

The Urban to Rural Transect



Image Credit: http://transect.org/images/transect2.jpg urbangreen®



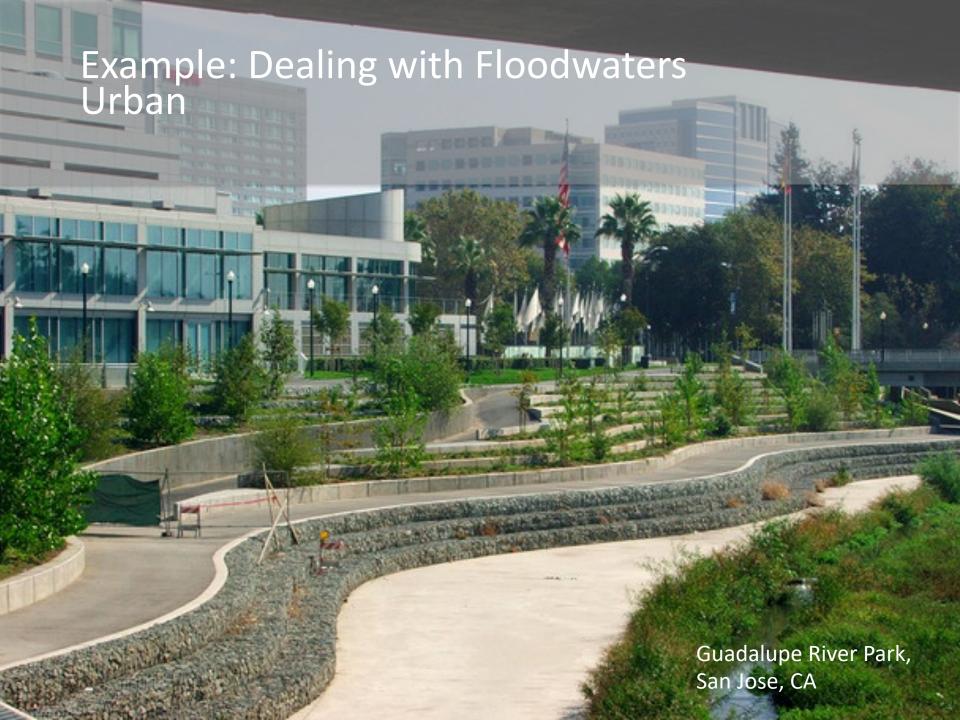


Example: Dealing with Floodwaters Suburban

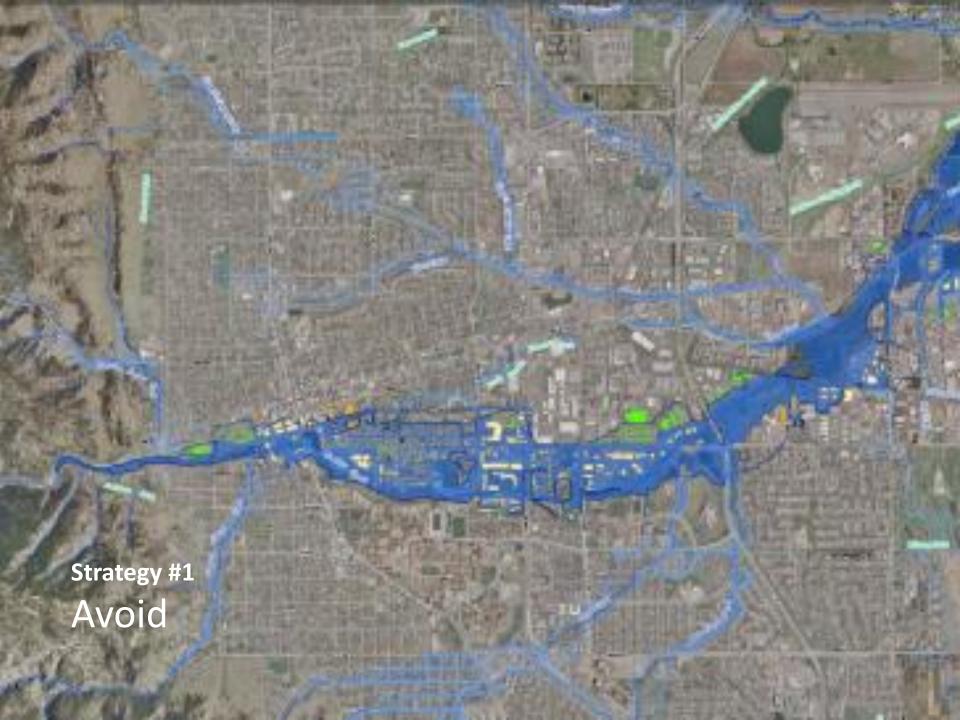


Example: Dealing with Floodwaters Suburban











Strategy #2

Anticipate





FULLY STOCKED WAREHOUSE

A 6,000-SF warehouse located on-site stores emergency supplies, including food and water.



FLOOD OPERATIONAL

Mission-critical components, including the emergency department, are located at least 21 feet above base flood elevation.



HELICOPTER ACCESSIBILITY

A helicopter landing area on top of the parking garage accommodates Blackhawk-class helicopters.



HURRICANE READY

The building envelope is constructed of glass, metal and concrete that can withstand Category 3 storms.



ROOM TO GROW

All single-occupancy rooms can be converted to double-occupancy to accommodate a potential increase in patients during an emergency.



SELF-SUFFICIENT POWER

The central energy plant stores 320,000 gallons of fuel, enough to provide full power for one week, and the refill pump is located in a waterproof enclosure above the 500-year flood line.



BOAT ACCESSIBILITY

The ramp to the emergency department extends up to the second floor, doubling as boat dock in the event of flooding.



ENERGY EFFICIENT, EVEN IN CRISIS

Rooftops connected to a 1 million+ gallon rainwater storage tank maintain operation of cooling systems and reduce use of city water



"UP-SIDE-DOWN" HOSPITAL

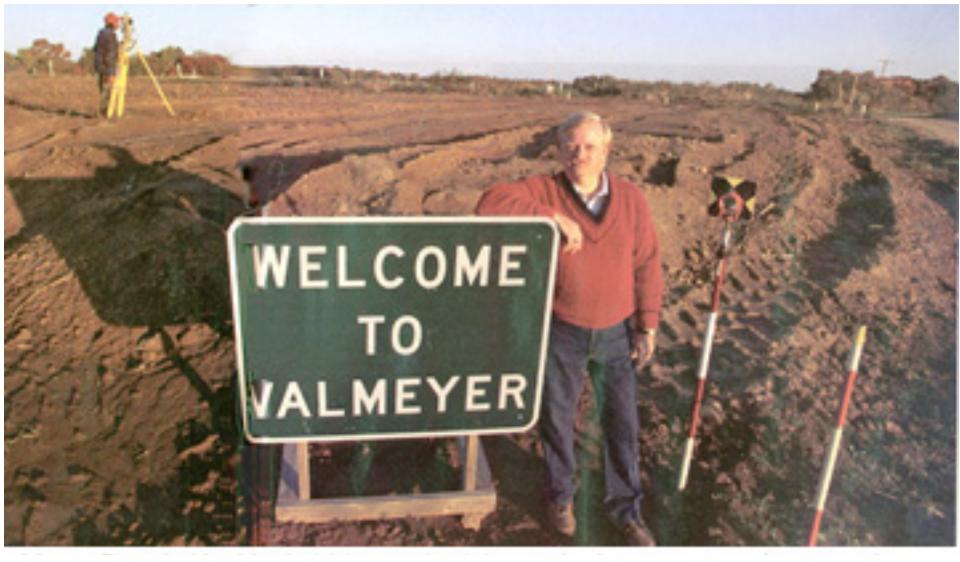
Primary utility distribution, which connects the hospital to the city power grid, is located on the fourth level to avoid flood damage.

The Generator Is the Machine of the Moment

By JULIE SATOW JAN. 11, 2013







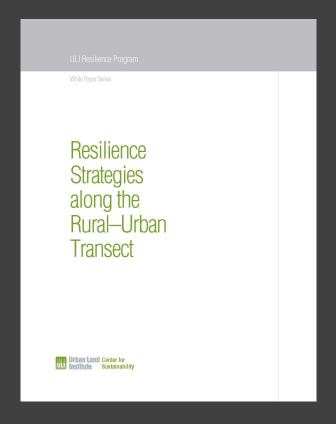
Strategy #5

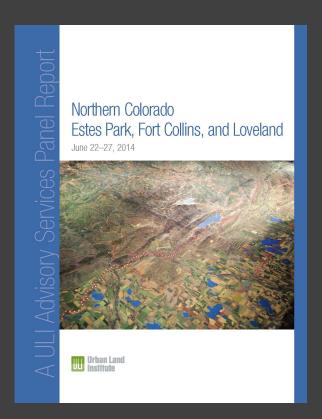
Accept

Where to Focus? What Works?

- Physical design and creative preparation of changing needs
- Adapting and upgrading policies and procedures
- Creating maintenance and preparation regimines
- Creating the necessary social networks and systems
- Education, communication and transparency

More Information





www.uli.org www.urbangreen.net

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