

Case Study Solar Air



Housing Authority Winnipeg, MB

- Solar Wall Area:
 - 676 m² (7,280 ft²)
- Air Volume Heated:
 - 24,000 cfm (11,300 l/s)
- Maximum Heat Output
(solar radiation at 900 watts/ m²)
 - 300 kW (1,024 MBH)

Solarwall component \$186,154 Corridor make-up air and suite exhaust fan replacement \$272,440, DDC control \$70,000

- Annual gas cost avoidance projected to be \$17,500 for the Solar Wall
- Annual cost savings of \$12,000 for the 2 speed fan speed operation.
- Annual cost savings of \$9,200 for the control system upgrade