



2013 Green Tier Annual Report

Executive Summary

For over 120 years Fredman Bag has been committed to maintaining our environment. In fact, the company was founded on the process of recycling. Used burlap bags were bought back from farmers and feed mills to be repaired then resold again and again. As the company has grown and evolved that same commitment has remained as a top priority.

Fredman Bag was accepted into the Green Tier Program on May 14, 2012 as a Tier 1 Participant. One of the core values of Fredman Bag includes strong relationships – partnering with employees, customers, regulatory agencies, and suppliers. Fredman Bag recognizes and accepts its responsibility to be a good steward of the environment and to help achieve a state of sustainable development.

Environmental Performance

Goals for 2013:

1. Add additional items to our recycling program. Other plastic (PET, laminated films, stretch wrap, banding) in addition to the PE and PP. Aluminum and other metals.
 - 20,026 Lbs. of material were recycled in 2012.
 - 4726 Lbs. plastic spools.
 - 15,300 Lbs. corrugated and commingled paper.
 - 388,100 Lbs. of material were recycled in 2013.
 - 4180 Lbs. plastic spools.
 - 15,300 Lbs. corrugated and commingled paper.
 - 12,320 Lbs. B film.
 - 2,460 Lbs. HDPE.
 - 380 Lbs. Styrene.
 - 860 Lbs. PET.
 - 460 Lbs. PET laminate.
 - 5,200 Lbs. shrink film and banding.
 - 13,620 Lbs. paper cores.
 - 2,440 Lbs. paper product.
 - 13,340 Lbs. wood.
 - 3,660 Lbs. iron.
 - 1,360 Lbs. aluminum cans.
 - This goal was met.
2. Reduce landfill waste by 50%.
 - 35 tons of waste were removed and sent to landfills in 2012.
 - 12 tons of waste were removed and sent to landfills in 2013.
 - Landfill waste reduced by 66%.
 - This goal was met and surpassed.



3. Replace four lighting fixtures in Shipping and four in WIP area.
 - Replaced four 2 bulb 8' T12 fixtures with four 4' T8 6 bulb fixtures in the Shipping area.
 - Replaced four 2 bulb 8' T12 fixtures with four 4' T8 6 bulb fixtures in the W.I.P. area.
 - Replace two 2 bulb 8' T12 fixtures with one 4' T8 4 bulb fixture above the ink rooms.
 - Replace one 2 bulb 8' T12 fixtures with one 4' T8 4 bulb fixture outside Training Center.
 - Replace one 2 bulb 8' T12 fixtures with one 4' T8 4 bulb fixture in the tool crib.
 - This goal was met and surpassed.
4. Reduce use of Glycol Ether PM by 50%.
 - Fredman Bag partnered with ink and film suppliers to reduce the amount of this solvent used while maintaining print quality and performance.
 - Total used in 2012 was 4,190 Lbs.
 - Total used in 2012 was 472 Lbs.
 - This goal was met and surpassed.

DNR Relationship

Green Tier is helping in our sustainability efforts by providing guidance and resources. Also by partnering with the WDNR through Green Tier, we can talk directly with the WDNR with a single point of contact to identify opportunities and solve issues in an open and efficient manner.

Conclusion

2013 was a year in which we achieved significant progress in our sustainability efforts. We built upon the efforts of 2012 where the awareness was raised on a company-wide basis. Continued efforts to replace lighting with more efficient types lowers energy demand and costs. Partnering with our suppliers to develop new solvent blends lowers levels of HAPs while maintaining performance without sacrificing quality. We saw an 1838% increase in the amount of materials being recycled along with a 66% decrease in the amount of waste sent to landfills. The economic impact of these efforts resulted in lowered costs associated with compacted waste removal and an increase in the amount of sales paid back to the company for recycled items that had previously been part of the landfill waste.

Our goals for 2014 include the following:

- Install automatic dampers to control the opening and closing of the exhaust hoods in Converting along with adjusting the speed of the exhaust fan accordingly.
- Replace T12 lighting on P2 press, at employee entrance, and in the film staging area.
- Sponsor an E-waste day for employees to bring in electronics for disposal.
- Promote alternative transportation for employees.
- Reduce energy costs by installing a small 7.5 hp compressor dedicated to supply air to the RTO.

**WISCONSIN DNR GREEN TIER
SUSTAINABILITY METRICS**

Period Covered: 2013

Company Name:	Fredman Bag Company
Facility Name:	
Address:	5801 W Bender Ct
City, State, Zip:	Milwaukee, WI 53218
Environmental Coordinator:	Ken Hennen
Coordinator Phone:	(414) 462-9400 Ext 113
Coordinator E-Mail:	khennen@fredmanbag.com

Metric	Not Collected/ Not Available	Quantity	Units	Period - if not Calendar Year
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DEMOGRAPHICS

Sales	X			
Money saved because of material or process improvement	X		\$	
Profit or Loss	X		%	
Employees	60		Each	
Multiple between highest paid and lowest paid employee	X		%	
Alternative Transportation Support	X		\$ or ?	
Total Purchases	X		\$	
In-State Purchases	X		\$	
% of Purchases Made from Companies that participate	X		%	

LAND

Total Land		103909	Sq Ft	
Paved/Covered Land		77828	Sq Ft	

ENERGY

Electricity		1686500	kWh	12/13/2012
	X		% reduction	to 12/17/2013
Natural Gas		112224	btu	12/12/2012
	X		% reduction	to 12/17/2013
Renewable Energy (generated on-site)	X		% of total use	
Renewable Energy (as a % of utility electricity mix)	X		%	

WATER

Total Water Used		1628	Ccf/year	11/14/2012
	X		% reduction	to 11/13/2013
Source - private well	X		% of total use	
Source - public system		100	% of total use	
Water Recycled/Reused	X		gallons/year	
	X		% reduction	
Regulated Pollutants Discharged (BOD, TSS, Metals)	X		lbs/ year	
	X		% reduction	

AIR				
Total Air Emissions		42569	lbs/ year	
	X		% reduction	
Ozone-Depleting Substances		164	lbs/ day	
	X		% reduction	
Greenhouse Gas Emissions	X		lbs/ year	
	X		% reduction	
WASTE				
Hazardous Waste Disposal		53981	lbs/ year	
	X		% reduction	
Universal Waste Disposal		299	lbs/ year	
	X		% reduction	
Non-Hazardous Waste Disposal		12	tons/ year	
		66	% reduction	
Material Recycled/ Reused		388100	lbs/ year	
		1838	% increase	
Recycled/ Reused Content	X		% of product	
TRANSPORTATION				
Hybrid Vehicles	X		Each	
Gasoline Used	X		Gallons	
Diesel Used - vehicles	X		Gallons	
Diesel Used - Generators	X		Gallons	
Alternative Fueled vehicles (CNG, LNG, Fuel Cell, Electric)			#	
ADDITIONAL METRICS				
Please list all other designations/certifications (for example: LEED, Green Globes, Green Masters, Energy Star, ISO 14001):				