

Details on TD's Energy and GHG reduction initiatives

Initiative	Description	Estimated Annual Energy Reduction (kWh/yr.)	Estimated Annual GHG Reduction (tonnes CO ₂ e/yr.)	Total Estimated Cost/ Investment (Cumulative)	Estimated Annual Cost/ Investment (2014)	Estimated Cost Savings/yr
Mt. Laurel Campus Performance Contract, NJ	Heating, ventilation and cooling, lighting and vending improvements in three buildings.	3,702,470	1,691	\$3,473,334	-	\$462,579
Canadian Retail	LED exterior signage at our Canadian retail locations.	3,959,664	1,113	\$3,549,955	-	\$475,160
US Retail	Lighting upgrades, programmable thermostats, water heater set points across nine locations in three states.	281,728	129	\$21,485	-	\$54,222
Solar Panels	1.867 MW of installed solar capacity spanning over 112 sites across North America.	1,834	738	\$17,352,970	\$2,788,970	\$483,767
Data Centres	Our new LEED Platinum data centre boasts 243 KW of solar power generation to reduce our energy use.	5,000,000	550	\$1,070,119	-	\$41,148
Server Virtualization and Storage Optimization	We improved our server virtualization and storage optimization programs to further reduce space occupied and energy usage.	34,600,000	3,806	\$13,900,000	\$9,900,000	\$3,610,000
PC Power Management	Since 2009, PC power management has avoided 29 million kWh (equivalent to 3,195 metric tonnes of CO ₂ e).	2,000,000	220	\$150,000	\$100,000	\$260,000
Thin Clients	TD has installed 3,800 thin-client devices to replace desktop and laptop PCs. These units use ~7 watts of energy, significantly less than the standard desktop.	1,200,000	132	\$2,000,000	-	\$120,000
Printer Reduction	TD removed 700 printers in fiscal 2014.	327,000	36	\$1,862,500	\$1,210,500	\$42,500
Video-Conferencing	In 2014 we increased our room based telepresence endpoints from 57 to 65.	3,600,000 Kms	1,415	\$315,000	\$65,000	\$2,300,000

