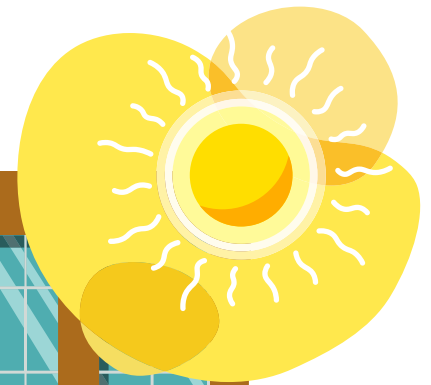


Geo-Exchange at the New School of Social Work Building

Winter

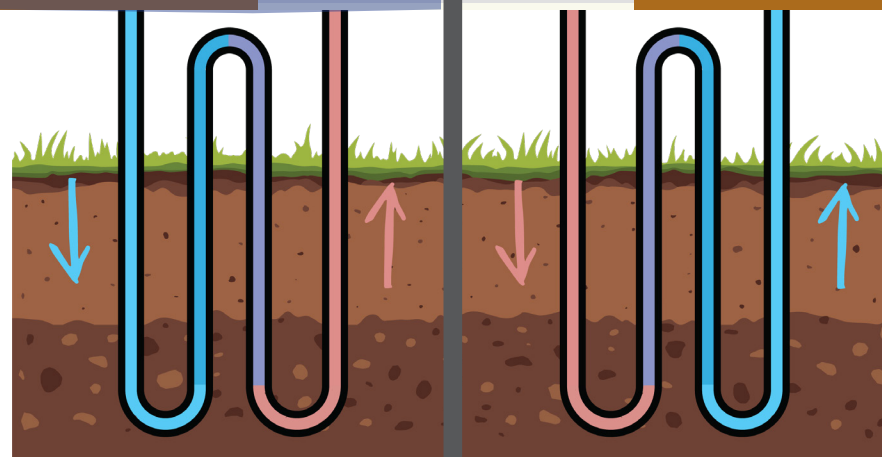


Summer



Heat is taken from the ground by a water solution through geo-exchange wells, brought to the surface, and transferred to a heat pump that warms spaces in the building.

This transfer of energy occurs because the ground is warmer than the air.



Heat is taken out of building air and travels by a water solution to the ground through geo-exchange wells; this heat removal cools the building.

This transfer of energy occurs because the ground is cooler than the air.



UNIVERSITY of MARYLAND
BALTIMORE