



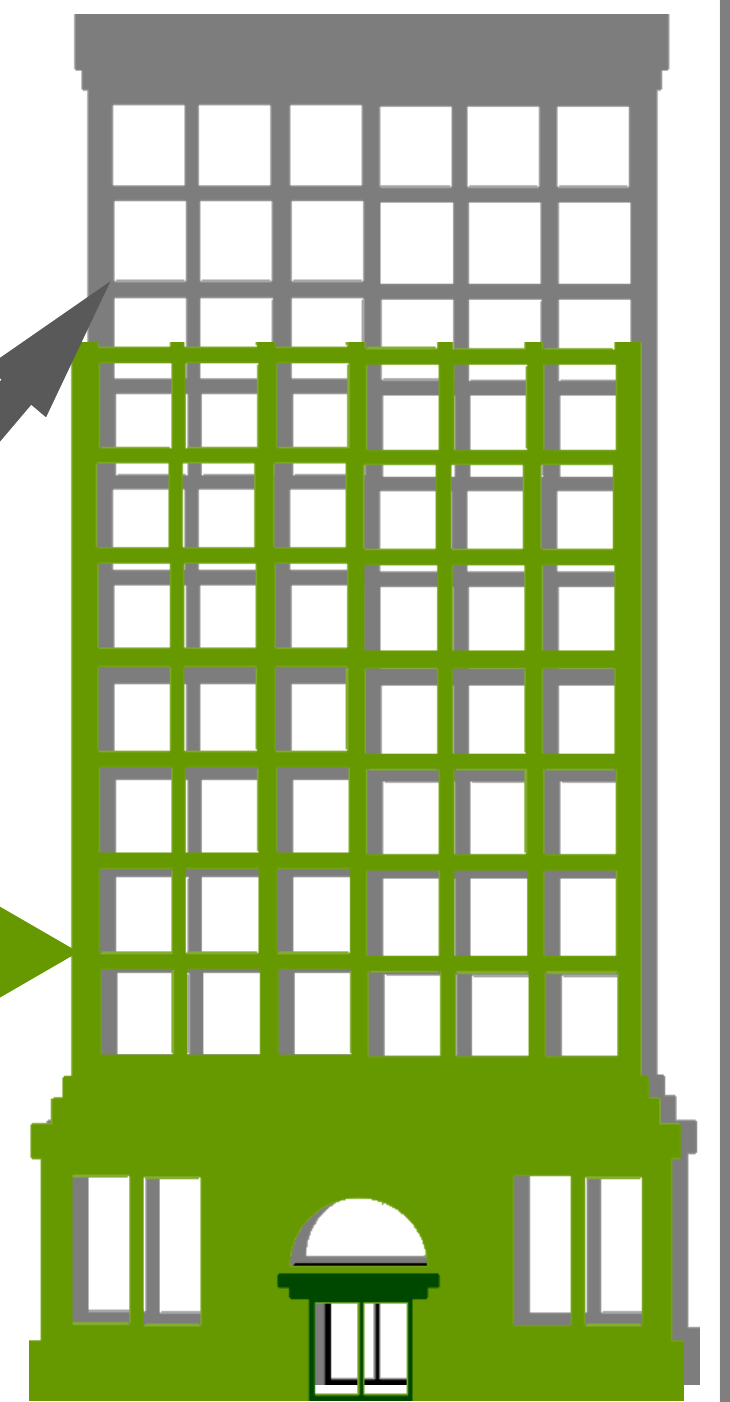
OISE Building Energy Reduction Project — Occupancy Sensor Driven HVAC Control System *Project Stats at a Glance*

**TOTAL BUILDING ANNUAL ENERGY USE BEFORE
(2012/13 BASE YEAR)**
61,046 GJ

TOTAL BUILDING ANNUAL ENERGY USE AFTER
40,501 GJ

**BUILDING
HVAC USAGE
BEFORE**

**BUILDING HVAC
USAGE AFTER
(34% REDUCTION)**



CURRENT AND CUTTING-EDGE TECHNOLOGY EMPLOYED



**CUSTOMIZED
OCCUPANCY
SENSORS**
(PROVIDES REAL-
TIME OCCUPANCY
LEVELS)



NEW BAS
(BUILDING
AUTOMATION
SYSTEM)



VSDs
(VARIABLE
SPEED
DRIVES)

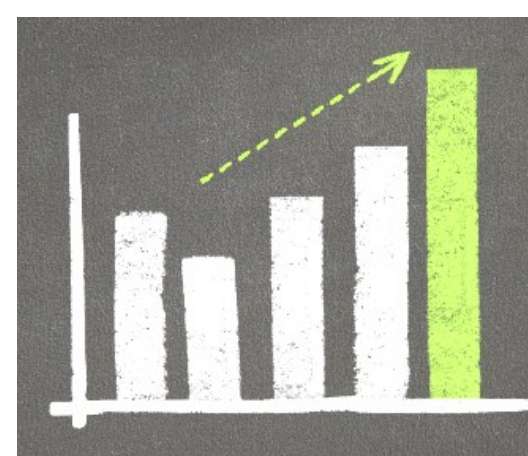


**WIRELESS
ROOM LEVEL
THERMOSTATIC
CONTROL SYSTEM**



\$520K
**PROJECT ANNUAL
SAVINGS TO OISE**

VERIFIED BY M&V PROGRAM
AND SUB-METERS



1.6 YEARS
**SIMPLE PROJECT
PAYBACK**

TOTAL INCENTIVES RECEIVED (35%)
INCENTIVES RECEIVED FROM TORONTO HYDRO &
ENBRIDGE REPRESENTS 35% PERCENT OF TOTAL
PROJECT COST (\$420K)



TOTAL PROJECT
COST: \$1.2M

**NET PROJECT
COST: \$780K**

**20,545 GJ TOTAL BUILDING ANNUAL ENERGY
SAVED PER YEAR**

COMPARED TO THE BASE YEAR
BASED ON METERED DATA

**CO₂ EMISSIONS FROM THE
ANNUAL ELECTRICITY USE OF 127
AVERAGE HOUSEHOLD**



920 tonnes eCO₂

TOTAL GHG AVOIDANCE FOR THIS PROJECT
BASED ON ANNUAL ELECTRICITY AND THERMAL ENERGY SAVED

