



## Canadian Tire Updates Business Sustainability Results for the Third Quarter 2013

**Toronto, November 7, 2013** – Canadian Tire Corporation’s approach to business sustainability focuses on business operations, innovation, profitability and growth, while directly benefiting both customers and the environment. Through the implementation of processes and projects, such as the ongoing credit card e-statement and rooftop solar installation initiatives, Canadian Tire is forecasted to avoid 36 tonnes of waste annually and 284 tonnes of greenhouse gas (GHG) emissions. The ongoing integration of sustainable practices into business operations has also resulted in approximately \$3.7 million in forecasted annual cost avoidance and an 11 per cent improvement<sup>1</sup> in energy use in projects reported to date.

Canadian Tire seeks to create efficiencies for both customers and the organization, and saw great improvements in its credit card e-statement conversion initiative managed by Canadian Tire Financial Services. Year-to-date, over 75,000 customers converted to e-statements, resulting in a forecasted net annual cost avoidance of approximately \$500,000 through the elimination of processing, paper and postage costs.

In the third quarter, the Real Estate team oversaw the completion of 19 rooftop solar energy installations on Canadian Tire stores in Ontario. The solar energy systems supply renewable energy directly into the Ontario electrical grid, and once complete this initiative will see up to 36 solar installations on store rooftops throughout the province.

Canadian Tire’s work in business sustainability has garnered increased recognition from the investment community and received a string of prestigious awards during the quarter:

- In recognition of Canadian Tire’s ongoing improvements to business and retail operations, the Company was ranked as one of the Top 25 Global Retailers and Top 5 Canadian retailers (carbon productivity) by Corporate Knights.
- For the second year, Canadian Tire was added to the prestigious Dow Jones Sustainability North America Index for 2013, which benchmarks companies on performance related to economic, social and environmental metrics.
- The 2013 Carbon Disclosure Project (CDP) Canada 200 Climate Change Report, which acknowledges the top Canadian companies actively working on climate change. Canadian Tire attained a disclosure score of 79 points within the “Consumer Discretionary” category, which was an increase of three points over last year’s score.
- Canadian Tire remains a component of the STOXX® Global ESG Leaders indices for the third consecutive year. The index represents the leading global companies in terms of environmental, social and governance criteria, based on ESG (environmental, social and governance) indicators provided by Sustainalytics, which has provided research for the Socially Responsible Investment and Responsible Investment markets for more than 20 years.

---

<sup>1</sup> Improvements refer to the savings in comparison to the baseline scenario, where baseline scenario is defined as “what would have most likely occurred in the absence of the sustainability project.” Improvements are related to the specific projects reported and do not represent total improvements to the value-chain segment.

Initiatives completed this year are forecasted to annually provide the following benefits:

Value-chain segment		Economic benefits (\$)	Environmental benefits	
			Energy use (per cent improvement <sup>1</sup> )	Waste avoided (tonnes)
<b>Product</b>	Reduced energy use from transportation of optimized product and packaging as well as waste reductions (reduced packaging, damages and product waste)	\$865,000	17%	1,317
<b>Product transport</b>	Reduced energy use from increased fuel efficiency in transportation modes and vehicles (e.g. use of long-combination vehicles)	91,000	40%	n/a
<b>Business &amp; retail Operations</b>	Reduced energy use in buildings and their operations through energy efficiency initiatives (e.g. new construction, retrofits and signage optimization)	2,739,000	11%	36
<b>Total</b>		<b>\$3,695,000</b>	<b>11%</b>	<b>1,353</b>

<sup>1</sup> Improvements refer to the savings in comparison to the baseline scenario, where baseline scenario is defined as “what would have most likely occurred in the absence of the sustainability project.” Improvements are related to the specific projects reported and do not represent total improvements to the value-chain segment.

For additional detail, please refer to the Company’s Business Sustainability Performance Reports at: <http://corp.canadiantire.ca/EN/MAD/BusinessSustainability/Pages/OurProgressReports.aspx>

## ABOUT CANADIAN TIRE

Canadian Tire Corporation, Limited (TSX:CTC.a) (TSX:CTC) is a Family of Companies that includes Canadian Tire Retail, Partsource, Gas+, FGL Sports (Sport Chek, Hockey Experts, Sports Experts, National Sports, Intersport, Pro Hockey Life and Atmosphere), Mark's and Canadian Tire Financial Services. With nearly 1,700 retail and gasoline outlets from coast-to-coast, our primary retail business categories – Automotive, Living, Fixing, Playing and Apparel – are supported and strengthened by our Financial Services division. Over 85,000 people are employed across the Canadian Tire enterprise, which was founded in 1922 and remains one of Canada's most recognized and trusted brands. For more information, visit [Corp.CanadianTire.ca](http://Corp.CanadianTire.ca).

## FOR MORE INFORMATION

Teresa Cugliari, 416-322-2975, [teresa.cugliari@cantire.com](mailto:teresa.cugliari@cantire.com)

**CANADIAN TIRE CORPORATION – BUSINESS SUSTAINABILITY PERFORMANCE REPORT**  
**As at Q3 2013**

*Please note, the initiatives and metrics below are defined in the Glossary of terms in page 5 and onward.*

1. FORECASTED FUTURE ANNUAL BENEFITS FROM SUSTAINABILITY PROJECTS<sup>(1)</sup>

		Economic Benefit to CTC Enterprise	Environmental Benefit in CTC's Value-Chain		
		Cost (\$)	Energy Use (GJ)	GHG Emissions <sup>(3)</sup>	Waste (tonnes)
		Avoidance <sup>(2)</sup>	Avoidance <sup>(2)</sup>	Avoidance <sup>(2)</sup>	Avoidance <sup>(2)</sup>
		YTD	YTD	YTD	YTD
PRODUCTS AND PACKAGING	CTR - Product & Packaging Right-Sizing	\$756,087	9,286	665	1,292
	CTR - Damage Reduction (Handling & Packaging)	\$109,620	3	0	24
	<b>Sub-Total</b>	\$865,707	9,289	666	1,317
PRODUCT TRANSPORT	Long Combination Vehicles (LCV)	\$90,652	1,219	85	n/a
	<b>Sub-Total</b>	\$90,652	1,219	85	0
BUSINESS AND RETAIL OPERATIONS	CTR - Net New Builds	\$10,141	506	21	n/a
	CTR - Replacement Builds	\$10,308	515	21	n/a
	CTR - Demand Control Ventilation (DCV) Retrofits	\$1,261,210	106,454	5,211	n/a
	CTR - Store HVAC Upgrades	\$16,958	760	36	n/a
	CTR - Roofing Retrofits	\$7,786	840	43	n/a
	CTR - In-Store Decor Right-Sizing	\$218,268	139	10	3
	CTR - Seasonal Decor Right-Sizing	\$310,043	91	6	14
	CTP - Cooler Retrofits (eCube)	\$96,048	3,294	177	n/a
	CTP - Lighting Retrofits	\$64,436	2,028	207	n/a
	CTR - DC Lighting Retrofits	\$116,954	3,512	103	n/a
	Mark's - Lighting Retrofits	\$122,404	3,993	93	0
	CTFS - e-statement Conversions	\$495,359	1,292	45	17
	Mark's - DC Paper Reduction (Picksheets)	\$9,212	245	10	2
	<b>Sub-Total</b>	\$2,739,129	123,669	5,983	36
<b>Total</b>	<b>\$3,695,487</b>	<b>134,177</b>	<b>6,734</b>	<b>1,353</b>	

↑	↑	↑	↑
Equivalent to adding sales from this many new stores	Equivalent to powering this many Canadian homes for a year	Equivalent annual household waste generated from this many Canadian homes	
1.2	1,266	2,115	

## 2. CORPORATE ACTUALS – LOW CARBON ENERGY GENERATION

			Economic Results to CTC Enterprise		Environmental Results to CTC's value-chain/local economy	
	Installations completed Total-To-Date	Installations completed YTD	Revenue Generation YTD (\$)	Cost Avoidance YTD (\$)	Energy Generation YTD (GJ) <sup>(4)</sup>	GHG emissions <sup>(3)</sup> Avoidance <sup>(5)</sup> YTD (tCO <sub>2</sub> e)
Solar PV - On Grid	27	19	\$1,426,629	n/a	7,981	233
Solar PV - Off Grid	1	0	n/a	\$657	20	1
Geothermal	1	0	n/a	\$5,857	176	5
<b>Total Installations</b>	<b>29</b>	<b>19</b>	<b>\$1,426,629</b>	<b>\$6,514</b>	<b>8,177</b>	<b>239</b>

(1) Sustainability Projects vary in complexity and size from changes made to an individual retail product, a retrofit made to a fleet vehicle or the construction of a new store. Project completion for these initiatives is defined by a) the commercial operation date for buildings and product transport projects, b) the approval date for operations and product projects. Projects are reported in the quarter they are completed, unless data is not available, in which case the completed project is reported in a future quarter provided it is in the same year of the project's completion date or the first quarter of the following year. In accordance with the Company's corporate directive on sustainability, revisions to current and prior year estimates are periodically made given that sustainability initiatives are part of an inherently dynamic process; performance reporting is adjusted accordingly.

(2) Avoidance refers to savings in comparison to what it would have been if Canadian Tire had not made the improvements. Values express a 12-month forecast occurring after project completion. Additional cumulative results beyond this 12 month forecast are not reported. Values reported include a) costs avoided by Canadian Tire and b) energy use, GHG emissions, and waste avoided by Canadian Tire and in some cases its value chain partners such as customers, vendors and suppliers.

(3) Measured as carbon dioxide equivalents (CO<sub>2</sub>eq). Greenhouse gasses such as methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) are converted to their carbon dioxide equivalent based on their relative global warming potential.

(4) Low carbon energy generation is measured in Gigajoules (GJ). Where energy sources that do not typically report in Kilowatt Hours (kWh), such as the energy transfer conversion from ground source heat pumps (geothermal), they can be converted to give an Equivalent Kilowatt Hour (eKWh) value and then GJ.

(5) In this case the GHG emissions avoidance may be within the Corporation's value-chain (when energy generation is used for the store consumption - "Off-Grid" or within the local economy (when energy generation is connected to the local grid - "On-Grid").

# GLOSSARY OF TERMS

## SUSTAINABILITY TERMS

Business Sustainability	An innovation strategy that provides economic benefits from enhanced social and environmental outcomes by integrating sustainability into business operations. The scope of the strategy is Canadian Tire's value-chain – reaching upstream to our suppliers and downstream to our customers. This rings true with Canadian Tire's mandate as a for-profit corporation, our role in society, and the trust that Canadians have in our brand to do the "right thing".
Carbon Disclosure Project (CDP)	International initiative to accelerate solutions and enhance decision making related to climate change and water management. Increases visibility to investors related to corporate and policy initiatives. The aim is to set reduction targets and make performance improvements. Over 3,000 organizations in some 60 countries around the world now measure and disclose their greenhouse gas emissions, water management and climate change strategies through CDP. Canadian Tire participates in CDP.
CO <sub>2</sub> eq	Carbon dioxide equivalent - Expresses all greenhouse gasses in the measurement of carbon dioxide by adjusting other types of greenhouse gases - methane, nitrous oxide, sulphur, hexafluoride, hydrofluorocarbons, and perfluorocarbons - to their carbon dioxide equivalent based on their relative Global Warming Potential (GWP).
Emission Factors	Calculation factor used from a specific geographical region to measure greenhouse gases (GHG) released from the production/use of raw material/energy.
Geothermal Energy	Energy transfer conversion resulting from ground source heat pumps.
Greenhouse Gas Emissions (GHG)	Represents one or a combination of the following gases: carbon dioxide (CO <sub>2</sub> ), methane (CH <sub>4</sub> ), nitrous oxide (N <sub>2</sub> O), sulphur hexafluoride (SF <sub>6</sub> ), hydrofluorocarbons (HFCs), and perfluorocarbons (PFCs).
GHG Protocol	The GHG Protocol Initiative is a multi-stakeholder collaboration facilitated by the World Business Council on Sustainable Development (WBCSD) and the World Resources Institute (WRI) to establish and promote business standards for GHG accounting and reporting. Canadian Tire Sustainability Reporting follows the GHG Protocol Corporate, Project and Value-Chain (Scope 3) Accounting Standards.
Global Warming Potential (GWP)	Calculation factor used to measure CO <sub>2</sub> equivalents from different greenhouse gases. A relative measure of how much heat a greenhouse gas traps in the atmosphere.
Intergovernmental Panel on Climate Change (IPCC)	The leading international body for the assessment of climate change established to provide the world with a clear scientific view on the current state of knowledge in climate change and its potential environmental and socio-economic impacts.
Packaging Sustainability Network (PSN)	The Packaging Sustainability Network (PSN) was formed in 2009 to bring together a group of cross functional business members who collaborate internally and externally on packaging sustainability at Canadian Tire. Led by a VP sponsor, the PSN executes packaging sustainability focused initiatives to deliver measurable benefits such as forecasted cost avoidance, damage reduction and emissions reductions.
Solar Photovoltaic Energy	The generation of electricity using sunlight by converting solar radiation into direct current electricity.
Sustainability Networks	Cross-SBU/functional innovation networks of stakeholders from across the value chain which goal is to incorporate accountability for sustainability into the existing roles within the business.
Stock Keeping Unit (SKU)	A SKU is a unique numerical identifying number that refers to a specific stock item in a specific facility in inventory. The SKU is used to identify the product and the particular facility the product resides in.
Transport GHG model	Created by Canadian Tire's Transportation team, the Transport GHG Emissions Model calculates tonnes of CO <sub>2</sub> eq produced based on direct emissions from our own fleet of trucks and indirect mobile emissions produced from transport of goods by third party carriers for all modes of transport (including water, rail, road and air). The methodology for the model follows a distance and weight approach for third party carriers and an actual fuel use approach for the internal fleet, and reflects guidelines created by the World Resources Institute (WRI), known as the Greenhouse Gas Protocol, and Environment Canada.
USA Environmental Protection Agency	An agency of the U.S. federal government in charge of protecting human health and the environment, by writing and enforcing regulations based on laws passed by Congress.
WBCSD	World Business Council for Sustainable Development - A CEO-led, global association of some 200 companies dealing exclusively with business and sustainable development, providing companies a platform to explore sustainable development, share knowledge, experiences and best practices.
WRI	World Resource Institute - A global environmental think tank that works with governments, companies, and civil society to build solutions to urgent environmental challenges.

OTHER TERMS	
CTC	Canadian Tire Corporation, Limited - The Parent Company
CTFS	Canadian Tire Financial Services Limited - A wholly owned subsidiary of CTC
CTP	Canadian Tire Petroleum - A strategic business unit within CTC
CTR	Canadian Tire Retail - A strategic business unit within CTC
CTREL	Canadian Tire Real Estate Limited - A wholly owned subsidiary of CTC
FGL Sports Ltd.	A wholly owned subsidiary of CTC (one of Canada's leading retailers of sporting goods)
Mark's	A wholly owned subsidiary of CTC (one of Canada's leading apparel retailers)
PS	PartSource - A strategic business unit within CTC (specialty automotive stores)
eKWh	Equivalent kilowatt hours - Expresses all energy sources as kilowatt hours of electricity consumed per hour by converted other types of energy such as natural gas, propane or geothermal energy.
GJ	Giga-joules - a unit of measurement for energy use.
Building functional area	The CTC building structural area includes ground coverage, mezzanine areas, other floors, and second level racking system for owned and leased retail stores, offices and distribution centres. Garden Centres are excluded. For Canadian Tire's petroleum stations this includes convenience kiosks, gas bar canopies, car washes, and Pit-Stops.
YTD	Year to Date - The period beginning January 1st of the current year up until today's date.

PERFORMANCE MEASUREMENT TERMS			
1. STANDARD TERMS			
METRICS	DEFINITIONS	DATA SOURCE	GAPS
Forecasted Future Annual Benefits from Sustainability Projects	Values express a 12-month forecast occurring after project completion. Additional cumulative results beyond this 12 month forecast are not reported. Benefits forecasted include environmental results for Canadian Tire and in some cases its value-chain partners such as customers and vendors. Environmental results may include GHG emissions, energy use and/or waste avoidance). Benefits forecasted also include economic results for Canadian Tire (such as cost avoidance, revenue or sales generation).	May include all Business Groups involved in the reporting of Sustainability initiatives, CTC Finance team, Business Sustainability and Third party consultants.	
Costs avoided from sustainability projects	Forecasted future annual benefit as costs saved for the Corporation in comparison to 'what it would have been in the absence of the sustainability project' i.e. in comparison to the baseline 'before change' of the project. Values are reported in CAD.	May include all Business Groups involved in the reporting of Sustainability initiatives, CTC Finance team, Business Sustainability and Third party consultants.	
Energy use avoided from sustainability projects	Forecasted future annual benefit as energy saved by the Corporation's and/or in some cases its value-chain partners such as customers and vendors, in comparison to 'what it would have been in the absence of the sustainability project' i.e. in comparison to the baseline 'before change' of the project. Values are reported in gigajoules (GJ).	May include all Business Groups involved in the reporting of Sustainability initiatives, CTC Finance team, Business Sustainability and Third party consultants.	
GHG emissions avoided from sustainability projects	Forecasted future annual benefit as Greenhouse gas emissions saved, by the Corporation's and/or in some cases its value-chain partners such as customers and vendors, in comparison to 'what it would have been in the absence of the sustainability project' i.e. in comparison to the baseline 'before change' of the project. Values are reported in metric tonnes of CO <sub>2</sub> eq.	GHG emissions sources: Environment Canada's National Inventory Report 1990-2008, EPA Climate Leaders Direct Emissions from Stationary and Mobile Combustion Sources May 2008, and IPCC's global warming potentials.	

METRICS	DEFINITIONS	DATA SOURCE	GAPS
Waste avoided from sustainability projects	Forecasted future annual benefit as waste saved by the Corporation's and/or in some cases its value-chain partners such as customers and vendors, in comparison to 'what it would have been in the absence of the sustainability projects' i.e. in comparison to the baseline 'before change' of the project. This includes but is not limited to end-of-life waste from product, packaging and in-store decor. Values are reported in metric tonnes.	May include all Business Groups involved in the reporting of Sustainability initiatives, CTC Finance team, Business Sustainability and Third party consultants.	Sustainability projects within various operational areas currently not monitored by the Corporate Business Sustainability team. This includes projects within CTP, Part Source, CTFS, Marks and FGL Sports.
Revenue/Sales generation from sustainability projects	Sales or service revenue related to a sustainability project. Values are reported in CAD.	CTC Finance team	
Equivalent annual retail POS sales	Calculates POS retail sales required to generate the same pre-tax earnings in comparison to the forecasted annual avoided cost resulting from sustainability projects.	CTC Finance team	
Equivalent annual new CTR stores	Calculates the equivalent number of new CTR stores related to the equivalent POS retail sales required to generate the same pre-tax earnings in comparison to the forecasted annual avoided costs resulting from sustainability projects.	CTC Finance team	
Equivalent to powering this many homes per year	Calculates the equivalent number of average Canadian homes powered for a year related to the forecasted annual avoided energy use resulting from sustainability project. Energy used by the average Canadian home includes natural gas, electricity, heating oil, propane and wood use.	Natural Resources Canada, "Survey of Household Energy Use", 2007. Average Canadian annual household energy consumption is calculated as 105.9 GJ.	
Equivalent annual household waste	Calculates the equivalent number of average annual Canadian household waste related to the forecasted annual avoided waste resulting from sustainability projects.	Statistics Canada, Waste Management Industry Survey: Business and Government Sectors 2008 (Statistics Canada, 2010). Page 10. Average Canadian annual household waste is calculated as 640kg.	
Sustainability Projects completed this period	Upgrades and process improvements are reported in the quarterly report once they are completed. 'Complete' is defined by the Commercial Operation date for Buildings and Product Transport and the Approval Date for Operations and Product projects. As sustainability initiatives are part of an inherently dynamic process, there will be cases where completed projects cannot be reported as data is not yet available. A project can only be reported in the same year of its completion date or the first quarter of the following year.	Business Group involved in the reporting of Sustainability initiatives, CTC Finance team, Business Sustainability.	

## 2. CURRENT SUSTAINABILITY PROJECTS

PROJECTS	DEFINITIONS	BUSINESS GROUPS INVOLVED	GAPS
Product and Packaging Right-sizing	This sustainability project measures the reduction in size and/or weight of a product and/or a product's consumer packaging for each project. Cost avoidance is derived from reduced cube resulting in reduced freight cost. Energy and GHG emissions avoidance is derived from reduced weight and cube resulting in reduced energy use from transportation. (Assumptions made: Reductions in product volume are always translated into container loading efficiency). Waste avoidance is derived from the reduced weight of product end-of-life. Please note, depending on inventories and seasonality of products the implementation date varies from the completion date (the project's approval). The project unit reported is the SKU.	PSN	GHG and energy avoidance from reduction in raw material and product manufacture.
Product Damage Reduction	This sustainability project measures the impact of transportation packaging and supply chain handling improvements on a product's damage rate (damage discovered in transport from vendor to store, as well as concealed damage discovered in-store and through customer returns). Cost avoidance is derived from product landed cost for supply chain damage and cost for concealed damage. Energy use and GHG emissions avoidance are derived from avoiding the transport of replacement product and waste avoidance is derived from avoiding disposal of damaged products. Please note, depending on inventories and seasonality of products the implementation date varies from the completion date. The project unit reported is the SKU.	PSN Logistics Group, Transportation Group CTC Business Sustainability	For changes in shipping/handling product packaging, the increase or decrease in materials used is not taken into consideration.
Long Combination Vehicles (LCV)	This sustainability project measures the reduction in energy use between the use of 'before' standard trucks vs. the use of and the 'after' LCV trucks. LCVs are two 53 foot trailers attached to a specialised equipped truck with a total vehicle length of 127 feet. The energy and GHG emissions avoidance is derived from the reduction in fuel used by 1 LCV truck as compared to 2 standard trucks. The cost avoidance is derived from the reduced fuel consumption. Please note, the project unit reported is the distribution route except for Ontario routes where the project unit reported is the permit.	Transportation Group CTC Business Sustainability	No known gaps
Net New Builds	This sustainability project measures the reduction in energy use, GHG emissions and costs resulting from the construction of new buildings in place where there was no CT store before. The baseline comparison is the most recent prototype used prior to the current prototype. Proto C size energy consumption is assumed except for small market stores.	Design & Construction Group/3rd party consultant CTC Business Sustainability	No known gaps
Replacement Builds	This sustainability project measures the reduction in energy use, GHG emissions and costs resulting from the replacement of CT stores. The baseline comparison is the Prototype Store replaced. Proto C size energy consumption is assumed except for small market stores.	Design & Construction Group/3rd party consultant CTC Business Sustainability	No known gaps
HVAC Upgrades	This sustainability project measures the reduction in energy use, GHG emissions and costs resulting from the installation of new energy efficient heating, ventilating and air conditioning (HVAC) units in stores. Please note, the project unit reported is the store.	Real Estate Services Group/3rd party consultant/Supply Chain Group CTC Business Sustainability	No known gaps
Roofing Retrofits	This sustainability project measures the reduction in energy use, GHG emissions and costs resulting from the installation of higher R-value roofing on stores. Please note, the project unit reported is the store.	Real Estate Services Group CTC Business Sustainability	No known gaps
Demand Control Ventilation (DCV) Retrofits	This sustainability projects measures the reduction in energy use, GHG emissions and cost resulting from the installation of carbon dioxide sensors to allow the rooftop ventilation units to bring in additional fresh air based on carbon dioxide demand. Please note, the project unit reported is the store.	Real Estate Services Group CTC Business Sustainability	No known gaps

PROJECTS	DEFINITIONS	BUSINESS GROUPS INVOLVED	GAPS
In-Store Decor Right-Sizing	This sustainability project measures the reduction in size and/or weight of in store decor signage for each project. Cost avoidance is derived from reduced time of installation of the signage at store, reduced product quote cost and reduced freight cost. Energy and GHG emissions avoidance is derived from reduced weight and cube resulting in reduced energy use from transportation to stores. Waste avoidance is derived from the reduced weight of product end-of-life. Please note, the project unit reported is the SKU.	Store Design, Transportation Group. CTC Business Sustainability	GHG and energy avoidance from reduction in raw material and product manufacture.
Seasonal Decor Right-Sizing	This sustainability project measures the reduction in size and/or weight of seasonal decor signage. Cost avoidance is derived from reduced time of installation of the signage at store, reduced product quote cost and reduced freight cost. Energy and GHG emissions avoidance is derived from reduced weight and cube resulting in reduced energy use from transportation to stores. Waste avoidance is derived from the reduced weight of product end-of-life. Please note, the project unit reported is the promotional event.	Store Design, Transportation Group. CTC Business Sustainability	GHG and energy avoidance from reduction in raw material and product manufacture.
Cooler Retrofits (eCube®)	This sustainability project measures the reduction in energy used from the installation of eCube® thermostats at CTP coolers. eCube®'s technology simulates food and beverage thermal qualities and automatically relays this information to the existing thermostat or telemetry. Cooling cycles are then reduced which reduces electricity consumption. Energy and GHG avoidance are based on reduced electricity consumption. Cost avoidance is based on reduced electricity cost. Please note, the project unit reported is the CTP station.	Petroleum CTC Business Sustainability	No known gaps
Lighting Retrofit	This sustainability project measures the reduction in energy use, GHG emissions and costs resulting from the installation of energy efficient lighting (such as T8 or LED). This includes lighting retrofits for CTR and Marks stores, CTP canopy and stores and CTR DCs.	Marks Store Design, Petroleum and Business Development, and Supply Chain Major Projects CTC Business Sustainability	No known gaps
Mark's - DC Paper Reduction (Picksheets)	This sustainability project measures the reduction in waste and cost resulting from using less paper in the pick and pack process of products at a Mark's Distribution Centres. The new process uses 1 sheet of paper replacing a 3-page picksheet to process orders. The waste avoidance is based on the reduction in paper used and the cost avoidance is based on the paper cost and reduced picking time spent.	Supply Chain Group CTC Business Sustainability	No known gaps
Conversion to e-statement	This sustainability project measures the reduction in cost paper use, embedded energy and greenhouse gas emissions as a result of the conversion to e-statement from paper statements.	CTFS Marketing	No known gaps

### 3. CURRENT CORPORATE ACTUALS

METRICS	DEFINITIONS	DATA SOURCE	GAPS
Number of Sustainability Projects	Year-to-Date number of sustainability projects reported. Sustainability projects are sustainability upgrades and process improvements that create some environmental benefits and may create some economic benefit.	Business Group involved in the reporting of Sustainability initiatives, CTC Finance team, Business Sustainability.	Sustainability projects within various operational areas currently not monitored by the Corporate Business Sustainability team. This includes projects within CTP, Part Source, CTFS, Marks and FGL.
On-site low carbon energy generation	Low carbon energy generation from CTC on-site installations. May include solar PV, solar thermal, wind, geothermal, hydrogen or waste-derived energy generating installations. To be considered "low carbon", the GHG emissions associated with the energy generated have to be lower than traditional means of power generation.	CTREL	The energy generated by the 19 phase II sites connected in Q3 2013. This gap is to be closed in Q4 2013.
On-site low carbon energy generation installations completed this period	CTC on-site installations of low carbon energy generation starting operation this year. These installations may be off-grid, where power generated is used on-site, or on-grid, where power generated is connected to the municipal power distribution network.	CTREL	no known gaps
Cost avoided from low carbon energy generation	Year-to-date cost avoidance is reported when the energy generated is used on site. It corresponds to costs saved in comparison to 'what it would have been in the absence of the low carbon energy generation' i.e. the cost of traditional source of power for the corporation. Reported in CAD.	CTC Finance team	no known gaps
Revenue Generated from low carbon energy generation	Year-to-date revenue generation is reported when the energy generated is connected to the municipal grid. Revenue may include electricity sales and gross service revenues. Reported as CAD.	CTC Finance team	no known gaps
GHG Emissions avoided from low-carbon energy generation	Year-to-date greenhouse gas emissions avoided from CTC on-site installations of low carbon energy generation. This may include GHG emissions avoided by the Corporation (when the energy is used on-site) or GHG emissions avoided in the local economy (when the energy is sent to the grid). This is calculated as the carbon intensity of the energy generated and used had it been from utility grid sources. Reported as CO <sub>2</sub> eq.	CTREL and Third Party Consultant	no known gaps