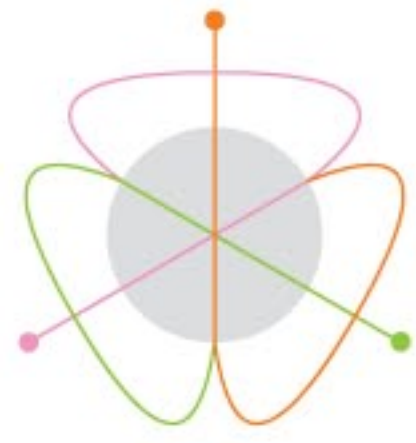


occurrence [  ] intervention



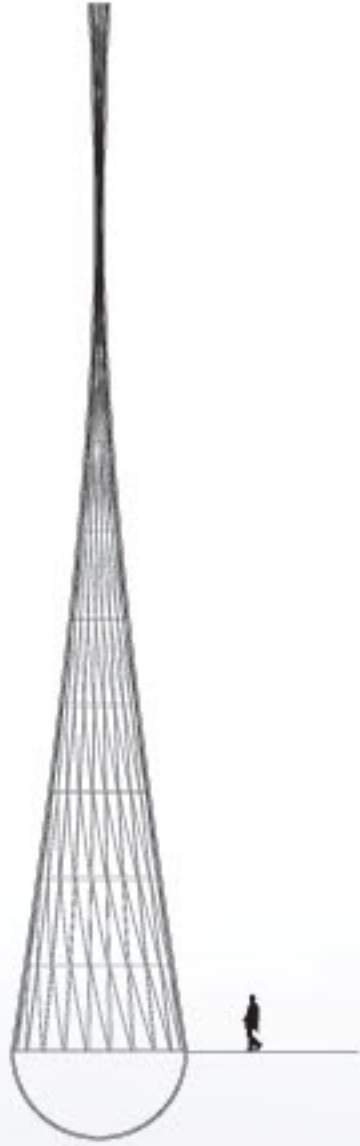
The projected rise in sea levels [occurrence] places a particular focus on the preservation of coastal cities [intervention]. The San Francisco Bay and its adjacency to the Pacific Ocean serve as a prime example in demonstrating the possibility of mediating the connection between these two bodies of water. A passive intervention would sustain the urban fabric of the city, while providing for new opportunities such as irrigated agriculture and remediated ocean water. In considering the components of such a system, preexisting site conditions would establish the nature of these elements. The first element, the evaporation tower, would directly address the concern of rising sea levels. The tower's role in the system is to remove excess water through phase change while at the same time connect inland to the water gardens. The water gardens address the fluctuation of the water table and take into account change over years. The versatile solution consists of permanent pocket water gardens, an armature for vegetation. The pocket gardens are composed in a larger adaptable wetland, providing an amenity to park space within the city. This mediation zone balances the removal of water in the evaporation towers with the harvesting of fog water in collectors. Taking advantage of the consistent fog in this region, the third component traps the moisture the air through mesh netting. The water is used for irrigation and introduces a controlled amount of water back into a redefined water cycle. This adaptable system could be proliferated over many years to accommodate for the change of sea levels.

integration of components : passive control



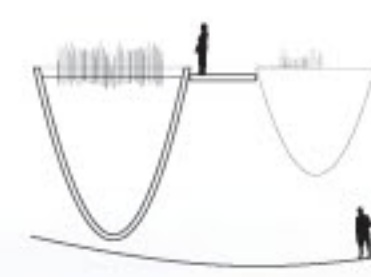
evaporation ●

ocean water is distilled through passive heating and travels upward through the tower  
 the water undergoes a phase change as it ascends the tower  
 excess water is returned to the atmosphere as a gas



mediation ●

water gardens accommodate for the fluctuation of natural tidal occurrence  
 pocket gardens collect rain water and provide for irrigated agricultural containers  
 the pocket gardens compose a larger wetland system that connects the evaporation and collection components



collection ●

fog water is harvested through a mesh net which is supported by a light weight frame  
 the water is transferred to a collector basin below ground  
 the collected water is then used to irrigate the soil through a network of underground

