



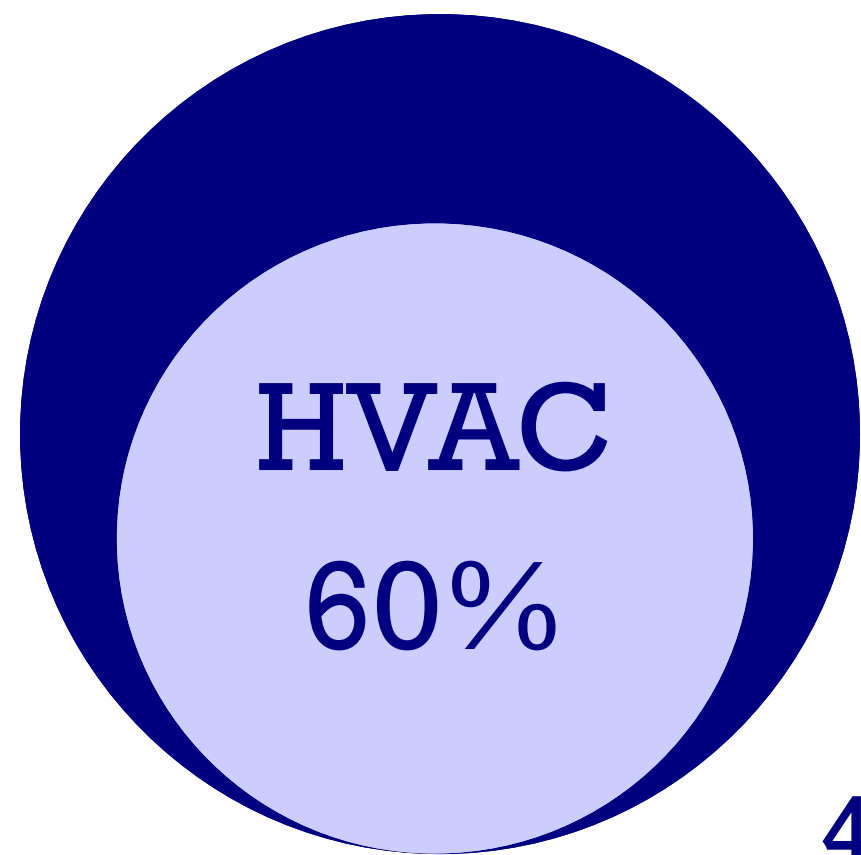
Medical Science Building Energy Reduction Project

Project Stats at a Glance

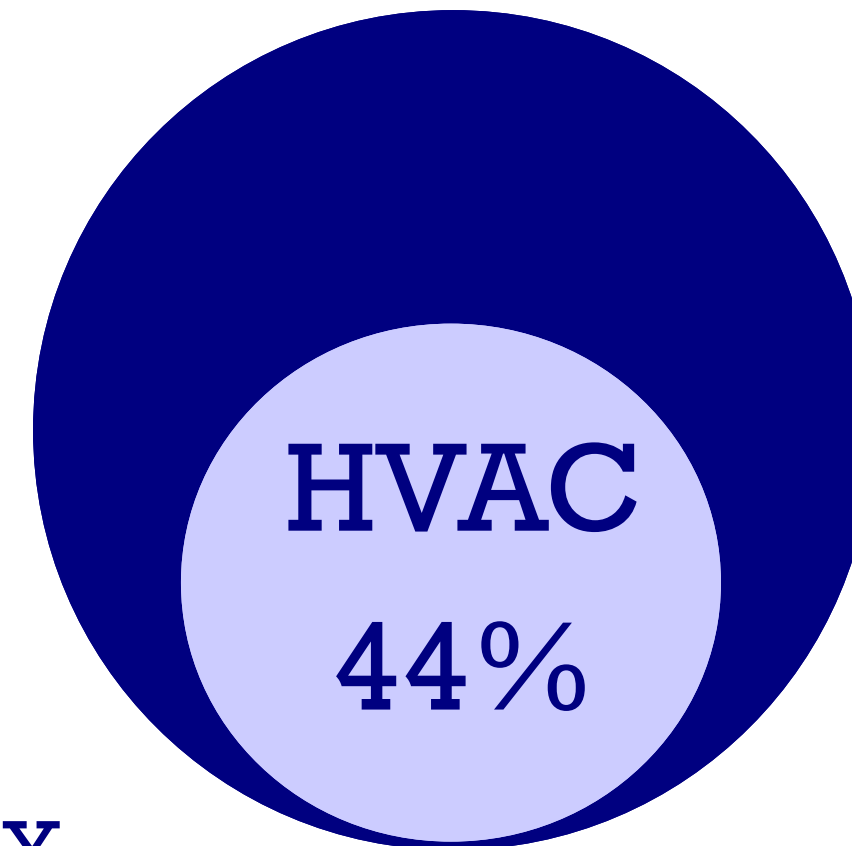
MSB TOTAL ANNUAL ENERGY USE

(2011/12 BASE YEAR)
271,177 GJ

BEFORE



AFTER

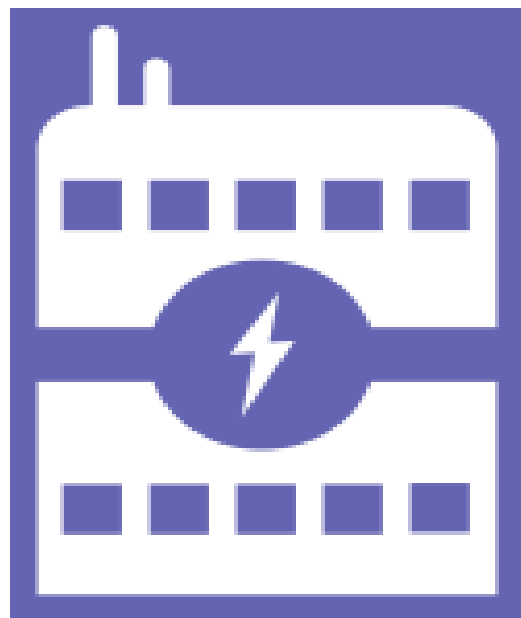


AFTER PROJECT/RETROFIT
45,078 GJ SAVED ANNUALLY

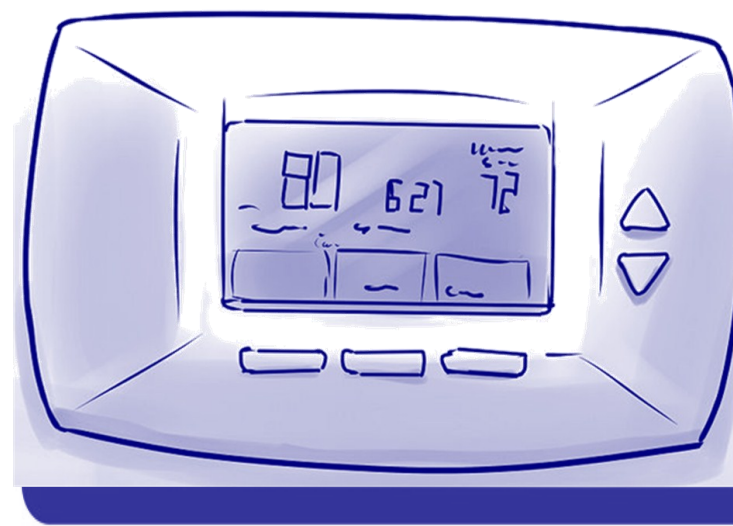
CURRENT AND CUTTING-EDGE TECHNOLOGY EMPLOYED



VSDs
(VARIABLE
SPEED
DRIVES)



NEW
BUILDING
AUTOMATION
SYSTEM



CUTTING-EDGE
WIRELESS ROOM LEVEL
THERMOSTATIC
CONTROL SYSTEM



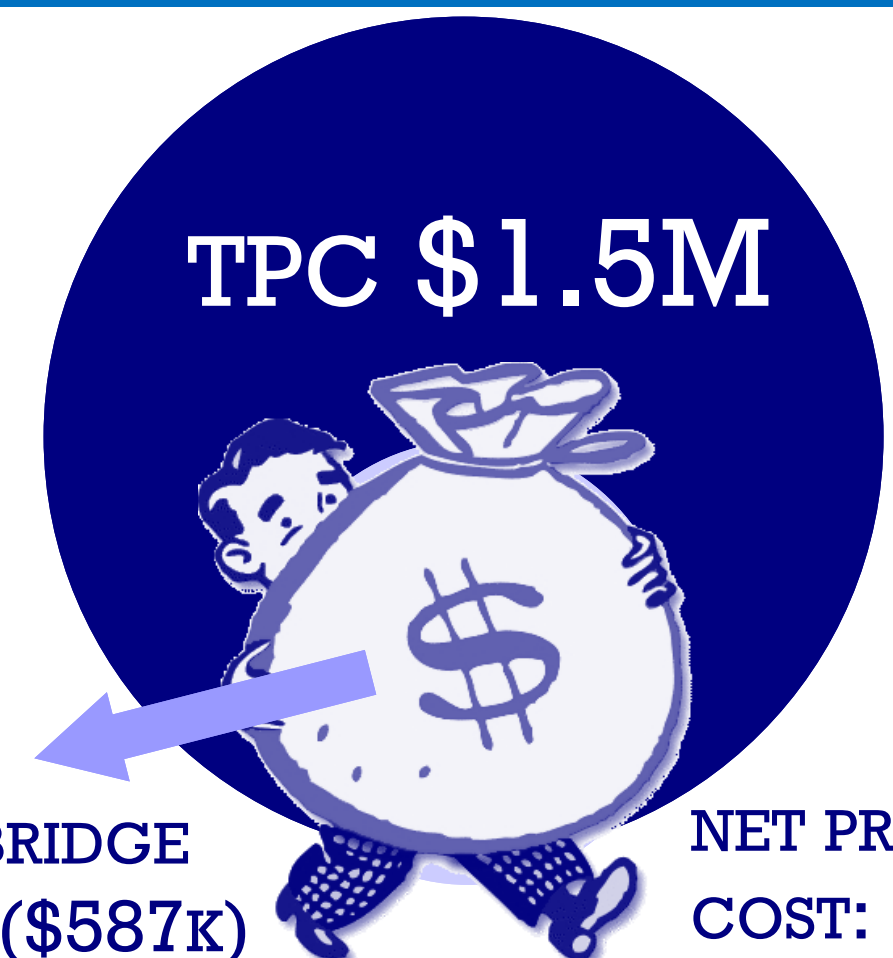
> \$1 MILLION
PROJECT ANNUAL
SAVINGS

VERIFIED BY M&V PROGRAM
AND SUB-METERS



<1 YEAR
SIMPLE PAYBACK

TOTAL INCENTIVES RECEIVED (39%)
INCENTIVES RECEIVED FROM TORONTO HYDRO & ENBRIDGE
REPRESENTS 39% PERCENT OF TOTAL PROJECT COST (\$587K)



TPC \$1.5M

NET PROJECT
COST: \$913K



45,078 GJ

TOTAL ENERGY SAVED PER YEAR = ANNUAL ENERGY USE OF 455
COMPARED TO THE BASE YEAR STANDARD CANADIAN HOUSEHOLD
BASED ON METERED DATA



2,327 tonnes eCO₂

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



TAKING
1,836 AVERAGE
EFFICIENCY CARS OFF
THE ROAD