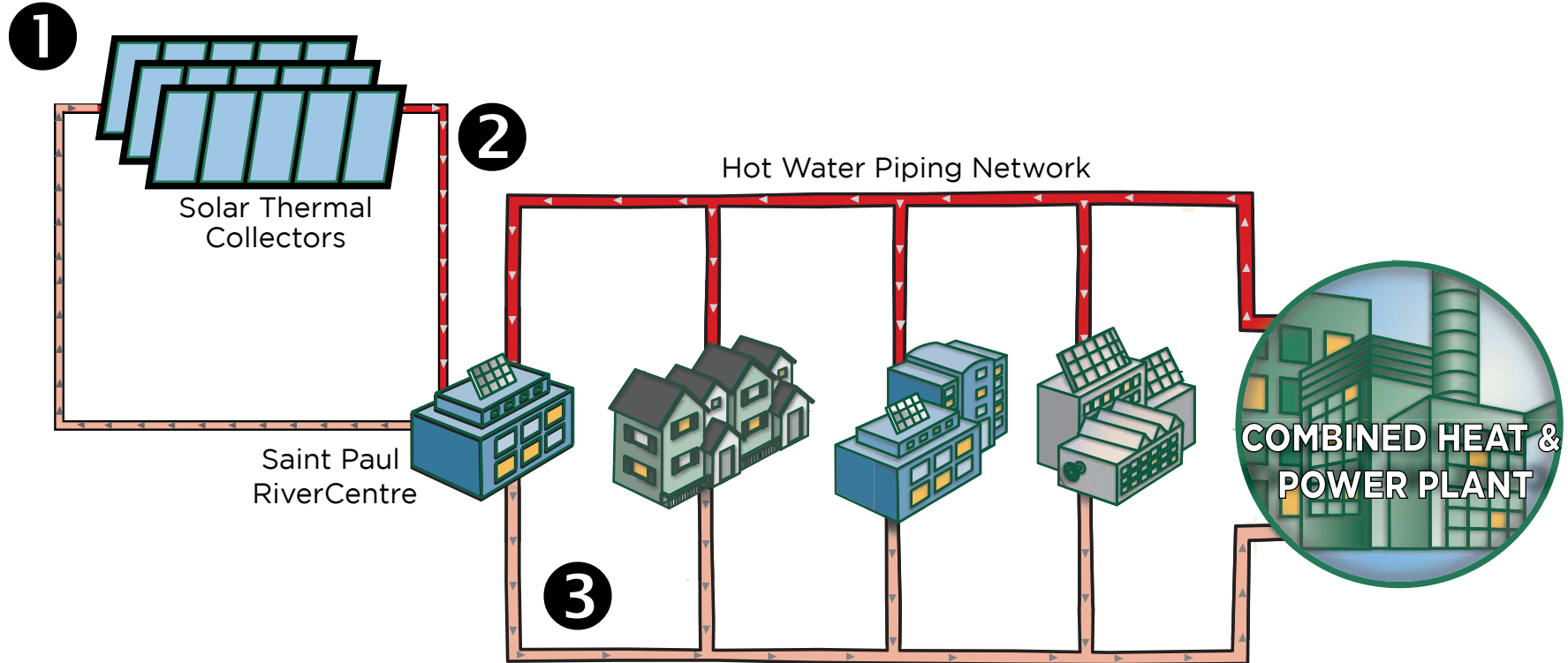




How it works...



Solar District Energy System



1 144 solar collectors were installed to capture the sun's energy in the form of hot water. Each of these high-performance collectors measures 20 feet long by 8 feet tall. Total energy production will peak at 1 Megawatt thermal capacity.

2 The solar collectors produce hot water for space heating and domestic hot water usage primarily for the Saint Paul RiverCentre before sending excess energy to the network of heating customers. The collectors heat water up to 160 °F for building consumption.

3 Once the RiverCentre's energy needs are met, then excess solar energy is directed out into the district heating network at 195 °F. The solar energy is mixed with our other energy sources to serve the needs of District Energy customers.