

Welcome: Visit Our Partners



City of Leawood

Leawood Cultural Arts



The Leawood Foundation



Leawood Information Services

Leawood Public Works



"breaking the cycle of poverty through community development"



Leawood Parks & Recreation:

Rain Gardens

Urban Forestry



7th Annual Sustainability Summit

Together we can do more!



Agenda

Welcome

Mayor Peggy Dunn

Sustainability – Together We Can Do More

Debra Filla

- Shout Out and Share
- Battle of the Brains – Olathe North H.S. & Leawood Elementary

- “We the People Award”

Green Mobility

Brian Anderson

- Self-Propelled Leawood – Master Pedestrian & Bike Plan
- Walk/Bike to School and Bike Traffic Skills Class

Recycling

Gareth Matthews & Julie Cain

- What are we throwing away?

Conservation

Dick Cooper

- Earth COR
- KC City Energy Project
- Every Last Drop

Jennifer Gunby

Debra Filla

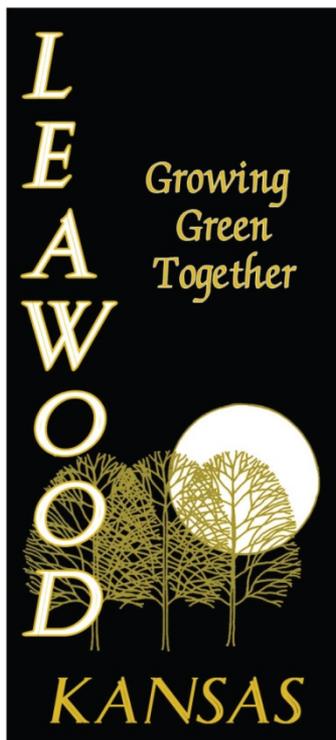
Raffle Drawing and Wrap Up

Chris Schultz

Visit Our Partner Booths/Tables

SUSTAINABILITY ADVISORY BOARD

“Our mission is to **lead, motivate, and collaborate** with Leawood citizens to increase recycling, encourage conservation, and promote ‘**green**’ mobility options in the **City of Leawood.**”



Established as a Task Force in 2009
and became a standing committee in 2010.

YOUR SUSTAINABILITY ADVISORY BOARD ...

- 9 Volunteers Serving 2-Year Terms
- 1 Honorary Member and 2 City Council Members
- 3 Parks & Recreation Staff Liaisons

Leawood Sustainability Advisory Board



Debra Filla, Chair
Council Member
Ward 1



Alicia Jennings
• Safe Routes
• Bike/Walk to School



Bob Pierson
• Waste Management
• Recycling



Julie Cain, Vice Chair
Council Member
Ward 4



Gareth Matthews
• School Outreach
• Energy Conservation



Jim Potter
• Recycling



Martha Conradt
• PR, Newsletter
• Website, Media



Scott Pashia
• Education



Chris Schultz
• Project Manager
• Marketing, Promoting



Mike Gillaspie
• Energy Conservation



Open Position
• Making a Difference

Honorary Member

- **Kevin Jeffries, President & CEO**
Leawood Chamber & Economic Development Council

Staff Liaisons

- **Chris Claxton, Director of Parks & Recreation**
- **Brian Anderson, Parks Superintendent**
- **Marica Putman, Administrative Graphics Tech**

Interest Card & Raffle

Leawood Sustainability Advisory Board

7th Annual Leawood Sustainability Summit

Interest Card

Please share your contact information so you can receive information and updates on occasion from the Sustainability Advisory Board and assist us in keeping accurate records.

Name _____

Address _____

Phone Home Cell Work _____

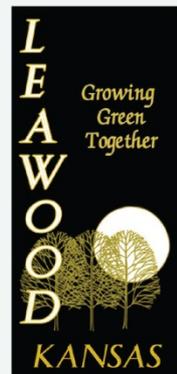
HOA _____

Phone Home Cell Work _____

HOA Position _____

Email _____

May we share your information with other HOA officers? Yes No



Please let us know what topics are of interest to you. Rank these topics, with 1 being the topic you would be most interested in hearing about at next year's annual meeting.

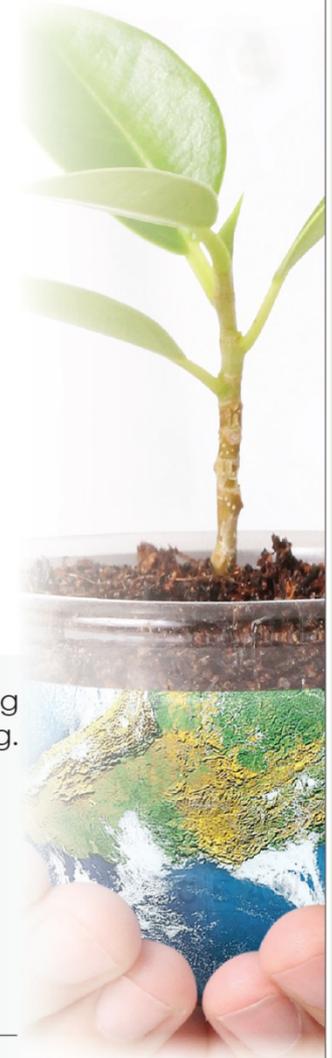
Recycling: _____ Recycling/Waste Management/Hazardous Waste

Conservation: _____ Stream Team _____ Trees _____ Rain Gardens & Rain Barrels

Green Mobility: _____ Bike/Walk to School, Walking School Bus
_____ Complete Streets (*safe access for all - pedestrians & bicyclists*)

_____ **Sustainability (Green) Education**

_____ **Other** _____



Shout Out and Share!

Brightwater HOA



You can also access this website at www.brightwaterhoa.com. Pass it along to your neighbors!

Together we can do more! Thank you for helping make Leawood a greener city. Here are upcoming events from the Leawood Sustainability Committee you are invited to participate in!

International Walk / Bike to School Day -
Wednesday, Oct. 8, 2014

This event promotes physical activity, helps children become safer pedestrians and

International Walk / Bike to School Day -
Wednesday, Oct. 8, 2014

This event promotes physical activity, helps children become safer pedestrians and bicyclists, and it's great for the environment. Please encourage your children to walk or bike to school, and teach them to navigate the roads safely. Motorists, please be mindful of children walking and biking to school. Check to see if your local school is participating.

Recycling Extravaganza - Saturday, Oct. 18,
2014

Make plans to recycle just about anything you can, from electronics to books, shoes, bikes, building materials and more. This event will be held at Black & Veatch, 11401 Lamar Avenue, Overland Park, from 8 a.m. - 2 p.m. Learn more here:
<http://www.leawood.org/committees/sab/te>

SAB Annual Meeting - Thursday, Feb. 26,
2015

The SAB is hosting its 7th annual meeting on Thursday evening, Feb. 26, at The Lodge at Ironwoods Park. Come hear about sustainability activities, meet new neighbors, learn about local organizations and businesses contributing to Leawood's sustainability efforts, and what's new in our city. Everyone has a role in making Leawood a greener city. Changes to your HOA board's contact information? Give us a call at 913-663-9100.

Sustainability

Together we can do more!

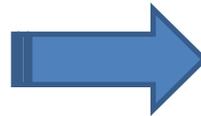




August 19, 2014

The day that we humans exceeded our annual environmental budget.

The Trend



What's your Footprint?

Take the Quiz

www.globalfootprintnetwork.org

World Overshoot Day	
Year	Overshoot Date
1987	December 19
1990	December 7
1995	November 21
2000	November 1
2005	October 20
2007	October 26
2008	September 23
2009	September 25
2010	August 21

Sustainability

Together we can do more!

**China's Toxic Air Pollution
Resembles Nuclear Winter
March 2014**



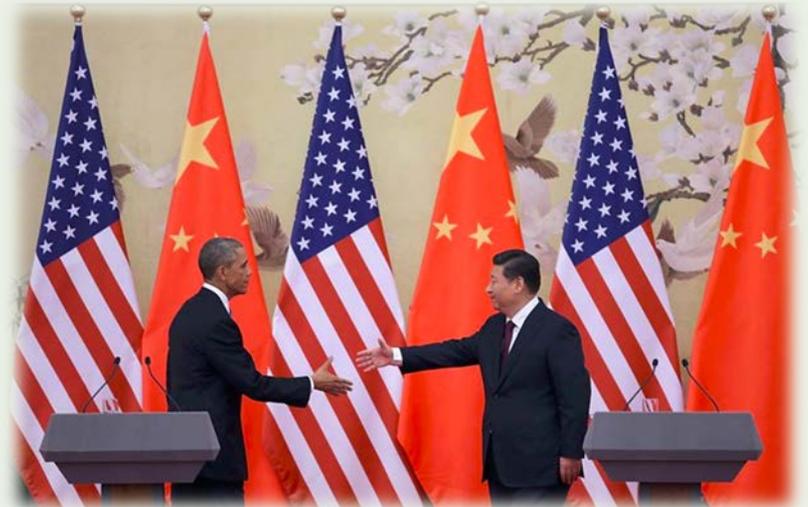
Sustainability

Together we can do more!

**China's Toxic Air Pollution
Resembles Nuclear Winter
March 2014**



**U.S. and China Reach Historic
Climate Change Accord
September 2014**





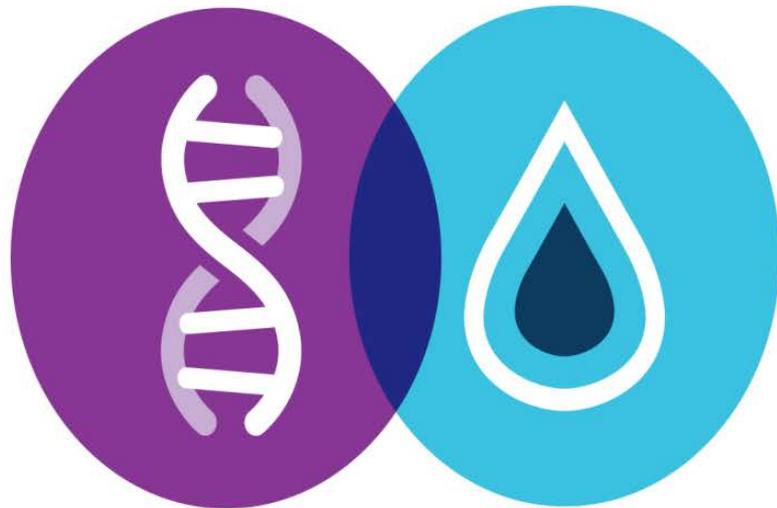
What Can One Person Do?

- ✓ at home
- ✓ at work
- ✓ at school
- ✓ at our place of worship

**Challenge this evening:
5 NEW Green Things**

Battle of the Brains

Science City



twoBIG
new Science City
EXHIBITS

Inspired by kids, built by Burns & McDonnell.

Battle of the Brains

Olathe North H.S.

“Every Last Drop”



Battle of the Brains

Leawood Elementary

“Genetics: Unlock the Code”



Sustainability

Together we can do more!

“We the People” Award





“We the People” Award

- Corinth PTO – Lora Kokjer
- Corinth School Nurse – Kristen Albert
- Prairie Village Public Works – Keith Bredehoeft
- Prairie Village City Council – Charles Clark
- Leawood Public Works – Joe Johnson & David Ley
- Leawood SAB & BFC – Alicia Jennings
- Leawood City Council – Debra Filla



“We the People” Award

Merged Lane becomes Right Turn Only





“We the People” Award

Narrow Sidewalks Are Widened



'Green' Mobility

Self-Propelled Leawood

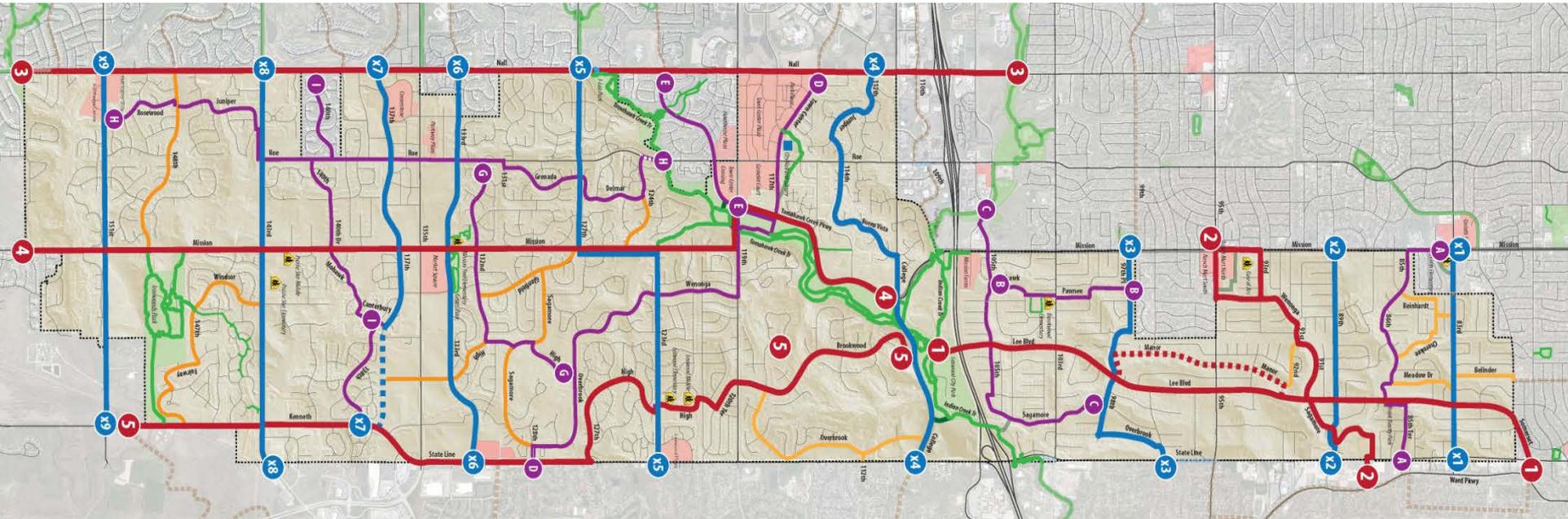




- **Walk/Bike to School**
- **Street Improvements**
- **Sidewalk Improvements**



The Self-Propelled Leawood Network



-  Principal Routes
-  Crosstown Routes
-  Bicycle Boulevards
-  Neighborhood Connections
-  Multi-Use Trails

Walk/Bike To School
May 6 and October 7

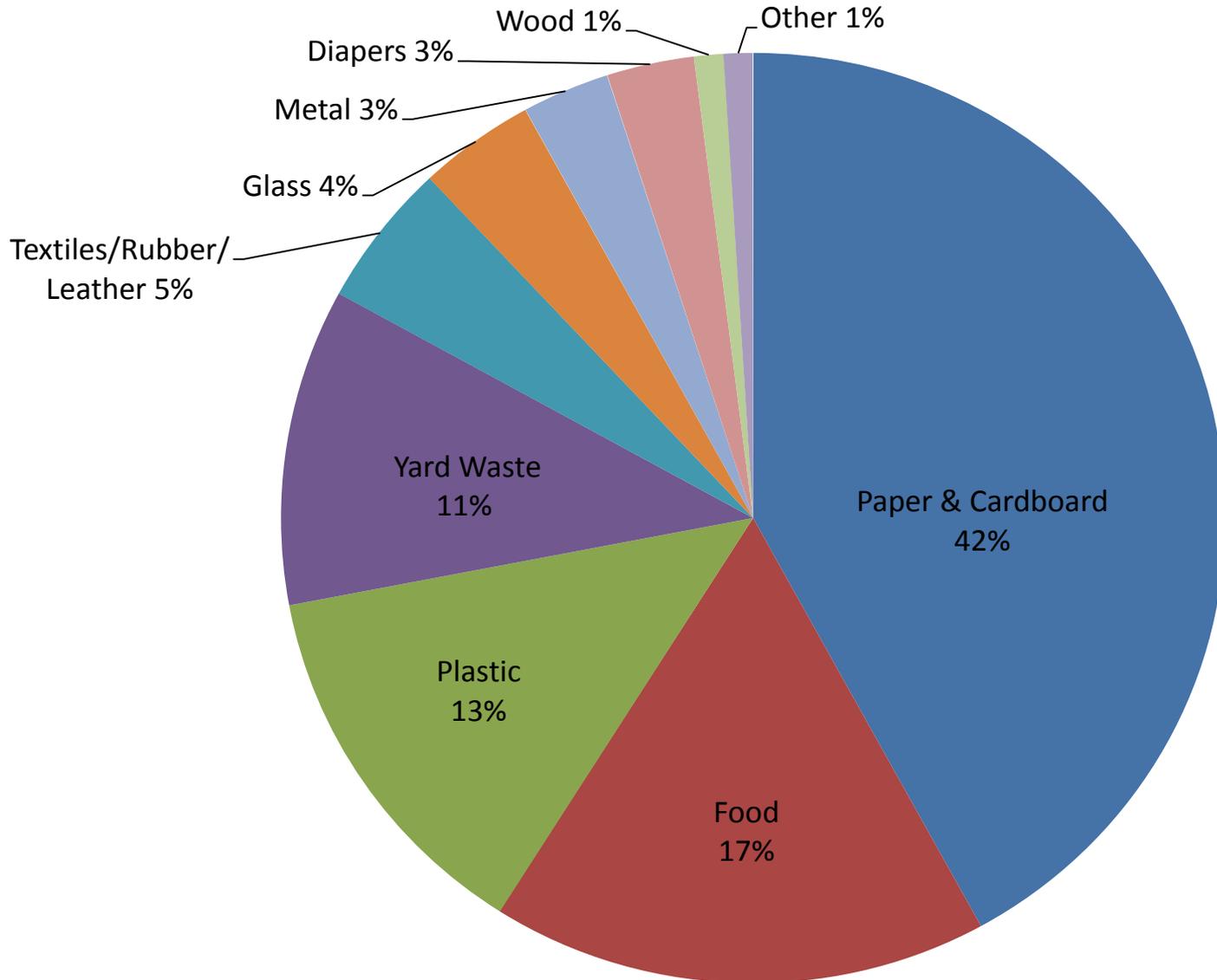
The Art of Street Cycling:
Freedom to Ride
April 23, April 30, May 7



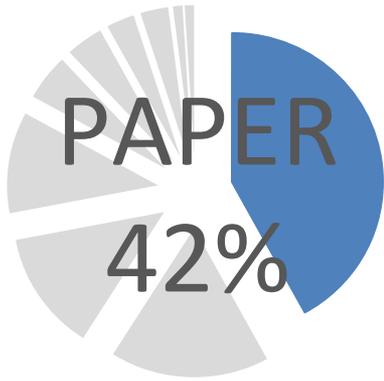
Recycling



Johnson County Landfill Waste (by type)



2008 data



The Good News

65% of paper and paperboard is recycled.
91% of corrugated cardboard is recycled.

The Bad News

1 billion trees' worth of paper is thrown away in the U.S. each year.
40% of all waste going to the landfill is paper.

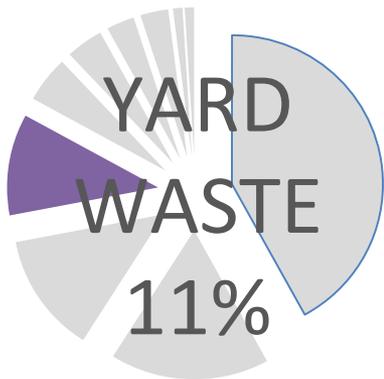


The Good News

Plastics 1-7 are picked up via curbside recycling in Leawood.

The Bad News

Americans use 2.5 million plastic bottles/hour.
Only 27% of these bottles are recycled.
Only 1% of plastic bags are recycled.



The Good News

Leawood residents can separate yard waste from trash for collection.

The Bad News

In the U.S., 50% of summer yard waste is grass clippings which could instead be returned to the grass. 60-80% in the fall are leaves.

- Paper recycling requires long paper fibers relatively free of contaminants.

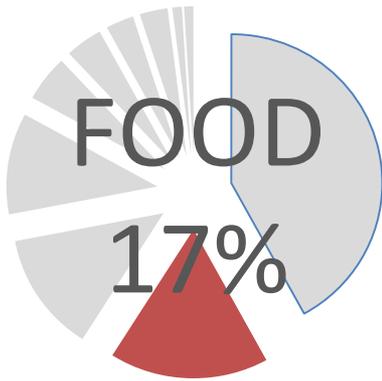


- Look for these symbols on plastics:



- For yard waste, either mulch it, compost it or separate it.





Food is 3rd largest segment of the waste stream ...

.... but also the least recovered & recycled



Composting food waste would annually reduce the same amount green house gas emissions as:



Removing 4 million cars from our roads



Conserving 2 billion gallons of gas



Offsetting the electricity consumption of 2.5 million homes

Opportunities to compost are everywhere

- The average U.S. family throws away 474 pounds of food waste each year.
- Restaurants, grocery stores and business cafeterias generate huge amounts of food waste ... even our schools do.

FACT: 58% of the waste produced by the average elementary school is compostable (i.e., food, liquid and non-recyclable paper).

Leawood Kids Making a Difference

- Mission Trail Elementary School began composting this school year.
- The school's 420 students have reduced cafeteria trash by over 80%.
- 8 to 10 tons of waste will be diverted from the landfill this school year.



Joining Brookwood Elementary
which began composting in 2011.



Sustainability Speaker Series

Backyard Composting

Saturday, May 16, 1-2:30 p.m.
Ironwoods Park - Nature Center



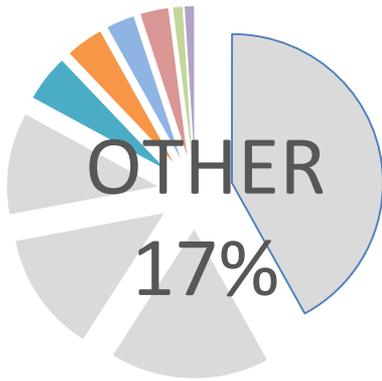
2014 School Sustainability Leadership Awards



***Curé of Ars Catholic School
Recycling Bins***



***Mission Trail Elementary
Compostable Bin Liners***



Much More Can Be Recycled

- **5% Textiles** Rubber - Leather - Clothing - Carpet
- **4% Glass** Containers, CFL light bulbs
- **3% Metal** Box Springs - Appliances - Electronics
- **3% Diapers** NOT recyclable – consider cloth
- **1% Wood** Furniture - Construction materials
- **1% Other** Hazardous Waste - Paints and solvents
Batteries - Prescription drugs

Learn more:

RecycleSpot.org

jocogov.org/dept/health-and-environment

Reuse. Reduce. Recycle.

- **You** Curbside – Special Facilities
- **HOA** Trash / Recycling / Communication
- **City** Leawood Sustainability Committee
- **County** JoCo Environmental Division
- **MARC** **Mid America Regional Council**
Solid Waste Management Division
119 Cities – 9 Counties – 2 States

The Average Person: Generates 7 pounds of trash a DAY / a TON per YEAR

MARC Goal: Divert 80% by 2023 = Foster Regional Cooperation = Grant Program

Mattresses

- Take up 23 cubic feet of space
- Damage landfill equipment
- Do not easily compress
- 100% recyclable

REUSE



RECYCLE



1. Fabrics - cotton / polyester
2. Foam
3. Shoddy – reclaimed wool
4. Wood
5. Metal – box spring



Sustainability Speaker Series

Everything You Wanted to Know about Recycling

Craig Wood

Johnson County Environmental Dept.

Saturday, June 6, 9:30-11:00 a.m.

Leawood Community Center

Stop by and visit Craig's table!

Conservation





 **Earth COR**

"Environmentalism and Recycling at the Church of the Resurrection"

Executive Summary

2015

Dick Cooper

"Environmentalism and Recycling at the Church of the Resurrection"

To serve as faithful stewards of God's creation by:

- **Continually developing procedures to reduce, reuse and recycle.**
- **Providing leadership and resources for community-wide environmental education.**
- **Continually expanding the congregation's awareness of the need to care for our planetary home in creative, healing ways.**



Within the Church:



- ❑ Encourage recycling and other sustainable practices by analyzing alternatives.
- ❑ Inspire members to think and act through Christian environmental stewardship.
- ❑ Plan and host events focused on environmental issues and ideas.

Within the Community:

- ❑ Celebrate the church's efforts to care for the environment
- ❑ Provide a model for church program design
- ❑ Collaborate with other churches in organizing and facilitating programming designed to care for the environment
- ❑ Participate regularly in the Sustainable Sanctuary Coalition, a like-minded consortium of congregations, including other faith traditions
- ❑ Represent Church of the Resurrection at community and area-wide environmental events



About the Church



The United Methodist Church of the Resurrection has grown from four people in 1990 to over 21,220 adult members with an average weekly worship attendance of over 9,400 in 2014. The church was listed as the most influential mainline church in America in a 2005 survey of American pastors, and is one of the largest congregations in the Kansas City area.

The Church is located between Nall and Roe on 135th Street in Leawood, Kansas.

Visit COR's website at www.cor.org for more information!



Energy Efficiency, Recycling and Sustainable Landscaping at the Church:

- ❑ The church utilizes native plants, wildflowers and prairie grasses on the grounds, which do not require watering, fertilizers or pesticides (Of the 74.5 acre site, 40 is utilized)
- ❑ Utilizes wetland mixes of plants in detention ponds that collect water before the water goes into the storm sewer system
- ❑ The church's facility utilizes energy efficient technologies, including:
 - ❑ All lighting is 100% compact fluorescent lighting (except for the theatrical lighting)
 - ❑ Energy management system to turn off lights when not needed
 - ❑ Recycle lamps/bulbs
 - ❑ Programmable heating and cooling system – Central plant
 - ❑ Plate and frame heat exchanger – From Oct – April. No mechanical cooling used

We estimate that the Church saves 50% of energy costs utilizing these energy efficient technologies.



2014 Resurrection Activities

- ❑ The church recycled 150,000 pounds of materials in 2014, primarily paper and cardboard. Our recycling containers are available to everyone in our neighborhood. Many neighbors bring their newspapers and plastic and aluminum containers
- ❑ Celebrate Earth Day
- ❑ Use special recycling containers throughout the church to encourage recycling
- ❑ Share our recycling, energy management and green cleaning practices with other churches
- ❑ To create awareness we have given CFL bulbs to every family in the church in addition to cloth shopping bags to cut down the use of paper or plastic
- ❑ Our computer ministry recycles old computers and distributes to needy families and other ministries around the city. About 400 rebuilt computers are given away each year
- ❑ Purchase recycled materials such as copier paper with high post-consumer waste content
- ❑ Furnishings Ministry collects household items from individuals, schools, hotels and businesses and gives to the area needy. During 2014 My Father's House was blessed in many ways:
 - 3,345 individuals were impacted.
 - 1,806 families served.
 - 2,385 children served.
 - 1,282 beds placed.





CITY

ENERGY



A JOINT PROJECT of **NRDC** + **IMT**

KANSAS CITY MO.

What is the City Energy Project?

A groundbreaking national initiative to improve the energy efficiency of buildings in 10 major American cities.

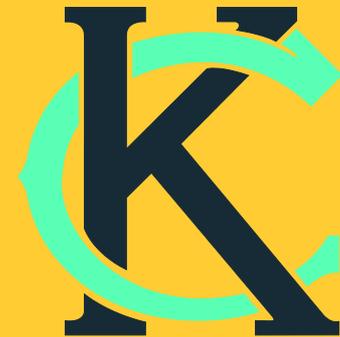


IMT
INSTITUTE
FOR MARKET
TRANSFORMATION



Kansas City Energy Project

- **Promote efficient building operations**
- **Encourage private investment**
- **Show City leadership**
- **Promote transparency**



Kansas City Energy Project

Established reputation for sustainability
supported by strong action.





Sustainability Speaker Series

KC Energy Project & Weatherproofing 101

Jennifer Gunby

Kansas City Community Energy Program Manager

Jennifer.Gunby@IMT.org, 816.516.3473

Saturday, September 19, 9:30-11:00 a.m.

Leawood Community Center

Stop by and meet Jennifer after the meeting!

Conservation

Every Last Drop



How You Can Help

 Slow It Down



 Spread It Out



 Soak It In

**Rain
Gardens**



Trees



**Rain
Barrels**



‘Cost-Sharing’ Matching Dollars for Trees, Rain Gardens & Barrels

Grants up to \$1,000!

**Visit leawood.org/costsharing
for forms and details**

The City of Leawood and the Johnson County Stormwater Management Program will provide a 50% match on BMP's, up to \$1,000 for rain gardens or native planting bio-swales/stream buffers, and a 50% match on rain barrels, up to \$75 each. And \$100 per tree.

what do trees do for **YOU?**

Increase

- Property Values 5-15%
- Air Quality (a.k.a. Oxygen)
- Water Quality
- Energy Conservation
- Relaxation and Sense of Well-Being

Reduce

- Air and Noise Pollution
- Air Conditioning Costs
- Ozone
- Storm Water Run Off
- CO₂



Matching Dollars

Healthy People Need Healthy Trees



LEAWOOD

Donate to
Leawood's Tree Fund and
DOUBLE YOUR GIFT

TO DONATE - Go to

bridgingthegap.org/tree-fund

Prescription Collection

Leawood Justice Center: 4201 Town Center Drive – Police Entrance

YES - Accepted

- Prescriptions
 - Prescription Patches
 - Prescription Medications
 - Prescription Ointments
 - Over-the-counter medications
 - Vitamins
 - Samples
 - Medications for pets
-

STOP

These items are **Not Accepted**
in this collection unit





Summary of Services Available to Leawood Citizens:

- **Public Education** – CPR, AED, First Aid, Community Emergency Response Team (CERT), Fire Safety, Home Safety, Fire Extinguisher use, etc.
- **Safety Checks** – home or business with recommendations – can include smoke detectors, fire hazards, flammable storage, escape routes and plans, etc.
- **Car Seat Installations** – certified technicians install or check infant and child car seats
- **Station Tours** – come check out your local station and meet the crew
- **Crew Visits** – Let a crew come to your location with a fire truck including block parties, HOA meetings & events, etc.

Sustainability

Together we can do more!

Raffle and Wrap Up



**Presentation is available at
leawood.org/sustainability**

Raffle!



- Ripple Glass Recycle Bins (3)
- Rain Barrel (1)
- Compost Bin (1)
- Science City Tickets (One Pair)
- CO Alarm (2)
- Bike Helmet (1)
- Hand Pruners (1)
- Fire Ride Along (1)
- Police Ride Along (1)
- Commercial Building Energy Star Analysis (1)

Lucky winners:

Please bring your ticket to the prize table to claim your item!

5 New Green Things



5 New Green Things



Reduce

- Walk or ride
- Program and lower your thermostat
- Insulate and weatherize
- Switch to CFLs or LEDs
- Take shorter showers
- Give up bottled water or soda

Reuse

- Install a rain barrel
- Compost and mulch
- Purchase recycled products
- Use canvas shopping bags

Recycle

- Begin recycling a new item (e.g., glass, electronics)
- Participate in Large-Item Recirculation Day

Try something new! Learn more at bridgingthegap.org/five-green-things



Mark Your Calendar

- **March 28** **Prairie Village Earth Fair**
- **April 23** **The Art of Street Cycling: Freedom to Ride Class**
- **May 2** **Recycling Extravaganza**
- **May 6** **Walk / Bike to School**
- **May 16** **Backyard Composting**
- **June 6** **Large Item Recirculation (I-435-135th Street)**
- **June 6** **Everything You Wanted to Know about Recycling**
- **Sept. 19** **Large Item Recirculation (135th-155th)**
- **Sept. 19** **KC Energy Project plus Weatherproofing 101**
- **Oct. 7** **International Bike Walk to School**
- **Oct. 17** **Recycling Extravaganza**

Learn more: leawood.org/sustainability

Thank You! Visit Our Partners



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The Leawood Foundation

Leawood Information Services

Leawood Public Works

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Rain Gardens

Urban Forestry



Bicycle
Friendly
Committee



"breaking the cycle of poverty
through community development"

