Urban Forestry: Use of Vegetation As Climate Adaptation – Effective and Low Cost.....When Done Well

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CAL FIRE's Urban & Community Forestry Program Functions

Why CAL FIRE Does Urban Forestry

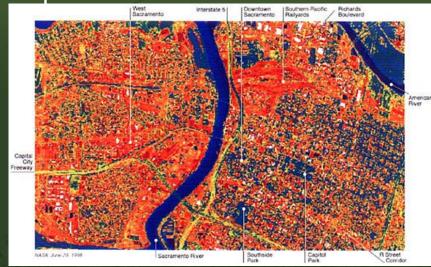
- Technical assistance/advice
- Public and professional education
- Public events
- Local and regional advocacy
- Networking and partnerships
- Technology transfer
- Grants
- Conduit to national programs

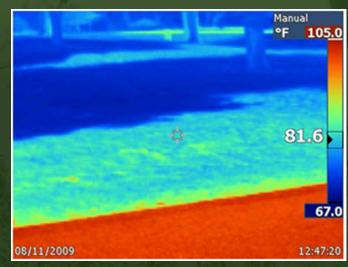
- Legislative Mandate. Urban Forestry Act (PRC 4799.06 -4799.12) 1978.
- Updated 2008, 2010, 2017.
- Safeguarding California Plan.
- Forest Carbon Plan 2018
- California Forest Assessment Report (soon to be released, CAL FIRE FRAP)
- Numerous other policy documents.

Urban Forests as Adaptation

- PRC Definition: "Urban forestry" means the cultivation and management of native or introduced trees and related vegetation in urban areas for their present and potential contribution to the economic, physiological, sociological, and ecological well-being of urban society.
- Reduce urban heat islands Tree Canopy Cover
- Stormwater decrease impervious surfaces while creating better planting sites.

 Improve public health by creating shady places to recreate and improved mental health.

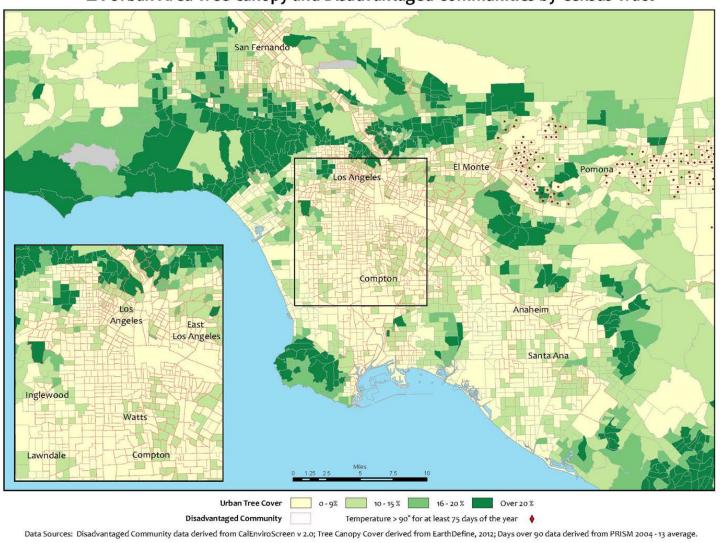




Tree Canopy Trends and Themes

Disadvantaged Communities – the most vulnerable

LA Urban Area Tree Canopy and Disadvantaged Communities by Census Tract

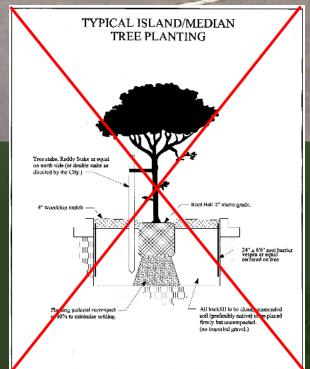


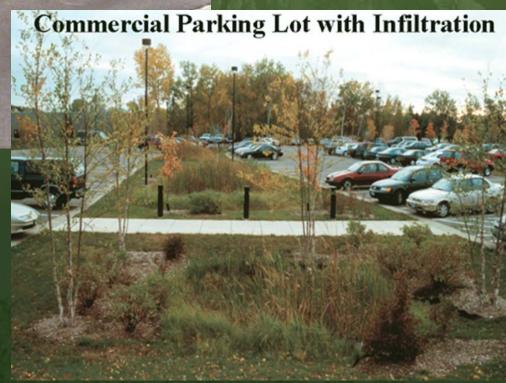
Project Examples

















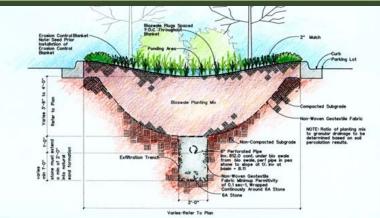






Using all the tools in the toolbox







The Devil Is In The Details

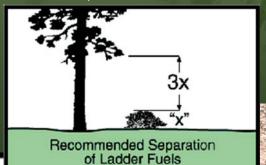


The New Normal - Fire Considerations

- Species selection
 - Evergreen vs. deciduous
- Spacing of trees and shrubs
 - Vertical and horizontal continuity
- 1, 10, 100, 1000 hour fuels
- Ground cover?

Maintenance, Maintenance, Maintenance

NO GUARANTEES









Websites

- www.fire.ca.gov/resource_mgt/resource_mgt_urbanforestry.php
- http://frap.cdf.ca.gov/assessment2010/3.2_urban_forestry.html
- http://www.climatechange.ca.gov/adaptation/index.html
- www.ufei.org
- http://www.fs.fed.us/psw/programs/uesd/uep/
- www.californiareleaf.org
- www.caufc.org
- www.wcisa.net
- www.treelink.org
- www.arborday.org
- www.treesaregood.com
- www.urbanforestmap.org
- www.ufmptoolkit.com
- http://depts.washington.edu/hhwb
- http://lhhl.illinois.edu/index.htm
- http://eetd.lbl.gov/HeatIsland
- www.itreetools.org



Thank You!

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