



Green Infrastructure 3.0:

A nearly Shovel-Ready Pathway
to
Climate Resilient and Sustainable Cities

TreePeople's Water Research Sponsored by



Partners

- LA County Public Works
 - LA DWP
 - LA Sanitation
 - LA Mayor Garcetti
 - City of Santa Monica
 - LA City Engineering
 - US Forest Service
 - CalFire
 - LA Unified School District
 - Southern CA Edison
 - Southern CA Gas
 - US EPA
 - Marisla Foundation
 - Garfield Foundation
 - The Boeing Company
 - Walt Disney Company
-
- Council for Watershed Health
 - Climate Resolve
 - North East Trees
 - The River Project
 - Green Garden Group
 - Green LA
 - Permaculture Alliance
 - Transition Towns

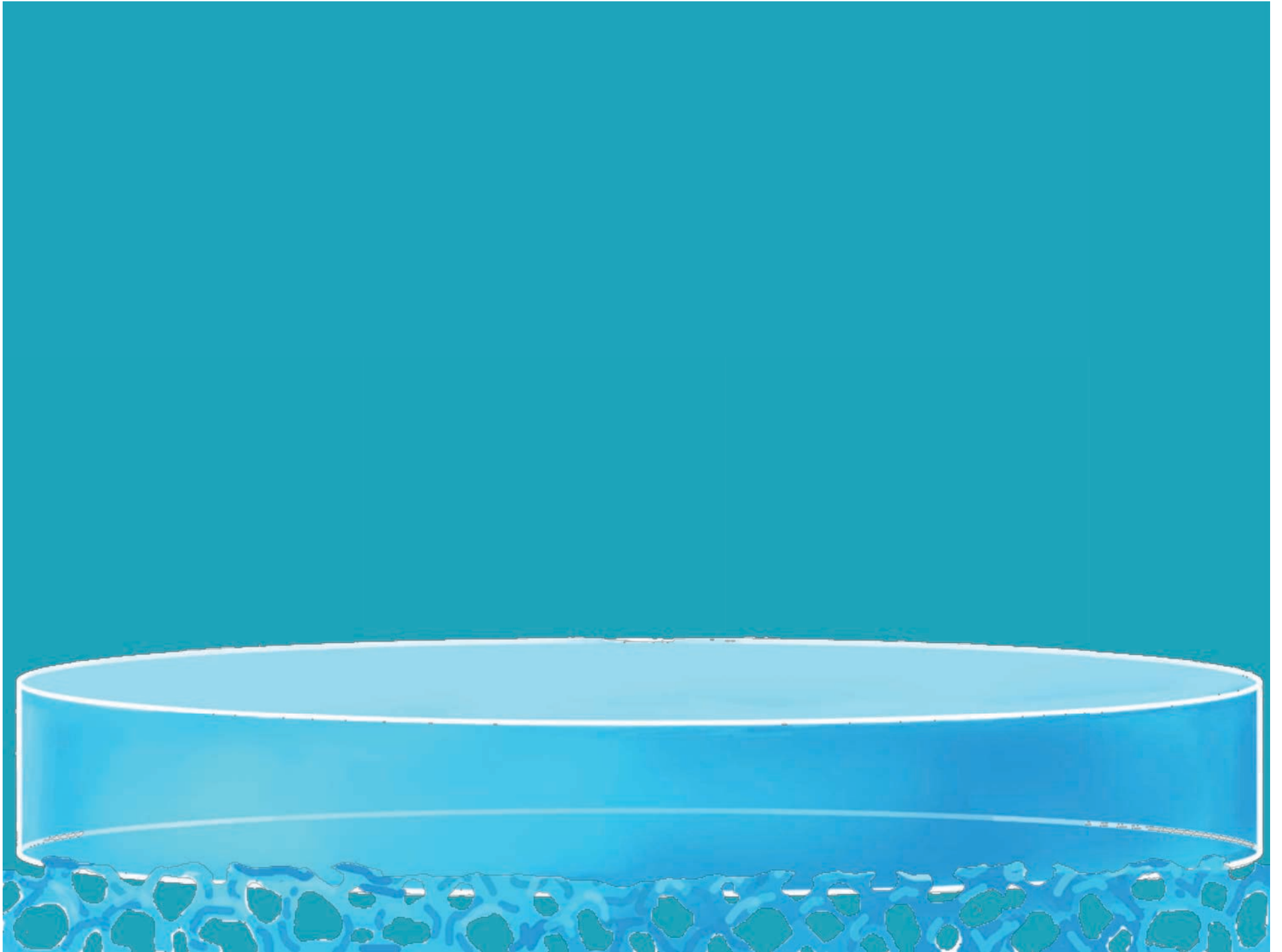




100 Feet







Shifting to Integrated Management

Current approach causes multiple problems.

Los Angeles Today

Dis-integrated approach wastes resources, duplicates efforts and imposes unsustainable practices.



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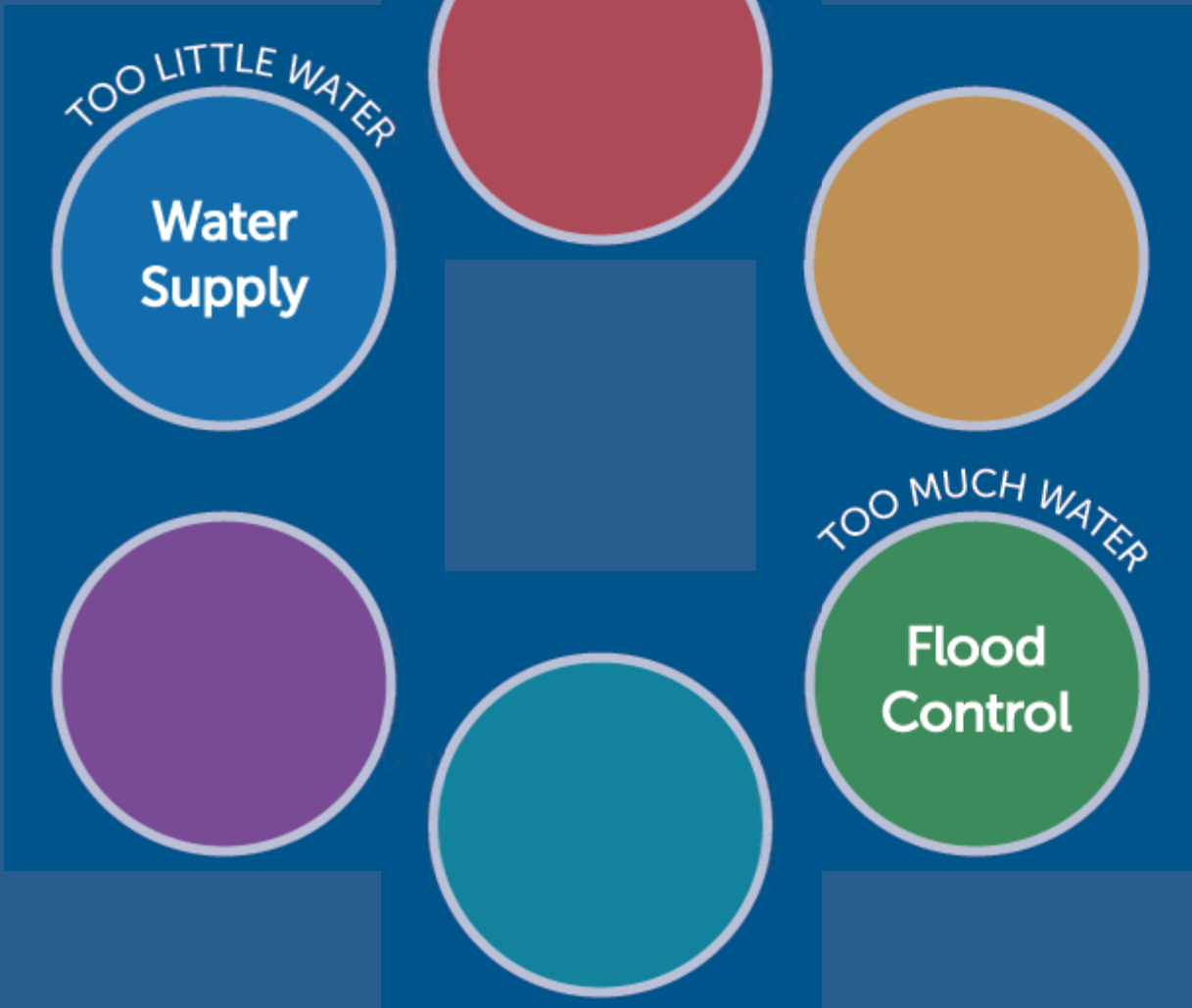


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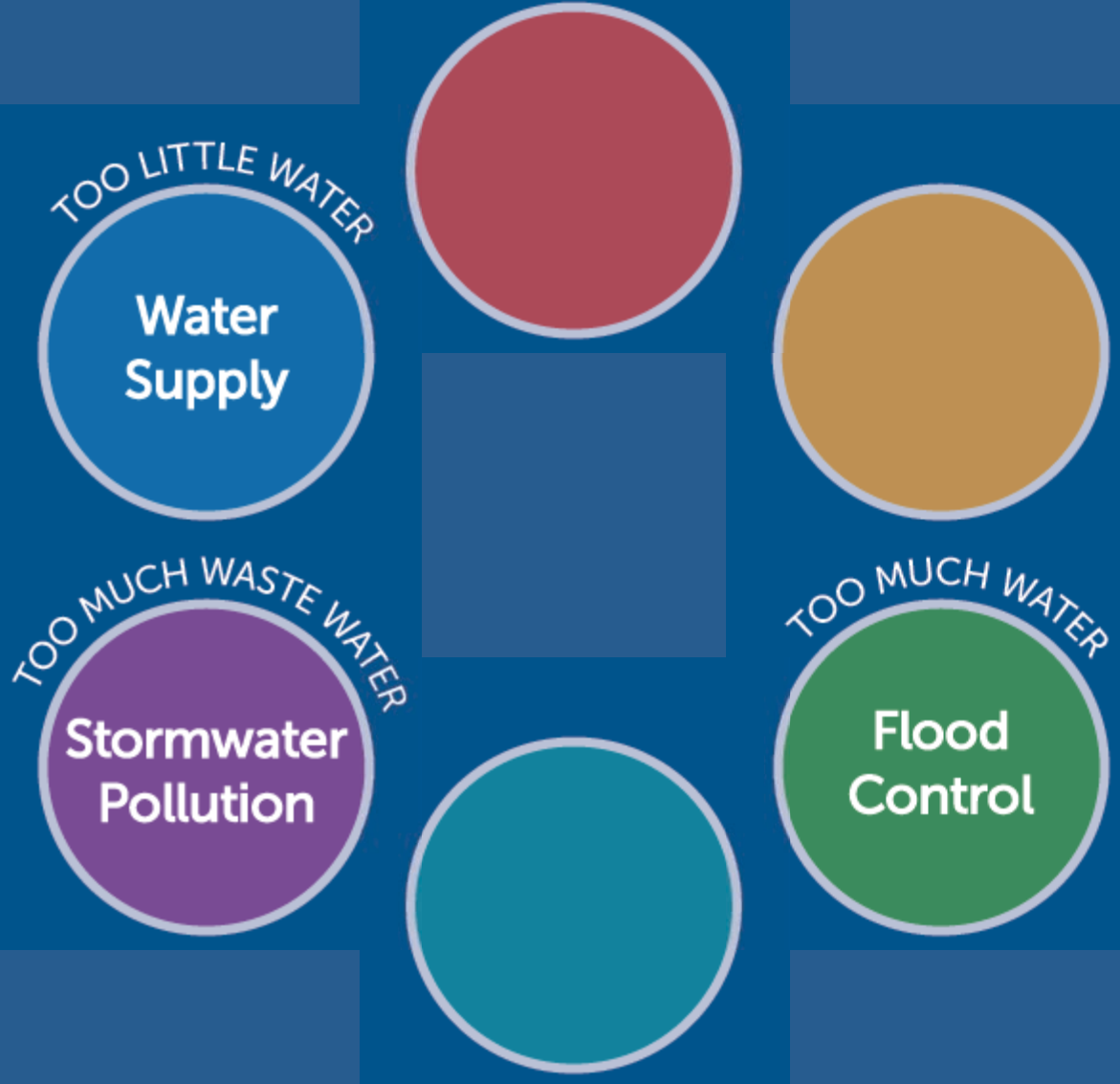


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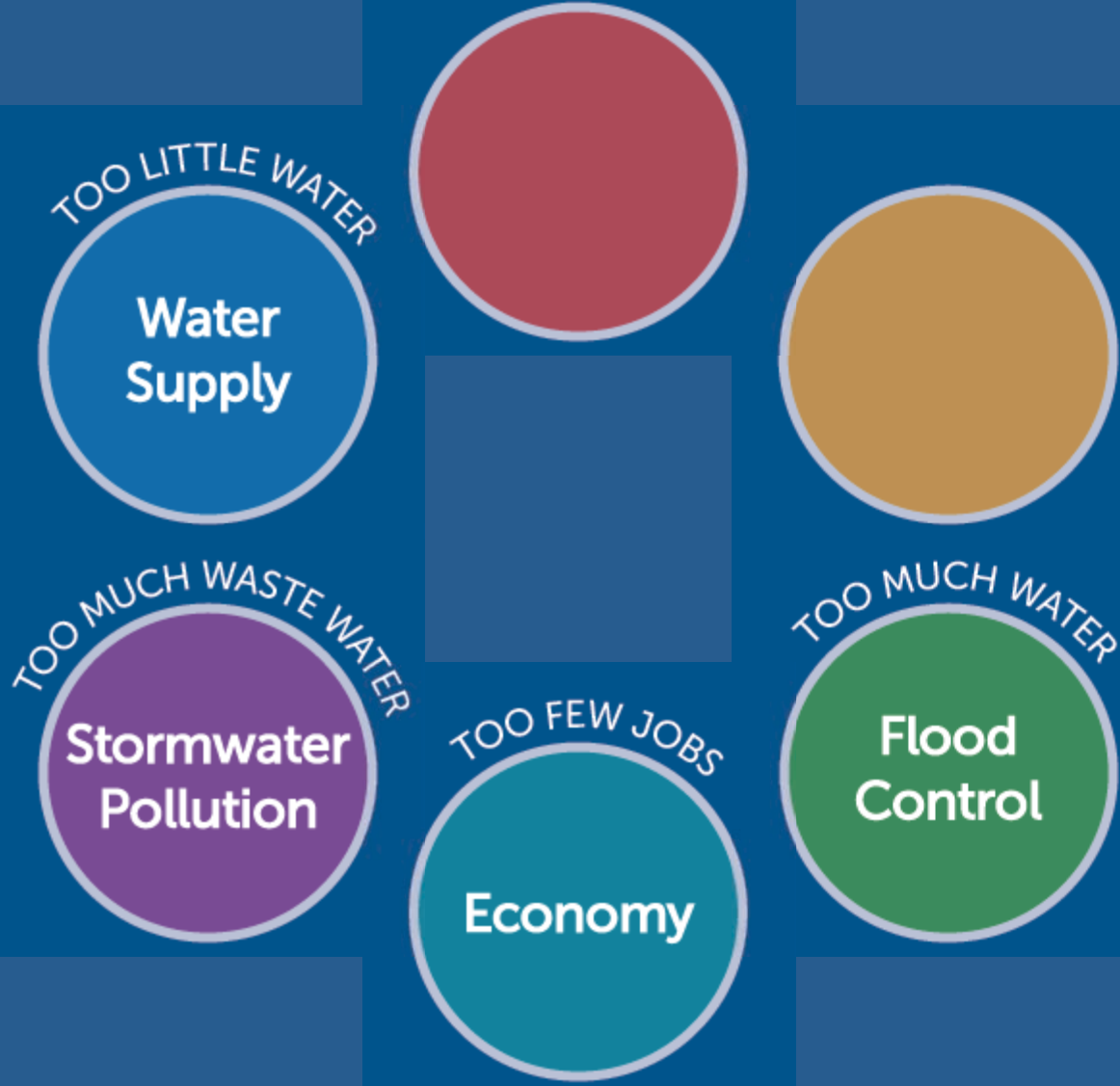


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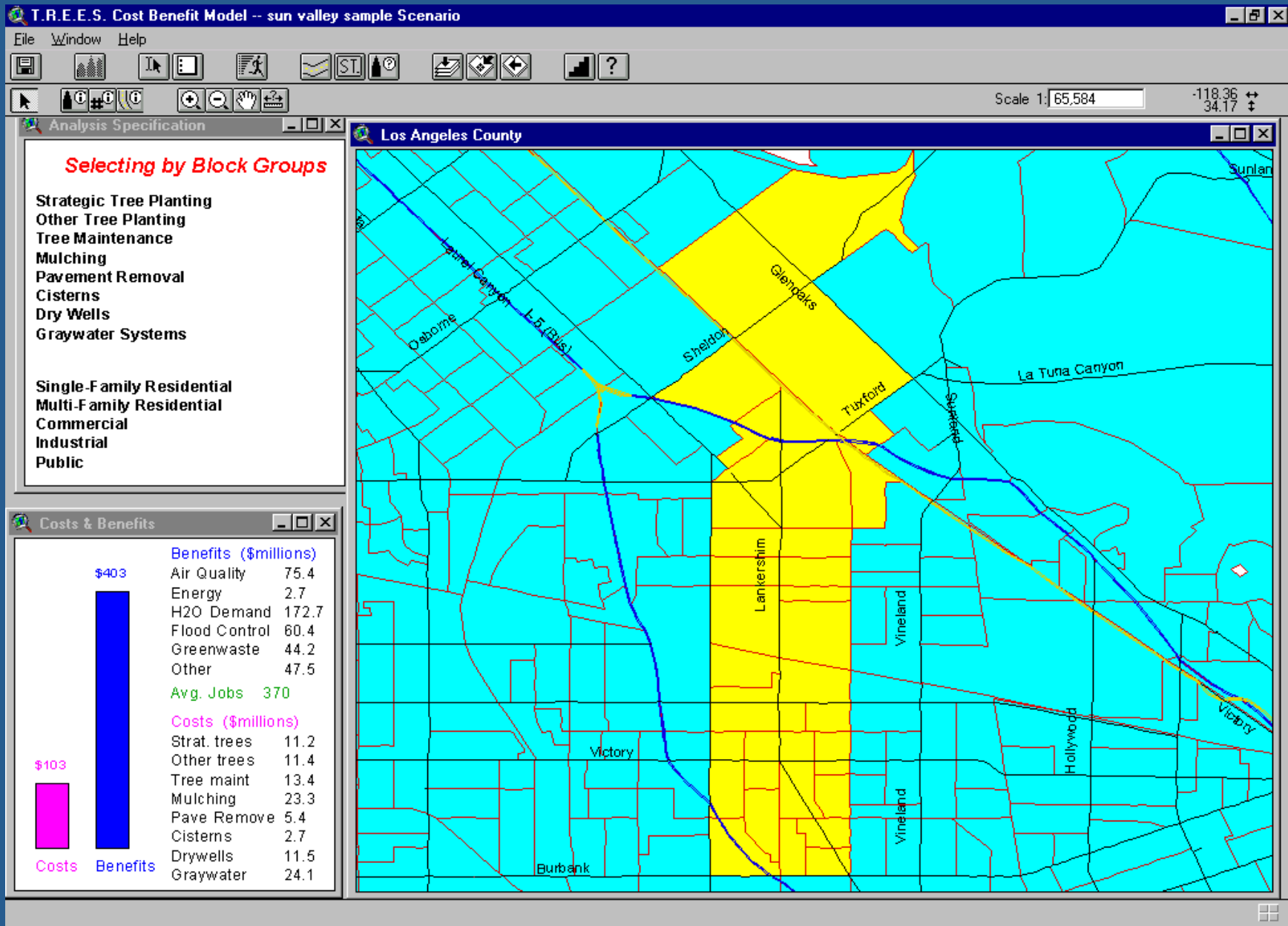
Los Angeles Potential

Integrated approach also creates jobs and liberates funds for emerging green technologies.

An integrated approach creates multiple solutions.



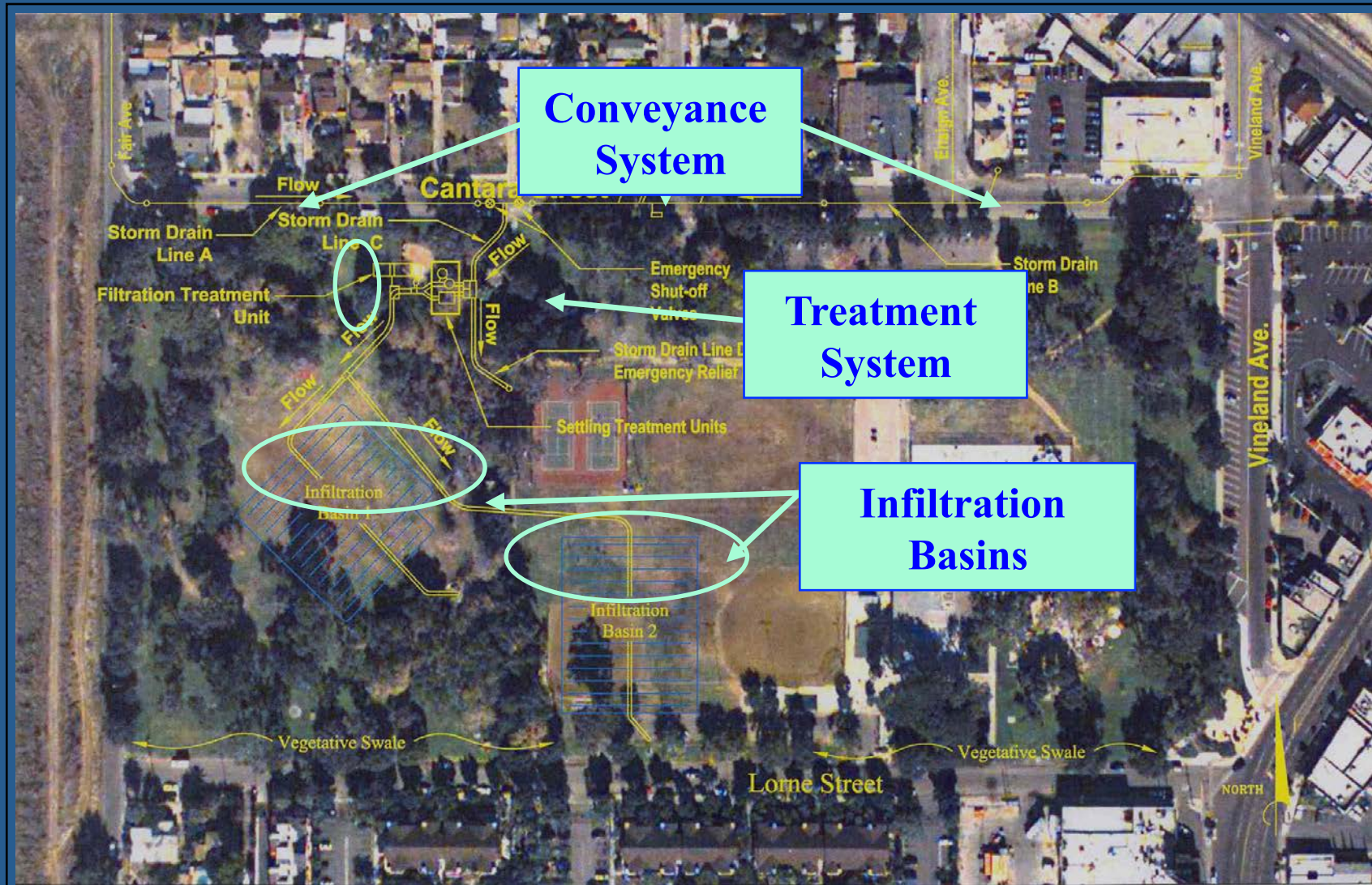
Multi-Purpose Budgets and Projects



DEMONSTRATING FEASIBILITY:

Parks, Schools, Streets and Homes

THIS Park Harvests Rainwater!









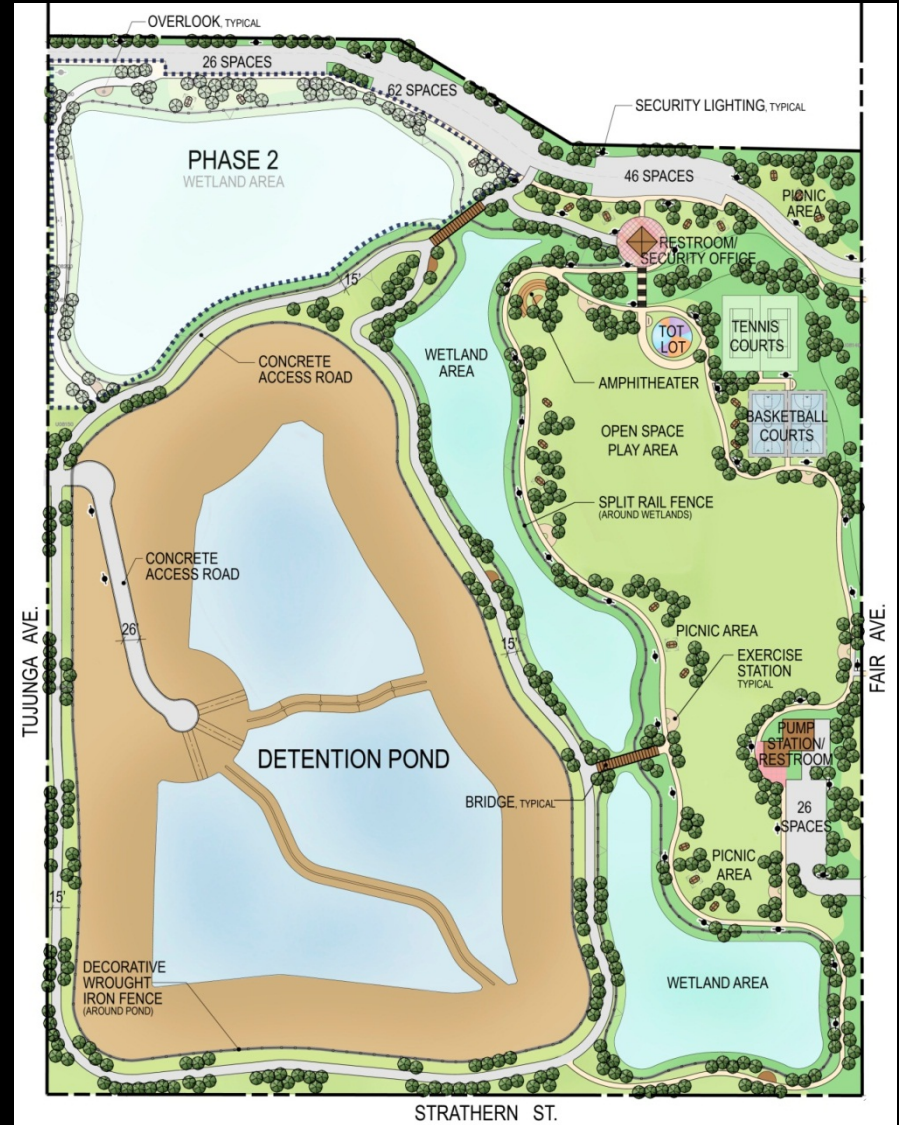
Stormwater flow to Sun Valley Park



STRATHERN WETLANDS PARK



Existing Construction Debris Landfill



Proposed Multi-Use Park

STRATHERN WETLANDS PARK (ARTIST RENDERING)











Before



After

Tree-Mimicking Rain Harvesting



DEMONSTRATING FEASIBILITY

Streets and Homes

Streets Can Capture, Store Water







DWP Rain Garden Pilot



What's Possible with Drought...

Nearly Shovel Ready

**SMART SHORT TERM EMERGENCY
AND LONG TERM CRISIS RESPONSE**

OUR GOAL: To produce a coordinated response to rapidly, smartly and effectively and simultaneously solve the region's **short** term emergency and **long** term water crises.

TreePeople's
Emergency Drought
Response Plan
for Los Angeles

1. Facilitating collaboration with top officials at DWP, LA Bureau of Sanitation, LA County Public Works and MWD.
2. Integration of water supply, storm water, flood protection and drought emergency efforts.
3. Scaling a major conservation campaign...media, social media, workshops empowering residents on how to conserve.
4. Boots on the ground volunteer deployment to save trees.
5. Effecting policy change on the city, county, state and federal levels.





Search by Species

Common or Scientific Name

Search by Location

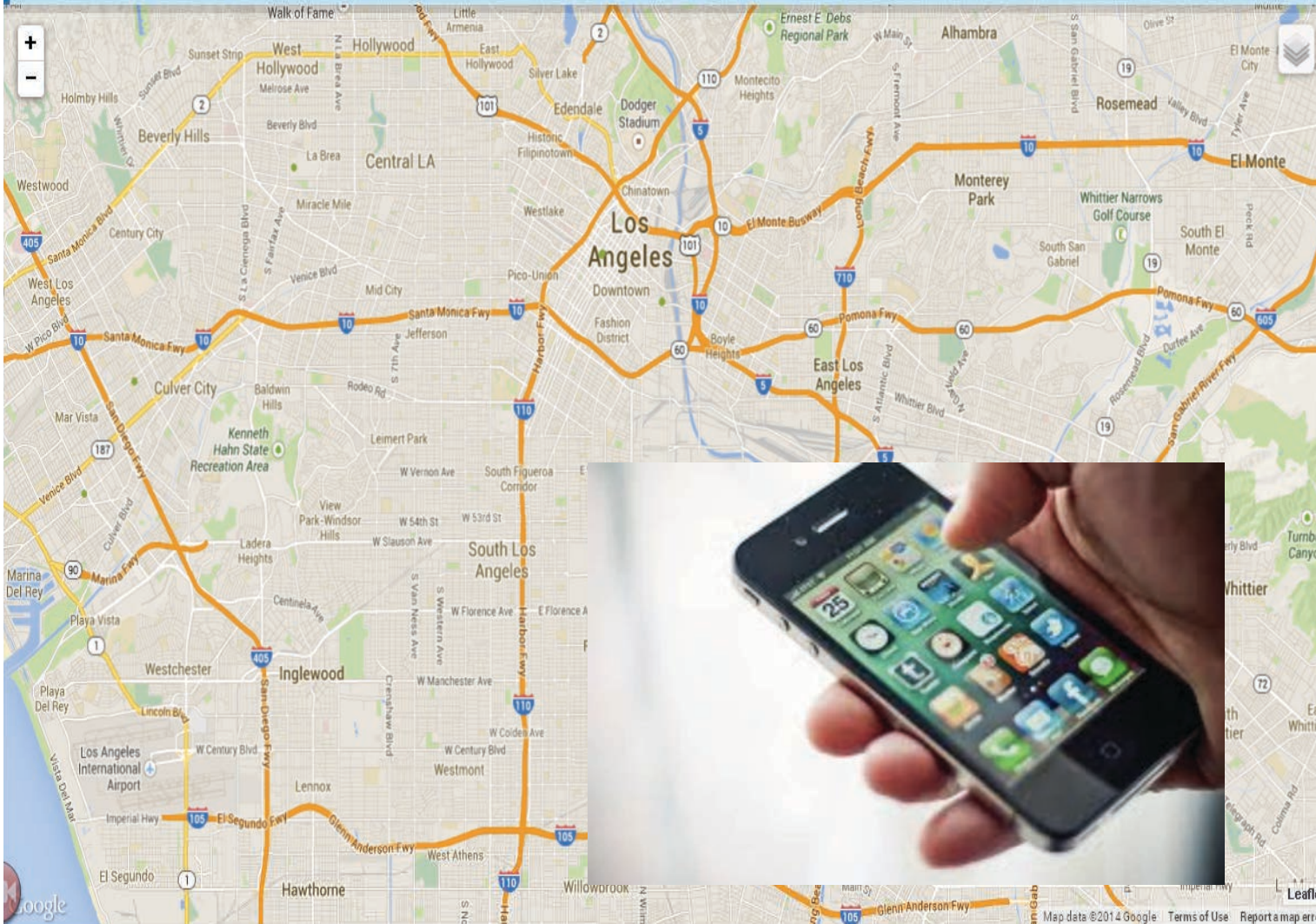
Address, City, State

Search

Advanced Reset

30 trees, 32 planting sites

Export Search Results



Tree Details

Yearly Eco Benefits

Energy Benefits

4,353.1 kwh
\$635 saved

Stormwater Benefits

62,000.5 gal
\$475 saved

Carbon Dioxide Benefits

5,689.8 lbs/year
\$45 saved

Carbon Dioxide Stored Benefits

51,656.5 lbs
\$415 saved

Air Quality Benefits

-32.6 lbs/year
\$182 saved

Based on 23 out of 30 total trees



How Australian's Saved Australia







Narrow Tanks



Rainwater Cisterns at “Home Depot”





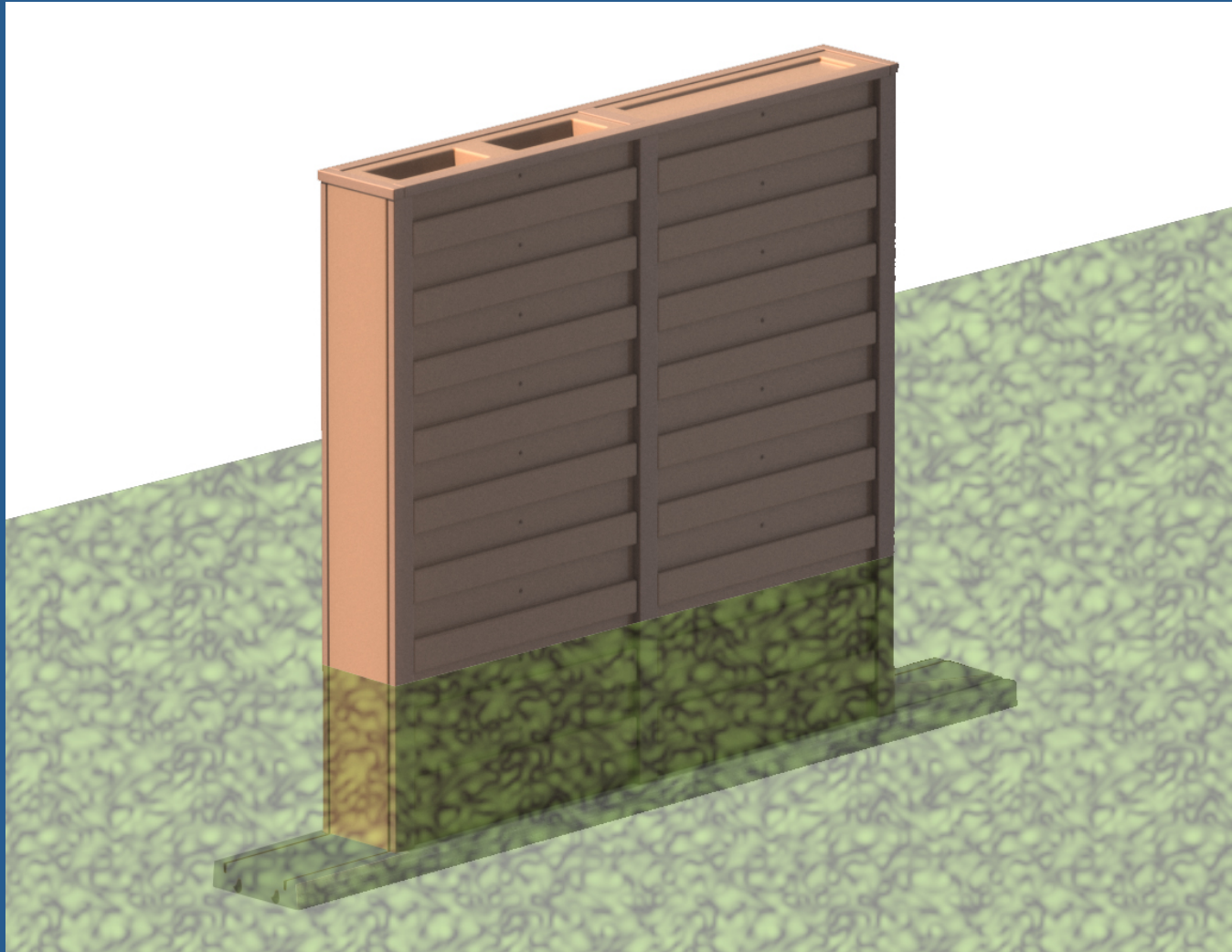


Cisterns in Homes and Schools



TAKING IT TO SCALE

Cistern Fence Module



Cistern Fence





“Board of Chiefs” Integration 2.0





TreePeople Center's LaKretz Watershed Garden





Let's take it to the Streets

For More Information



www.TreePeople.org