THE HILL

THE HILL CREATES AN ICONIC SPACE IN SAN JOSE. IT DOES THIS BY TAKING ADVANTAGE OF THE GEOGRAPHY AND WEATHER OF THE AREA, SOCIALLY ENGAGING PROGRAMING , AND A FORMAL DESIGN LANGUAGE DRIVEN BY TECHNOLOGY.

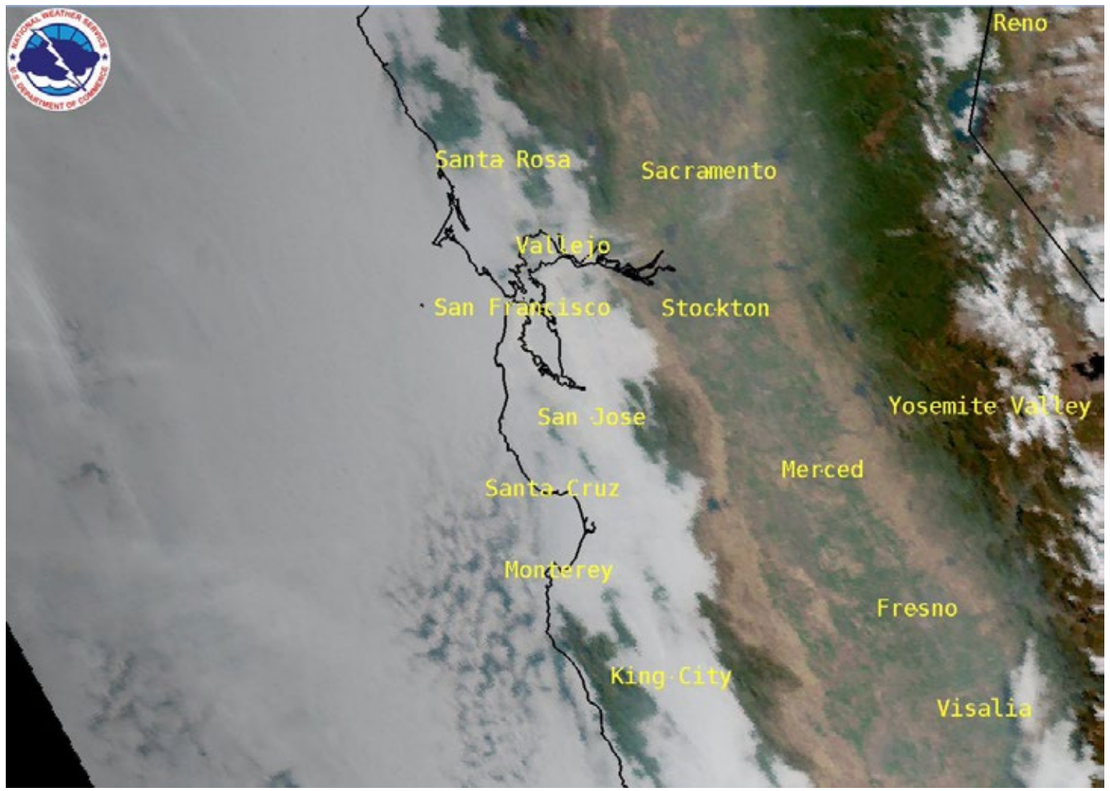

GUADALUPE
RIVER
THE HILL

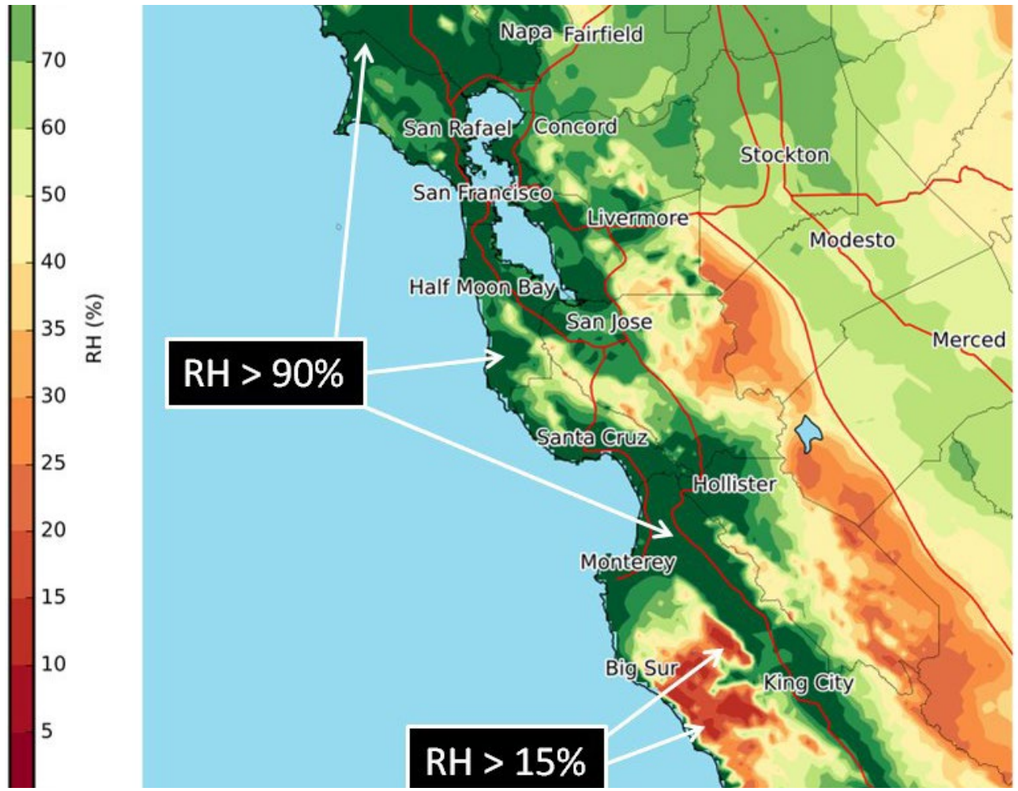
WEATHER AND GEOGRAPHY

The bay area is famous for its fog known as the marine layer. The Tower portion of the project would utilize fog water harvesting mesh to collect water for nourishment of a garden of native plants, creating an **OASIS** in the middle of San

San Jose Annual Relative Humidity (Morning) 84% (Afternoon) 62%

Source: https://www.cityrating.com/





FOG COLLECTION DIAGRAM

WATER COLLECTION TOWER

CULTURAL HUB

The Vegetated side of “The Hill” will act as an amphitheater, helping to bring live music, performance, and film to a public venue in downtown San Jose.

The underside of the Hill will serve as a Farmers Market. San Jose is within close proximity to one of the worlds great agricultural regions. By creating a covered central market “The Hill” helps draw attention to and celebrate local produce and the unique culture of the surrounding area. Throughout history food and markets have been great places for the exchange of culture and new ideas. The market component of “The Hill” will ensure it is a hub of activity and alive with the sounds a smells of many cultures.


AMPHITHEATER


The Soup Bucket
WATER
COLLECTION
TOWER
FARMERS MARKET


FARMERS MARKET

FORMAL DESIGN LANGUAGE

Artificial Intelligence (A.I.) has the potential to change the way the world looks and operates. The pioneers on the forefront of this technology are in Silicon Vally. It is proposed that the design language of “The Hill should be driven by an A.I. Machine Learning Process known as generative design. Generative design is a design exploration process. Designers or engineers input design goals into the generative design software, along with parameters such as performance or spatial requirements, materials, manufacturing methods, and cost constraints. The software explores all the possible permutations of a solution, quickly generating design alternatives. It tests and learns from each iteration what works and what doesn’t.
Generative design lets you create optimized complex shapes and internal lattices. Some of these forms are impossible to make with traditional manufacturing methods. Instead, they’re built using new additive manufacturing methods (3D printing).

Source: https://www.autodesk.com/

VIEW FROM THE RIVER


REFLECTING POOL OF COLLECTED WATER