



Wall Centre, Phase 1. Vancouver, B.C.

PRODUCT
**SHARC
660**



MULTI-FAMILY RESIDENTIAL
DOMESTIC HOT WATER (DHW)
AUGUST 2017
WALL FINANCIAL
GBL ARCHITECTS
STERLING COOPER
CONSULTANTS

PROJECT TYPE
APPLICATION
COMMISSIONED
DEVELOPER
ARCHITECT
ENGINEERS

LEED® Gold Certified

Wall Centre Central Park is a two-phase real estate development showcasing both PIRANHA & SHARC technology.

Each phase incorporates a wastewater heat recovery system, sized to provide approximately 30% of the water heating load at high efficiencies.

PHASE 1 uses a SHARC 660 system to recover heat for over 700 residential units. PHASE 2 uses PIRANHA technology.

The systems save approximately \$50k in energy by utilizing waste heat recovery and reduce CO₂ emissions by 260 tonnes a year.



STATS & SPECS*



SHARC
660
SYSTEM



728
UNITS

FILTERED
WASTEWATER
FLOWRATE (GPM)

100

DESIGN ENERGY
TRANSFER (MBH)

300

ENERGY
TRANSFERRED
(MMBTU/ yr)

4,073

HEATING/ COOLING
% RATIO

100% / 0%

HEATING/ DOMESTIC HOT WATER (DHW)

THERMS NATURAL
GAS AVOIDED
(therm/ year)

47,920

GHG EQUIVALENT
(metric t CO₂e/yr)

259

BASELINE
ALTERNATE

NATURAL GAS BOILER

BASELINE
ALTERNATE
EFFICIENCY

85%

*based on 2019 data

Wall Centre.

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QUICK FACTS

Filters the wastewater before it passes through a heat exchanger that feeds a process loop

Acts as a source for a Colmac HPW24M heat pump

The heat pump is designed to provide continuous hot water at a setpoint of 120°F

