



2015 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 2015:

1. Install system to reclaim solvent.
 - This project was determined to be not cost-effective for the amount of solvent waste generated. We will review again when the acquisition of a newer press with automatic washing system is complete.
2. Replace (34) T12 light fixtures with energy efficient 4' T8 or LED units.
 - 34 T12 units were converted over to accept T8 or LED lamps.
3. Sponsor an E-waste day for employees to bring in electronics for disposal and provide paper shredding for documents.
 - The E-waste day was held on Earth Day, April 22, 2015. Several bins were filled with electronic and paper waste brought in by employees and internally.
4. Partner with recycler to cut landfill by 50% with the eventual goal of zero landfill waste by the end of 2015.
 - Disposal to landfill was cut from 14.7 tons in 2014 to 5.5 tons in 2015, a reduction of 62.5%. Fredman Bag went 100% landfill free on September 1, 2015!

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

In 2014, we built upon the efforts of 2013 with increased sustainability efforts on a company-wide basis. Continued efforts to replace lighting with more efficient types lowers energy demand and costs. Energy demand and costs were also lowered by replacing hydraulic motor driven guiding equipment with low-voltage units on converting machinery.

We are extremely proud of the fact that by the end of the 2015 calendar year are now completely landfill free. 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. An additional benefits to then environment is that we no longer have the need to have compactors and collection bins located outside the building for waste and refuse eliminating any potential for waste run-off.

Our goals for 2016 include the following:

- Replace all T12 and T8 fluorescent, lighting within the production areas with energy-efficient LED lamps.
- Remove ballasts from existing lighting once upgraded to LED.
- Replace existing 100hp screw compressor with a higher efficiency unit with variable speed drive.
- Replace office furnace with higher efficiency unit.
- Sponsor an E-waste day on Earth Day for employees to bring in electronics for disposal and provide paper shredding for documents.

**WISCONSIN DNR GREEN TIER
SUSTAINABILITY METRICS**

Period Covered: 2015

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
--------	---------------------------------	----------	-------	----------------------------------

DEMOGRAPHICS

Sales	X			
Money saved because of material or process improvement	X		\$	
Profit or Loss	X		%	
Employees		65	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		82928	Sq Ft	

ENERGY

Electricity		1528680	kWh	01/21/15 to
	X	5.63%	% reduction	12/18/2015
Natural Gas		88643	btu	01/20/2015
		18.27%	% reduction	12/17/2015
Renewable Energy (generated on-site)	X		% of total use	
Renewable Energy (as a % of utility electricity mix)	X		%	

WATER

Total Water Used		1270	Ccf/year	11/12/2014 to
		45.21%	% reduction	11/12/2015
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		39259	lbs/ year	
		6.35%	% reduction	
Ozone-Depleting Substances		151	lbs/ day	
		6.26%	% reduction	
Greenhouse Gas Emissions	X		lbs/ year	
	X		% reduction	
WASTE				
Hazardous Waste Disposal		70700	lbs/ year	
		-11.24%	% reduction	
Universal Waste Disposal		518	lbs/ year	
		50.48%	% reduction	
Non-Hazardous Waste Disposal		5.51	tons/ year	
		62.52%	% reduction	
Material Recycled/ Reused		557857	lbs/ year	
		8.51%	% 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):				