



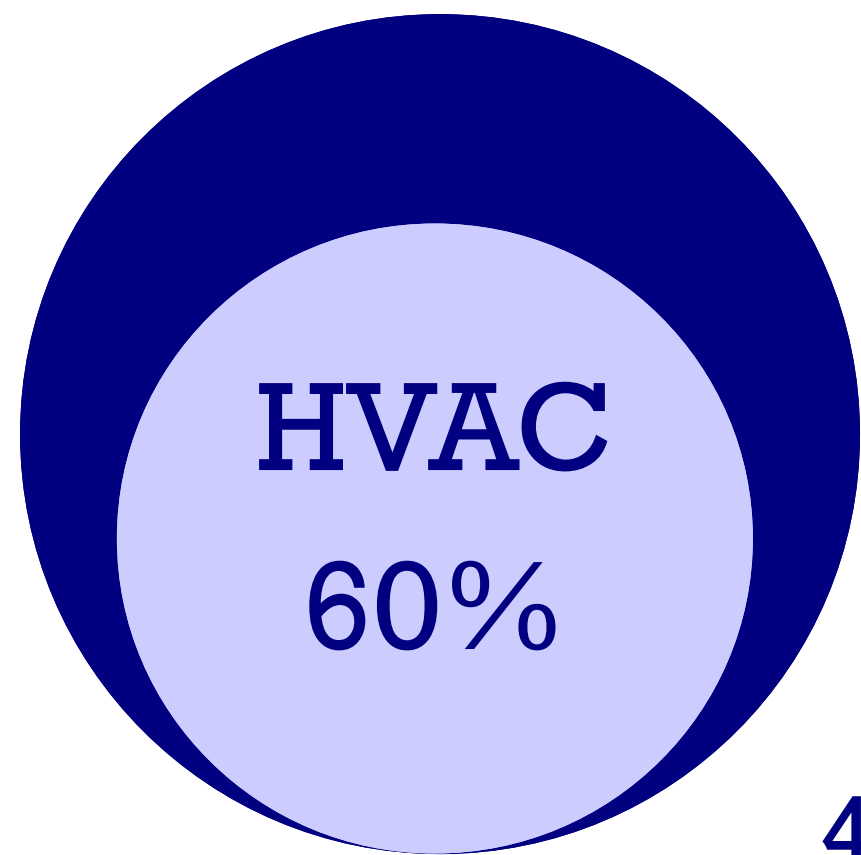
# Medical Science Building Energy Reduction Project

## Project Stats at a Glance

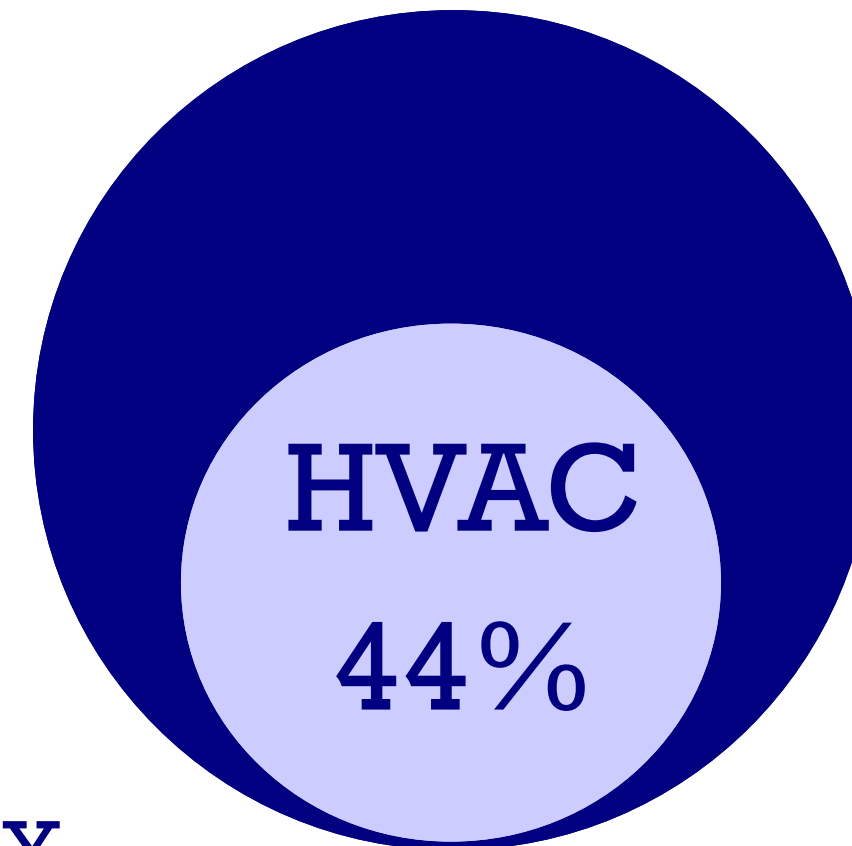
### MSB TOTAL ANNUAL ENERGY USE

(2011/12 BASE YEAR)  
271,177 GJ

BEFORE

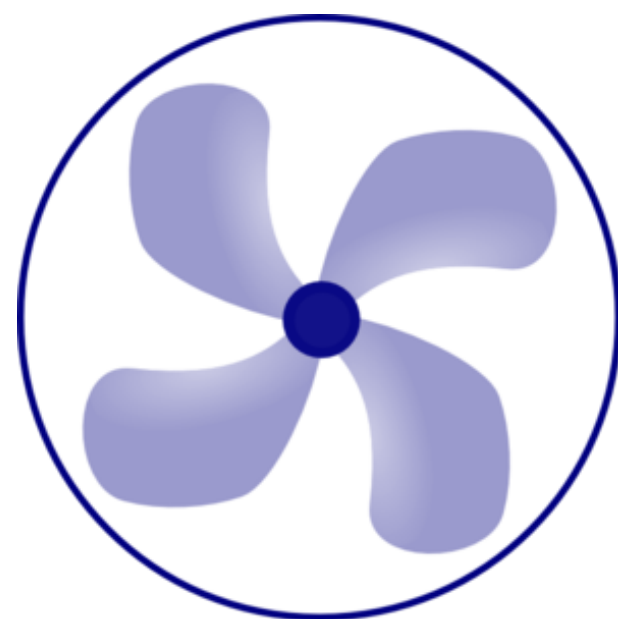


AFTER

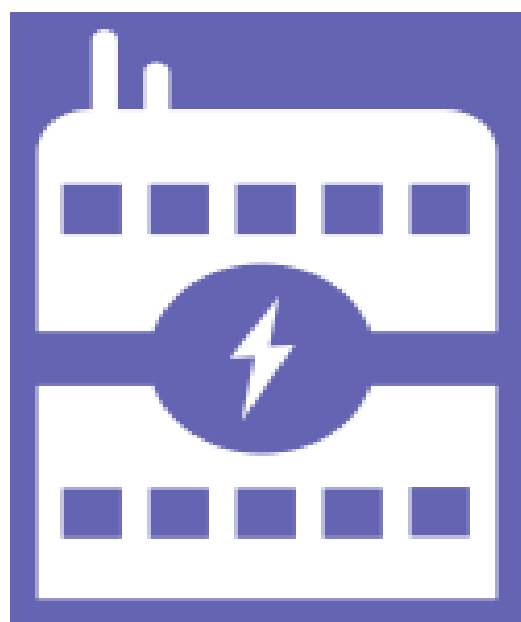


AFTER PROJECT/RETROFIT  
45,078 GJ SAVED ANNUALLY

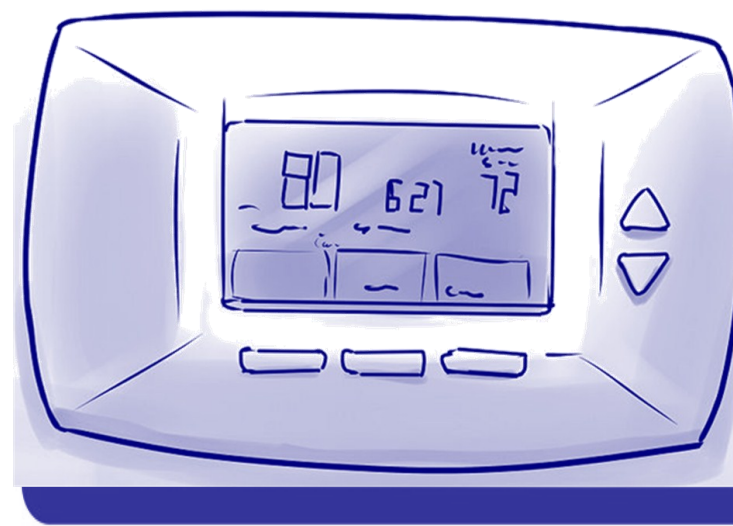
### CURRENT AND CUTTING-EDGE TECHNOLOGY EMPLOYED



VSDs  
(VARIABLE  
SPEED  
DRIVES)



NEW  
BUILDING  
AUTOMATION  
SYSTEM



CUTTING-EDGE  
WIRELESS ROOM LEVEL  
THERMOSTATIC  
CONTROL SYSTEM



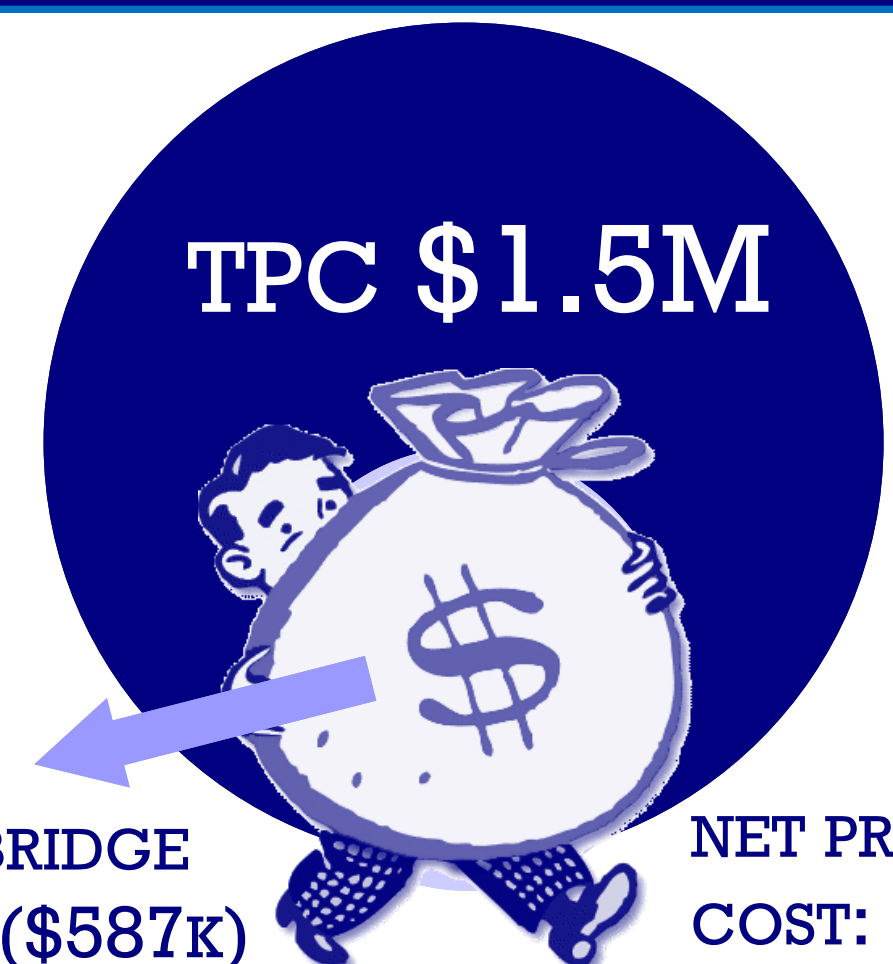
> \$1 MILLION  
PROJECT ANNUAL  
SAVINGS

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

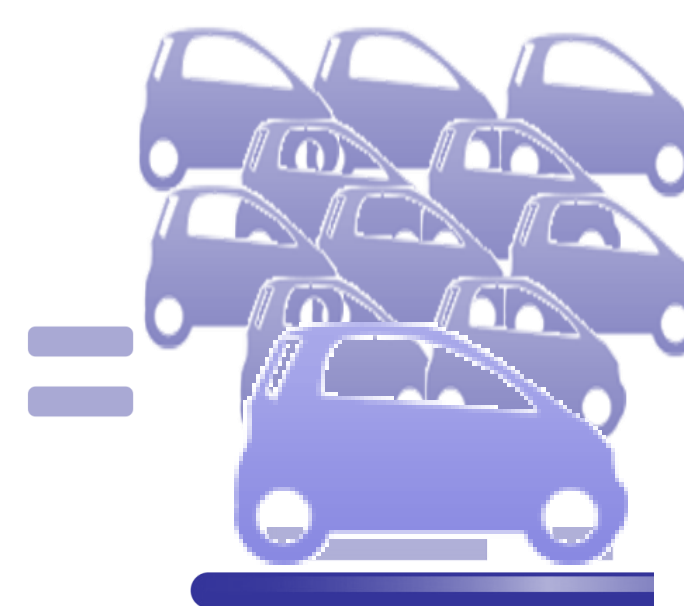
TOTAL ENERGY SAVED PER YEAR  
COMPARED TO THE BASE YEAR  
BASED ON METERED DATA

= ANNUAL ENERGY USE OF 455  
STANDARD CANADIAN HOUSEHOLD



2,327 tonnes eCO<sub>2</sub>

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



TAKING  
1,836 AVERAGE  
EFFICIENCY CARS OFF  
THE ROAD