



UofL Sustainability Council FY 2011-2012 Report

Highlights of University of Louisville Sustainability Initiatives, July 2011 – June 2012
(prepared by Justin Mog, Assistant to the Provost for Sustainability Initiatives)

Sustainability initiatives at UofL continued to evolve and expand, both in scope and depth, throughout the year. Major milestones this year include the [installation of student-built solar panels on the Garden Commons greenhouse](#), the completion of the LEED Silver certified [School of Dentistry](#) expansion, UofL's first [vegetated green roof atop the new wing of the College of Business](#), the installation of [Building Dashboards](#) to provide real-time feedback about energy use in four residence halls, UofL finished in the top ten during the nation's first ever energy conservation competition – the [Campus Conservation Nationals](#), UofL received 2011 Tree Campus USA status and hosted the Arbor Day Foundation for a [massive fall tree planting](#), implementation of a variety of [green infrastructure stormwater projects](#) with the help of [\\$1.5 million in cost-sharing from MSD](#), implementation of a [\\$10,000 grant for bicycle education](#), massive expansion of food waste collection for composting, the opening of three new housing developments near campus, the sprouting of food gardens on all three campuses, and the hosting of a local foods "Broker-in-Residence" provided by [Louisville Farm-To-Table](#).

The Sustainability Council and its associated committees continue to support and develop a great diversity of initiatives across the full spectrum of sustainability, designed to enhance the environmental, social and economic responsibility with which the university moves forward. These efforts involve faculty, staff, and students from a wide variety of units across the university. The percentage and diversity of our UofL community directly engaged in seeking sustainable solutions must continue to grow as we strive to integrate sustainability into everything that we do at UofL.

After four years, the Sustainability Council and its committees have moved well beyond initial baby-steps and matured into a highly effective body for planning, coordination, and documentation of sustainability initiatives across the university. Though the Council will always provide valuable guidance, recommendations, and support, by its very nature, sustainability demands decentralized, diverse solutions that fit the context of place and community. We are, therefore, encouraged to observe that sustainability initiatives at UofL are taking shape through a highly collaborative process involving a wide variety of administrators, staff, faculty, students, and members of the broader community. As such, neither the Sustainability Council nor its committees can claim sole credit for most of the accomplishments summarized below. On the contrary, credit belongs to the many people across our campuses who have been working diligently on these varied initiatives. We extend our sincere thanks to them, and our deep gratitude to the many dedicated individuals serving on the Council and its committees who have played significant roles in making these accomplishments possible.

The following list of accomplishments is by no means exhaustive; rather, it is a summary of highlights from FY 2011-2012, designed to provide an overview of sustainability initiatives, many of which are on-going. Further details, photos, videos, contextualization, and documentation can be found at the [UofL Sustainability website](#) or by clicking the [links](#) underlined in blue throughout.

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OPERATIONS

BUILDINGS & ENERGY

Energy Efficiency

- This year saw the final implementation stages of the [second phase](#) of a \$46.2 million [performance contract](#) with Siemens Building Technologies, Inc. to make UofL much more energy and water efficient through extensive retrofits. The massive project involves 88 buildings (6.2 million square feet) on all three UofL campuses, and will reduce our utility bill by about \$12,086 per day, directly saving the university \$4.4 million every year, and reducing our annual carbon dioxide emissions by over 46,000 tons (the equivalent of removing 7,690 cars from the road).
- UofL conserves energy during university holidays by powering down heating and air conditioning systems across campus, including during the Labor Day Holiday.

Renewable Energy

- UofL continued demonstrating the practical application of solar power with photovoltaic systems atop the [Center for Predictive Medicine](#) (Shelby) and [Sackett Hall](#) (Belknap), which has the only dual-tracking solar array in the state. The Sackett Hall array, like that atop [Burhans Hall](#) (Shelby) also provides solar heated water for the building.
- In September, UofL Dining Services formed a new partnership with the [Louisville Biodiesel Cooperative](#) to donate some of UofL's 400 gallons of used cooking oil each week for conversion into a clean fuel.
- In April, UofL broke ground on the new [Student Recreation Center](#) which will feature UofL's first geothermal project to heat and cool the facility with 180 wells drilled to 400 feet. It will also feature a solar water heating system.
- In May, [UofL's Renewable Energy & Energy Efficiency Club built and installed solar panels to power the ventilation system in the Garden Commons greenhouse. Photos.](#)

LEED Buildings

- The [School of Dentistry](#) marked the completion of a two-year, \$45 million renovation on Sept. 27th with a ribbon-cutting and tour. In June, the School of Dentistry earned LEED Silver certification from the US Green Building Council. The project added more than 20,000 square feet to the facility and renovated another 211,000 square feet. Among the green changes are more efficient HVAC systems and motion-sensor lighting. These improvements will result in a 7% increase in energy efficiency and an annual reduction in water usage by 534,455 gallons. The project used more than 30% recycled and regional materials. It was featured in the [AASHE Bulletin](#).
- In April, UofL broke ground on the new [Student Recreation Center](#) which has been designed to LEED Gold standards.
- The UofL Foundation completed construction of the [first LEED certified multi-tenant office building in Kentucky](#) at the ShelbyHurst Research and Office Park. The ShelbyHurst development at UofL's Shelby Campus features efficient outdoor lighting, an improved drainage system leading to a wildlife-friendly basin, pedestrian sidewalks, and bike lanes. [Video](#).

Green Roofs

- In June, UofL celebrated the opening of its first [vegetated green roof atop the new wing of the College of Business](#). The addition has a rooftop garden with plants and reflective panels to help keep the building cool. It also drains into a rain garden to help lessen campus flooding. [Photos](#). [Video](#). [Lane Report coverage](#). [WDRB coverage](#). [WAVE 3 coverage](#).

Behavior Change

- In spring 2012, in line with UofL's [Climate Action Plan](#), Housing installed [Building Dashboards](#) to provide real-time, online feedback about energy use in four residence halls: [Community Park](#), [Kurz Hall](#), [Louisville Hall](#), and [Unitas Hall](#).
- From March 26th to April 15th, UofL competed nationally in the [Campus Conservation Nationals](#) and locally against the University of Kentucky in the "Bluegrass Unplugged" competition to reduce electricity use in residence halls. CCN was the first nationwide electricity reduction competition on university campuses, with about 100 schools and over 200,000 residents across North America participating. UofL's Housing Green Committee hosted Demo Dorm Room Exhibits in Wellness, Center & West Halls and hung posters produced by students in the "Design for Public Issues" course. Students from the "Mindfulness and Sustainability" course initiated a variety of programming to promote conservation, reducing energy use in one dorm, University Tower Apts., by 36.4%. UofL finished in the top ten energy reducers nationally with an 11.9% overall reduction (38,415 kWh of electricity saved = \$2,689 saved = 78,789 pounds of carbon dioxide averted). This top-ten finish earned UofL [200 megawatt-hours of renewable energy credits \(RECs\) from Sterling Planet](#).
- Through UofL Today, the Council publishes weekly [Green Tips](#), highlighting ways people in the UofL community can get involved in promoting sustainability (especially through choices they make in their daily lives).
- [Green Tips](#) are also included in other monthly publications, including Campus Health News, the [UofL Connection](#) alumni newsletter, and [The FRY](#) (Your First Rate Year) newsletter.

GROUNDS

Low-Emission Equipment

- In July, [UofL riding mowers went gasoline-free](#). Switching the fleet to run on cleaner-burning, more efficient propane gas has reduced carbon emissions, fuel spills, and air quality impacts.

Trees

- The Sustainability Council's Campus Tree Advisory Committee met each semester to plan a fall planting of 160 trees on Belknap campus, prepare a UofL Trees booth for the Festival of Faiths, improve the [Campus Tree Tour](#), and prepare an application for 2011 Tree Campus USA status.
- On Oct. 28th, UofL hosted a National Arbor Day tree planting with representatives from the National Arbor Day Foundation and the Professional Grounds Management Society, [increasing the Belknap tree population by 100](#). [Video](#).
- In March it was announced that UofL achieved Tree Campus USA status from the National Arbor Day Foundation for 2011.

Stormwater Management

- The fall 2011 [Dental School renovation](#) included pervious pavement that will keep about 7500 gallons of water out of the sewers during a typical rainfall event.
- This year UofL began implementing a variety of [green infrastructure projects](#) to divert water from downspouts to an underground aquifer through infiltration basins, bioswales, rain gardens, and vegetated roofs, with the help of [\\$1.5 million in cost-sharing from MSD](#). Completed projects included renovations at the Ville Grill and Red Barn plazas, the Grawemeyer Oval, the College of Business parking lot, the Speed Museum expansion, the UPDC parking lot, and the [College of Business Equine Addition](#), featuring the 942-square-foot M. Krista Loyd Sky Garden vegetated roof. Infiltration monitoring equipment was installed in some of the pits by UofL's Center for Infrastructure Research.
- Members of the [Law School Sustainability Committee](#) held design charrettes and developed a plan for rain gardens and outdoor classroom space in the Law School courtyards.
- UofL's flood mitigation efforts helped [reduce the impact of the May 29th flooding](#) on Belknap Campus, with damages of less than \$200,000. [Actions taken after 2009 deluge help reduce the damage at U of L](#) (Courier-Journal, May 29, 2012)

SOLID WASTE

Recycling

- Feb. 5th to April 6th, UofL competed in [RecycleMania](#), a friendly annual competition among college and university recycling programs in North America. For 8 weeks, UofL competed nationally to reduce waste, increase recycling and raise awareness of conservation issues across campus. [Results](#): UofL increased its recycling rate from 26.9% to 33.5%. UofL's best national rankings were in the Waste Minimization (43rd), Cardboard (69th), and Grand Champion (98th) categories.

- On Oct. 21st, as a part of Sustainability Week, Sigma Pi sponsored Game Day Recycling at the State Fairgrounds tailgating before the UofL home football game vs. Rutgers.

Composting

- Throughout the year, the Council continued its [on-site food waste composting project](#) of pre-consumer, plant-based food waste from Belknap's dining facility kitchens at the Hughes Lot. The Council devoted some funding to Brian Barnes to continue spearheading this work, along with a volunteer crew that has dedicated over 500 hours to composting over 70,000 lbs. of food waste since the project began in July 2010.
- In August, [post-consumer composting](#) was introduced to UofL with four spinning composting bins installed next to the greenhouse at the [Garden Commons](#). Compost buckets were also distributed to volunteers in the adjacent Miller residential hall.
- In March, UofL vastly expanded its food waste collection to as much as 6000 pounds per week through a new subcontract with Blue Skies Recycling which provides twice weekly pick-up of all campus food waste, including meats, bones, dairy, and post-consumer waste. The actual composting operation is handled by [Koetter & Smith](#) in Borden, IN (about 25 miles from campus).

Reuse and Waste Reduction

- In April, UofL Housing sponsored the "Lighten Your Load" move-out waste reduction campaign, with unwanted items collected and donated to St. Vincent DePaul.
- During summer 2012, all participants in new student orientation received a refillable water bottle instead of bottled water.

PURCHASING

Sustainability in Contracting

- In fall 2011, UofL's Purchasing Department added sustainability language to its boilerplate for Request for Proposals (RFPs): "The University of Louisville is dedicated to acquiring products and services that are in accordance with our commitment to sustainability. For the purpose of judging sustainability, the following description applies: Sustainable Development is enhanced through sound Environmental, Social and Economic practices and technologies that minimize or eliminate waste and negative impacts on current resources. UofL seeks products and services that pose no significant risk to human health or environmental quality when compared with competing products or services that serve the same purpose. This comparison, where applicable, may consider raw materials and energy acquisition; production and manufacturing; packaging and distribution; and the operation, maintenance, reuse, recyclability or disposal of a product. Materials, products, and workers from the local region are preferred sources, along with companies/contractors that can demonstrate efforts to ensure worker protections and to restore or enhance the environment."
- In fall 2011, UofL's Purchasing Department also added sustainability language to its [Supplier Code of Conduct](#) (including UofL's No Idling Policy), with minimum requirements in terms of: Compliance with Laws, Regulations and Published Standards; Environmental Practices; Occupational Health and Safety Practices; Labor Practices; Ethical Business Practices; Export Sanctions and Terrorism Activities; Unauthorized Solicitations; and Monitoring and Compliance .

TRANSPORTATION

Promoting Transportation Alternatives

- The Council formed a new Transportation subcommittee to oversee and coordinate efforts to reduce the number of vehicles coming to campus.
- During the 2011 extended closure of the Sherman Minton bridge, UofL tried to reduce gridlock by encouraging commuters from Indiana to utilize public transit bus and ferry services rather than driving. Justin Mog, assistant to the provost for sustainability initiatives, wrote letters to The Courier-Journal, regional, state, and city transportation planners urging that the Sherman Minton bridge be left open to cyclists, pedestrians, and buses during repairs, and that the two traffic lanes on the K&I bridge also be reopened for cyclists, pedestrians, and buses.
- The Sustainability Council organized several activities on-campus for September 22nd, [World Car-Free Day](#), in affiliation with [350.org](#)'s worldwide initiative: "[Moving Planet](#)" - a single day to move away from fossil fuels. Events included a Car-Free Fair with free bike tune-ups, bike-blender smoothies and info about transportation alternatives; a "Biking For Health & Wealth" Lunch-and-Learn co-sponsored by Get Healthy Now, and a Car-Free Trip to Gray St. Farmers' Market. [Photos](#).
- In November, TARC partnered with Google Maps to [make bus trip planning more convenient for students and employees](#).
- In May, UofL collected comments from the campus community and submitted a formal response to proposed TARC service cuts to nine express routes as well as Route 18 and Route 29, which both serve campus directly. We were successful in preventing the proposed cut to Route 29.

Reducing Transportation Demand (Living Close)

- In August, new UofL affiliated student housing and retail opened at [Cardinal Towne](#), a four-story, 379-bed, facility located on a 4.5-acre block adjacent to Belknap Campus. Besides student apartments, it offers several restaurants and shops featuring Louisville businesses. The building features numerous, accessible vegetated roofs; 170 covered bike parking spaces; the ability to monitor energy use in each unit; some ceiling fans and day lighting; fully equipped kitchens for student cooking; and expensive parking at a cost of \$100/month to discourage car use. [Video](#).
- In August, new UofL affiliated student housing opened near HSC at [The Quad](#), a 27-apartment living-learning community within the Liberty Green development at Hancock St. & Muhammad Ali Blvd. across from UofL's CTR building. "When medical students live within walking distance of the School of Medicine, it creates a sense of community, contributes to neighborhood development, and reduces the demand for parking spaces and gasoline consumption," said Edward Halperin, dean of the School of Medicine.
- UofL collaborated with Family Scholar House to open a new facility at the renovated Stoddard Johnston building near Belknap Campus in December. The facility accommodates 57 families and many of its residents are UofL students. [Photos](#).

- In March, UofL officials celebrated the opening of the first unit in a new housing project suitable for UofL employees or students looking to live within walking distance of HSC, or easy biking distance from Belknap campus. [The City Homes at The Edge at Liberty Green](#) are a green-designed mix of housing types and sizes for both purchase or rent, just a block from HSC.

Promoting Bicycling for Transportation

- In July, the Council implemented a 'Train-the-Trainers' program to prepare formal and informal educators from UofL and the community to offer confident cycling and bike safety classes to students through the Department of Health and Sport Sciences' Physical Activity program, Get Healthy Now, Campus Health Promotion, and other venues. This training was funded by a [\\$10,000 grant for bicycle education](#) from the Kentucky Bicycle and Bikeway Commission.
- In July, UofL Parking began implementing the new [Abandoned Bike Policy](#) to free up limited bike parking on campus. After impoundment, select unclaimed bikes were repaired and repurposed by the Council for a campus bike-share program to launch in fall 2012.
- On August 8th and Dec. 6th, the Council hosted the third and fourth in a series of community design charrettes with the Old Louisville neighborhood to design a northbound bike boulevard facility from Cardinal Blvd that will help create a safe route from cyclists between Belknap and downtown/HSC.
- From September 16-30th, the Sustainability Council facilitated UofL's active participation in Louisville's first Fall Bike to Work Day and [Bike Commuter Challenge](#), with two teams of co-workers in the competition. The Sustainability Council Crankers team [finished 4th](#) with 135 trips for a total of 323 miles.
- In spring 2012, Housing installed four new, large bike racks for residents: three at Louisville Hall and one covered rack at Threlkeld Hall.
- In 2012, Get Healthy Now launched a new series of free, six-week [Safe Cycling Classes](#) offered in the late spring, summer, and early fall. The classes are the result of last year's Train-the-Trainers Program funded by a state Paula Nye grant. They are designed as a guide to basic equipment maintenance, skills, and rules of the road., with content from the League of American Bicyclists' national BikeEd program.
- In May, UofL participated in Bike Month to encourage employees and students to use two wheels for transportation. On May 10th the Sustainability Council organized a Pedal with the President to UofL from Amelia Place. [Photos. Coverage on WLKY](#). From May 1-17, UofL had three different teams from around campus in the [Louisville Bicycle Challenge](#), a friendly competition to encourage friends, colleagues, and neighbors to start using bikes to get around regularly! In the [final results](#), UofL teams finished fourth, fifth, and seventh, with a total of 345 trips for 892 miles.

FOOD

Campus Gardens

- UofL's organic, [newly-expanded Garden Commons](#) at the Cultural Center hosted a series of volunteer workdays and a student-organized Fall Greens Workshop on Sept. 15th, as well as a [Spring Organic Gardening Workshop Series](#): Seed Starting (Feb. 8), Container Gardening (Feb. 29), Herbology (March 21), Spring Planting (April 4) and a Slow Food Harvest Party (May 2).
- The Office of Health Promotion installed a small herb garden outside its entrance using repurposed cigarette butt containers.
- Gardening enthusiasts at HSC started a small demonstration garden in 2011 for feeding therapy patients.
- Gardeners at the Center for Predictive Medicine on Shelby campus tend a "Birthday Garden" on the grounds, with fresh produce used in celebrations rather than cake.

Farmers' Market

- With SPHIS sponsorship, UofL's [Gray Street Farmers' Market](#) expanded its operations and operated for a third full season in 2011, with a new monthly raffle for a \$20 market gift certificate, and a car-free trip from Belknap campus for new students during Welcome Week.
- In 2012, the market opened for weekly operations with 15 vendors on May 17th, with free reusable shopping bags for customers.
- On June 7th, WAVE-3 broadcast a story on [Stretching your dollar at farmers' markets](#), featuring UofL's Karen Newton and the Gray Street Farmers' Market.

Community Supported Agriculture (CSA)

- The Council sponsored its fourth year of the CSA program to bring weekly baskets of fresh, local food to campus.
- Even non-subscribers were able to benefit from extra fresh produce sold by participating farmers on drop-off days.
- The Sustainability Council hosted the [4th Annual Community Supported Agriculture \(CSA\) Sign-up Fair](#) on April 11th, giving students, faculty, and staff an opportunity to meet local farmers and sign-up for weekly baskets of local farm products to be delivered to UofL. Full shares started as low as \$22 per week, with lower-cost/quantity half-shares starting at \$12.50/wk. [Participating CSA farms for 2012](#) included: [Joe Triqq's Farmers2City Connection \(F2CC\) CSA](#) (Glasgow, KY - Barren Co.); [Courtney Farms CSA](#) (Bagdad, KY - Shelby Co.); [Harmony Fields Farm](#) - certified organic CSA (Shelbyville, KY - Shelby Co.); [Lucky Clover Farm](#) - (Richmond, KY - Madison Co.); and [Grasshoppers Distribution](#) (Louisville distributor for multiple area farms).
- The UofL community was encouraged to learn more about local food and to sign-up for CSAs through UofL Today, e-mails, and a dedicated [UofL CSA Facebook group](#).

Dining Services

- Edible Louisville (Sept/Oct 2011) highlighted UofL Dining's efforts to source food locally: [Edible Tidbits: Ville Grill Goes Local](#)
- In November, UofL began hosting a local foods "Broker-in-Residence" provided by [Louisville Farm-To-Table](#). Coordinator Sarah Fritschner works at UofL every Wednesday morning to help UofL identify new sources for local food.
- For [Body Awareness, Body Appreciation Week](#), The Ville Grill offered specials featuring vegan chef Bryant Terry's recipes Feb. 27th – March 1st.
- On March 1st, UofL Dining Services began labeling items with locally-sourced ingredients with a large "L" sticker. The effort started with sandwiches and wraps sold at "Simply to Go" refrigerated kiosks around campus and expanded system-wide.

- In partnership with the University Admissions office and Louisville Farm to Table, Sodexo increased to one-third the amount of local ingredients included in the 10,000 meals served to parents and new students during summer orientations. Commensurate marketing materials accompanied this meal service, including menu identification of local foods and a leaflet stating "U of L Likes Local" with five reasons why the university supports the use of local food and a list of campus sustainability efforts.

Catering

- On January 24th, local foods catering options were presented to UofL's Unit Business Managers (UBMs) by [Louisville Farm-To-Table](#) "Broker-in-Residence," Sarah Fritschner. Fritschner advised the UBM's that the university administration is in favor of using local food. Anyone who has done any catering business with UofL will be invited to meet vendors and develop relationships. This event allowed caterers to interface with UBM's and supply local food menus and samples, while increasing caterers' knowledge of local foods, and making it easier for UBM's to start utilizing local caterers.

ADMINISTRATION, FINANCE, & OUTREACH

PLANNING

American College & University Presidents' Climate Commitment (ACUPCC)

- [University of Louisville is on its way to carbon neutrality](#) (Louisville Alternative Energy Examiner, January 31, 2012)
- On April 3rd, the [ACUPCC highlighted UofL](#) as one of 15 schools doing "cutting-edge work to promote environmental sustainability." The recognition particularly focused on [UofL's efforts to promote local food](#).
- In September, UofL submitted its [Greenhouse Gas Emissions Inventory update](#) to the ACUPCC, noting a significant downward trend in emissions per capita and per square foot of building space from FY2006-2010.

Other Sustainability Metrics & Awards

- UofL again increased its ranking in the [Sierra Club's America's Coolest Schools](#) list, reaching 41st out of 118, up from 61st in 2010 and 92nd in 2009, and the top school in Kentucky for 2011 (*Sierra* magazine, Sept/Oct 2011). [Story](#). [UofL Survey Response](#).
- The UofL-based Kentucky Pollution Prevention Center received two 2011 Most Valuable Pollution Prevention Awards from the National Pollution Prevention Roundtable at a ceremony in Washington, D.C., Sept. 20. KPPC Executive Director Cam Metcalf received a Pollution Prevention (P2) Champion Award, and KPPC's technical assistance services were recognized in the project/programs category of the roundtable's awards as innovators in pollution prevention and sustainability.
- In April, UofL was nominated for an [AASHE Campus Sustainability Case Study Award](#) for our success integrating sustainability into new employee orientations. UofL's case study is now listed in AASHE's [Campus Sustainability Case Study database](#).
- In April, UofL was included for the first time in the 2012 edition of [Princeton Review's Guide to 322 Green Colleges](#) due to it's a strong commitment to sustainability in its academic offerings, campus infrastructure, activities and career preparation.

SOCIAL RESPONSIBILITY

Worker Rights & Fair Trade

- A new campaign was launched on campus to make UofL a Fair Trade University: [Green Scene: Help make our campus fair – trade, that is](#)
- UofL again paid dues to the [Worker Rights Consortium](#) and remained in a supportive position for the [Designated Suppliers Program](#), two programs that promote anti-sweatshop labor in university apparel.

Peace & Justice

- On September 16th UofL hosted "A Celebration of African-Americans in Social Justice: Success Stories in the Fight Towards Educational Equity."
- On September 21, UofL hosted an [International Day of Peace Celebration to officially launch the new Peace, Justice & Conflict Transformation Program](#). The event included a free, public showcase of Peace, Justice and Sustainability Initiatives at UofL, community groups and campus service programs, an exhibit of Peace Postcards, and a documentary film called [Peace Cam](#), featuring interviews with UofL students about peace, justice, and violence.
- In September, President James Ramsey touted the recent accomplishments of the Commission on the Status of Women: [video](#).
- Cards 4 Freedom, an anti-human trafficking student organization, remained very active throughout the year, hosting a wide variety of campaigns and awareness-raising efforts against modern-day slavery. They collaborated with UofL's Women 4 Women student chapter to host a [Human Trafficking Conference](#) on Jan. 19th to raise awareness about modern-day slavery and encourage students and the public to become involved in efforts to make other people aware of the problem and to help stop it.

Socially Responsible Investing

- In September, the university-wide [Committee on Socially Responsible Investing](#) finalized ten months of work to investigate mission-related investment options for the University and to recommend policies on shareholder advocacy and socially- and environmentally-responsible investment to the UofL Foundation. The committee submitted its final recommendations to the Sustainability Council and Provost, recommending that UofL:
 - (1) Establish a permanent Socially Responsible Investment Advisory Committee as outlined in separate documents attached to this memo. The composition of the committee would reflect multi-stakeholder representation and its functions would directly and indirectly support socially responsible investing.
 - (2) Adopt a broad policy statement defining socially responsible investing, as suggested in a separate attached document.

Additionally, the Committee recommends that the SRIAC and UofL Finance Committee develop specific “positive” and “negative” investment screens that should be used to shape University investments. For example, the Committee favored increased investments in renewable and alternative energy sources, as well as in pollution control and abatement technologies. Likewise, the Committee supports efforts to invest in companies with good records offering their employees fair and just compensation and benefit programs and companies who act consistently with long-term environmental sustainability. Investments should be limited when companies fail to meet such standards.

(3) Contract with a qualified service to make recommendations for UofL investment proxy voting as appropriate to promote sustainability. The mission-related investing team from Cambridge Associates indicated that several firms offer such a service and that engaging one would likely cost the University a nominal amount – far less than the cost of a full-time employee. UofL works with several financial managers able to accommodate proxy voting and the University directly owns a small set of assets that may be amenable.

FUNDRAISING FOR SUSTAINABILITY

UofL Green Fund

- UofL Dining Services piloted a new [Go Green Meal Plan](#) to raise funds for campus sustainability, while encouraging use of UofL’s most sustainable dining venue, the Ville Grill (a near-zero-waste, trayless facility featuring local foods and a vegetarian station). Employees were especially encouraged to purchase these blocks of 10 meals, with a portion of the funds dedicated to a campus sustainability fund. Sadly, participation was very low.
- On Oct. 28th, Justin Mog spoke on UofL Sustainability and the new Green Fund to a Recent Alumni Lunch.
- February UofL Green Scene: [Giving your green to ensure UofL stays green.](#)
- On April 3rd, a resolution for the creation of a Green Fund managed by a Student Sustainability Council was introduced into the Student Senate.

PARTNERSHIPS & COLLABORATION

National and International Collaboration

- In July 2011, UofL renewed its membership in the [Association for the Advancement of Sustainability in Higher Education \(AASHE\)](#), allowing for greater collaboration with other campuses and granting everyone at UofL access to valuable resources, discounts to AASHE-sponsored events, and opportunities for professional development and networking.
- In the summer of 2011, UofL renewed its membership the [National Council for Science and the Environment \(NCSE\) University Affiliate](#) program. UofL sent four representatives to the NCSE’s 12th National Conference on Science, Policy and the Environment: “Environment & Security” (Jan. 18-20, DC) and one to the winter meeting of the Council of Environmental Deans and Directors.
- The Council sent two staff and two student representatives to present UofL sustainability initiatives at the [AASHE 2011 Conference](#) Oct. 9th-12th (Pittsburgh): Brent Fryrear – “Public Sustainability Partnerships”; Justin Mog & Brent Fryrear– “The Power and the Art of Weaving Sustainability into New Employee Orientation”; Justin Mog & Zach Kenitzer – “Think Outside The Car! - Surveying Commuter Choices”; and Josh Wilcox – “Creating Sustainable Urban Infrastructure One Seed at a Time” (Poster).
- In spring 2012, UofL collaborated with the [Yum! Brands Global Sustainability Office](#) to launch the [Global Sustainability Challenge](#), an international \$20,000 competition for undergraduate and graduate student business plans relating to green building design & construction; reduced energy and water consumption; reduced water consumption; sustainable packaging; and waste & recycling.
- In spring 2012, UofL’s Conn Center helped outfit the Capitol Education Center (Frankfort, KY) with kinetic exhibits to teach students about energy and sustainability. The Center features: solar PV array, solar hot water, wind turbine, graywater system, and roof garden.
- On March 28th, UofL hosted the [National Forum for Black Public Administrators](#) Executive Leadership Institute and EPA Southeast Regional Administrator, Gwendolyn Keyes Fleming.
- In May, photos of UofL sustainability initiatives were included in the [AASHE 2011 Higher Education Sustainability Review](#).

Local and Statewide Collaboration

- UofL & University of Kentucky researchers worked collaboratively to create inexpensive clean energy by [using sunlight to generate hydrogen from water](#). With U.S. Department of Energy funding, chemical engineering professor Mahendra Sunkara and graduate student Chandrashekar Pendyala at the [UofL Conn Center for Renewable Energy Research](#), and professors Madhu Menon and R. Michael Sheetz at the UK Center for Computational Sciences, are leading the investigation.
- In September, the Kentucky Clean Fuels Coalition welcomed its newest Silver member, UofL’s Conn Center for Renewable Energy Research.
- The Council sent several representatives to the Nov. 18-20 Campus-Community Partnerships for Sustainability Conference at NKU, and professors Brian Barnes, Sarah Lynn Cunningham, and Russ Barnett presented on green infrastructure, renewable energy, and sustainability education.
- On January 20th, UofL and Louisville Farm to Table organized a [Farm to Campus Workshop](#) for higher education administrators, sustainability coordinators, food service vendors and operators, wellness coordinators, and interested faculty, staff, and students who attended from across the state. Included were panel discussions of national and Kentucky-based speakers with experience in the field, and a keynote by Mark Bomford, director of the Yale Sustainable Food Project.
- In March, [UofL’s Kentucky Pollution Prevention Center received ENERGY STAR Partner of the Year recognition](#) for their delivery of exceptional efficiency-related programming that is helping Kentucky residents, schools, businesses, and industries save energy.
- On April, 30th, UofL hosted a sustainability strategizing meeting of the Kentucky Community & Technical College System and Larry Owsley gave a presentation and tour about UofL sustainability initiatives.
- In May, Justin Mog and faculty working on sustainability (Margaret Carreiro, Ying-Kit Chan, Gabrielle Meyer) addressed a meeting of UofL’s Center for Arts and Culture Partnerships on the topic of 2015, The Year of Environment & Sustainability, an initiative of GLI’s Arts and Cultural Attractions Council.

- In June, UofL sent six representatives to University of Cincinnati for a campus sustainability tour and discussion of best practices with several university representatives from around Kentucky.

HUMAN RESOURCES

Sustainability in New Employee Orientations and Trainings

- [New Employee Orientation](#) every Monday throughout the year included a module on sustainability at UofL and the Partnership for a Green City. All new employees are asked to sign the Cards Go Green pledge, committing to at least three actions to reduce their environmental impact as employees.
- Sustainability was incorporated into New Faculty Orientations. New full-time and part-time faculty received information during Orientations about how to engage with UofL Sustainability personally and professionally (with a list of possibilities for faculty to help make UofL a living laboratory of sustainability).
- The Delphi Center's Unit Business Managers training course [University Business Training](#) "University 101" contains a sustainability module including practical tips for reducing environmental impact.
- Assistant to the provost for sustainability initiatives, Justin Mog, conducted training in sustainability for UofL's Purchasing Staff in August, and Admissions recruitment staff in January.
- In June, the Sustainability Council teamed with Human Resources to launch a new [Professional Development Training Program for all employees: Sustainability 101](#). The training is offered by Justin Mog & Brent Fryrear every other month as part of HR's new Leadership Academy. To mark the launch, Justin Mog also offered a Belknap Campus Sustainability Tour open to everyone at UofL on June 13th.
- On June 26th, Justin Mog led a training on incorporating sustainability into continuing education for 14 of the Delphi Center's [Professional Development](#) instructors at Shelby Campus.

Sustainability-focused Staff

- As the full-time assistant to the provost for sustainability initiatives, [Dr. Justin Mog](#), continued to work closely with the Council to coordinate activities campus-wide and to serve as a liaison to the community.
- in collaboration with SIGS and Anthropology, the Sustainability Council will hire its first Graduate Assistant, who focused on food-related issues, before dropping out in the spring.
- The Sustainability Council provided financial support to Brian Barnes for his efforts in operating UofL's food waste composting program, developing a university-wide Eco-Reps program, and other sustainability initiatives.

Health and Wellness

- UofL became an early adopter of federally-mandated changes, not required until 2013, and, as of August, the UofL health plan now covers reproductive health care under preventive care, with no deductibles and no co-payments. This includes well-woman visits; mammograms; screening for gestational diabetes; breast-feeding support, supplies and counseling; birth control services or prescriptions; and other services.
- In May, the American Heart Association named UofL a Platinum Fit-Friendly Company for the second straight year. UofL was recognized for having taken important steps to create a culture of physical activity in the workplace and one that provides support to employees for implementing physical, nutritional and cultural changes.
- In June, [UofL beat UK in the walking challenge](#), by more than 13,000 steps per participant!
- The Council participated in the Health & Wellness Committee of the Great Places to Work initiative and collaborated on proposals to increase employee access to fresh, healthy foods and to increase walking, bicycling, and stair usage.

COMMUNITY ENGAGEMENT

Sustainability Outreach

- The Sustainability Council supports [GreenList Louisville](#) through a full-page ad, on-campus distribution, and fielding UofL authors to write articles about their community engagement around sustainability.
- On July 6th, Philosophy professor, Avery Kolers presented on: "Competing Conceptions of Natural Resources and Ecospace Egalitarianism" at the Louisville Sustainability Forum.
- UofL Sustainability Initiatives were featured in a detailed public presentation at the August meeting of the [Greater Louisville Sierra Club](#).
- In August, UofL's Center for Environmental Policy and Management was named a recipient of a [technical assistance grant through the U.S. HUD Capacity Building for Sustainable Communities program](#). The Center collaborates with other UofL environmental centers as well as experts from other U.S. Environmental Finance Centers, providing technical assistance to communities in water infrastructure planning and investment as they engage in sustainable community planning efforts.
- Research program manager, Brent Fryrear, presented on sustainability efforts at national gatherings, including: "Sustainability Partnerships," Alliance of Hazardous Materials Professionals national conference, Austin, TX (Aug. 30); and "Keeping Your College Green," Community College Business Officers Leadership Academy (Sept. 17).
- UofL participated in the 12th annual [Healthy Foods, Local Farms](#) conference organized by the Sierra Club at the Kentucky Country Day School on October 15th. UofL organized carpools from campus for about 12 students, faculty and staff to participate and UofL Professor Brian Barnes lead a Learning Center on vermiculture composting and junior Angie Campbell represented UofL on a student panel in the Plenary Session "Super Students Working for Sustainable Food."
- On October 15th, the topic of UofL's [Saturday Academy](#) community enrichment program was "Foodwise/Food Warriors: Food Justice in the West End," featuring Karyn Moscowitz, Blain Snipstal, Portia White, Nathaniel Spencer and Myrna Brame with chef Derrick Jackson.

- The Sustainability Council was a promotional partner for "When Spirit Meets Action: Working Together In Response to Climate Change" with author and activist, Julia Butterfly Hill on October 24th at Bellarmine University. Car-free groups traveled from UofL.
- Justin Mog spoke on "Living Simply & Sustainably" to the Floyds Fork Environmental Organization (October 26th) and the Clifton Unitarian Universalists (January 29th).
- UofL participated in the November 2-7 "[Sacred Air: Breath of Life](#)" Festival of Faiths, with representatives on the student panel at the Nov. 3rd Youth Breakfast with Bill McKibben and a UofL Sustainability booth highlighting the role of campus trees in improving air quality. The Sustainability Council collaborated with UofL Photo Archives on the booth and UofL tree experts (Dr. Tommy Parker and grad students) were on hand at the booth to answer questions on Nov. 3rd.
- In the fall, teachers at UofL's [Early Learning Campus began forming weekly Green Teams](#) to teach about recycling and taking care of the Earth. The initiative will extend to ELC teachers and the students' parents as ELC develops teaching resources and resources about "going green" for parents to use at home.
- In spring 2012 five new "virtual stands" at Expo 21XX were created for sustainability initiatives at UofL, including: [Sustainability Council](#); [Conn Center for Renewable Energy Research](#); [Renewable Energy Applications Laboratory](#); [Kentucky Pollution Prevention Center](#); and [Office of the Vice President for Business Affairs](#).
- On January 24th, Justin Mog spoke on UofL sustainability to the Louisville Metro Energy Assurance Planning Summit organized by UofL's Center for Hazards Research and Policy Development, and hosted at Shelby Campus.
- In a January 24th "Conversation on Community Engagement," philosophy professor, Brian Barnes discussed how he incorporates service into his teaching through the use of composting in the community, and how natural processes, like composting, can become the foundation of community engagement for very diverse populations.
- In May, KIESD published the Spring/Summer 2012 issue of [Sustain: A Journal of Environmental & Sustainability Issues](#) with a focus on Active Transportation.

Student Engagement in Sustainability

- Over the summer of 2011, ten UofL graduate students in Law and Urban Planning, under the direction of Professor Tony Arnold, presented their 71-page [Urban Tree Canopy Plan](#) to the Community of Trees meeting. The work was done as a service learning project for Louisville Metro Parks, Community of Trees, and the Partnership for a Green City, and it is being used by those organizations as a foundation of an Action Plan for Louisville's Urban Forest. The Plan also received fall [media coverage](#).
- In July, UofL was named to the [2010 President's Higher Education Community Service Honor Roll](#), in recognition of its community service programs, practices and community partnerships, many of which directly relate to sustainability.
- On September 3rd, UofL's [Environmental Law & Land Use Society](#) organized a Beargrass Creek Clean Up and Critical Mass Bike Ride.
- On October 1st, 25 UofL volunteers with [Student Outreach Uniting Louisville \(SOUL\)](#) performed a Homecoming Service Project with Olmsted Parks Conservancy, working on invasive plant removal and restoration at Cherokee Park.
- On October 8th and 15th, UofL's [Biology Undergraduate Society](#) is organized volunteer student workparties to do invasive species removal with Olmsted Parks Conservancy at Iroquois and Shawnee Parks.
- On Oct. 25th, the Sustainability Education & Research Committee hosted a first-ever Student Sustainability Network meet & greet for students from SGA, SAB, and RSOs related to sustainability to meet and discuss plans related to sustainability.
- On Nov. 12th, UofL volunteers with [Student Outreach Uniting Louisville \(SOUL\)](#) helped local needy families winterize their homes in partnership with Project Warm.
- On Jan. 16th, about 150 UofL students participated in the [Martin Luther King Jr. Day of Service](#), co-organized as a SOUL project by the Engage.Lead.Serve Office, the Cultural Center, and the Anne Braden Institute for Social Justice Research, providing multiple service opportunities at a number of different organizations across the city.
- On Feb. 14th, [GRASS organized a UofL Bus to I Love Mountains Day](#) in Frankfort, allowing 20 students, faculty, and staff to participate in this annual day of lobbying against mountain-top removal mining.
- The Sustainability Council hosted a pledge-taking table at Spring Graduation Fair. About 70 graduating seniors took the UofL [Sustainability Graduation Pledge](#) drafted by SGA.
- The 2012 [Alternative Spring Break Program](#) featured several sustainability-related sites, including the "Hammerin' in the Hills" program with the Housing Development Alliance in Hazard, KY to provide Appalachian families with warm, safe and affordable homes; non-profit agencies in Chicago; and a partnership with the Black Mountain Community Garden in Asheville, NC focused on healthy food access for low income populations.
- From April 4-7, UofL's B.Eautiful Chapter of the Alpha Kappa Alpha Sorority sponsored a "Think Pink, Go Green" Mini-Week featuring a campus clean-up, voter registration, green pledge, and Seneca Park clean-up.
- From April 9-12, Delta Zeta students sponsored a "Pink Goes Green Week" designed to educate about energy conservation and environmental protection. Members promoted tips to each of the fraternity and sorority chapters about energy and water efficiency, reduced car-dependence, and recycling.
- In April, [UofL MBA students won prizes at the Idea State U business plan competition](#), including EcoVision's idea to create a manufacturing plan for highly affordable energy-efficient modular homes.
- On April 24th, the Resident Student Association hosted a small celebration of Earth Day with projects to make "flower bombs" and an opportunity to dialogue about how to incorporate sustainability into your life with UofL's Sustainability Coordinator, Justin Mog.

Sustainability in Continuing Education

- In collaboration with the Council, [UofL Lifelong Learning](#) offered several new and on-going courses related to sustainability for the general public in both the fall and spring, including: Edible Gardening; Introduction to Natural Foods. And [Online Courses](#): Luscious, Low-Fat, Lightning-Quick Meals; Introduction to Natural Health and Healing; Growing Plants for Fun and Profit; Going Green at Home; Going Green at the Workplace.
- On June 26th, Justin Mog led a training on incorporating sustainability into continuing education for 14 of the Delphi Center's [Professional Development](#) instructors at Shelby Campus.

EDUCATION & RESEARCH

CURRICULUM DEVELOPMENT

Green Threads Faculty Workshops – Sustainability Across the Curriculum

- On April 20th, the Sustainability Council collaborated with the Delphi Center to host a Dine & Discover Workshop on [Green Threads: A Conversation about Implementing Sustainability Across the Curriculum](#). Faculty participants heard from experienced Green Threads faculty and learned about best practices and emerging scholarship in teaching and learning related to sustainability.
- A new group of eight faculty members from various disciplines came together in April for [Green Threads IV](#) to meet participants from previous groups and to begin their own series of workshops on creative means of incorporating sustainability into their courses. Participants received an honorarium of \$500, local food meals, a field trip, training, and resource materials. They represent faculty from CEHD Teaching & Learning, A&S Psychology & Brain Science, SPHIS Health Promotion & Behavioral Science, A&S Anthropology, Kent Social Work, A&S Urban & Public Affairs, and A&S Communication.

Sustainability Courses

- Hundreds of [sustainability-focused and sustainability-related courses](#) are being offered across a wide variety of disciplines and others are under development.
- Professor Leslie Friesen's spring 2012 ART590 "Design for Public Issues" course adopted the Sustainability Council as the "client" for the class. Students worked with the Council all semester to create a professional, comprehensive suite of graphic design concepts for awareness-raising and behavior change around three themes: energy and water conservation; transportation alternatives; and local and sustainable food.
- In spring 2012, professors Russ Barnett, Paul Salmon, and Barbara Burns team-taught a new course called "Mindfulness and Sustainability" in which each of the twelve students were educated about mindfulness and energy use issues then assigned to influence behavior change in one of the residence halls engaged in the Campus Conservation Nationals.
- In Summer 2012, Urban & Public Affairs professor Frank Goetzke offered a Summer Excursion Course - PLAN 680: Shrinking Cities, to study sustainable urban shrinkage in Youngstown, OH, Detroit, MI and Cleveland, OH.

Developing Academic Programs in Sustainability

- In Fall 2011, UofL launched a [new dual master's degree in Urban Planning and Public Health](#). This innovative new dual degree program allows students to earn a master's in both Urban Planning and Public Health in three years. The combined degree gives students the opportunity to explore the connection between the health and the built environment (i.e., streets, parks, homes, buildings, shopping centers and public spaces.) Participants study how healthy places can be built and unhealthy neighborhoods can be reformed to improve the health of their residents. The dual degree, which was created in 2011 as part of a Louisville Putting Prevention to Work grant from the Centers for Disease Control, requires a total of 95 hours study.

RESEARCH

Sustainability-Related Research

- July 2011 [Research Minute: Invasive species at Cherokee Park](#). A day at the park for a UofL research team means using Louisville's Cherokee Park as a living laboratory. Biologist Margaret Carreiro and her students are studying the effects of such fast-growing, invasive plants as shrub honeysuckle on the park's ecology as well as the effects of clearing back those aggressive species to restore native plant life. She recommends that people know what they're planting in their own yards and that they choose plants that are not invasive. This work was also featured on [WHAS-11's Project Green](#).
- On July 9th, biology professor emeritus Charles Covell and other butterfly specialists led a public [butterfly count expedition at UofL's Horner Wildlife Sanctuary](#) in Oldham County, as part of a national inventory.
- In August, UofL's [Renewable Energy Applications Laboratory](#) erected an experimental [passive solar energy test building](#) on Belknap campus to further research and develop the [passive solar heat tube](#) technology piloted at Burhans Hall.
- Throughout the year, Justin Mog, assistant to the provost for sustainability initiatives, guest lectured in classes on UofL sustainability initiatives and worked with students in Smart Solutions for a Sustainable Society; Environmental Policy; Introduction to Public Health; Design for Public Issues; Art, Thinking and Social Change; Sustainable Design; Forms of Interdisciplinary Inquiry; Environmental Health; and Environmental Communication classes to involve student research in campus sustainability efforts.
- In fall 2011, six Electric Vehicle Charging Stations were installed in the Floyd St. Garage as a research project led by Professor John Naber (ECE), in collaboration with the Provost's Office, GE, LG&E, Bob Hook Chevrolet, and Kentucky Capital Development Corporation. These stations charge three campus vehicles: PHEV Prius, Weego & GEM.
- Electrical & Computer Engineering faculty involved students in applied research on a [solar-powered plug-in hybrid car](#).
- [A growing problem: \[UofL research shows\] Louisville is losing its big trees and not replacing them](#) (Courier-Journal, October 28)
- In December, AlphaJet announced that it will work with Honeywell to accelerate commercialization of a type of [biofuel for jets](#) developed by researchers at UofL's Conn Center for Renewable Energy Research.
- On April 13th at Papa John's Cardinal Stadium, student teams from UofL's Conn Center for Renewable Energy Research, Mechanical Engineering, Chemical Engineering, and Engineering Fundamentals competed in the annual [Mickey R. Wilhelm Solar Flight Competition](#) to determine which team has built the best solar powered aircraft.
- [\[UofL researchers find\] Louisville air is better; concern remains in some neighborhoods. Some chemical levels still high; sampling cut back](#) (Courier-Journal, April 21, 2012)
- [\[UofL Researchers and\] Urban group want to help cool down Louisville's heat island: A study shows Louisville may be getting hotter at a faster rate than other large U.S. cities](#) (Courier-Journal, May 6, 2012)

AWARENESS-RAISING

Public Sustainability Events at UofL

- UofL's Urban Design Studio organized the 19th, 20th & 21st public programs in its popular [Sustainable City Series](#), reaching hundreds of citizens with forums and workshops focused on Agrarian Urbanism (July 19); Creating a Healthy, Vibrant Louisville with internationally renowned livable city advisor [Gil Peñalosa](#) (March 13th); and Trees, Cities, and Climate Change: How Louisville Can Cool Itself Down (June 5th).
- On September 1st, biology professor and Wallace chair of conservation, David Reed, presented during the Meet the Professors series on "Thailand's Tropical Forests: Eight Years of Experiences and Field Research."
- On September 16th, UofL's [Urban Design Studio](#) again helped co-organize [Park\(ing\) Day](#), a global effort to transform metered parking spaces into pocket parks and to draw attention to how we use our public space. UDS converted a space in front of the studio and hosted an interactive exhibit entitled *Occupied: The Space Between Buildings*.
- On September 19th, KPPC Executive Director Cam Metcalf was a featured speaker in the local and state networking webcast "Champions of Energy Star – Profiles in Leadership" that highlighted 2011 Energy Star award winners and discussed opportunities for recognition with Energy Star.
- The Sustainability Council collaborated with PEACC to help organize and promote a [Week Without Violence](#) September 19-27, as part of an annual worldwide campaign created by the YWCA to encourage communities to think and act towards a world without violence.
- The Sustainability Council organized a full Sustainability Week at UofL Oct. 17-23:
 - Monday, 3pm – Colombian activist John Henry González on agrarian reform and the protection of workers' rights
 - Monday, 4:30pm – Rachel Durschlag, Chicago Alliance Against Sexual Exploitation, sponsored by [Cards 4 Freedom](#)
 - Monday, 5pm – Tour of UofL's LEED Gold certified CTR Building, hosted by UofL's USGBC Student Chapter
 - Tuesday, 4pm – Architect Gary Kleier on "Green Renovation, Restoration and Reuse in Historic Buildings"
 - Tuesday, 6pm – [Book-in-Common Keynote with author Wes Moore](#)
 - Wednesday, 10am-2pm – [Campus Sustainability Day](#) Fair with free shredding and recycling of personal papers & disks.
 - Wednesday, noon – Let's Talk Lunch: "Why Going Green Ain't Gonna Cut It. Sustainability's foundations in socio-economic justice"
 - Wednesday, 5:30pm – Sustainability in Peace Corps – Impacting Communities at Home and Abroad
 - Wednesday, 6pm [Biology Undergraduate Society](#) event highlighting biology internships, and undergraduate research
 - Thursday, 10:30am-2pm [Gray Street Farmers' Market](#) at HSC
 - Thursday, noon – Shelby Campus Green Team Brown Bag Session: Sarah Lynn Cunningham, Louisville Climate Action Network
 - Thursday, 5pm & 7pm – [Farm to Table dinner](#) on The Ville Grill patio.
 - Thursday, 6pm – Outstanding Community Engagement Awards (Brian Barnes receives faculty award for composting work)
 - Friday, 1:30pm – Chad Montrie: "Confronting Environmental Mythology, Making a New Environmental Movement"
 - Friday, 4pm – [Campus Sustainability Walking Tour](#)
 - Friday – Sigma Pi sponsors Game Day Recycling at State Fairgrounds tailgating before UofL home football game vs. Rutgers
 - Friday-Sunday – [Bluegrass Bioneers Conference](#) featuring Family Day, Re-skilling Fair, Peace Mini-Fair, and local Iron Chef Dinner
 - Saturday, 8:30am-Noon – Volunteer Opportunity: Central Park Clean-up (part of the [Mayor's Week of Service](#))
 - Saturday, 10am-2pm – [How Can We Best Serve Conference](#)
- All week: Fall Harvest week at The Ville Grill, featuring fresh, seasonal foods from our local area
- On Oct. 24th, UofL screened the new documentary film, [SAK VID PA KAMPE: An Empty Sack Does Not Stand Up \(Haitian Proverb\)](#), sponsored by the Debate Society and the Garden Commons. The film chronicles the struggle for food sovereignty in Haiti since the 2010 Earthquake, and focuses on the solutions to the impoverishment and vulnerability of the Haitian populace, as being implemented by organized rural Haitians. Followed by Q & A with film director and UofL graduate, Stephon Barbour, and Anthropology/PAS Professor Dr Yvonne Jones, as well as local solidarity leaders.
- On Oct. 25th, the School of Urban & Public Affairs speaker series presented Dr. Melissa Merry, UofL Political Science on "Framing Disaster: Environmental Groups' Response to the Gulf Oil Spill of 2010"
- The Muhammad Ali Institute organized Peace & Justice Weeks: A New Conversation on Equality from October 31 – November 16 including a variety of lectures, discussions, an open house, and a visit from Harry Belafonte's daughter, Gina, speaking at a screening of the documentary [Sing Your Song](#) about his activism in the civil rights movement and his work for social justice.
- The Nov. 3rd Boehl Distinguished Lecture in Land Use Policy featured University of Baltimore professor of Law, Audrey McFarlane on "Rebuilding the Public Private City: Insights for Redevelopment from Regulatory Takings and Critical Race Theory."
- On Dec. 2nd, UofL hosted a free screening of the documentary, [Mother: Caring for 7 Billion](#) which connects the often-neglected topic of overpopulation to issues like overconsumption, climate change, and social justice. Afterward, there was an opportunity to connect with groups directly involved in addressing problems like overpopulation and social injustice.
- UofL's Cressman Center for Visual Arts hosted an exhibit Jan. 27 to Feb. 25 called ["Consumed" by Alysia Fischer](#), featuring sculptures constructed from discarded inner tubes.
- On Feb. 1st, the Department of Anthropology, Sustainability Council, Urban & Public Affairs, and the Kentucky Institute for the Environment and Sustainable Development co-sponsored a lecture by author [Mark Winne](#): Good Food for All: Food Democracy or Food Tyranny?
- UofL's Social Change program sponsored a spring 2012 Green Economics Lecture Series: Feb. 3 - [Juliet Schor](#), co-founder of the Center for a New American Dream and Professor of Sociology at Boston College. March 23 - [Susan Taylor, PhD](#) from Louisville's own [Just Money Advisors](#) on the role of large and small investors in environmental justice. March 30th - [David Ruccio](#), Notre Dame Economics professor and author of *Rethinking Planning, Development, and Globalization*. April 6th - [Frank Goetzke](#), UofL professor of Urban & Public Affairs, and expert in urban and regional economics, applied microeconomics and econometrics, transportation planning, and environmental policy.
- On Feb. 28th, the Shelby Campus Green Team sponsored [Shelby Campus: Partnering for Sustainability](#), a lunch panel highlighting ongoing sustainability initiatives at UofL's Shelby Campus and surrounding businesses; the importance of partnerships in sustainable development; and how to get involved in making the Shelby Campus community and neighboring areas more

sustainable. Panelists included Larry Owsley, UofL V-P for Business Affairs, Stephanie Weldy, UofL Get Healthy Now Program, Maria Koetter, City of Louisville Sustainability Director, Mitch Brooks, Northeast YMCA, and Ellen Briscoe, UofL Foundation.

- On March 6th, the Conn Center for Renewable Energy Research Seminar featured Jane Davidson, professor of mechanical engineering from the University of Minnesota, presenting on "SunGas: Renewable Thermochemical Fuels."
- On March 7th, UofL's [Theatre Arts Repertory Company](#) presented "[Whose Habitat Is It Anyway?](#)" a play by Nefertiti Burton teaching respect for the environment and how all living things are connected.
- The 2012 Minx Auerbach Annual Lecture in Women's & Gender Studies on March 22nd featured eco-feminist, public interest attorney and social justice activist, [Norma Ramos](#).
- On March 29th, [GRASS](#), in partnership with [Kentuckians For The Commonwealth](#), hosted a special film event to kick-off UofL's first-ever energy conservation competition, with screenings of [Deep Down: A Story from the Heart of Coal Country](#) and [Kilowatt Ours: A Plan to Re-Energize America](#), plus a brief address from KFTC's Mary Love about her personal experiences fighting mountain-top-removal in Appalachia.
- On March 31st, graduate students organized the [TEDxUofL](#) conference, a program of local, self-organized events that bring people together to share ideas worth spreading. UofL's first TEDx conference addressed the "3Es for the Future: Education, Entrepreneurship & Environment," highlighting the skills needed in a global economy (Education), the habitat of tomorrow (Environment), and the enterprising spirit to make it all happen (Entrepreneurship). The day-long event featured a diverse group of live [speakers](#) from the Louisville area, all of whom were [recorded for future viewing online](#).
- UofL Athletics hosted a "Green Week" during the first week of April when UofL had several free home games (baseball, softball, tennis, and lacrosse) at which fans were encouraged to live a more green lifestyle through announcements, demonstrations, free reusable items, and informational booths.
- On April 4th, the A&S Office for International, Diversity and Outreach Programs sponsored a performance of "[The New Wilderness Project](#)." The project is co-directed by Maketa Wilborn and Benjie Howard, and is a partnership of educators and artists that focuses on social justice, stewardship for the environment and community development.
- The Sustainability Council sponsored the April 11th Let's Talk Lunch on Energy Use & Appalachian Justice at the Cultural Center.
- On April 17th, the Sustainability Council sponsored the fourth annual [Climate Change Teach-In](#), an outdoor fair to raise awareness about global climate change and what we can do to address it. Booths included: Cards Go Green! Pledge; Tree Campus USA and Belknap campus Tree Tour; Learn to fix your bike; Bicycling for Louisville; GRASS; Office of Health Promotion; UofL Dept. of Geography & Geosciences; Louisville Metro Air Pollution Control District; KAIRE (Idle-Free Louisville); Renewable Energy & Energy Efficiency Club; Garden Commons; and Louisville Water Company. [Photos](#). There was also an evening screening of the film [Carbon Nation](#) and a discussion between Dr. John Cumbler, UofL Professor of Environmental History and Dr. Keith Mountain, UofL Professor of Geography & Geoscience, an expert in the science of global climate change.

On-campus Outreach

- Through UofL Today, the Council publishes weekly [Green Tips](#) and a monthly [Green Scene](#) column, featuring stories written by various members of the UofL community engaged in sustainability. Green Scene columns included: [A great food city and beyond](#); [Students make it happen with low-cost solar](#); [Wrapping your mind around reducing campus energy use](#); [UofL loves mountains](#); [Giving your green to ensure UofL stays green](#); [Composters wanted](#); [Team promotes sustainable practices on Shelby Campus](#); [Strides in the journey, but mountains to climb](#); [What is sustainability?](#); [Help make our campus fair – trade, that is](#); [Sustainable Changes](#); and [Environmental mindfulness](#). Some of these columns are reprinted in [GreenList Louisville](#).
- [Green Tips](#) also cycle through the lobby monitor slideshow in the Student Activities Center and are included in monthly [Campus Health News](#), [Get Health Now Highlights & Happenings](#), [UofL Connection alumni newsletter](#), and [The FRY \(Your First Rate Year\)](#).
- Throughout the year, the Council continued to update and expand its comprehensive [UofL Sustainability website](#), featuring sustainability-related [News](#), [Events](#), [Green Tips](#), [Links](#), ways to [Get Involved](#), and text, photos, and videos describing the work of the [Council](#), [Operations](#) Committee, [Education & Research](#) Committee, and [Administration, Finance & Outreach](#) Committee.
- The Council launched a [UofL Sustainability Facebook Group](#) to directly engage and communicate with people through a social media platform. Announcements and news about UofL Sustainability were also shared through related groups on Facebook.
- In August, the Council kicked off the year with a special opportunity for UofL students to influence the national dialogue about sustainability, hosting a student roundtable with Presidential Appointee, Shyam Reddy, the Southeast Sunbelt Regional Administrator for the U.S. General Service Administration (GSA).
- The Sustainability Council collaborated with the Office of Health Promotion, on two [Car-Free Grocery Store Tours with a Registered Dietician](#) on Sept. 23rd and Oct. 28th. Students learned how to buy fresh, affordable, healthy food, and received reusable shopping bags, coupons for items on the Basic Pantry Shopping List, recipes and incentives. [Video](#). Follow-up cooking workshops were held on campus Feb. 14th.
- The Office of Health Promotion sponsored Body Awareness Body Appreciation (BABA) Week Feb. 27 to March 2nd, featuring keynote speaker will be [Bryant Terry](#), a chef, food justice activist, and author of three books, including [The Inspired Vegan](#).
- In March, Justin Mog consulted with the School of Music about sustainability initiatives, at the invitation of Dean's Assistant, Deborah B. Hawley, and facilities coordinator, Angela Keene. Topics discussed: Replacing disposable coffee cups with reusables; Eliminating bottled water; Replacing disposable batteries with rechargeables; Adding UofL Sustainability slides to the lobby monitors; Placing cue stickers over light switches; Replacing individual small office refrigerators with common fridge; Installing more bike racks; Pairing recycling and trash bins throughout the building (possibly removing some trash bins); Setting copier/printer to automatically duplex (and possibly removing cover-sheet defaults); Digital document sharing; Solving problem of power outages resulting in destruction of \$50 stage lighting bulbs; Vending machines – Removing bottled water, turning off lights, or removing all together.
- In 2011, the [REACH](#) (Resources for Academic Achievement) program eliminated disposable cups in the REACH Welcome Center, replacing about 120 paper cups per day with reusable UofL Sustainability travel mugs made in the USA of 100% recycled plastic. The mugs cost students \$1, with all proceeds going to fund sustainability projects at UofL, and are distributed with green tips.
- New pages will be added to the [UofL Sustainability website](#) to highlight sustainability initiatives around Information Technology, Stormwater Management, Peace & Justice, and Student Housing.

STUDENT ENGAGEMENT

Sustainability in New Student Orientation

- The Council again collaborated with Admissions, the Office of Health Promotion, and the Office of First-Year Initiatives to expand new student exposure to sustainability issues and practical means to contribute to campus sustainability.
- Sustainability was integrated into summer new student orientation sessions (May 24 – June 28):
 - The Sustainability Council teamed with the Office of Health Promotion to providing reusable UofL Sustainability water bottles (made in USA of 100% recycled materials) to all new students (2700), with water filling stations in SAC MPR, Strickler Lobby, Bigelow Hall.
 - In-person training was provided for all 28 student Orientation staff (SOSers) on 10 key sustainability points.
 - Themes of diversity, personal responsibility, human rights, and responsible spending integrated into evening skits.
 - UofL Sustainability banner & Tree Campus USA flag were hung in the SAC.
 - Sustainability Council ads including a Cards Go Green! Pledge were published in the Summer Orientation Guide magazine.
 - Campus sustainability clue was included in the mandatory "Cardinal Challenge" text message scavenger hunt.
 - Sustainability slides were added to a pre-show slideshow during gathering.
 - UofL Sustainability buttons were provided for Orientation staff (35)
 - Reusable shoulder bags made with recycled material content were provided to all families.
 - GRASS tabled at the Cards Expo during lunches on the 2nd day of Orientation and got 95 sign-ups.
 - Sustainability Council representatives were present at each session's Family Orientation reception.
 - Sustainability-related posts were included in the [Admissions blog](#), including [Research Minute – Solar Powered Car](#) (June 28, 2012) and [College of Business building \[green roof\] dedication](#) (June 5, 2012)
 - Lobby monitor for Building Dashboard was installed at Unitas Hall, where all attendees stay, the last week of June 2012.
 - One-third of food served was local and identified as such on the menus, along with a leaflet stating "U of L Likes Local" with five reasons why the university supports the use of local food and a list of campus sustainability efforts
- [Green Tips](#) cycled through the lobby monitor slideshow in the Student Activities Center and were included monthly in [Campus Health News](#) and [The FRY \(Your First Rate Year\)](#).
- For the first time, in fall 2011 a sustainability module was incorporated into GEN 101 A&S orientation courses as part of the involvement lesson. All 19 instructors were trained by Justin Mog and given handout materials explaining how to get involved in campus sustainability.
- Several sustainability-oriented events were integrated into Welcome Week 2011 (August 17-24) and featured in the Welcome Week and Beyond Campus Event Guide:
 - Exhibit at Ekstrom on Louisville & the Peace Corps;
 - Car-Free Lunch Trip to the Gray St. Farmers' Market;
 - Discover Old Louisville Walk featuring local businesses and healthy local food options;
 - Cardinal Quest featured a UofL Sustainability table, recycling robot (one of the treasure hunt clues), bike blender smoothies, and free bike tune-ups; and the Council sponsored one of the prize bike giveaways;
 - The Council organized and co-led a [SOUL volunteer work-site](#) focused on sustainable urban agriculture at [Breaking New Grounds](#), and introducing students to the TARC bus system to reach the site;
 - The UofL Involvement Fair featured a UofL Sustainability table, recycling robot, and free bike tune-ups; and
 - A transportation alternatives table was installed in the commuter students lounge.

Student Groups for Sustainability

- The Sustainability Council advised SGA representatives about sustainability (especially Cara Monaco, Services VP; Georgia Turner, Task Force Freshman assigned to sustainability; and Jeremy Bozarth, Chair of the Senate Sustainability Committee). SGA's priorities in sustainability for 2011-12 included: installing rain gardens as outdoor classrooms and (artistic) bike racks; creating a Belknap (bi-monthly) farmers' market; increasing awareness of recycling; an anti-bottled water campaign and SAC filling station; fundraising for sustainability through t-shirt making contest; increasing student involvement in sustainability; supporting and expanding the campus garden; and adopting Stansbury Park.
- UofL's collaborative Team Kentuckiana continued organizing for the 2013 [Solar Decathlon](#), a national competition amongst university students to design and build a 600-1000 sq. ft. fully solar-powered house. In fall 2011, the team submitted a comprehensive proposal for the 2013 competition, and in January, it was announced that the [UofL-led team was one of 20 accepted into the 2013 Solar Decathlon!](#)
- UofL's [Student Chapter of the U.S. Green Building Council](#) continued to study/advance the principles of LEED design. On Sept. 15th, the group hosted Sarah Easton, the national student chair of the USGBC. On Oct. 17th, they hosted a tour of UofL's LEED Gold certified CTR Building. On Oct. 18th, they sponsored a lecture by architect Gary Kleier on "Green Renovation, Restoration and Reuse in Historic Buildings." On Feb. 27th, they hosted a tour of green architects Arrasmith, Judd, Rapp, Chovan Inc.
- The UofL student chapter of Engineers Without Borders met regularly and worked on projects to combine engineering innovation with a humanitarian mission to meet the basic needs of communities around the world (food, water, shelter, etc.). In the spring, they helped install rain barrels in the Clifton neighborhood of the Green Triangle.
- [UofL's Renewable Energy & Energy Efficiency \(RE3\) Club](#) met regularly to work on applied projects and hosted a series of lectures and workshops, including the April 6th presentation by the [BlueSky Foundation](#) working to bring sustainability and renewable energy to the Third World, and the April 20th presentation by the Louisville Biodiesel Cooperative.
- On Feb. 24th, Justin Mog spoke on UofL sustainability to the newly reforming Geography Club. On Feb. 29th, the Club hosted a screening of [Gasland](#), a Sundance Film Festival winning documentary about the controversial issues surrounding hydraulic fracture drilling for natural gas.
- On March 3rd, [UofL's Biology Undergraduate Society](#) sponsored a volunteer day with Olmsted Parks Conservancy at Seneca Park.
- The [Housing Green Committee](#) continued its excellent work of raising awareness amongst students throughout the year. In the spring, a major focus was around UofL's participation in the national [RecycleMania](#) competition.
- The student environmental group, [Group Recycling and Sustainable Solutions \(GRASS\)](#), was dormant most of the fall due to a lack of leadership, but began reorganizing at the end of November.