

004 Case Study:

Multi-unit Residential Toilet Replacement Program

Conversion from 13-litre toilets to six-litre models lower water bills

Actual water savings:

- Annual water savings: 35,105 cubic metres
- Project cost: \$84,600
- Project cost after rebate: \$59,340
- Annual cost savings: \$42,126
- Payback period: 16.8 months
- Cash incentive: \$25,260

Description:

- A 20-story residential apartment building with 413 units.
- The building is 30 years old.
- A privately-owned multi-unit residential building.

Building Improvements:

- Ultra-low-flush toilet retrofit-conversion from 13-litre toilets to six-litre Toto CST-703 toilets.
- Each unit received a water-saving spa showerhead, tamper-proof lavatory aerator and a tamper-proof kitchen aerator.

Greenwin Property Management Inc. 100 Wellesley Street East

A 20-story privately-owned apartment building, built in 1974, with 1200 residents.



Project Scope

The owners installed 413 ultra-low-flush Toto CST-703 toilets. Once the toilet installations were completed, the WESCO's provided an installation summary report, a leak identification report and analysis, and monthly reports on water and energy savings performance.

Economic Benefits

Prior to installing water-efficient toilets, the building used 677 litres per suite per day. After the toilet installation and other water efficiency retrofits, **water consumption was reduced by 36 per cent** (to 444 litres per suite per day). The water reduction resulted in a cost savings of \$ 42,126 per year and the building owners recovered the project cost in less than ten months.

 **TORONTO** Water

a **WaterSaver** program 

Replacing your building's toilets makes cents!

