

Sustainability Report

2018

Hammond Manufacturing Limited (HMCL) understands how important the equilibrium between the environment and the economy is to succeed hence why as a company; we are dedicated to manufacture products as efficient as possible to help increase the recovery and recycling of our products. Moving towards being a more environmentally friendly company has helped us recognize how crucial our actions are for the wellbeing of the company, employees and the community. During previous years different strategies have been put in place to ensure that all employees working at Hammond realize their role in reducing their carbon footprint on the environment. Each year HMCL diverts millions of pounds of scrap steel, aluminum, stainless steel, wood, paper and cardboard from landfill.

As a company we are devoted to continuously provide information on updates, strategies and programs put in place to reach our goal of recycling a 100% of our waste. This is why we issue reports on a yearly basis to share our commitment and dedication on our sustainability journey.

Strategies implemented during previous years:

- 2011 replacement of older welding machines to reduce energy consumption (47200 kWh to 13600 kWh)
- 2012 implementation of bins for E-waste collection (11,274lbs collected)
- 2013 Toxic reduction plans included:
 - Training
 - Collection of grinding, graining and laser dusts to keep them out of the landfill
 - Improvement of our welding processes to reduce the amount of grinding necessary
- 2014 Battery diversion initiatives (Collecting more than 202lbs of batteries)
- 2015:
 - daylight harvesting (Wilbert)
 - closed loop wash water system (Wilbert)
 - Grinding, welding and laser dust collection (6518lbs of dust collected)
 - Pop can diversion (300lbs collected)
 - Paper towel (2.34 tons recycled)

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- 2016:
 - New paint line that allowed to reclaim paint and recycle it (Approx. recovery of 75% of our powder paint)
 - non-phosphate chemical wash process that reduces the amount of sulfuric acid used in waste water treatment
 - A waste water reclaim system that has allowed us to recover almost 100% of the wash water (Wilbert)
- 2017 plastic diversion including shrink wrap and plastic water bottles.
- 2018:
 - New environmental room that provided new space for another gasket machine (Edinburgh)
 - New efficient machines
 - Press Machines
 - Salvagnini
 - Schroder(Edinburgh)
 - AMADA EM3612ZRT CNC Turret Machine (Wilbert)
 - Implementation of noise baffles that help us minimize noise pollution by reducing the strength (level) of airborne sound (Edinburgh)
 - New layouts that have allowed for an increase in efficiency and safety (Edinburgh)
 - Implementation of new welding stations dedicated to train employees. This will reduce the amount of grinding needed (Edinburgh)

The effectiveness of all these strategies has been possible by continuously implementing changes that have directed us towards being a more environmentally friendly company thus reducing our impact on the environment. Our commitment to the environment and the community is a vital part of who we are. Therefore, we are continually looking for new and innovative ways to reach our goal of recycling a 100% of our waste water, scrap steel, paper, plastic and E-waste.

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Metal Recycling

During the manufacturing process, scrap steel is collected for recycling (Combined Edinburgh Rd and Wilbert St)

2018 total quantity of scrap metals = 6,276,140 lbs.

- **5,475,140 lbs. of mild steel**
- **683,860 lbs. of stainless steel**
- **117,140 lbs. of aluminum**

Paper and Plastic Recycling

Hammond works with a third party service to ensure our cardboard and paper is properly recycled. During 2018 the following total quantities were recycled:

Total Recycled= 313,762 lbs. annually

Break down per product:

- Scrap papers = 82,541.1 lbs.
- Cardboard= 165,082.2 lbs.
- Plastic Diverted= 66,138.7 lbs.

Electronic Waste

In 2018, HMCL diverted 2688 lbs. of E-Waste from landfill. This reduction helped us to divert the heavy metals and plastic components such as lead, mercury, and chromium found in electronic waste. As we continue our mission of diverting toxic components found in E-waste we ensure that our ground water supplies and soil are free of contamination.

Total quantity of scrap metal, paper and E- waste that HMCL diverted from landfills during 2011-2018

- Scrap metal: 34,174,371Lbs.
- Scrap paper: 722,721.002 Lbs.
- E-waste: 13,962 Lbs.

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Break down per year:

Total	2011	2012	2013	2014	2015	2016	2017	2018
scrap metals	4317529 lbs.	4,982,035 lbs.	3,703,760 lbs.	3,755,155 lbs.	4,220,019 lbs.	5,197,602 lbs.	5,474,286 Lbs.	6,276,140 lbs.
Scrap Paper		87,839 lbs.	87,839 lbs.	83489 lbs.	114,266 lbs.	122,797.47 lbs.	185,220lbs.	82,541.064 lbs.
Electronic Waste	2154 lbs.	1284 lbs.	3098 lbs.	483 lbs.	483 lbs.	1294 lbs.	2478 lbs.	2688 lbs.

Toxic reduction Plans

The toxic reduction plans for the year of 2019 includes an internal review of all seven of the reportable chemicals used at Hammond manufacturing to make sure we are doing our best to reduce the amount of chemicals used at all plants.

New for 2019:

2019 will be an exciting year for HMCL we are currently working on:

- Changing process layout to increase efficiency and safety.
- Installing a new fire alarm system. This will provide occupants prompt warning in the case of an emergency (Edinburgh)
- Redesigning our packaging to reduce extra usage of resources such as, cardboard and plastic.
- Completing the Province of Ontario's Energy & Water Reporting and Benchmarking (EWRB). This will serve as another strategy to fight climate change and cut greenhouse gas pollution. Reporting will help us to:
 - Benchmark how much energy and water our building currently uses
 - Identify ways to reduce our energy and water use and costs
 - Measure improvements over time
- Designing a new plant wide 5s initiative to:
 - Increase workplace organization and safety
 - Further reduce waste
 - Increase efficiency