

## Village Apartments Scarborough, Ontario

### Case Study

Reduced Heating Costs by 28%

Pay Back of 1.45 years

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### Site Description

- 15 storey apartment building
- 379 suites
- property managed by Metro Toronto Housing Corporation
- primary/secondary heating loops with DHW fed from hot water boiler



### Project Objective – Single Measure Energy Conservation:

Install Novitherm Heat Reflectors in baseboard convectors to:

- reduce fuel consumption and costs
- improve comfort levels for tenants
- improve environmental conditions inside and reduce CO2 emissions
- decrease both primary and secondary heating loops temperatures by 15%

### Results:

**\*based on Heating Degree Day Analysis (1998/99 Vs. 2000/2001**

- cleaned dirt, dust and debris from baseboard convectors
- improved tenant comfort levels
- heating water temperature reduced 15°F
- 28% reduction in gas consumption
- saved \$14,560 at 1999 prices; \$38,828 in 2001
- reduced greenhouse gas by 229 tonnes
- project had a 1.45 year payback