



## Multi-Residential

# Toronto Community Housing, Moss Park



*Photos of the SolarWall® and SolarDuct® systems at Moss Park in Toronto, Ontario*

### Background

Moss Park is a community of affordable housing buildings located in downtown Toronto. It is also a Tower Renewal site, as designated by the City of Toronto, which refers to a city-wide program aimed at improving Toronto's concrete apartment towers and surrounding neighborhoods.

Multi-residential high-rise buildings are excellent candidates for SolarWall® air heating systems because they required continuous ventilation air in the hallways and common-areas. In addition to the renewable energy benefits, with these types of retrofit applications, the installation of the wall-mount SolarWall® system means that these buildings have effectively been re-clad, thus reaping a second building envelope benefit.

Also, the system will provide other benefits; including a significant contribution toward achieving Toronto's sustainability goals of reducing GHG emissions and creating local "green" jobs.

### Solution

Each of the three towers that make up Moss Park were outfitted with the SolarWall® air heating technology. Two of the towers had custom designed 3,388 ft<sup>2</sup> (315 m<sup>2</sup>) SolarWall systems, and the other tower a 480 ft<sup>2</sup> (45 m<sup>2</sup>) roof-mount SolarDuct® system comprised of 20 SolarDuct units. The SolarWall technology was incorporated into the building's mechanical system to compliment the existing HRV system.

The systems should offset 85 tons of CO<sub>2</sub> each year, which translates into a permanent GHG reduction of 2,250 tons over the 30-year lifespan of the systems.

### Results

The SolarWall air heating projects will improve the operations of the buildings and will permanently decrease the ongoing operating costs associated with energy use. The benefits are twofold; 1) decreased energy costs means more money is available every month to spend on more worthwhile community services; and 2) these renewable energy projects then become environmental showpieces for their community.

#### U.S.A.

##### Conserval Systems Inc.

4242 Ridge Lea Rd, Suite 28, Buffalo NY 14226

P: 716-835-4903 F: 716-835-4904

E: [info@solarwall.com](mailto:info@solarwall.com)

[www.solarwall.com](http://www.solarwall.com)

#### Canada

##### Conserval Engineering Inc.

200 Wildcat Road, Toronto, ON M3J 2N5

P: 416-661-7057 F: 416-661-7146

E: [info@solarwall.com](mailto:info@solarwall.com)

[www.solarwall.com](http://www.solarwall.com)

#### Europe

##### SolarWall Europe Sarl.

66 Avenue des Champs Elysees

75008 Paris, France

E: [info@solarwall.eu](mailto:info@solarwall.eu)

[www.solarwall.eu](http://www.solarwall.eu)