

# CBA



**Canadian Battery Association**  
Representing the Industry Since 1970

## **Annual Report to the Director**

### **2017 Calendar Year**

**Submitted to:** Director of Waste Management  
Winnipeg, Manitoba.

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**June 1, 2018**

During 2017, the CBA maintained a strong recycling network in urban and rural parts of Manitoba and began an active role in the development of a recycling network for remote First Nation Communities. The project involves the ongoing cooperation and coordination with other Stewardship Programs, the Ministry of Sustainable Development and Indigenous Services Canada.

The table below summarizes the Canadian Battery Association's (CBA) program performance in 2017 as per *Manitoba's Household Hazardous Material and Prescribed Material Stewardship Regulation* Annual reporting requirements.

<b>Products in Plan</b>	Lead-Acid Battery Category (LABs)
<b>Program website</b>	<a href="http://www.canadianbatteryassociation.ca">www.canadianbatteryassociation.ca</a> and <a href="http://www.recyclemybattery.ca">www.recyclemybattery.ca</a>
<b>Topic</b>	<b>Summary</b>
Public Education Materials and Strategies	<ul style="list-style-type: none"> <li>• Operation of the CBA's website to identify Return Collection Facilities for consumer and industrial lead-acid batteries (LABs) – see <a href="http://www.recyclemybattery.ca">www.recyclemybattery.ca</a>;</li> <li>• Development of National Recyclepedia phone App.</li> <li>• Establishment of a toll-free Recycling Hotline: 1-833-216-3664</li> </ul>
Collection System and Facilities	<ul style="list-style-type: none"> <li>• 89 Return Collection Facilities for Consumers;</li> <li>• 11 Return warehouses for Commercial LABs</li> </ul>
Product Environmental Impact Reduction, Reusability and Recyclability	<ul style="list-style-type: none"> <li>• <b>Product Environmental Impact Reduction:</b> <ul style="list-style-type: none"> <li>○ CBA has developed and implemented a Transportation of Dangerous Goods (TDG) training and certification program. The goal is to ensure compliance with TDG and ensure public safety and environmental protection during the transportation of new, used and waste LABs.</li> </ul> </li> <li>• <b>Reusability:</b> <ul style="list-style-type: none"> <li>○ Up to 15% of automotive LABs can be refurbished and resold as a used LAB;</li> <li>○ Typically 100% of the electrolyte from LABs recycled is reused as an input in another production process.</li> </ul> </li> <li>• <b>Recyclability:</b> <ul style="list-style-type: none"> <li>○ 99% of lead is recovered in the smelting process;</li> <li>○ Approximately 75% of the polypropylene plastic is recycled. The remaining polypropylene and 100% of the acrylic plastic used for stationary batteries is burned in the smelter for energy recovery and creation of an anoxic environment necessary for the smelting process;</li> </ul> </li> </ul>
Pollution Prevention and 4R's Hierarchy	<ul style="list-style-type: none"> <li>• LABs recovered by CBA members are: <ul style="list-style-type: none"> <li>○ Sorted and evaluated for its potential for reuse;</li> <li>○ All of the LABs recovered in Manitoba by CBA members were transported to one of 5 smelters in North America for recycling. The smelters are: <ul style="list-style-type: none"> <li>▪ Tonolli Canada, Mississauga, Ontario</li> <li>▪ Gopher Resources, Eagan, Minnesota, USA</li> <li>▪ Exide Technologies, Muncie, Indiana, USA</li> <li>▪ Exide Technologies, Canon Hollow, Missouri, USA</li> <li>▪ Johnson Controls, USA</li> </ul> </li> </ul> </li> </ul>

<p>2017 Recovery Rate</p>	<ul style="list-style-type: none"> <li>• SLI Lead-Acid Batteries (i.e., Automotive) <ul style="list-style-type: none"> <li>○ Sales: 6,101,000 kg</li> <li>○ Recovery: 6,060,00 kg</li> <li>○ Recovery Rate: 99 %</li> </ul> </li> <li>• Motive Lead-Acid Batteries (i.e., Forklift) <ul style="list-style-type: none"> <li>○ Sales: 270,000 kg</li> <li>○ Recovery: 127,000 kg</li> <li>○ Recovery Rate: 47 %</li> </ul> </li> <li>• Stationary Lead-Acid Batteries (i.e., UPS) <ul style="list-style-type: none"> <li>○ Sales: 480,000 kg</li> <li>○ Recovery: 32,000 kg</li> <li>○ Recovery Rate: 7%</li> </ul> </li> <li>• Combined Sales and Recovery for Lead-Acid Batteries <ul style="list-style-type: none"> <li>○ Sales: 6,850,000 kg</li> <li>○ Recovery: 6,200,000 kg</li> <li>○ Recovery Rate: 91%</li> </ul> </li> </ul>
<p>Financial Statements</p>	<p>CBA does not charge a visible eco-fee or have a deposit-refund type system. The Audited Financial Statements are posted on our website at <a href="http://canadianbatteryassociation.ca/index.php/annual-reports">http://canadianbatteryassociation.ca/index.php/annual-reports</a></p>