



2012

Washtenaw County Fall

Regional Clean Up Report



Washtenaw County Department of Public Works and Environmental Health, Solid Waste Division Fall 2012

11/19/2012

2012 EMU Washtenaw County Fall Regional Clean-Up Day Report:

On Saturday, October 27th, The Washtenaw County's Department of Environmental Health, Solid Waste Division, in cooperation with Eastern Michigan University, Superior Township and Ann Arbor City, sponsored a Regional Clean-Up Day for the citizens in Washtenaw County. This event was the 5th Annual Regional Clean-Up Day Event conducted in a parking lot next to the EMU Rynearson Football Stadium with the total number of recyclers recorded at 658. The 2012 event utilized volunteers and partnered with resources from the EMU Faculty, EMU Student Body Green Team, Superior Township Officials, Washtenaw County Sheriff's Office and the University of Michigan School of Engineering to make the 2012 Regional Clean-Up Event a success. During the event, numerous positive comments from participants were received that generally included their desire and support to continue this annual event at the EMU location. Many recyclers provided feedback and expressed their satisfaction with the event's traffic pattern relative to the unloading process at each drop-off station and the short period of time it took from start to finish.

The 2012 EMU Fall Clean Up-Day drop off accepted a broad range of traditional recyclable materials including: paper, plastic, glass, cardboard and also included, as a benefit, electronic waste comprised of computer and television monitors, cell-phones and printers. Other non traditional items that were collected that are generally excluded from existing curb-side pickup recycling programs and banned from landfills include: Freon-containing appliances, scrap tires, motor oil and Household Hazardous Waste (HHW). The HHW collection items included materials such as cleaning supplies, acids and bases, oil-based paints, pesticides and fertilizers, mercury thermometers, fluorescent light bulbs and more.

This event truly brought local units of government, volunteers and the general community as a whole located in the eastern region of Washtenaw County together in helping to protect our environment and to free up landfill space from unnecessary and potentially harmful products. This annual community event held regionally has provided recycling opportunities for items not readily available for residents to recycle in their local communities. Historically, some local municipalities hold one-day collections, but regional collections have reduced redundancy, enhanced service and increases opportunities for citizens residing in Washtenaw County. Regional Clean-Up Days can also decrease/prevent illegal roadside dumping by accepting solid waste disposal for items not otherwise accepted as part of traditional curbside residential pick up services.

The funding sources for this Regional Clean-up Day were provided by the Washtenaw County Solid Waste Fund, suggested donations received at the gate, a sponsorship of \$2000 from Superior Township and a \$1000 donation from Ann Arbor City. EMU's sponsorship level consisted of hosting this event, providing volunteers and providing lunch for all the workers and volunteers.

The breakdown of costs for the 2012 EMU Fall Regional Clean Up Day are:

Traditional Recyclables:

Contractor– Recycle Ann Arbor

Scrap Tires: 269

Steel: 7.35 tons

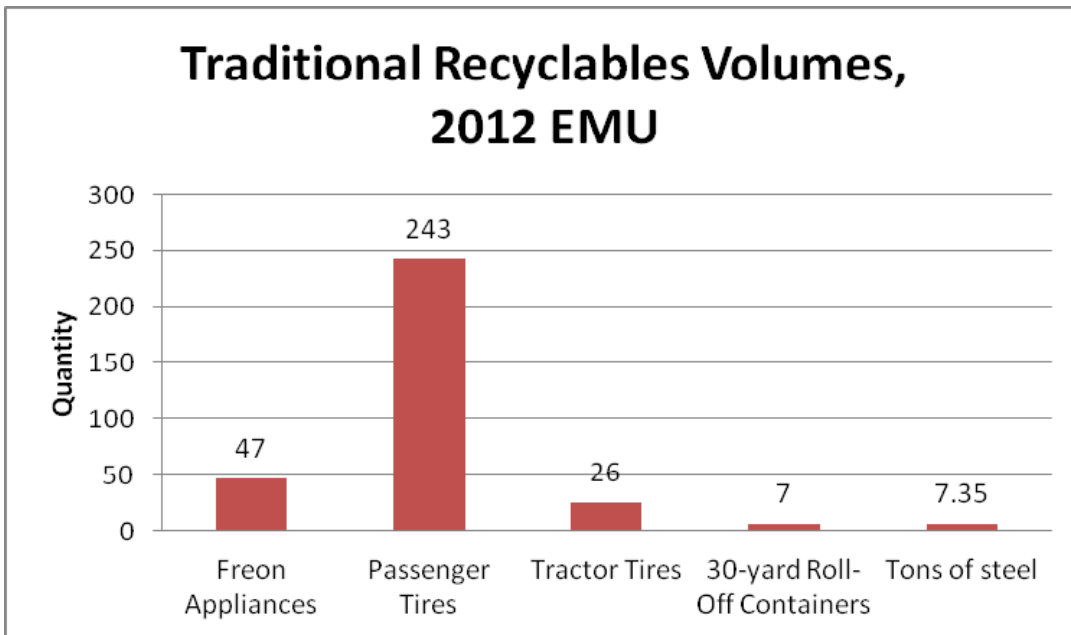
Paper / Plastic / Cardboard (OCC):

Freon Appliances: 47

Lead Acid Batteries: 36

30-Yard Roll Off Pulls – 7

Total Cost: \$4,837



Electronics / E-Waste

Electronics Recycling Materials

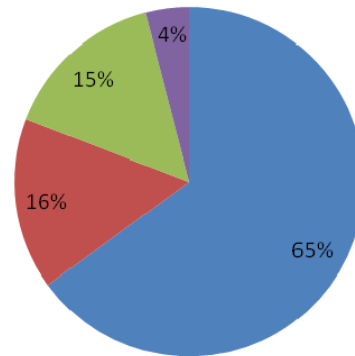
Contractor: Vintage Tech, LLC

	2011	2012
TVs	3,930	13,937
Computers	1,410	3,407
Monitors	2,069	3,243
Printers	871	2,070
Microwaves	966	1,365
Misc.	2881	5,006
Total lbs	11,161	29,028



Electronics Volumes, 2012

■ TVs ■ Computers ■ Monitors ■ Printers

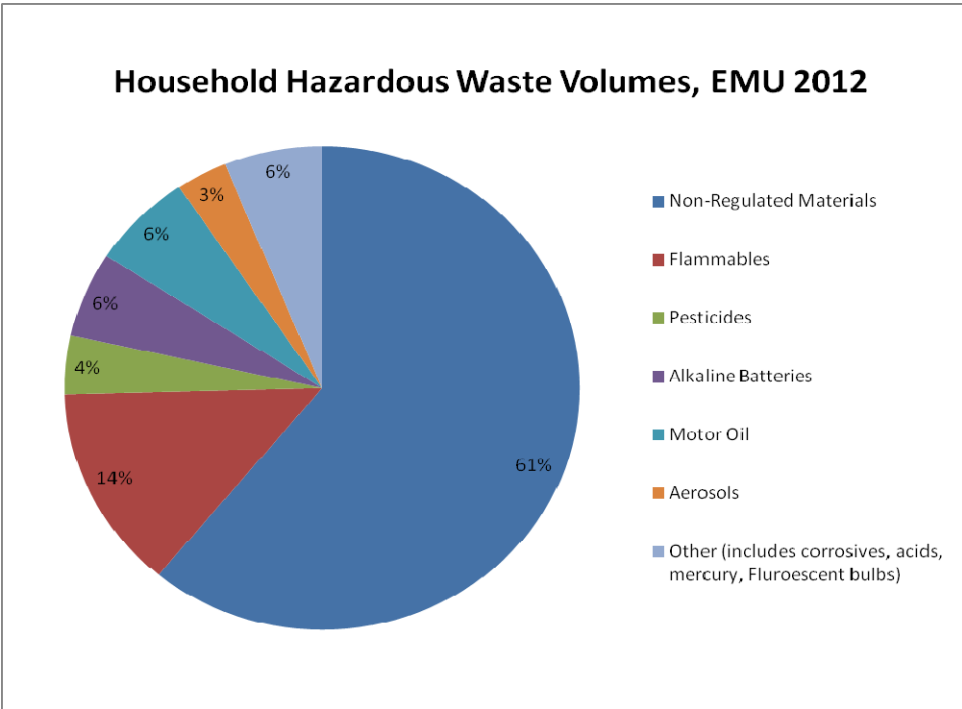


Total E-Waste Cost: No Charge

Household Hazardous Waste

Contractor: Environmental Quality (EQ)

Non-Regulated Material	17,850
Flammable Liquid	3,985
Aerosols	942
Corrosive Liquids	585
Pesticides Liquids	551
Pesticides Solids	591
Motor Oil	1,877
Alkaline Batteries	1,670
Propane Cylinders	368
Fluorescent Tubes	488
Oxidizers	158
Mercury	40
Sharps	170
Total Pounds.....	29,275
Set-up Fee	\$2,500
Labor	\$2,555



Total HHW
Cost: \$12,801

EMU Event Volumes History Overview:

	2012	2011	2011-2012 % change
Recyclers/Car count	658	310	112.26%
Tires	269	200	34.50%
Freon Appliances	47	51	-7.84%
E-waste	29,028	11,161	160.08%
TVs	13,937	3,930	254.63%
HHW	29,275	12,440	135.33%
Scrap Steel (tons)	7.35	3.25	126.15%
Gate Donations	\$3,715.00	\$976.00	280.64%
Superior Township & Ann Arbor City Sponsorship	\$3,000.00	\$2,000.00	50.00%
Total Event Cost	\$18,207.00	\$14,315.00	27.19%
Cost/car	\$21.50	\$40.00	-46.25%

Various aspects that made this event a success in the area of solid waste diversion and organization event planning and safety include:

1. Pre-event planning meetings and site visit with the host EMU officials and new vendors to review safety, vendor set up locations and traffic pattern flow.
2. Early 8:30 AM. set up and start time to service early arrivals eliminating any potentially dangerous traffic back up on Hewitt Rd.
3. Worked in partnership with EMU, Ann Arbor City and Superior Township officials that are key decision makers in their communities.
4. Strong volunteer support to enable a successful collection.
5. Utilized service contracts with existing established vendors for Household Hazardous Waste and Recycle Ann Arbor services specifically for tires, Freon appliances, Construction and Demolition (C&D) and a new E-Waste contractor for T.V's and E-Waste items at no cost.
6. Event media coverage. Ran pre-event publicity flier and press release in Heritage newspapers two (2) weeks prior to event in affected region to target recyclers in effort to increase participation. The Ann Arbor "Waste Watcher" also ran this event in the Fall / Winter issue to all Ann Arbor City residents.
7. Significant cost savings were maximized utilizing a e-waste vendor at no cost, increased volunteers and sponsorship from the local units of government, Superior Township and City of Ann Arbor.