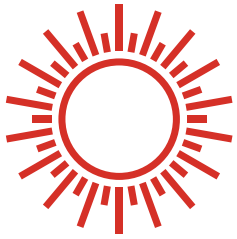


HOW THE ALEXANDRA DISTRICT ENERGY SYSTEM WORKS



726 VERTICAL CLOSED-LOOP BORE HOLES generate renewable and sustainable energy from the ground.

CENTRAL ENERGY PLANT

The energy system delivers heating, cooling and domestic hot water services using low temperature energy.

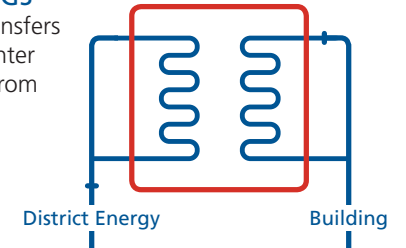
Natural Gas Boilers are used as backup energy source for the geo-exchange system, as well as providing supplemental heating during periods of extreme cold.

Evaporative Fluid Coolers provide backup and peak supply during hot seasons.

CONNECTED BUILDINGS

Energy transfer station transfers heat to the building in winter or receives rejected heat from the building in summer.

ENERGY TRANSFER STATION



APARTMENT UNITS

Heat pumps in the buildings elevate the temperatures for heating or reject heat to the district energy system for cooling.

3,400 METERS OF PIPING

Energy travels from the energy centre through the distribution pipes in the street, to connected buildings.

CLEAN, EFFICIENT ENERGY FOR NOW AND THE FUTURE.