

Placon's EMS System



Audit Results

3 Audits in 2014

- Evaluation of Compliance Assessment – Kestrel (5/6/14)
- Internal MSG (7/16/14)
 - 7 minor non-conformances (all developed into CA's and closed)
- External BSI (9/9/14)
 - 7 minor non-conformance (all developed into CA's and closed)
 - 1 major non-conformance (developed CA and closed 1/6/15)

Identified Aspects/Impacts

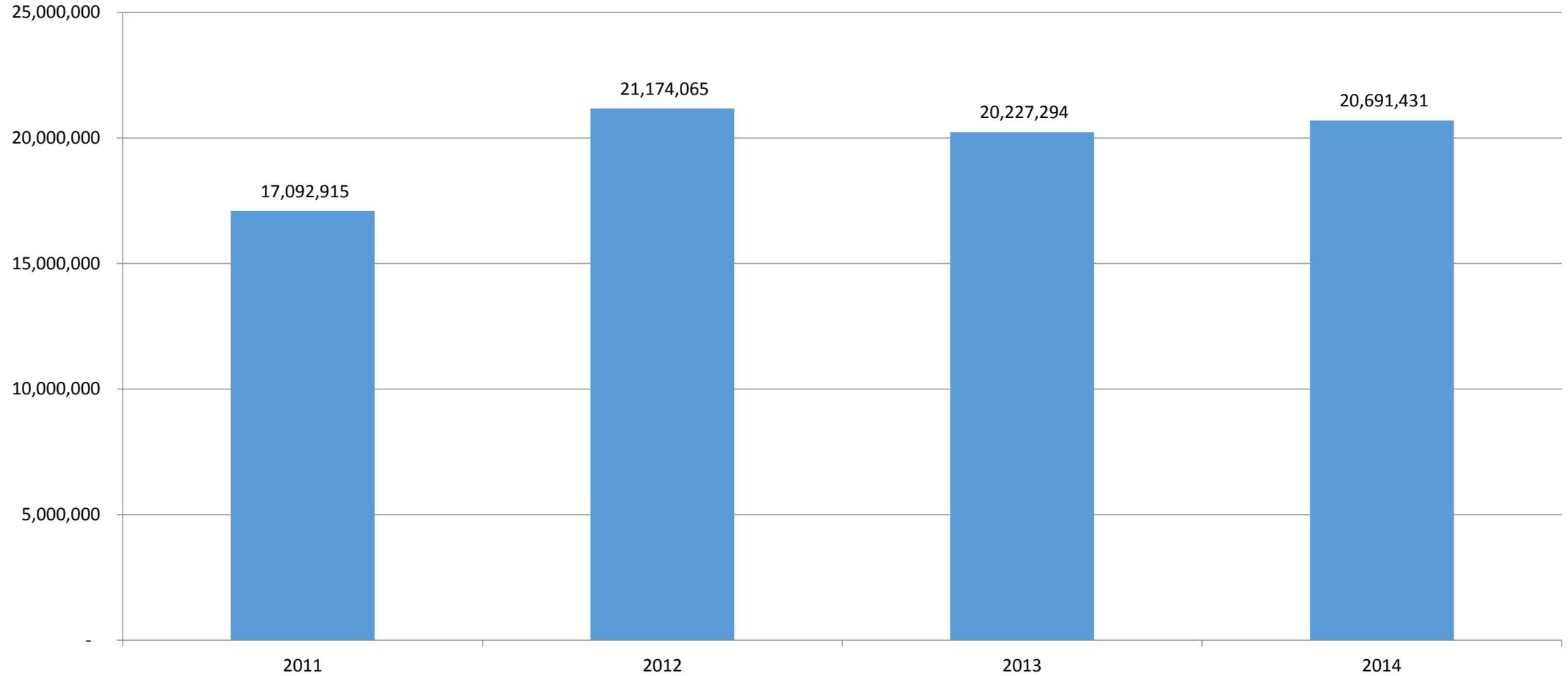
Aspect #	Significant Aspect	Related Activities, Products & Services	Responsible Party	Key Operation Characteristic	Operational Control	Monitoring & Measuring Technique	Comments / Status	Objects / Targets Programs
1	Potential Spill	*Raw & Process Abamectin Storage & Handling; *Caustic and Sulfuric Acid handling and storage in EcoStar; *PIT Batteries	Brian Colloton, Jake Taylor	Proper Storage & Handling, Emergency Action & Response Plan (EARP)	Engineering Controls (Structural), Work Instructions & Emergency Action & Response Plan	Incident reports	No documented incidents w/RQ	
2	Characteristic Hazardous Waste	PET Recycling (Grinder Sludge, Wastewater Treatment Sludge)	Pete Schroepfer, Jake Taylor	pH adjust, proper handling and disposal	Work Instruction, pH measuring and documentation	pH measuring, periodic testing	within control	
3	Radiation/X-ray devices	Extrusion 01 & Extrusion 02	Jake Taylor, Jim Hart	PM's	Work Instructions, documentation, licensing	Vendor reports	within control	
4	Liquid Industrial Waste	North Plant Zero Discharge Permit	Jake Taylor, Brett Hubbard	Discharge Permit	Drain plugs, work Instructions, documentation, regulatory reporting	Incident reports, recordkeeping	within control	
5	Pesticide Usage	North Plant	Brett Hubbard, Brig Borcharding	Recordkeep[ing]	Annual Report	Recordkeeping and regulatory reporting	within control	
6	Waste Water	PET Recycling	Pete Schroepfer	pH	pH probe calibration and recordkeeping, and automatic shut-off valves	Buffer solutions, and download from pH datalogging system	within control; >5.5,<10	
7	Air Pollution	Main Plant Baghouse	Jake Taylor, Jim Hart, Brian Colloton	Monitoring /Measuring	Manual Reading, PM, calibration of meter, MPAP	meter Readings and documentaion	within control	

2014 EMS Objectives and Targets

Re-Evaluation of Aspects & Impacts adjusted our Objective and Targets
A&I should drive O&T

- Develop solution with Grinder and Wastewater Sludge pH ✓
- Maintain within permit limit to MMSD ✓
- Decrease in Total lbs sent to landfill ✓
- Increase in Total lbs Recycled ✓
- Decrease Total gallons of water used ✓
- Decrease in Regulated / Non Regulated / Hazardous Waste ✓
- Decrease Greenhouse Gases (MT of CO₂e) ✓

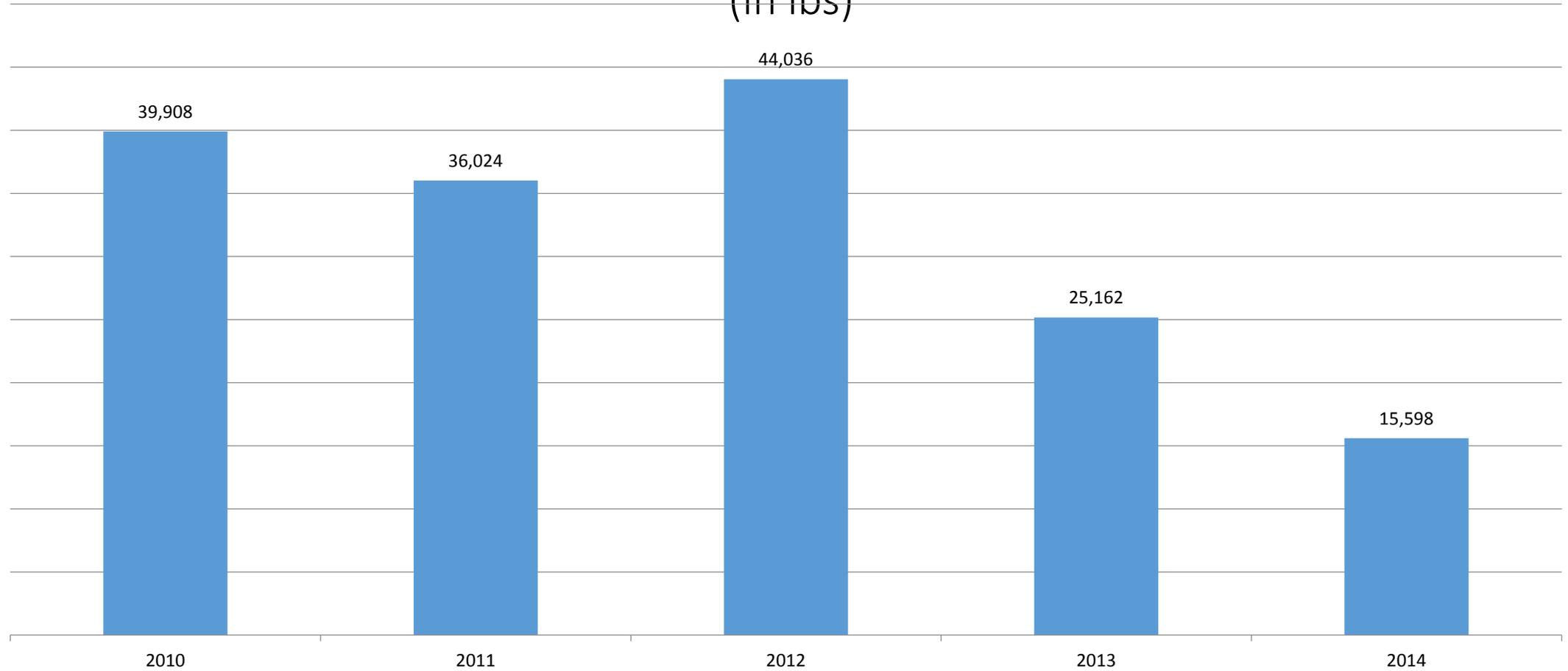
Gallons of H₂O Used



Non- Regulated Waste

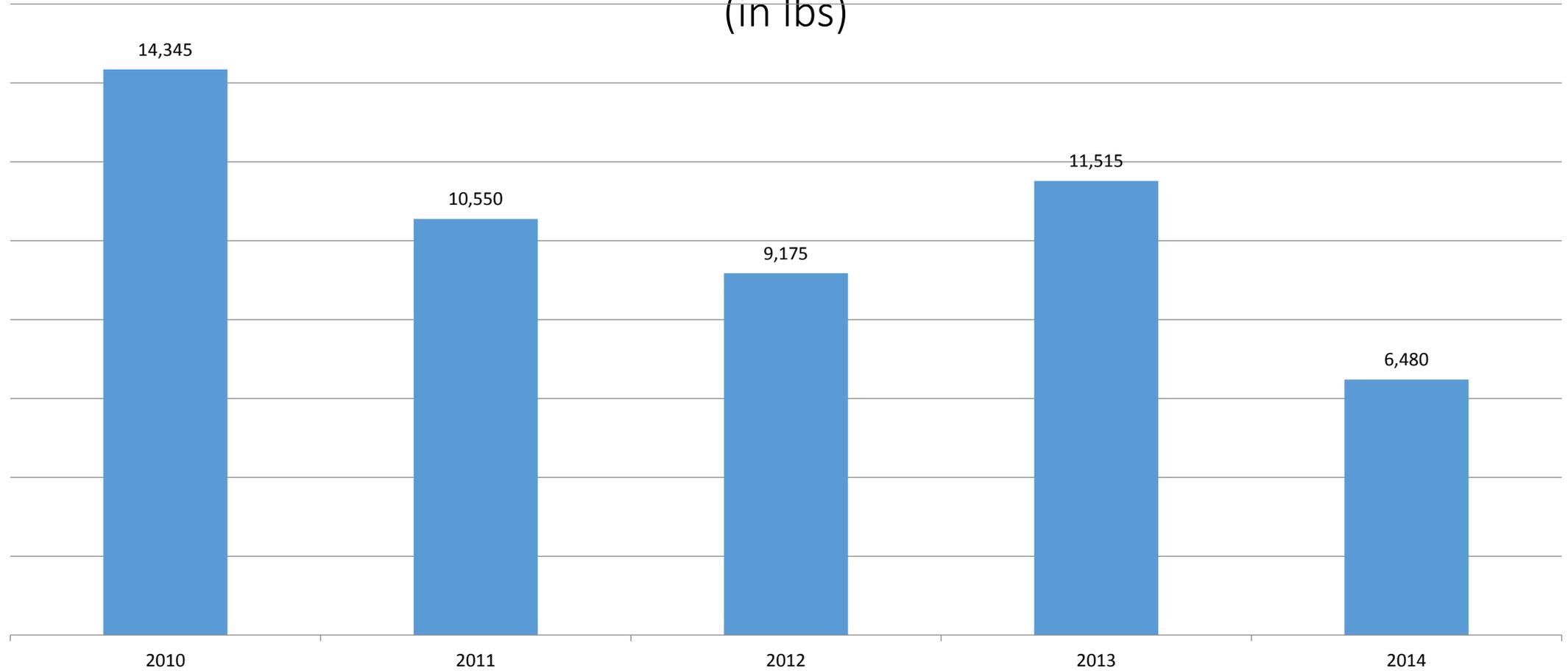
(scent rinse outs/mop water in NP)

(in lbs)



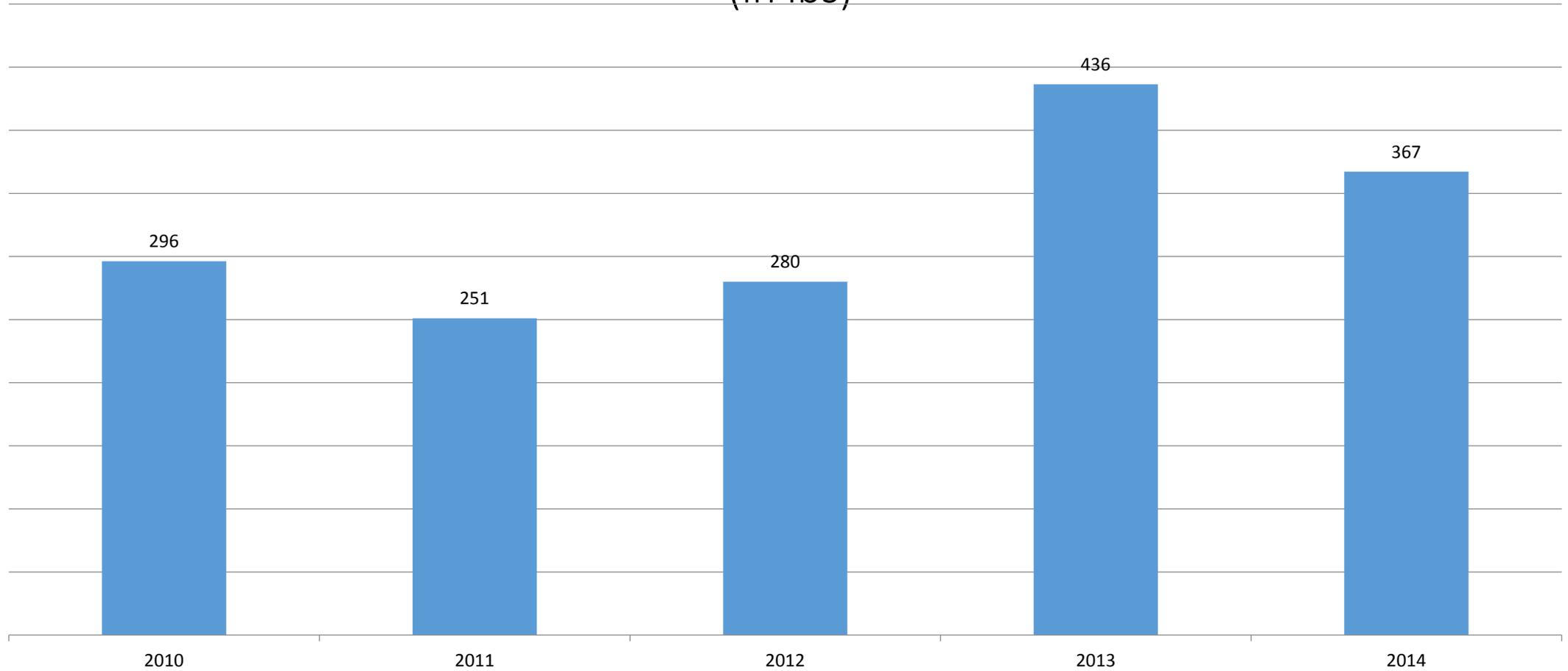
Regulated Waste

(Other than Hazardous) (Abamectin)
(in lbs)



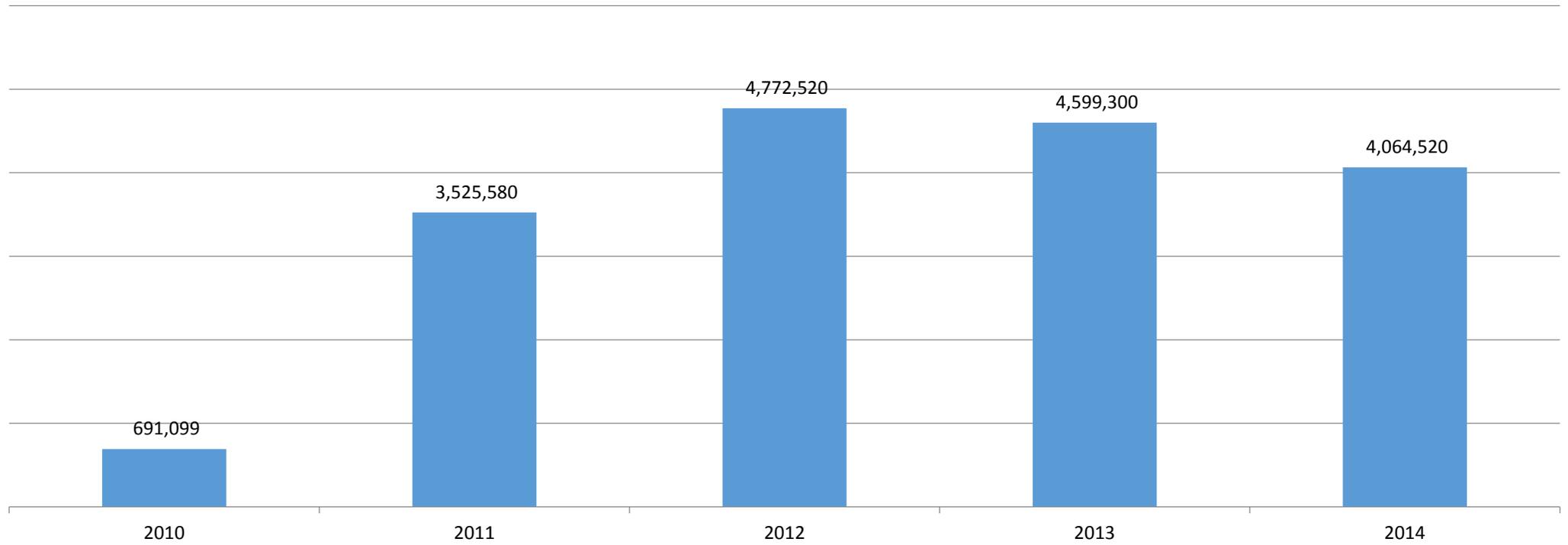
Hazardous Waste

(aerosol cans, mobil phase)
(in lbs)

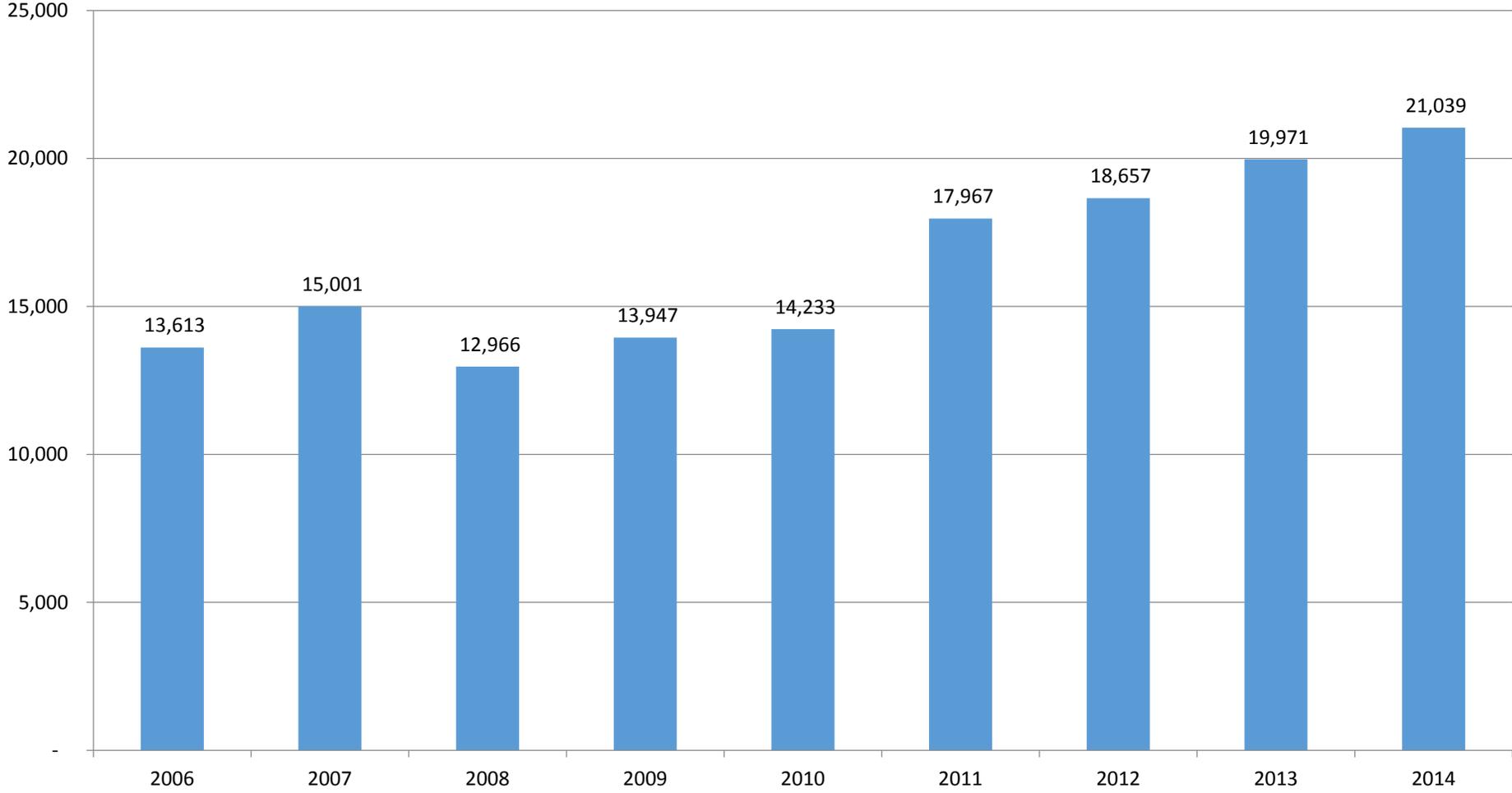


Total Landfilled

(in lbs)



MT of CO₂e

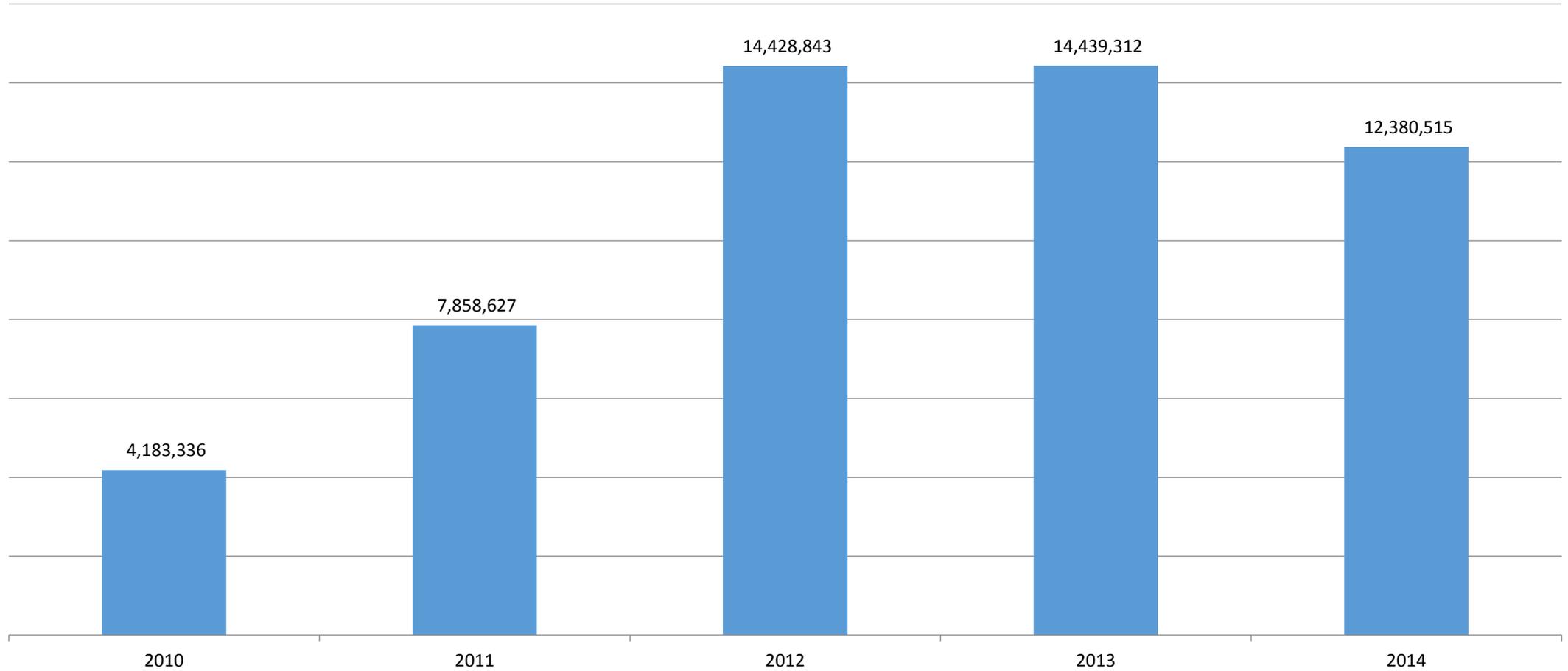


Based on gas and electric usage only

Total Recycled

(in lbs)

= 6190 Tons



So...based on the Math

- We used 21,039 MT of CO₂e (gas and elec)
- We landfilled 5,670 MT of CO₂e (trash)
- For a total of 26,709 MT of CO₂e

However...

- We recycled 17,270 MT of CO₂e (yeah!)

= Grand Total of 9,439 MT of CO₂e in 2014

Our 2014 Recycling Efforts Equivalency Results

The information on CO₂e entered above is equivalent to one of the following statements:

- Annual greenhouse gas emissions from **3,636** passenger vehicles
- CO₂ emissions from **1,943,288** gallons of gasoline consumed
- CO₂ emissions from **40,163** barrels of oil consumed
- CO₂ emissions from **229** tanker trucks' worth of gasoline
- CO₂ emissions from the *electricity* use of **2,376** homes for one year
- CO₂ emissions from the *energy* use of **579** homes for one year
- Carbon sequestered by **442,821** tree seedlings grown for 10 years
- Carbon sequestered annually by **14,156** acres of forests
- Carbon sequestered annually by **133** acres of forest preserved from deforestation
- CO₂ emissions from **719,583** propane cylinders used for home barbeques
- CO₂ emissions from burning **92.6** railcars' worth of coal
- Greenhouse gas emissions avoided by recycling **6,190** tons of waste instead of sending it to the landfill
- Annual CO₂ emissions of **.005** coal fired power plants

WISCONSIN DNR GREEN TIER SUSTAINABILITY METRICS

Period Covered: 2014

Company Name:	Placon Corporation
Facility Name:	
Address:	6096 McKee Road
City, State, Zip:	Madison, WI 53719
Environmental Coordinator:	Chris Jagodzinski
Coordinator Phone:	608-278-6023
Coordinator E-Mail:	cjagodzinski@placon.com

Metric	Not Collected/ Not Available	Quantity	Units	Period - if not Calendar Year
DEMOGRAPHICS				
Sales	x			
Money saved because of material or process improve	x		\$	
Profit or Loss	x		%	
Employees		350	Each	
Multiple between highest paid and lowest paid employ	x		%	
Alternative Transportation Support	x		\$ or ?	
Total Purchases	x		\$	
In-State Purchases	x		\$	
% of Purchases Made from Companies that participate	x		%	
LAND				
Total Land		9	Acres	
Paved/Covered Land	x		Acres or sq ft	
ENERGY				
Electricity		38,717,474	kWh	
		0.7	% reduction	
Natural Gas		800,708	therms	
		9	% increase	
Renewable Energy (generated on-site)		0	% of total use	
Renewable Energy (as a % of utility electricity mix)		0	%	
WATER				
Total Water Used		20,691,431	gallons/year	
		2	% increase	
Source - private well		0	% of total use	
Source - public system		100	% of total use	
Water Recycled/Reused	x		gallons/year	
	x		% reduction	
AIR				
Total Air Emissions		60274	lbs/ year	
	x		% reduction	
Greenhouse Gas Emissions		9027	lbs/ year	
	x		% reduction	
WASTE				
Hazardous Waste Disposal		367	lbs/ year	
		16	% reduction	
Universal Waste Disposal		6480	lbs/ year	
		44	% reduction	
Non-Hazardous Waste Disposal		15598	lbs/ year	
		38	% reduction	
Material Recycled/ Reused		12,380,515	lbs/ year	

increased production

Material Recycled/ Reused		16	% decrease	
Recycled/ Reused Content			% of product	
TRANSPORTATION				
Hybrid Vehicles		0	Each	
Gasoline Used	x		Gallons	
Diesel Used - vehicles		0	Gallons	
Diesel Used - Generators		0	Gallons	
Alternative Fueled vehicles (CNG, LNG, Fuel Cell, Electric)		0	#	
ADDITIONAL METRICS				
Please list all other designations/certifications (for example: LEED, Green Globes, Green Masters, Energy Star, ISO 14001):				