

At the confluence of Los Gatos Creek and the Guadalupe River, the world connects. The design emphasizes water to celebrate this connection to bring a green future to Arena Green, and San José. This design uses the concept of computer Logic Gates in its shape to represent ideas coming together for the good of humanity. Each layer of the building has two bridges which slowly merge together as visitors reach the other side. The curved walkways have multiple functions, for example, snack bars, outdoor dining, yoga classes, etc. This landmark is dedicated to the best and brightest ideas from all over the world coming together.

The building will be garnished with hanging gardens to add a visual focal point to its net-zero conceit. Vertical gardens have simpler watering routines that do not involve unnecessary water waste, which helps save energy and benefits the environment.

The concept uses a 4-tier waterfall to generate hydropower. Hydropower is the most efficient way to generate electricity. Modern hydro turbines can convert as much as 90% of the available energy into electricity. The 4-tier waterfall recaptures electricity to decrease the power needed to pump the water to the top, and in combination with solar power, can reach net-zero.

The surfaces of structural columns are covered in Transparent Photovoltaic (PV) glass. PV glass is used as a building material as well as an electricity-generating material. It provides some of the electricity for the waterfall pumps. The volume of water for the waterfall is computer controlled based on variables such as season, wind speed, weather, surrounding temperature, and the number of visitors. Since the site is beneath the flight paths of planes, the pleasant sound of the waterfall will greatly reduce the aircraft noise pollution.

This concept also minimizes its luminescence impact on the environment through a variety of technological means. Time managed lighting controls will be put in place to prevent impact on migratory birds. Lights will also be positioned and dimmed as to not disrupt aquatic life in the river. In addition, throughout the property and especially ground level lighting, bioluminescent algae lamps will provide minimum safety lighting along pathways in the blue spectrum.