

To: Board of Management

From: Kyla Greenham
Curator, Conservation & Environment

Subject: **2016 ENVIRONMENTAL INITIATIVES REPORT**

Date: 2017-03-30

Summary:

The purpose of this report is to update the Board of Management on environmental initiatives achieved and environmental priorities for the Toronto Zoo in 2016. The Toronto Zoo continues to complete projects to improve energy efficiency, water conservation, waste diversion and employee and public engagement to reduce its overall carbon footprint. The Toronto Zoo has made tremendous progress in the development of the Environmental Management System that will provide strategic direction for capital and operational projects to realize the 2027 greenhouse gas emission targets of the Green Plan.

Recommendations:

It is recommended that this report be received for information.

Financial Impact:

There is no financial impact from this report.

Comments:

The Green Eco-Zoo Team (GEZT), a non-technical advisory committee to the CEO, addresses the environmental impacts of Zoo operations, policies and procedures, and makes recommendations that will lessen our ecological footprint in the Rouge Valley and on the earth. The organizational structure of GEZT incorporates all divisions and units of the Zoo and meets quarterly.

GEZT provides an annual report to the CEO for presentation to the Board of Management on environmental projects, programs and initiatives in progress or completed over the past year. Mrs. Kyla Greenham chairs GEZT with Ms. Nia Gibson as co-chair.

In 2016, Toronto Zoo staff continued to complete operating and capital projects towards a more sustainable platform at the Zoo, as well as initiating a number of projects that

captured the interest of staff and visitors, met the needs of reducing the Zoo's carbon footprint and optimized existing programs to financially benefit the Toronto Zoo.

Energy Efficiency Improvements

The Toronto Zoo is proud to profile green technologies through incorporation into the exhibits visible to the public. A key benefit of using the green technologies in animal exhibits is the ability to make direct connection about the impact of climate change on the animals and their habitats and the benefits seen when we all make efforts to reduce our impact on climate change. To actively achieve our 2007 Green Plan targets, the Zoo has identified the need to improve operational efficiencies in its building infrastructure. Many of the changes made in 2016 are not publically profiled, but are more effective in reducing the Zoo's overall carbon footprint. Direct action taken to address the Zoo's top operational activities that impact the environmental (identified as environmental aspects) are designed to optimize our current energy and water consumption rates. Optimization of these activities to meet the needs of Zoo operations and reduce our consumption is the first step in a long term plan to reach a target of reducing greenhouse gas emissions by 95% below 1990 levels by 2027.

In 2015, the Utilities Branch initiated a site wide energy consumption reduction program with the installation of the first three on-demand hot water heaters. As of the end of 2016, a total of 18 hot water heaters with storage tanks have been replaced by 17 on-demand hot water heaters. At a cost of ~\$34,000 (\$2,000/unit), with an average estimated annual energy savings of \$2,461 (or \$144 per tank). As many of the hot water tanks serviced areas that did not demand high volumes of hot water, the annual energy savings could far exceed this. The project projects a reduction of energy consumption of 12 to 14% per tank.



In support of taking action on climate change, the Toronto Zoo celebrated Earth Hour by turning off all non-essential lights from 8:30 p.m. to 9:30 p.m. To increase public awareness about Earth Hour and the impact of climate change, Toronto's Facebook page hosted four spotlights on how climate change is impacting the habitat range of endangered species that can be viewed at the Toronto Zoo. Signage throughout the Zoo the week leading up to Earth Hour, also highlighted impacts to habitat and how people can reduce such impact.

The installation of 50 thermal solar panels on the roof of the Administrative Support Centre in 2012 was designed to offset natural gas consumption for the generation of hot water in the Administrative Support Centre as much as 46.9%, by producing 88,748 kWh of energy annually, and reduce carbon emissions by 27 tonnes per year. Recent analysis of the reports and energy bills indicate the project saved the equivalent of \$2,400 of natural gas in the past 24 months.





For the past two years, the Utilities Branch has been researching the installation of variable frequency drives (VFDs) to reduce energy consumption in the Africa Rainforest Pavilion, Indo-Malayan Pavilion, Australasia Pavilion, Americas Pavilion and Administrative Support Centre. The use of VFDs will permit the adjustment to fans and pumps more frequently to optimize heating/cooling capacity, air circulation and humidity and reduce energy consumption. In October

2016, the Indo-Malayan Pavilion will be retrofitted with 4 VFDs. The building has realized a 50% reduction in energy consumption per month. This project was supported by a 50% saveONenergy Program incentive rebate.

The Conservation Connection Centre received a new high efficiency furnace.

Facilities and Services replaced an air exchange and a heating unit in the remaining units of the Wildlife Health Centre with a high efficient air recovery HVAC system.

Green Technology Implementation

In 2015, the Custodial pilot test of an Ozone Water Sanitizing system was well received by custodial staff, GEZT and management as an effective tool to reduce the amount of chemicals and water utilized for cleaning the Administrative and Operations Complex and still maintaining health and cleanliness standards set by the Zoo. In response to the success of this program, the Zoo has purchased an additional two units which are to be installed in 2017.

The Facilities and Services branch continues to upgrade lighting systems to LED and has replaced approximately 8% of all Zoo lighting with LED bulbs. In 2016, all exterior building lights on the Administration and Operations Complex were retrofitted with LED, the Education building received an LED upgrade and overnight security lighting in the Africa Rainforest Pavilion and Indo-Malayan Pavilion have been upgraded to LEDs.

Grounds Services and Development branches worked together to source and purchase new outdoor benches for the Zoo's Wild Walk Gift Program. The benches, made from 100% recycled plastic, have a low environmental impact in comparison to the standard metal benches previously purchased. The benches have been tested to show similar levels of strength and resistance to weathering as their metal and non-recyclable counterparts and still provide a professional clean look for Donors wishing to memorialize family and friends.

Environmental Awareness/Public Outreach

The Toronto Zoo reached a number of audiences in 2016 to promote environmental and sustainability awareness through public outreach opportunities.

Once again the Toronto Zoo participated in the three day 2016 Green Living Show held at the Toronto Convention Centre. The show is North America's largest green consumer show dedicated to educating the public about easy and workable solutions for leading a sustainable lifestyle. More than 35,000 people attended the show over the weekend. Zoo staff and Volunteers made contact with 25,000+ visitors.

Toronto Zoo held Earth Day Celebrations (EDC) onsite with activities located throughout the Tundra Trek. Earth Day® Canada, a leading environmental education NGO, partnered with the Zoo to provide activities and games for kids and families. Thirteen environmental education organizations in Ontario were invited to provide visitors with fun resources showcasing the many ways we can be leaders in “green” living including; Adopt-A-Pond Wetland Conservation Programme, Great Lakes Outreach, PhoneApes Cell Phone Recycling, Polar Bear International, ZooShare, Live Green Toronto, Royal Ontario Museum, Friends of the Rouge Watershed, Landscape Ontario Horticultural Trades Association, Toronto Beekeepers Co-operative, Ontario Invasive Plant Council, Partners in Project Green and Cavaleiro Farms. Approximately 14,893 visitors attended the event. Bullfrog Power sponsored the event by providing alternative energy for the Caribou Café and Tundra Trek facilities for the weekend, savings equivalent to carbon sequestered by 3.6 tree saplings grown for 10 years. This year’s theme of ‘Greening Your Backyard for Wildlife’ highlighted the many things we can do to support conservation and biodiversity through actions in our own backyards, gardens and communities. A series of 4 workshops added to the EDC agenda hosted by local experts; Toronto and Region Conservation Authority – Rain Garden workshop, Toronto Bee Rescue and Ontario Beekeepers Association – Honey Bees, EcoSpark Nature Academy – Native Pollinators and Bee Hotels, and Ken Brown – Container Gardening were very successful as an interactive learning experience for guests as well as a revenue generation opportunity for the Zoo. The annual rain barrel sale once again brought awareness to water resources and raised funds for the Zoo’s Green Conservation program. Proceeds raised during the Earth Day Celebrations Event and rain barrel sale have been designated for the construction of a large rain harvesting system for the Zoo’s Horticulture branch.

International Migratory Bird Day was held in the Rouge National Urban Park and Zoo site. The theme for 2016 was “Spread your Wings for Bird Conservation”.

As an Arctic Ambassador Centre, the Toronto Zoo actively engages target audiences in better understanding the impact of climate change on polar bears and their arctic habitat and the reliance of humans on a carbon-based economy. Through our education programs we encourage students to become engaged in activities within their local community that result in stewardship or conservation actions that mitigate greenhouse gases. We work closely with Polar Bear International (PBI) and partner organizations to; support content development, share messaging tools, coordinate public information activities, engage the public in social media platforms to raise funds, and, create metric

tools to measure program successes. Through these activities and collaborations the Zoo informs, inspires, and empowers others to take immediate steps to reduce CO₂ for the conservation of polar bear habitat and other species impacted by a warming world.

“Polar Bear Fest” and “Move Your Paws for the Polar Bear Cause” wrapped up the “Bundle Up for Polar Bears” initiative designed to encourage people to turn down their thermostat. Over 1,300 people visited the Zoo over the course of the two-day event. Visitors enjoyed learning about polar bears through a variety of exciting polar bear-themed activities and made a ‘polar pledge’ to take action to reduce their impact on the environment. Many families spent over an hour taking part in all the activities. Two special presentations (Wildlife Care staff – Cub development and training; Luana Sciuillo, PhD candidate – Measuring body condition in free-ranging polar bears in Hudson Bay subpopulation) were attended by 75 people. Over 1386 people, including students at four elementary schools and Toronto Zoo staff and Volunteers, participated in this year’s Bundle Up For Polar Bears Thermostat Challenge and turned down their thermostat by at least 2°C over the course of the week. An invitation to join the challenge was emailed to Toronto Zoo staff, Volunteers, and Members, as well the Zoo’s educator and non-member marketing lists. The combined efforts resulted in savings of approximately 1,390 kg (3058 lbs) of CO₂/year (equivalent of 39.7 tree seedlings grown for 10 years to remove that amount of CO₂ from the air or CO₂ emissions from 62.7 propane cylinders used for home barbeques).

Toronto Zoo launched the No Idle Campaign at Polar Bear Fest 2016. This campaign includes car magnets, website resources and connections within Education’s Climate Change curriculum to and highlight the impact of greenhouse gas emissions from transportation vehicles and to reinvigorate people to turn off their engines instead of idling. All Toronto Zoo vehicles have a sticker on the dashboard to remind all Zoo staff to turn off the engine when stopped.



Recent expansions to the Toronto Zoo’s PhoneApes Cellphone Recycling program continue to promote awareness about Great Ape conservation. The Zoo hosted an e-waste collection in September 2016 collecting over 1,287 tonnes of general e-waste for recycling. The Zoo is currently looking for a sponsor for the expansion of the PhoneApes program to other Zoos in Canada, making it a national program. To date, the Toronto Zoo has recycled over 33,000 cellphones and donated more than \$29,000 to Great Ape conservation efforts in Africa.



Toronto Zoo CEW staff continues to support the engagement of youth in environmental sciences through the Ontario Envirothon, acting as educator, judge and key note presenter for the provincial and national Envirothon Competition in April 2016. The Ontario Envirothon program is a partnership of local conservation organizations

providing students with interactive field trips and workshops to help them understand forests, soils, wildlife, aquatic ecosystems and the human impact on all of the things we value in nature.

Toronto Zoo GEZT continued to extend its reach by participating in additional events such as the Symcor EcoFair, Humber College Sustainability Fair, Toronto Eco-Wheel's Fair, Canadian Tire Kick Start Program, University of Toronto's Environmental Sustainability Conference, Dunbarton EcoSchool Sustainability Fair, Bayview Collegiate EcoSchool Sustainability Fair, York Region Youth Environmental Summit, Ontario Land Trust AGM, Triovest Tenant's Appreciation Day and Collier's Tenant's Appreciation Day.

In January 2016, the Toronto Zoo launched the Zoo's Sustainable Events Planner Guide. The Planner, available on the Zoo's website, acts as an educational tool that promotes the Zoo's sustainability actions as well as educating the event planner on more sustainable choices. Although developed to assist external event planners (corporate and individuals) during the planning process, it is also used to assist Zoo staff in the planning process of on and off-site events (such as awareness days, Earth Day Celebrations, Boo at the Zoo, Zoo Camp, Adopt-a-Pond events) to promote their event as a sustainable event on behalf of the Toronto Zoo.

The revitalization project for the Rainforest Café not only saw aesthetic and guest service improvements to this area, it also included the installation of permeable pavers in the new outdoor patio and a Nature Play area for kids. The permeable pavers not only provide the aesthetic value to this new eating area, but controls puddling of water and potential flooding into the restaurant and side patios. As the Zoo is a place for learning; we want to engage children to learn as much as possible about the world they live in. Nature Play is something that allows children to play and learn about the environment all in one. This approach allows children to engage in non-structured play outside. The goal of nature play is to get kids to engage more with outdoor play and to reduce the fear of the outdoors. The play area at the Rainforest Café is divided into two key zones: an active zone and a quiet zone. The active zone allows kids to engage in play that lets them roam freely in the area very similar to that of play at a playground. The quiet zone is more secluded and allows for a different sort of play and even an adult to child engagement opportunity. This area engages children in art and musical instruments with items made from natural products. A key feature of this Nature Play area was the use of a large tree that had fallen on site during the 2013 Winter Ice Storm.

Renaturalization/Biodiversity Improvement Projects

The Toronto Zoo continues to commit to renaturalization of the Zoo site. Through Corporate Volunteerism and the commitment of Zoo staff to protect natural ecosystems, the Zoo hosted one tree planting and two large meadow plantings in partnership with Acres for the Atmosphere in 2016. An



acre of Zoo land for planting was sponsored by TELUS, and over 175 TELUS staff and family members participated in the planting of approximately 180 trees. Symcor Inc. a strong supporter of Acres for the Atmosphere with over 150 staff and family completed two additional meadow plantings on the Zoo site. A total of 300 other corporate volunteers from Price Waterhouse Cooper and SAP participated in 4 browse collection events to help support the Zoo's browse feeding program.



Once again, Toronto Zoo staff hosted two Great Canadian Shoreline Cleanups at the Rouge Beaches. Toronto Zoo staff, community residences and corporate volunteers participated in these two events collecting a total of 20 bags of garbage, 14 bags of recyclables and a few larger items including furniture.

Toronto Zoo continues to be a key member of the Ontario BioBlitz Steering Committee. Ontario BioBlitz – Credit Valley Watershed 2016 was hosted by the Riverwood Conservancy in Mississauga with over 600 registered experts and community participants. At least 1,242 species of plants and animals were documented, and the number continues to grow daily as experts continue to identify samples obtained during the blitz. Toronto Zoo, along with several key steering committee members such as the ROM, Ontario Nature, and University of Guelph's Biodiversity Institute of Ontario (BIO) provided expert staff to conduct and lead taxon groups throughout the event. Dr. K. Kerr, M. Franke and Dr. W.A. Rapley assisted with the coordination of taxon groups while an additional 22 Zoo staff participated in the intensive blitz. The Ontario BioBlitz platform has also created an impressive social media engagement program with more than 49,000 views and retweets. Further details about past and future Ontario BioBlitzes can be viewed at www.ontariobioblitz.ca. In celebration of Canada's sesquicentennial in 2017, the Ontario Flagship BioBlitz will return to the Toronto Zoo and the Rouge National Urban Park hosting the premiere Canada 150 Signature Event BioBlitz under the BioBlitz Canada platform. The national Canada BioBlitz program can be viewed at www.bioblitzcanada.ca.



Horticulture and Nutrition are working together to provide increased opportunities to grow local plants that can be used as browse. 2016 saw the addition of new garden plots at each Pavilion to grow herbs and plantings that are used for enrichment training for the animals. And over 100 willow tree were planted by Nutrition staff for the future.

Partnerships/Collaboration

To achieve the goals of the 2007 Green Plan, Toronto Zoo has reached out to create partnerships and collaborations with like-minded organizations. These partnerships and

collaborations have been instrumental in achieving project goals, developing a resource base of knowledge and materials, and developing a network from which to learn and share.

The Toronto Zoo continues to support the PBI “Call to Action” Campaign to showcase Toronto Zoo as an Arctic Ambassador Centre. It outlines some of Toronto Zoo's key goals and ongoing initiatives, such as providing displays that showcase “green energy” for visitors such as Ice-Bear, Geothermal Energy, and Green Roofs; as well as workshops on climate change for grades/youth groups and interpretation at the polar bear exhibit for visitors and educating the public through messaging in Keeper Talks. The Toronto Zoo's green initiative programs are profiled on the Arctic Ambassador Website <http://polarbearsinternational.org/get-involved/arctic-ambassador-centers>.

Kyla Greenham represents the Toronto Zoo as a member of the Ontario Biodiversity Council (OBC) and Biodiversity Education & Awareness Network. In 2016, OBC representatives attended the COP10 – Convention on Biological Diversity, making presentations on Ontario's extensive work and policies to protect and increase awareness on the important of biodiversity and its ability to achieve resiliency against climate change. Also in 2016, BEAN reassessed the current standards of education about biodiversity and redirected new protocols and curriculum to better achieve Ontario's Biodiversity Strategy. On March 22, 2016, Ontario Biodiversity Council and BEAN launched the Ontario Children's Outdoor Charter at the Zoo.

Toronto Zoo is a member of Partners in Project Green (PPG). Toronto Zoo staff have participated in 2 training workshops hosted by PPG – Zero Waste Strategy and Lighting Retrofitting. Kyla Greenham sits as a member of the PPG's Waste Management Committee.

Leadership

Toronto Zoo maintains its active member status with AZA's Green Scientific Advisory Group, providing mentorship to members of the sustainability staff at other Canadian Zoos and Aquariums. In 2016, Kyla Greenham provided assistance for the onboarding of two new sustainability staff persons at Calgary Zoo and Vancouver Aquarium.

The Toronto Zoo continues to maintain its Level Two ECO-business certification and Gold Level EcoCentres certification.

Toronto Zoo hosted the 3rd Annual Meeting of the Canadian Herpetological Society (CHS) in September 2016. Climate change is a threat to many reptile and amphibian species in Canada and around the globe. The Toronto Zoo is committed to lowering its carbon footprint by producing renewable energy onsite and reducing energy usage. The 2016 CHS conference was estimated to have a carbon footprint of 20 metric tonnes, primarily from travel. Conference proceeds were used to offset this carbon, making this event climate friendly.

Employee Engagement

The Toronto Zoo once again participated in Partners in Project Green's People Power Challenge (PPC) from April to September. PPC is an employee engagement challenge to improve active participation of staff in corporate sustainability activities/practices as well as personal sustainability practices, increases employee awareness of corporate sustainability policies and practices and identifies areas that need attention or improvement. Working on a solid platform of sustainability and conservation action, the Toronto Zoo won the large corporate category, receiving \$6,500 towards green initiatives. The PPC consisted of pledges and suggestions made by staff and volunteers, interactions with the program's mobile app, initiation and completion of green/sustainable initiatives and participation of staff and volunteers in action of sustainability (habitat restoration, energy efficiency, resource use reductions etc.) and Zoo participation in the program is as follows:



- 53 people downloaded the Nudge Rewards App
- 13,285 interactions with the app
- 644 suggestions were submitted to GEZT
- GEZT implemented 81 of those suggestions by the end of the challenge
- 3,314 pledges were made by staff/volunteers
- 28 Sustainability Educational Resources were generated and distributed
- 86 sustainability projects completed by September 15, 2016 costing over \$1.037M
- 243 tweets were issued including 10 senior leader tweets
- 17 joint sustainability initiatives completed with Challenge competitors
- 6 Lunch & Learns organized

GEZT organized a VHS collection drive to divert waste from landfill and collected over 300 VHS cassettes and 200 CD/DVDs to be dismantled and recycled.

Through the People Power Challenge, increased awareness of paper consumption at the Toronto Zoo has resulted in the reduction of paper for several operational processes. Facilities & Services, Human Resources, and Computer Services have each developed computer-based processes and eliminated the use of paper processes. Computer Services began this initiative by developing and maintaining a more interactive intranet webpage. Several departments have developed online request forms replacing paper request forms, such as Animal Outreach Requests and the Dig Permit Requests. Human Resources has eliminated the paper version of Time Off Request and Approval forms and Staff Time Approval with increased functionality of the ADP Payroll system.

Twenty-nine timers were purchased and installed on misters for outdoor wildlife habitats. Using timers on the misting hoses, Keepers are capable of setting a set length of time the misters run for. The use of timers controls the amount of water used and frees the keepers to complete their duties without having to return to shut off the tap.

The timers are adjustable so keepers can adjust the length of time the misters run according to weather conditions as well. The timers are expected to result in a water savings of approximately 80L per timer per day or 2,320L of water per day in the summer months.

An interactive activity centre was developed and piloted at the Orangutan habitat by Education and the Palm Oil Working Group. The activity centre profiles the impact of unsustainable palm oil on wildlife and the value of orangutan behaviour and biology. The activity centre consisted of a “supermarket” display of products that contain both sustainably and unsustainably manufactured palm oil; a nest building site where children can create nests like the orangutans using available items; and a food hide and seek game where guests needed to search for appropriate food items for the orangutans in camouflaged mock forests. Guests were able to engage in communications with Canadian corporations that do and do not purchase sustainable palm oil, learn about orangutan behaviour and, identify the impact of monoculture plantations for the protection of species. The pilot program was a success and the activities will be further developed with funding availability.

The Toronto Zoo Materials and Collection branch continues to deliver waste bamboo to a permaculture facility in Holland Landing. It is estimated that based on the average consumption compared to the average bamboo being discarded over the past year, the Toronto Zoo has diverted approximately 9,420 kg of bamboo from landfill. 100% of the waste bamboo has been diverted from landfill through shipments to the farmer and onsite use by wildlife care, education and horticulture as recycled items for enrichment, educational crafts and alternative uses such as fence posts and tree plantings support posts. Waste diversion for the Toronto Zoo continues to improve as well, again exceeding a 70% waste diversion rate.



Custodial initiated a project to divert all baby diapers and feminine hygiene products from landfill to the Covanta Courtice EFW facility. These products when incinerated at the facility are used to produce electricity distributed to the Hydro One power grid.

The Toronto Zoo continues to participate in the TerraCycle recycling program. TerraCycle is an international company with the innovation to divert currently non-recyclable (through local municipal recycling programs) products from landfill by innovative post-consumer waste product manufacturing. TerraCycle will upscale products by directly using the materials submitted into new items for sale such as purses/bags and pencil/pen holders, or recycle other products to create 100% post-consumer waste garbage receptacles, park benches, fence and cutting boards. Four TerraCycle recycling programs are being used for the Toronto Zoo’s TerraCycle program: cookie and snack wrappers, inkjet cartridges, coffee bags and cereal plastic packages. As a charity, the Zoo will be paid for each item collected. All funds generated will be diverted to green initiatives at the Zoo. To date, the Zoo has recycled more than 29,294 items at a weight of 5,858.8 kg of waste diverted from landfill.

The Toronto Zoo Materials Collections branch working with the City of Toronto Waste Management Division in 2008 set a target of diverting 70% of all Zoo waste from landfill. Setting up an intensive recycling and composting program for the Zoo, as well as increasing public and employee awareness of



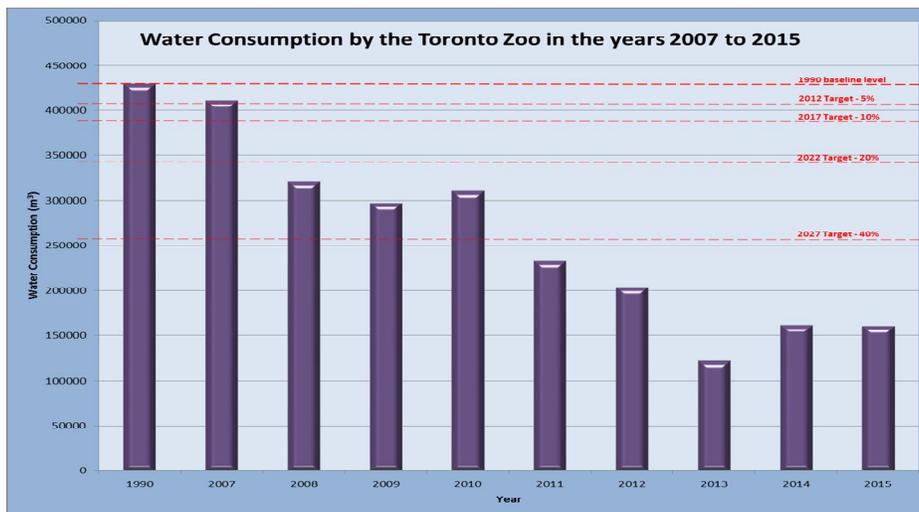
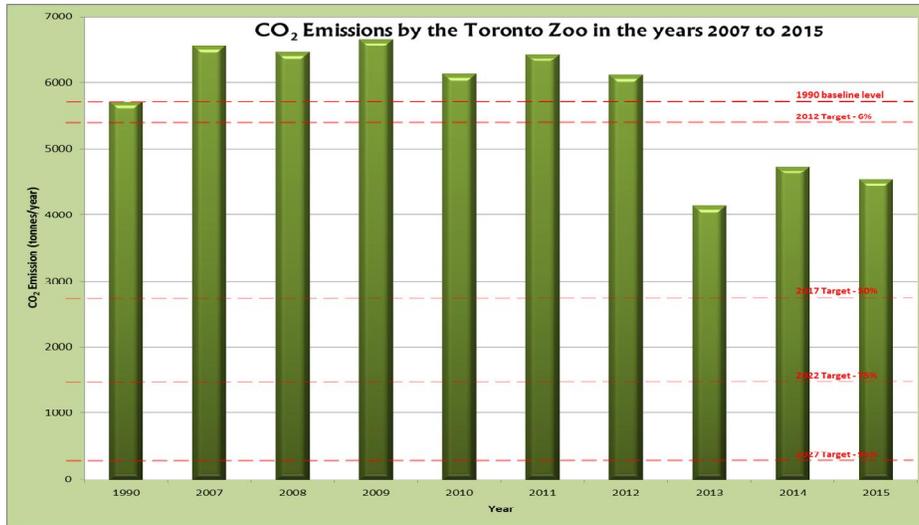
these programs has resulted in the Zoo achieving this target in 2010. The Materials Collections branch continues to source new opportunities to repurpose, upcycle or divert waste from landfill. Since 2010, the Toronto Zoo has successfully exceeded this target, achieving our highest waste diversion rate of 74% in 2016.

The Toronto Zoo continued to support the “Good Food Box” program offered by FoodShare. This program, open to all Zoo staff and volunteers, provides easy access to locally grown produce on a regular basis. The benefits of this program are significant. This provides easy access to locally grown food, delivered directly to the Zoo site reducing our overall carbon footprint, supporting local growers and the local economy. Organic produce is also available through the program thus further reducing our impact on the environment. In transportation costs alone, we save the equivalent of 1.5 million litres of gasoline or the amount of CO₂ sequestered by 90,667 tree seedlings grown for 10 years all in one single year.



An implemented environmental management system (EMS) would provide an integrated approach for ongoing risk management, measurement and operational control to ensure the Toronto Zoo can reach the 2007 Green Plan Targets. The Zoo’s EMS development process has identified the Zoo’s operational processes that have an impact on the environment and prioritized those impacts to mitigate high risk impacts and ensure the Zoo is meeting all legal and regulatory obligations. Updating and installing new utilities sub meters and building management systems increases the depth of monitoring of operations in order to optimize energy and utilities consumption.

Although final reporting for 2016 is not complete, the trend for the Toronto Zoo is a decrease in both greenhouse gas emissions and water consumption.



The above noted activities are highlights from the 2016 operating year from the Toronto Zoo. We continue to complete our mission and vision to reduce the carbon footprint of Zoo operations, increase awareness of climate change and sustainability practices and report to the public our actions in achieving the targets of the 2007 Green Plan. Operating procedures, sustainability practices and green initiatives implemented in previous years continue to operate and the Zoo is showing progress towards meeting or exceeding the 2027 targets for greenhouse gas emissions, waste diversion, and water consumption.

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