Depending on the orientation of the panels, one can lose 30 to 40% of the theoretical power. With nearly fifteen panels scattered throughout the site, the annual production of the structure we are proposing would therefore be 15 x 2205 kWh x 0.3, or 9922 kWh. Our proposal measures approximately 400 m² on the ground for a height of 50 meters (panels included).

Our proposal therefore produces 9922 kWh per year.

Energy is also produced thanks to a system of solar ovens. Indeed, some panels of the SOLAR TREE function as solar ovens and can heat water passing underneath. The latter turns into steam and feeds mini-turbines. Since the direct solar flux is about 800 W/m², the power obtained with a yield of about 60% is 0.6 x 800 W/m² x 50 m² x 5.

In addition to the planned structure within the ST kinda triangle, other mini-TREES are planned along THE ESPLANADE and the Secondary Boundary (THE SHORE). These mini SOLAR TREES are arranged in accordance with the Master Plan.