



PROJECT PROFILE

DXS TORONTO - Sparrowway
Toronto Community Housing

Ventilation Solution

13 NOVA ERVs with Daikin VRV integration

Project Requirements

- › Heating + Cooling
- › Energy Retrofit
- › Improve Occupant IAQ
- › High-Efficiency Solution

Project Type

Retrofit

Team:

Sprint Mechanical

WalterFedy

Turner Construction

Manufacturer's Rep

DXS Toronto

Challenge

Toronto Community Housing Corporation's Sparrowway, faced aging infrastructure and an urgent need to improve indoor air quality, comfort, and energy efficiency. The goal was ambitious: reduce energy use and carbon emissions by 50% while making homes healthier and more resilient to extreme summer heat. Before the retrofit, untreated fresh air was delivered directly into tenant spaces, resulting in discomfort and inefficiencies. The project demanded a solution that aligned with Toronto's Net-Zero targets and would deliver long-term utility savings—estimated at over \$5 million in the next two decades.



Solution

Oxygen8 supplied and commissioned 13 rooftop-mounted NOVA ERV units in just one week as part of this deep energy retrofit.

Integrated with Daikin VRV systems, the ERVs now provide climate-controlled, filtered fresh air year-round—replacing the previous untreated ventilation. Each unit leverages advanced controls to modulate airflow, preheat or cool incoming air, and recover energy from exhaust air, significantly improving indoor comfort and air quality. The result is a modern, efficient, all-electric ventilation system that supports both resident wellbeing and long-term sustainability.



Now, instead of just fresh but untreated air, residents receive climate-controlled, filtered air year-round.”
— Andrew, DXS

