoo improvements to 3-acre lake system, fixing leaks, and replacing water main leaks, we expect to annually save millions of gallons of water.



QUALITATIVE ELEMENTS

- Eliminated surface scum and blue-green algae blooms.
- Reduced turbidity keeps water clearer and less green.
- Increased activity of both wild and Zoo birds.
- Improved aesthetics of the lakes.



ACCOMPLISHMENTS

- Significantly reduced office paper landfill waste by switching to all digital accounting procedures, including invoices and payment records. Electronic transfer payments have replaced most printed checks sent via U.S. Mail.
- Eliminated plastic bottles at company events and actively encourage refillable water bottles.
- Converted to use 30% recycled content office paper and now ordering locally from Office Essentials as opposed to Amazon.

INNOVATIONS

- Set up a recycling collection bin in the office that staff volunteer to take to their home recycling, since our building does not yet provide commercial recycling.
- Adopted use of compostable cups, plates and utensils for company events, and are now diverting compostable food-service waste from landfill by partnering with New Earth Farms and Total Organics Recycling.
- Celebrated 40 years of community service growing neighborhood vitality and connections and human and ecological health, through support for community gardens. That's a lot of good seeding!



2024 ST. LOUIS Green Business Challenge

APPRENTICE LEVEL



Seed St. Louis is a longtime champion of sustainability in our promotion of local farming and greening of vacant lots. The Green Business Challenge has helped us become more eco-friendly in our office by focusing us on simple yet meaningful changes in practice that add up to a big impact.

Joe Jovanovich
Chief Operating Officer



is a program of:



2024 ST. LOUIS Green Business Challenge

**LEADER
LEVEL**



In the St. Louis Green Business Challenge, each firm competes with their own best self. Tarlton has continued to advance sustainability practices and each year it's exciting to see the ways we can further improve our efforts.

Tracy Hart
President



is a program of:



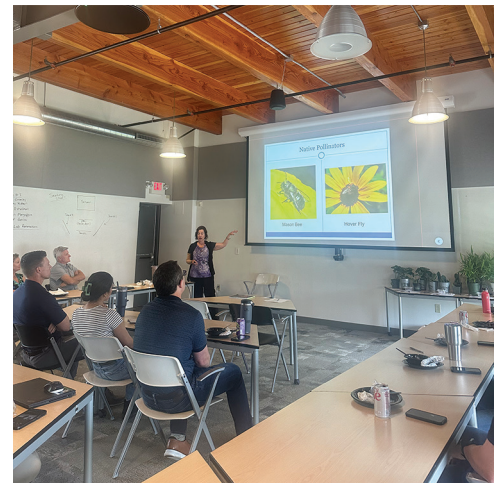
ACCOMPLISHMENTS

- Updated our Sustainability-ESG statement and published it on our website.
- Updated Tarlton's IAQ Plan, which guides implementation of increased Indoor Air Quality protocols on client projects.
- Hosted a Lunch & Learn entitled *Sustainable Gardens: Native Plants*.



INNOVATIONS

- Alerted area recycling leaders and rallied exploration of issues and options for recycling Construction & Demolition Waste, when a key C&D service provider shut down.
- Coordinated a Challenge team site visit and meeting with C&D specialist Eco Recycling to help address construction sector needs for C&D sorting, hauling and the diversion documentation required for client project LEED certifications.



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St. Louis Green Business Challenge

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connect with the Challenge and Green biz leaders
join the discussion - tag your company



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SPECIAL THANKS



CHALLENGE FRIENDS



2024 CHALLENGE STAFF

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Jaclyn Jezik – Sustainability Specialist

Angelina O'Donnell – Program and Event Specialist

Jean Ponzi – Green Resources Manager

For more information on the St. Louis Green Business Challenge, contact:
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