

Details on TD's Ongoing Energy and GHG Reduction Initiatives

Initiative	Description	Estimated Annual Energy Reduction (kWh/yr.)	Estimated Annual GHG Reduction (tCO ₂ e/yr.)	Total Estimated Cost/ Investment (Cumulative)	Estimated Annual Cost/ Investment (2015)	Estimated Annual Cost Savings
LED Exterior Lighting Phase I	LED exterior lighting replacements with goals to reduce ongoing maintenance expenses and energy consumption costs, and to develop a cohesive lighting standard. In 2015, we implemented phase 1 of the project, installing LEDs at 322 U.S. locations. Phase 2 will be completed in 2016, with an additional 215 locations.	4,879,215	1,835	\$7,243,150	\$7,243,150	\$1,288,898
On-Site Solar Energy Production	Solar panel installations continued in 2015. In 2015, TD added 10 sites with 111 kW of additional solar capacity, reaching a total of 2.0 MW of solar capacity across 122 sites in North America.	2,327,249	775	\$15,005,112	\$1,368,843	\$359,244
Mt Laurel Energy Upgrades	Continued energy efficiency initiatives across Mt Laurel campus, with a focus on LED retrofits for 2015 in two buildings.	4,090,742	1,149	\$4,564,487	\$757,803	\$577,995
TD Bank Center Improvements Springfield, MA	Two energy projects completed at the TD Bank Center in Springfield, MA: LED parking lot lights, and switching from electric boiler heating to compact gas heating units.	510,000	247	\$164,363	\$164,363	\$63,979
U.S. Retail Store Improvements	Energy enhancements to 52 U.S. stores in 2015: programmable thermostats and occupancy sensors.	2,301,638	865	\$693,232	\$161,772	\$275,142
Flex Work Place	In 2015, we have continued to consolidate space and increase employee density per square foot as a means of reducing energy and costs. Several of our corporate offices have moved to flex work space in order to decrease unutilized space. By the end of 2015, we had 2,600 U.S. and 5,200 Canadian flex work employees.	12,684,355	1,368	N/A	N/A	\$1,198,794
Retro-Commissioning	In 2015, TD initiated a retro-commissioning pilot at select U.S. retail branches that were undergoing renovations. In 2016, a portfolio wide retro-commissioning program is being developed to target major energy consumers and improve the overall performance of both the corporate and retail portfolio.	70,500	27	\$8,386	\$9,333	\$8,386
Data Centre Efficiency	We improved our server virtualization program to further reduce space occupied and energy usage.	38,570,050	5,954	N/A	N/A	\$4,049,855
Printer Reduction	TD's Printer reduction program continues to be rolled out throughout the enterprise. In 2015, we removed 1215 printers. We are moving to multifunction devices and setting duplex printing capabilities as default, which will reduce energy use, and save on printing supplies like toner and paper.	713,972	111	\$4,394,500	\$2,532,000	\$99,956
Video-Conferencing	Telepresence implementation across our U.S. and Canada operations continues. It creates value to our business by reducing travel among our mobile employee population. We have seen substantial cost savings and CO ₂ e emissions savings and a more personal collaboration experience for our employees. In 2015, we increased our meeting room telepresence endpoints from 65 to 122.	4,116,000 km	1,605	\$2,599,326	\$1,084,326	\$3,727,080

