



**Winsert, Inc.**  
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# Green Tier Annual Report – 2016

## Introduction

Accepted into the Green Tier Program in 2007, Winsert Inc. is a leading global provider of innovative alloy solutions for critical components across a wide array of industries, while remaining cognizant to environmental sustainability.

Winsert provides expertise in alloy development to solve high temperature or corrosive wear problems in difficult applications; such as heavy-duty and high performance engines, as well as components for food and beverage, forestry, chemical processing and other industrial applications.

Our products include, but are not limited to, valve seat inserts, EGR and turbo charger assemblies, homogenizers, high temperature furnace bushings and meat and wood cutters. Our patented and proprietary alloys replace costly copper, cobalt and nickel based alloys, engineering ceramics and exotic coatings traditionally used to solve problems in today's global marketplace.

## Environmental Management System

The EMS is led by top management whose leadership drives down throughout the organization to effectively sustain an environmentally secure culture. This involvement stems out not only through federal, state and local regulatory requirements, but to the requirements of customers, suppliers and other interested parties. Winsert has been compliant to the ISO 14001:2004 standard since 2005, with our most recent 3-year recertification audit completed in November 2015. The third party audit was conducted by TUV Rheinland of North America in which no non-conformances were issued. Upon the completion of the audit, the objective was established to meet the requirements of ISO 14001:2015 by November, 2017.

## 2015 Objective Review

- 1) SHARPS Nomination – Completed Form 33
- 2) “0” Non-conformities at ISO 14001 3-Year Recertification Audit – Successful 11/17/2015
- 3) Reduce resource usage by 3% each over 2014
  - Electrical - 4.5%
  - Natural Gas - 3.7%
  - Water + 38% Unusually high amount of coolant exchanges from testing, defective sprinkler system & utilities adjustments attributed to increased use. These were all promptly addressed.



## **2016 Objective Status**

- 1) Reduce resource use by 3%
  - a. Gas -6.6% YTD
  - b. Water - 18.3% w/consideration of previous years' issues removed
  - c. Elect. -8.5%
- 2) Up-grade EMS to ISO 14001:2015 by Nov. 2017 – Related documentation and programs completed by 80%. Facility wide training scheduled for October, 2016. Further actions would be determined after audit in November, 2016.
- 3) Up-grade SWPPP, EAC & SPCC plans for newly acquired facility – 85% complete
- 4) SHARPS Nomination – Awaiting date for final inspection

## **Recycling & Reuse**

Cardboard – All accumulated cardboard is collected in a baler and picked up by a local recycling facility. The returns on this are used to fund employee cookouts and company led family picnics.

Universal & E-Waste – Batteries, fluorescent bulbs and electronic items that accumulate are properly stored on-site and removed for proper recycling by an authorized hauler.

Packaging Product – Packaging products (bubble wrap, styrofoam forms, peanuts, etc.) accumulated from incoming materials are not reusable on-site, but are given to local pack and ship locations.

Super Sacks – These are 3' x 3' x 4' sacks which our incoming foundry sand arrives in. These are given away to local farmers for corn, fire wood haulers and other reputable local establishments for reuse.

Spent Foundry Sand – The sand used to create molds for casting product which is classified as category 2, has been beneficially reused as geotechnical fill for storage pads on three farms and a construction company site. Most recently it has been approved for use as animal bedding of the WDNR, veterinarian's and the livestock owners.

## **DNR Relationship**

Our recent endeavor into using the spent foundry sand for animal bedding has been successful through a strong relationship with the WDNR and meeting face to face with representation has allowed us to proceed with this project.

<b>WISCONSIN DNR GREEN TIER</b>	Rev. 7/23/2013					
<b>SUSTAINABILITY METRICS</b>	Period Covered:	Jan 1 - Dec. 31, 2015				
Company Name:	Winsert Inc.					
Facility Name:						
Address:	2645 Industrial Parkway S.					
City, State, Zip:	Marinette, WI 54143					
Environmental Coordinator:	Bruce Chaltry					
Coordinator Phone:	715-732-1703					
Coordinator E-Mail:	<a href="mailto:bruce.chaltry@winsert.com">bruce.chaltry@winsert.com</a>					



Metric	Not Collected/ Not Available	Quantity	Units	Period - if not Calendar Year
<b>DEMOGRAPHICS</b>				
Sales	X			
Money saved because of material or process improvement	X		\$	
Profit or Loss	X		%	
Employees		202	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 in Green Tier or Green Masters:			%	
<b>LAND</b>				
Total Land		10.23	Acres	
Paved/Covered Land		6.85	Acres	
<b>ENERGY</b>				
Electricity		<b>3346179</b>	kWh	<b>1/1 - 7/31, 2016</b>
		<b>8.5</b>	% reduction	
Natural Gas		53529	THs	<b>1/1 - 7/31, 2016</b>
Renewable Energy	X	6.6	%	
<b>WATER</b>				
Total Water Used		<b>861459</b>	gallons/year	<b>1/1 - 7/31, 2016</b>
		34	% reduction	
Water Recycled/Reused	X		gallons/year	
			% reduction	
Regulated Pollutants Discharged	X		lbs/ year	
			% reduction	
<b>AIR</b>				
Total Air Emissions		2980.08	lbs/ year	2015
		0	% reduction	
Ozone-Depleting Substances	X		lbs/ year	
			% reduction	
Greenhouse Gas Emissions	X		lbs/ year	
			% reduction	
<b>WASTE</b>				
Hazardous Waste Disposal		160	lbs/ year	<b>2015</b>
			% reduction	
Non-Hazardous Waste Disposal		6800	gal/ year	<b>2015</b>
			% reduction	
Material Recycled/ Reused		2773	lbs/ year	<b>2015</b>
		14	% increase	
Recycled/ Reused Content		92	% of product	



TRANSPORTATION				
Hybrid Vehicles	X		Each	
Gasoline Used	X		Gallons	
Diesel Used	X		Gallons	
Alternative Fuels Used	X			
ADDITIONAL METRICS				
Please list all other certifications (for example: LEED, Energy Star, ISO 14001):			ISO 14001	

