

	Beginning Balance	Current Year Received	Current Year Expended	Ending Revenues Balance
MDNR District Grant Revenue				
FY06 Fund: \$406,091	\$236	\$0	\$236	\$0
FY07 Fund: \$812,989	\$6,061	\$0	\$6,016	\$0
FY08 Fund: \$943,531	\$96,980	\$50,000	\$85,032	\$61,948
FY09 Fund: \$1,011,660	\$558,512	\$0	\$437,785	\$120,727
FY10 Fund: \$972,799	\$0	\$873,928	\$327,647	\$546,281
FY11 Fund: \$789,638	\$0	\$0	\$0	\$0
MARC SWMD Other Revenue				
District Grant Interest Income	\$133,886	\$7,983	\$0	\$141,869
FY09 Project Income	\$0	\$45	\$45	\$0
FY09 Other Revenue (RBRC Grant)	\$0	\$5,000	\$4,730	\$270
FY09 MARC Local Match (Total: \$9,424)	\$0	\$491	\$491	\$0
FY10 MARC Local Match	\$0	\$9,771	\$9,771	\$0
Regional HHW Collection Program				
HHW Contingency Fund	\$53,825	\$0	\$0	\$53,825
2009 Program Fees (city/county)	\$237,592	\$0	\$180,075	\$57,517
2010 Program Fees (city/county)	\$0	\$320,073	\$46,174	\$273,899
TOTALS	\$1,087,092	\$1,267,291	\$1,098,047	\$1,256,336

PLANNING TODAY FOR LONG-TERM SOLUTIONS

The MARC Solid Waste Management District continued its work educating local government officials about how actions taken today can result in long-term sustainable solid waste management. The vision of reducing the region's waste by 80 percent by 2023 encourages local governments to get involved by increasing access and participation to key services such as curbside recycling and yard waste.

PLANNING

80/2023 waste diversion goal

A task force of Management Council representatives was formed in July to assist staff in the development of a "road map" for local governments to achieve the goal of 80 percent waste diversion by 2023. The phased-in strategies developed by the group provide flexible milestones to address individual community needs. The initial focus of achieving 40 percent diversion by 2013 emphasizes access to residential and commercial recycling and yard waste services, public awareness and participation, and better data collection to monitor and measure success. A companion guidance document will accompany the road map with examples of services, policies and programs needed for success.



TECHNICAL ASSISTANCE

2010 Recycling Challenge for Local Governments

Seventeen communities joined this year's challenge to improve residential services. The Recycling Challenge for Local Governments — *Taking it to the Streets: Improving Residential Services*, will become an ongoing initiative to help the district build the necessary foundation to reach 40 percent diversion by 2013. District staff supported the challenge with planning briefs, outreach assessments and a contracting workshop that included a tour of the Town & Country Disposal Material Recovery Facility.



STATEWIDE

MORA 2010 Annual Conference: "Journey to Zero Waste"

The district hosted the Missouri Recycling Association's annual conference in Kansas City, Mo., May 24–26, 2010. The conference featured national speakers, sessions and workshops on zero waste, organics recycling and product stewardship. Tours highlighting local recycling businesses helped to raise awareness about the important connections between recycling and economic development, climate protection and resource conservation in the state of Missouri. Over 250 people from across the state attended the conference.



OUTREACH

New RecycleSpot features

The district secured the services of GIS Workshop to make necessary improvements to the RecycleSpot website and database. New features include a mapping function with driving directions for users, access for local governments to update community information, and improved data management for district staff. The updated website will be a key district communications tool.

HOUSEHOLD HAZARDOUS WASTE

Communities rejoin the regional program

The 2010 Regional Household Hazardous Waste program welcomed back the residents of Lake Lotawana, Raymore and Glenaire. Thirty-five communities participated in the 2010 program; in all, 9,375 cars delivered 580 tons of unwanted household hazardous material for proper disposal. About 95 percent of the collected material is recovered for reuse, recycling and alternative energy. Residents of participating communities had access to 13 mobile events and to the permanent facilities in Kansas City and Lee's Summit.

ENVIRONMENTAL EDUCATION

KCEEN supports teachers and green school efforts

The district provides administrative support to KCEEN — a volunteer organization of environmental education providers. KCEEN hosted a teacher appreciation day at the Kansas City Zoo, a teacher resource day at UMKC, and has updated its resource guide, available in 2011. KCEEN also supports the work of area groups working to expand green school efforts throughout the region.

2011 WORK PLAN ACTIVITIES



District Administration

- Manage district fiscal affairs and support local and state policy initiatives
- Coordinate district programs, including grants, outreach and Regional HHW Program
- Conduct biennial inventory assessments of local government solid waste services

Outreach & Technical Assistance

- Finalize the marketing strategy to advance the Phase One 40/2013 waste reduction goal
- Develop messages and tools to reach the public (residents and businesses), local governments (public officials and staff), and the resource management industry
- Provide technical assistance and expand tools on best-practice strategies for local governments, including the 80/2023 guidance document

Planning & Grants

- Identify candidate communities for recycling and yard waste centers
- Assess current and future recycling processing capacity and end markets
- Develop measurement tool to benchmark local government success
- Utilize open grant call to support high impact infrastructure projects
- Target grant funds to local governments

The district's annual meeting and recognition awards ceremony was hosted by Grandview, Mo., at The View Community Center in December 2010. This year's event featured a panel discussion on recycling markets. Local industry experts addressed how markets drive the region's goal of increased recovery of materials such as glass, plastics and construction and demolition waste.

GRANT FUNDS SUPPORT COMMUNITY RECYCLING INITIATIVES

Over \$370,000 in district grant funds were awarded in 2010 — a majority of which supported local government initiatives. Among the projects were the city of Raymore's efforts to promote its new residential curbside recycling program; The cities of Blue Springs, Mo. and of Kansas City, Mo., also received funds to improve and expand drop-off recycling services. Over \$26,000 was awarded to local governments during a special grant round for parks and special event recycling containers.

Clay County Parks, Recreation and Historic Sites

District grant funds helped develop a recycling program at Smithville Lake, where visitors can now recycle aluminum cans and plastic bottles at the golf course, campgrounds and marinas. Parks staff worked to improve the lake's collection containers and increase public education about the service. The department also invested in a can crusher, making transportation costs to end markets more affordable. Clay County's program provides visitors to the lake with a highly visible, easily accessible recycling service.



IMPROVING ACCESS AND PARTICIPATION



Ripple Glass, Inc.

2010 was a banner year for glass recycling services in the Kansas City area, as Ripple Glass's purple bins continued to pop up in communities across the metro. Ripple has proved to be hugely popular, providing residents with easy, convenient access to glass recycling services with more than 60 containers throughout the region. The district supported the project by providing 2009 grant funds for 40 containers and marketing. The Ripple Glass story also highlights local material markets. After glass is collected, it is processed at Ripple's Kansas City, Mo., plant and from there the material is used to manufacture fiberglass insulation in Kansas City, Kansas.

City of Blue Springs

The district provided grant funds to the city of Blue Springs, Mo., to support the development of its first community drop-off recycling center. The facility opened in July 2010 and now provides Blue Springs residents and surrounding communities with access to a first-rate drop-off center.



HANDS-ON EDUCATION



District grant funds supported a youth-driven education project by Green Works in Kansas City aimed at providing urban core residents with recycling education. The city of Kansas City, Mo., provided community members with recycling bins and district grant funds helped purchase reusable water bottles and tote bags. With the aid of environmental entertainer and educator Eco Elvis (Matt Riggs), area teenagers spoke to neighborhood groups about the importance of waste reduction, reuse and recycling, providing useful tips and how-to information.



Beginning in 2011, the district's Recycling Challenge will be an ongoing initiative providing local governments with resources and technical assistance as the region works towards the goal of 80 percent waste diversion by 2023. The 2010 challenge addressed a critical district objective: Increase residents' participation in and access to core solid waste services.

Among the 2010 Recycling Challenge highlights:

Blue Springs, Mo., opened its first community drop-off recycling center and implemented a parks recycling program. The city's Solid Waste Commission is working on an outreach plan to educate students, businesses and the city council about recycling.

Excelsior Springs, Mo., staff worked with the community's hauler to replace recycling bins with carts in order to help increase curbside recycling program participation, currently at about 60 percent.

Grandview, Mo., partnered with Foundation Workshop, a local sheltered workshop, to promote the organization's new residential electronic waste recycling service.

Independence, Mo., made improvements to the city website to make recycling information easier to find. Two additional haulers began to offer its customers curbside recycling.

The **Johnson County, Kan.,** Board of County Commissioners approved the new solid waste code, requiring haulers to provide curbside recycling and yard waste composting as a basic service. It will take effect in 2012.

Kansas City, Mo., conducted public education — primarily in the urban core — to increase curbside recycling participation. Over 10,000 door hangers were distributed and presentations are now made to neighborhood groups where recycling bins are dispensed.

Leawood, Kan., held Recirculation Day, a reuse program encouraging residents to put out usable large household materials — such as furniture — for reuse. The city's Sustainability Committee initiated efforts to increase recycling education and participation.

Lee's Summit, Mo., expanded education efforts to residents and city employees and provided haulers the required two-year notice to initiate the process to contract for solid waste services.

North Kansas City, Mo., entered into a new solid waste contract, spurring new efforts to educate residents on curbside recycling. Bin counts during the first quarter showed a participation rate increase from 13 to 24 percent.

In 2010, 15 municipalities and two counties made these commitments:

- Improve outreach and education about waste reduction and diversion
- Review ordinances and policies
- Address access to core residential programs such as curbside recycling, yard waste and bulky item pickup
- Hold a special collection event
- Measure tonnages disposed and recycled and participation rates in programs such as curbside recycling

Platte City, Mo., improved outreach to residents. The city's newsletter publishes more frequently, increasing exposure to recycling-related articles, and a new homeowner packet was created. The city also began working to add cardboard recycling to drop-off and curbside programs.

Pleasant Hill, Mo., entered into a contract for solid waste services, providing all residents access to curbside recycling, yard waste and bulky item pickup. The contract helped reduce the number of trash trucks needed by 25–30 percent. Between April and December, 162 tons of waste were diverted from landfills.

Riverside, Mo., entered into a new solid waste contract to provide recycling incentives and include curbside yard waste and bulky item pickup. A new citizens' advisory committee began to meet, and the city's planned park renovations included the addition of recycling containers.

The **Roeland Park, Kan.,** Green Team participated in a "Neighborhood Knock" to increase awareness about recycling.

Shawnee, Kan., passed an ordinance requiring haulers to provide mandatory recycling and to include a volume-based pricing structure.

Sugar Creek, Mo., increased public outreach through city newsletters.

Smithville, Mo., held a town hall meeting to discuss residential curbside recycling. A community survey will follow to further gauge interest.

Unified Government Wyandotte County/Kansas City, Kan., committed to improve education tools and further promote the residential curbside recycling program. The county also held a special education session on reuse on America Recycles Day in partnership with the Mr. & Mrs. F.L. Schlagle Library.

For more information on the Recycling Challenge for Local Governments, visit www.marc.org/Environment/SolidWaste



SUSTAINABLE SOLID WASTE MANAGEMENT

The 2009 Sustainable Solid Waste Management Study explored the costs of continuing to manage our waste in the same manner over the next 20 years. A comparison was made between the status quo and a phased-in approach to increase diversion during the same period. The results indicate that costs to improve and expand the diversion infrastructure is about the same as costs of keeping things the same and that by 2023 a diversion-based system becomes less costly.

As a result, the MARC Solid Waste Management District has embraced a goal to reduce solid waste currently disposed of in landfills by 80 percent by 2023. The district seeks the commitment of its local government members to work toward a sustainable solid waste management system using proven diversion practices. This phased-in approach uses incremental steps to target residential, commercial, and construction-and-demolition waste streams.

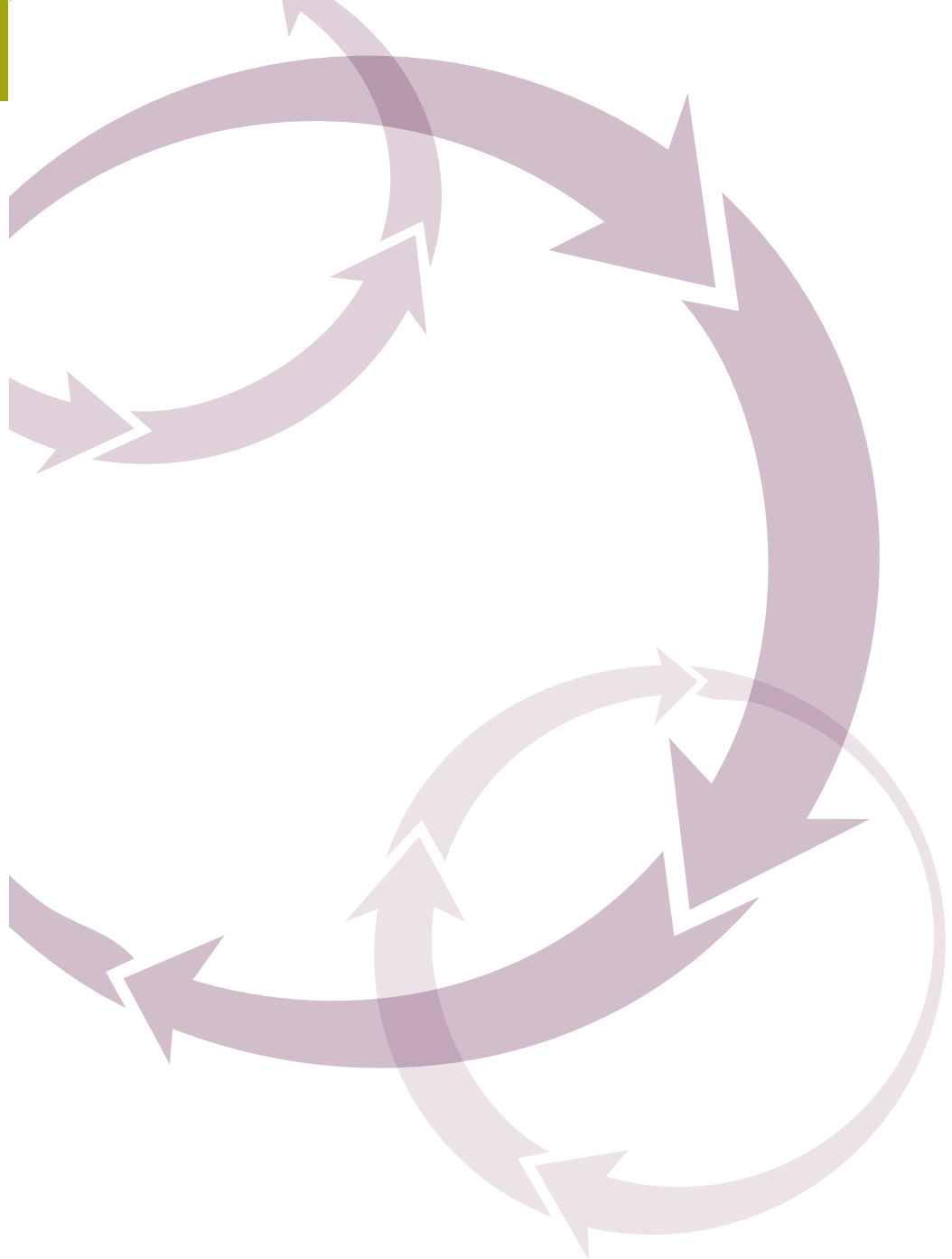
A SUSTAINABLE SOLID WASTE MANAGEMENT SYSTEM:

- Protects human health and the environment
- Produces less waste
- Uses waste as a resource whenever possible
- Advances economic development and job creation through materials management

This 80/2023 goal creates a vision for what is possible when we practice resource management instead of waste management. A sustainable system requires a pivotal change in how waste is handled and viewed in the region. What we think of as waste is a pool of individual materials waiting for a second life.

The rewards for redirecting our dollars today for a sustainable system tomorrow are boundless — more diverse jobs, better use of natural resources, longer life for regional landfills, lower economic and environmental costs, and better quality of life.

WASTE DIVERSION PHASES



The MARC Solid Waste Management District continues to promote the regional vision of sustainable solid waste management. Minimizing and diverting waste through reduction, reuse, recycling and composting activities will help the Greater Kansas City area achieve 80 percent solid waste diversion by 2023.

Through the 2010 Recycling Challenge, *Taking it to the Streets: Improving Residential Services*, the district worked with local governments to improve access to and participation in core solid waste and recycling services. Other major efforts included upgrades to the RecycleSpot.org website and database, and development of an 80/2023 Sustainable Solid Waste Management Road Map.

District grant funds continue to support better access and participation. Major infrastructure projects like Ripple Glass and Town & Country Material Recovery Facility are helping change the face of recycling in the region. Other initiatives are creating greater access to and awareness of new services, including community drop-off centers, curbside recycling education and recycling in parks.

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