



# 2016 Sustainability Report



Munters Corporation  
Lansing, Michigan Factory

2691 Ena Drive  
Lansing, MI 48917

Date: 12-31-2016

## **“We take our Corporate Social Responsibilities seriously.”**

As a global leader in energy efficient air treatment solutions, we at Munters take our Corporate Social Responsibility seriously. We understand how we impact the world we all live in.

This is why at Munters we work every day to create “Your Perfect Climate”. For our customers we provide products and solutions that reduce their energy consumption. This contributes to the reduction of the world’s emissions.

In our manufacturing we have a sustainable approach, focusing on efficient usage of natural resources, while reducing and recycling our waste. Because at Munters, one of our core values is to think “there is always a better way”.

We have made significant improvements but we pledge to always seek opportunities to improve our products as well as our manufacturing practices.

Munters will continue to be a part of creating a sustainable future for everyone.

**John-Peter Leesi**

CEO, Munters AB

# 2016 Objectives & Targets Summary

*EH&S Corporate Objectives for manufacturing sites: (baseline 2013, target EOY 2017)*

## Corporate Objective #1

Implement or refine an *Environmental, Health, & Safety Management Program*

**Target:** Develop an EH&S Program and integrate into our daily business management systems.

**Result:** Our formal EH&S Program is under development. We are currently working with Munters' U.S. EH&S manager for implementation in 2017.

## Corporate Objective #2

Drive continuous improvements through a prioritized *EH&S Facility Risk-Aspect List*

**Target:** To perform and assess, select and prioritize our EH&S Risk-Aspects and drive risk reduction within each chosen aspect. Risk reduction shall be measured by the aspect scoring system.

**Result:** As part of working with Munters' U.S. EH&S manager developing our formal EH&S Program, our strategy is to develop and introduce our Aspect List by EOY 2017.

## Corporate Objective #3

Reduce *TRIR Rate* by 50% (*e.g. outside medical treatment, lost work days, restricted duty*)

**Target:** Reduce our 2014 TRIR Rate from 7.5 to 3.75 by improving our injury root cause analysis process and our corrective actions effectiveness.

**Result:** The Michigan TRIR rate was reduced from 7.5 to 4.6 representing a 39% reduction. We will continue our reduction strategies into 2017.

## Corporate Objective #4

Reduce *Energy / Resource Use* (*e.g. electricity, natural gas, propane, diesel, oil, water*)

**Target:** Reduce electricity use throughout our administration and manufacturing facilities through curtailment practices, more efficient machinery, and refined lighting and HVAC use.

**Result:** Moved to new larger facility in late 2016. As part of the building construction included LED lighting and energy efficient HVAC.

## Corporate Objective #5

Reduce *Water* consumption and/or waste of processes or factory (*reduces, reuse, recycle or capture*)

**Target:** No water is used in any manufacturing processes. Water is used for life consumption only.

**Result:** No water used in the manufacturing processes. Only used for human consumption

## Corporate Objective #6

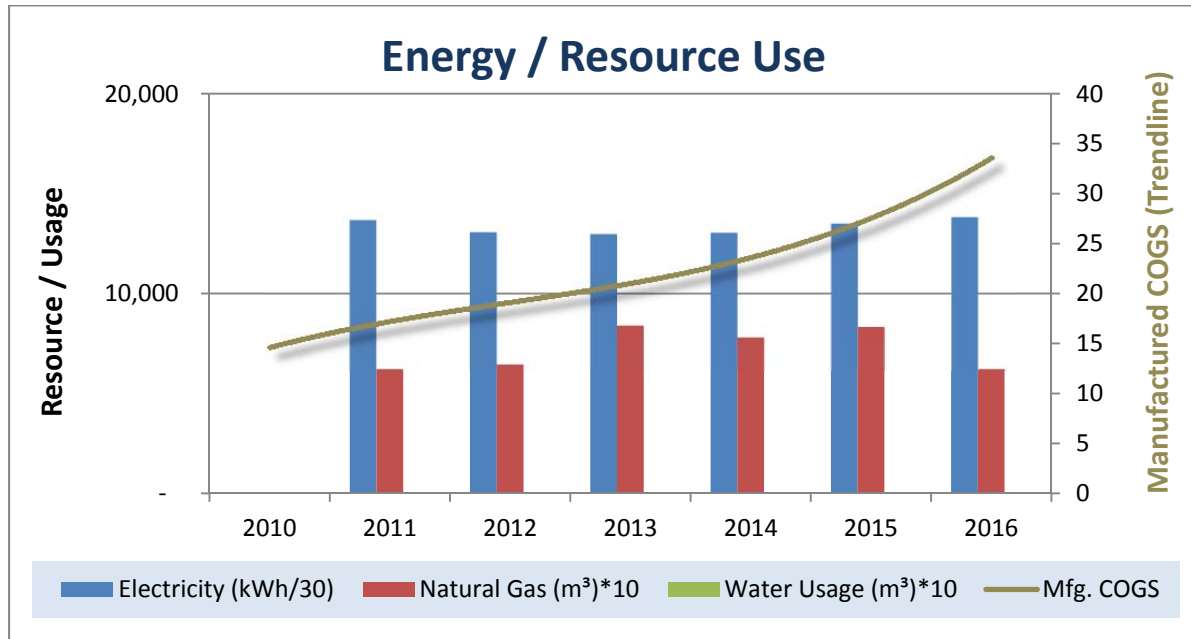
Reduce *Non-Recycled* type waste (*non-recycled wastes, reduce, reuse or recycle*)

**Target:** All recyclable waste is currently being recycled. A formal recycling program is in place since 2010.

**Result:** Recycling program was maintained in 2016.

# Performance Data Summary

## Environmental Performance Data



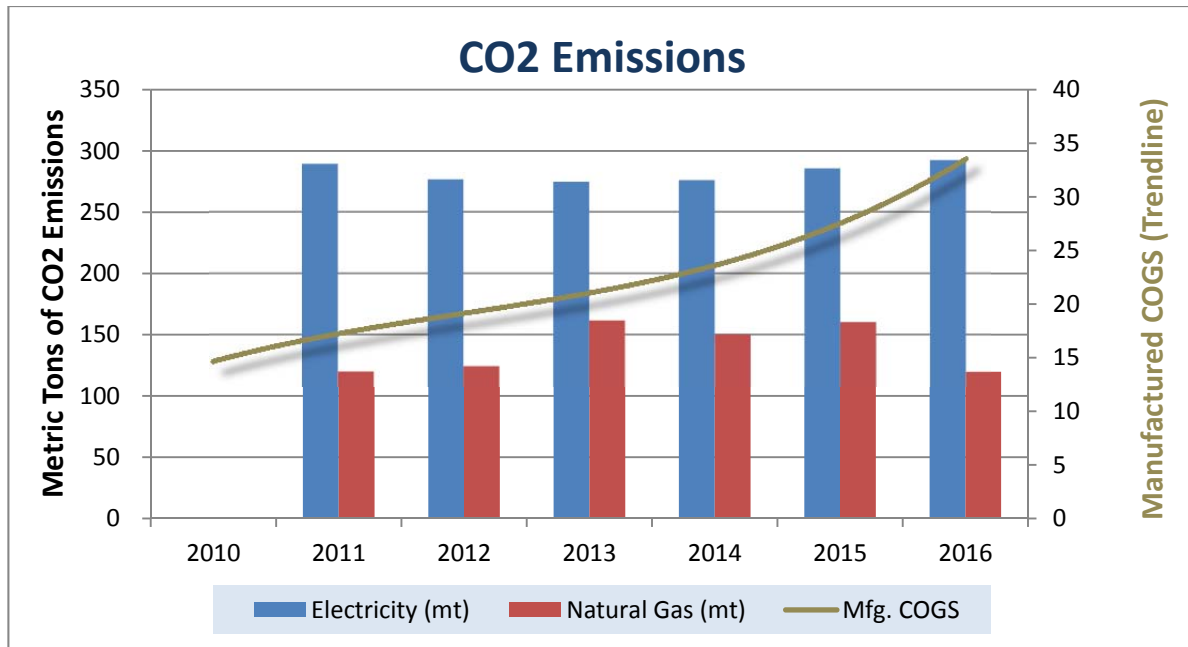
Resource / Usage	2010	2011	2012	2013	2014	2015	2016
Electricity (kWh/30)	-	13,653	13,053	12,960	13,027	13,473	13,798
Natural Gas (m³)*10	-	6,255	6,479	8,411	7,827	8,345	6,245
Water Usage (m³)*10	-	-	-	-	-	-	-
Manufactured COGS	14	19	19	19	24	29	33

**Notes:**

- Trend line represents manufactured COGS

**Summary:**

- No water used in production processes. Only used for Human consumption



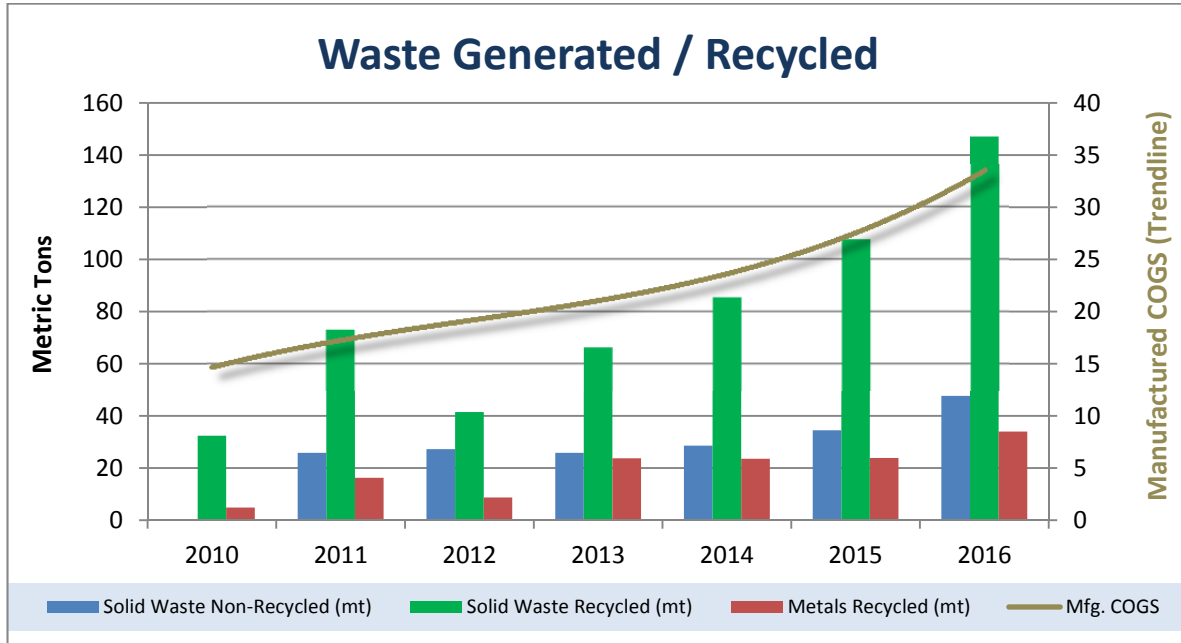
CO2 Emissions	2010	2011	2012	2013	2014	2015	2016
Electricity (mt)	0	289	276	274	276	285	292
Natural Gas (mt)	0	120	124	161	150	160	120
Total CO2 Emissions (mt)	0	409	401	436	426	445	412
Manufactured COGS	14	19	19	19	24	29	33

**Notes:**

- “Note: if part of energy used is “renewable source energy”, comment this here”
- Trend line represents manufactured COGS
- All emissions calculated through EPA’s emission calculator (mt/co2)  
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

**Summary:**

No significant changes or increases for 2016.



Waste Recycled	2010	2011	2012	2013	2014	2015	2016
Solid Waste Non-Recycled (mt)	0	26	27	26	29	34	48
Solid Waste Recycled (mt)	32	73	41	66	85	108	147
Metals Recycled (mt)	5	16	9	24	24	24	34
Manufactured COGS	14	19	19	19	24	29	33

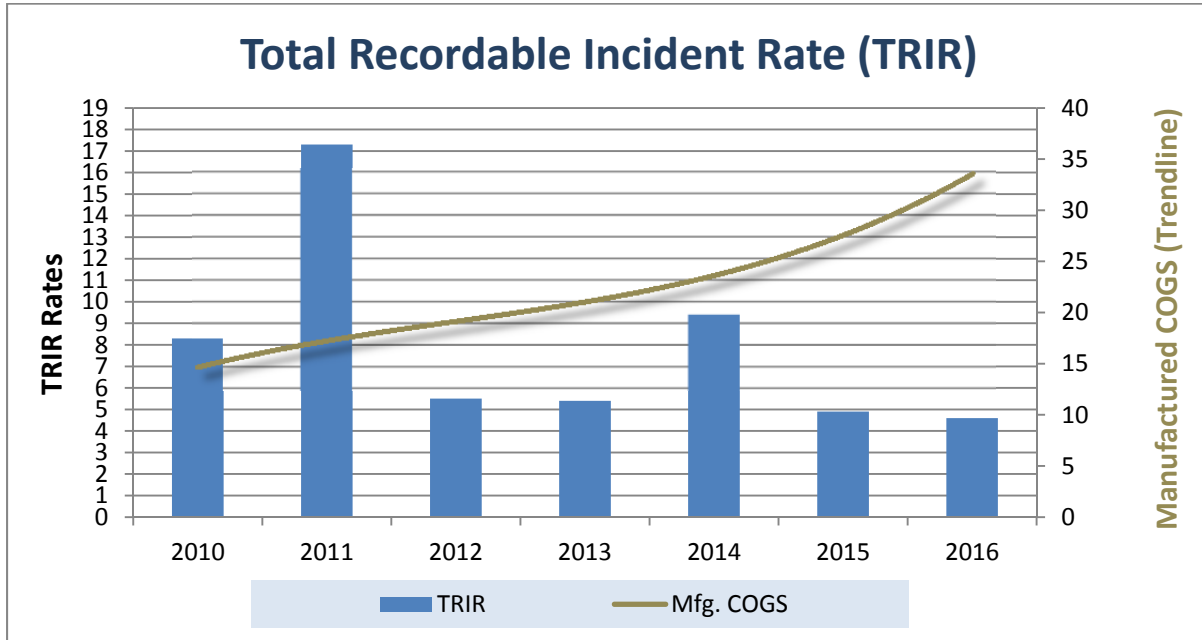
**Notes:**

- Trend line represents manufactured COGS
- All data is raw, not normalized; therefore increases are due to throughput increases unless otherwise noted.

**Summary:**

Complete facility recycling program started in 2010 and maintained in 2016

## Safety & Health Performance



Safety Rates	2010	2011	2012	2013	2014	2015	2016
TRIR	8.3	17.3	5.5	5.4	9.4	4.9	4.6
Manufactured COGS	14.06	18.72	19.4	19.15	23.83	29.04	32.89

**Notes:**

- TRIR Industry Average (US) = 5.9 (Based on BLS 2011 Q1 NAICS tables – 333415 /50-250)
- Trend line represents manufactured COGS.

**Summary:**

The Michigan TRIR rate for 2016 was 4.6. We will continue our reduction strategies into 2017