

Comparison -- Year 2016 over Year 2017 Tonnage

2016

	January Tonnage	February Tonnage	March Tonnage	1st QTR TONNAGE
COMMODITY				
ALL	16,078.47	15,934.23		32,012.70
RGC (Revenue Generating Cover)	(1,646.12)	(1,426.15)		(3,072.27)
OUTGOING (Leachate Hauled Offsite)	(2,886.93)	(2,836.98)		(5,723.91)
RDW (Green Waste)	-	-		-
	11,545	11,671		23,217

2017

	January Tonnage	February Tonnage	March Tonnage	1st QTR TONNAGE
COMMODITY				
ALL	14,241.57	12,507.36		26,748.93
RGC (Revenue Generating Cover)	(619.77)	(1,163.79)		(1,783.56)
OUTGOING (Leachate Hauled Offsite)	(2,364.26)	(2,119.95)		(4,484.21)
RDW (Green Waste)	-	-		-
	11,258	9,224	0	20,481

2016 Tonnage - January & February	23,217
2017 Tonnage - January & February	<u>20,481</u>

Annual Difference to Date -2,735 -12%
 Note, 2017 Host Fee is \$2.10/ton

Summary of the WIRMC
(Wisconsin Integrated Resource Management Conference)
Elkhart Lake, March 1-3, 2017
Attendee: Sharon Ehrhardt

Wednesday

8:00 – WCSWMA (WI Counties Solid Waste Management Association)

They are looking for more members to attend the meetings and members to step up and become working members. Myrna Diemert, Executive Director is retiring. She will stay on until a new Director is found and help with the transition. WCSWMA donated their processing from WIRMC to AROW and SWANA because they have operating fee to cover them for the next five to six years.

9:15 – AROW (Associated Recyclers of Wisconsin)

The board presented their financial report for 2016. They had election of board members. AROW also reviewed the committees and the past year's projects.

12:30 - Tour – Kohler & 3 Sheeps Brewing Company

The Kohler tour was interesting. They took waste water/stream and heat turning it into heat energy that heats their pottery and brass buildings. This energy is enough to heat 350 homes for a year. We also toured the building where they shred all their cardboard and bale plastic for recycling. Because of a snow storm we didn't get to tour the design center.

3 Sheep Brewing

They weren't in product as of yet because they just moved to larger buildings. They did explain their brewing process. They make all different types of beer. I only tasted three and the best of the three was the one that was aged in a brandy barrel for a year. The sample was a very nice smooth blend of beer and brandy.

Thursday

8:30 Exhibit Hall Opening Event

I collected as many pens for the office as possible. DNR gave me lots of recycling tattoos for the Fair and samples of composting brochures that I can order for the Fair. The exhibit hall was set up very nicely and the vendors were very good about giving out samples.

10:00 Welcome & Keynote

How to Spark a Composting Revolution! Dustin Fedako, Compost Peddlers explained how he started his composting business by using bike pedal power to pick up compost. His business is in Texas. He also creates the compost to be used in community gardens to grow more food.

Here are some of the interesting numbers he gave us:

218 Billion dollars is spent on food production/ transportation that is not eaten.

1 in 7 people don't know where their next meal is coming from.

The average American creates 5 pounds of trash each day.

In the United States we have lost 1/3 of arable soil since 1960.

11:00 – Recycling Markets Update

Panelists from each material industry (glass, paper, plastics and steel) gave an introduction about current trends and any new initiatives associated with their materials.

Paper stock is down, but cardboard stock is growing because of Amazon's demand for cardboard boxes. The prices have risen and will continue to rise for a while. The rate is currently at \$30 a ton.

Plastics, steel and iron are about the same. The metals are expected to rise some in the next 18 months. There is a strong demand from China and Mexico for the recycled materials, but that could change because of what they call the Trump effect. There is still a cost to recycle glass and will remain a cost, but the industry is looking for quality glass materials. A lot of glass coming out of single stream is contaminated and not useable. There is a demand good quality recycled glass.

12:00 Lunch and Exhibit Hall Open

2:15 – DNR's Household Recycling Survey Results and Waste and Materials Management (WMM) Program Updates

E-Cycle Wisconsin collection nearly 225 million total pounds through June 2016.

Key e-cycle survey takeaways:

- High percentage of respondents with stored electronics indicate there's still a lot to recycle
- More residents reported recycling electronics, but more also put them in the trash can in 2013, especially computers – something to watch
- Many people have data security concerns that collectors, recyclers and outreach need to address

- Outreach in important! Awareness of E-Cycle Wisconsin and where to recycle electronics increased between 2013 and 2016, and people who knew where to recycle electronics were more likely to recycle and less likely to store/trash devices
DNR meeting May 31, 9-noon E-cycle at Fitchburg and 1-3:00 RU

3:30 HHW Collections: Details below the Surface

Chris Blan, Brown County and Randy Nedrelo, La Crosse County detailed all the ins and outs of Clean Sweep Programs. They both have permanent sites. Randy said to build a facility costs 400 to 600 thousand.

The biggest cost in having a permanent site is labor and training. Training is very important and must follow OSHA and State regulations. I can get a detailed report for anyone who is interested.

Friday

8:30 Uses for Recycled Tires

Using tire derived aggregate in blacktop can add five years to your road. You don't need special machines to add this to your blacktop mix. The average blacktop road lasts 10 years with some repairs, but roads with the mix last 15 years longer. Regular asphalt costs \$4.28 per yard and rubberized asphalt – mix-maxer \$4.64 per yard which is about 40 cents more. It also reduces splash and spray on the highways. Lower measured noise level at the tire/pavement interface.

Here are other uses of tire aggregate: highway base and shoulders, retaining walls, drainage control structures, bridge abutments, foundations for structures, storm water retention structures, erosion control structures to reduce water runoff velocity, energy absorbing highway crash, barriers, residential and commercial building walls & foundations, Bridge pier scour protection, earthquake base isolation, trails & golf cart paths, permeable retaining walls for repair and reconstruction, railway ballast reinforcing, spread foundations, industrial roadway and drainage construction and stabilization, dams, levees, embankment, mining structures & conveyor foundations, permeable driveway base course, security walls and sound walls, military force protection facility security walls and barriers, recycling system for slag, RAP, RRC,

9:40 Student Topics

This talk covered the case example of organic collection carried out at the Milwaukee County Zoo and Blue Ribbon Organics, a Milwaukee area composting facility. How the Zoo arranges to collect and transport herbivore manure as well as how Blue Ribbon Organics operates it's facility, which include Zoo herbivore waste, leaf and other yard waste, and food waste.

Integrated Yard Waste Composting Feasibility in Brown County

This was a feasibility study completed to evaluate the possibility of implementing an integrated composting system for eight municipalities in Brown County. Three centralization scenarios are explored: two semi-centralized facilities, one centralized facility with a low-infrastructure composting system (windrows), and one centralized facility with high infrastructure composting system (aerated static piles) The goal was to help Brown County's municipalities identify scenarios that are both environmentally and economically sustainable.

11:00 Closing Keynote – REUSE because you can't Recycle the Planet

Alex Eaves lives the reuse model instead of just recycling by reusing clothes and other items. Don't buy anything until you explored the possibility of using existing materials. He has made a documentary on his life style.

1:00 Council on Recycling Meeting

They elected officers and went over their goals for 2017. The main goal is recycling markets- the next step, and supporting the updates to the WI Recycling Markets Directory. They also will support AROW with e-cycle changes, mattress legislation and paint product stewardship.