

IOWA WASTE EXCHANGE

The Iowa Waste Exchange (IWE) is the product of a partnership of the Iowa DNR and the Economic Development Authority, with assistance from the Iowa Waste Reduction Center.

Many industries, businesses, and institutions dispose of items and materials that others can use. IWE Resource Specialists help anyone looking to obtain specific items or materials, and match them up with anyone who has items or materials they are looking to give.

Businesses, schools, hospitals, communities and individuals are encouraged to take advantage of the IWE's free, non-regulatory, and confidential services.

IWE Resource Specialists can provide a wide range of assistance:

- Identifying viable markets for waste materials. A basic IWE principle – never rule out a waste stream.
- Helping locate and access markets for recyclable commodities.
- Finding environmentally stable solutions for unmarketable waste streams, such as outdated chemicals.
- Drafting and/or reviewing standard operating procedures for handling waste streams.

- Writing waste management grant applications for clients, and reviewing and commenting on client-drafted applications.
- Getting involved in numerous special programs and projects, including participating on recycling committees, in workshops, and at recycling events.

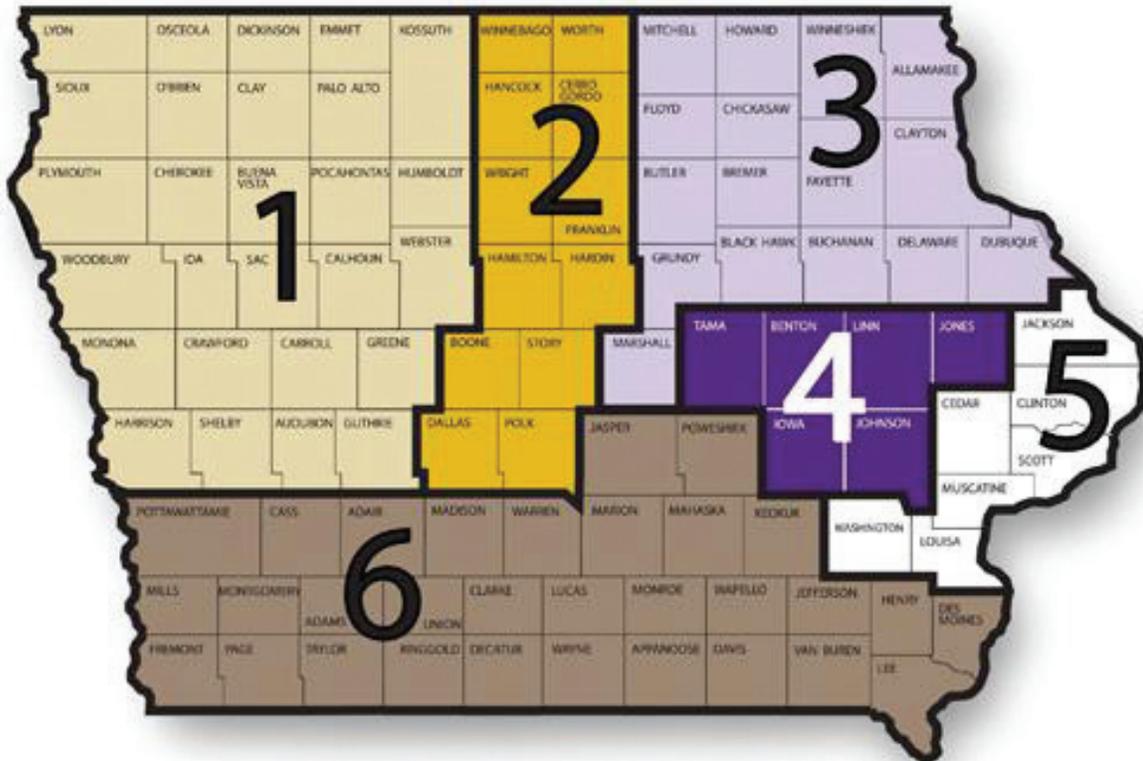
IOWA WASTE EXCHANGE STATISTICS: 2015

Number of companies assisted (in house)	1,986
Number of companies assisted (on-site)	1,446
Number of material matches	438
Tons of materials matched	97,979
Total cost savings for Iowa companies	\$3,594,249

IOWA WASTE EXCHANGE STATISTICS: 1990 - 2015

Number of material matches	14,082
Tons of materials matched	3,575,946
Total cost savings for Iowa companies	\$93,366,392

IOWA WASTE EXCHANGE PRIMARY SERVICE AREAS



2015 IWE SUCCESSES

PLANTER PLATES & THE WHITEROCK CONSERVANCY

The Whiterock Conservancy, a nonprofit land trust dedicated to conserving and protecting Iowa's natural resources, is located on seven acres in Coon Rapids. They needed to find a home for thousands of high-density polyethylene (HDPE) corn planter plates that occupied 8,000 cubic feet of storage space. The multi-colored plates were once used to regulate the space between corn seeds during planting. The Iowa Waste Exchange Area 1 Resource Specialist was contacted, and he connected with another nonprofit organization, Creating Great Places. They developed the idea of using planter plates for artistic projects locally. The projects have enhanced the identification of the area's heritage and points of interest at the Conservancy. About 4,000 planter plates have been used in these projects, and thus were diverted from the landfill.



THE AGRIRENEW ANAEROBIC DIGESTER - BIOSOLIDS & BIOGAS

Sievers Family Farms in partnership with Glenora Feed Yard owns the largest custom cattle feeding operation in Scott County. An on-site AgriReNew Anaerobic Digester handles the feedlot's cattle manure, industrial organic materials, and pre-and-post-consumer food wastes. The Iowa Waste Exchange Area 5 Resource Specialist has been instrumental in helping obtain supplies of those other organics. The cattle manure and organic wastes are transformed into biosolids, which are high quality fertilizer products, and biogas, which is converted into electricity. Currently, AgriReNew generates about 950 kWh of energy daily that is put into the Alliant Energy electricity grid, which is enough for 750 homes.

ANAMOSA TRICKLING FILTER PLANT DECOMMISSION

The City of Anamosa decommissioned its wastewater treatment facility: a trickling filter plant. The City decided to reuse or recycle the facility's equipment and to recycle its plastic filter media. The Area 4 Waste Exchange Resource Specialist was able to help the City use Rural Recycling Grinding, LLC to grind and remove the nearly 80 tons of plastic media, which went to a manufacturer that produces recycled content field tile. The Specialist was also able to get BG Salvage to recycle the 20 tons of metal equipment including the large, rotating sprayer. By recycling the plastic filter media and metal equipment, the City avoided \$170,000 in disposal costs and received \$5,000 for the metal salvage.



COOPERATIVE RECYCLING

The Waste Exchange Resource Specialist in Area 6 was able to help set up a three-way arrangement among Precision Optical in Creston, CROSS Ministries in Osceola, and International Paper in Des Moines. Through their cooperative efforts, 66 tons of scrap paper, 18 tons of HDPE scrap plastic, and 47 tons of mixed #7 plastic are being recycled per year. A total of 131 tons are diverted from the landfill per year.



FOR MORE INFORMATION

To learn more about the IWE and its progress over the past year, go to www.iowadnr.gov/FABA

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