

<p style="text-align: center;"><b>The Tree Project</b>  <b>Integrated Urban Environmental Improvement Project Through Tree Selection and</b>  <b>General Tree Planting Programs-Research Summary</b></p>				
<b>Tree Study Information</b>				
<b>Project/Study Name</b>	<b>Organization</b>	<b>Location</b>	<b>Goals</b>	<b>Details</b>
<b>Tree Planting</b>				
Sacramento Shade	Sacramento Tree Foundation	Sacramento, CA	Goals of the STF are to create the best urban forest possible for the Sacramento region. Through its programs, STF aims to increase tree cover for energy use reduction. However, resulting benefits include reduction of ambient air temperatures and air pollution, particularly Nitrogen Oxide (NOx), and improved water quality.	Sacramento Shade partners with local utility, SMUD, to offer free shade trees to residents to plant. STF and SMUD also sponsor Community Shade to plant trees at schools, parks and along the sides of streets on private or city property. Since 1990, more than 350,000 trees have been planted. The Sacramento Urban Forest Ecosystem Study analyzed all the benefits of Sacramento's trees: energy savings, air pollution update, and carbon reduction, plus benefits for health, wildlife, and property. Data focused on air conditioning saved in dollars and GWh, as well as NOx update by trees in Sacramento County.
Regional Urban Forest Strategy (Regional Plan)	Sacramento Tree Foundation	Sacramento, CA	NASA and Lawrence Berkeley National Labs offer evidence that if we could double our tree canopy, we could reduce daytime high temperatures by 3 degrees F and ozone (smog) levels by 7%, saving 157 GWh of electricity in the process.	The STF is asking all Sacramento region cities and counties to write and then adopt an Urban Forest Plan in the next 40 years, containing goals such as planting and maintenance; community education; legislation; and assessment, which work together to increase the urban forest canopy to cover 35% of the area. Thus each city and county would adopt its own plan, jointly adopt a Regional Forest Strategy, and create a Tree Compact in the six-county Sacramento area.
Houston Green	Gulf Coast Institute	Houston, TX	Houston Green is a project to perform an Urban Ecological Analysis (UEA) for the Houston Gulf Coast region. Study purpose is to determine and explain the benefits that trees provide to a community.	Houston Green is managed by a coalition of regional government, business, and nonprofit organizations in partnership with American Forests. It used CITYgreen with data from 20 plots to analyze economic and environmental benefits (final report not found on web?)
Trees for Tucson (A Cool community)	Tucson Clean & Beautiful	Tucson, AZ	Encourage desert-adapted tree planting in Tucson metro area such as mesquite and desert willow to beautify the community, conserve energy by shading buildings, provide wildlife habitat, absorb pollutants, and control erosion and wind.	Tucson Clean & Beautiful is a non-profit dedicated to increasing Arizona trees. Residents receive free trees for their homes (7,500 trees distributed).
Cool Communities	National (Utah Office of Energy Services and Tree Utah)	Salt Lake City, UT (initiated, now nationwide)	To reduce peak-load electrical consumption, mitigate the development of Urban Heat Islands, and directly improve air quality.	Led by American Forests, the collaborative federal (DOE and EPA), state, and local program is designed to implement practical strategies, using reflective ("cool") construction materials for streets and buildings, and strategically planted, drought-tolerant trees, shrubs, and ground cover that evaporates cool water vapor into the air while directly shading and protecting buildings, streets, and parking lots.

Management				
Relevance to IES	Contacts	Website	Limitations/ Gaps	Notes
Increasing the number of trees to reduce air conditioning (energy) usage.	Call (916) 924-8733 or email <a href="mailto:stateofthetrees@sactree.com">stateofthetrees@sactree.com</a>	<a href="http://www.sactree.com">www.sactree.com</a>		CD-Rom mailer to increase awareness. STF used NASA to record Sacramento region surface and ambient air temperatures. This can be used to locate potential planting sites and in developing a long-term tree management plan. Stresses the importance of an urban forest management plan.
Similar Climate Goals (reduction of energy, smog, and temperature)				Rather than count trees, measure tree cover (forest canopy). STF hosted six workshops in six counties to get feedback and organize plans; uses Americorps and Boy/Girl Scout volunteers; recognizes sponsors and volunteers on websites; and published "tree awards."
Similar goals, computer modeling again	Managing Partner is Treescape.	<a href="http://www.gulfcoastinstitute.org/houstongreen/">http://www.gulfcoastinstitute.org/houstongreen/</a>		
Similar Goals. Maintains partnership with Tucson Electric Power Company for tree projects and receives grant money from citizens and corporations.		<a href="http://www.ci.tucson.az.us/tcb/tcbtothp.htm">http://www.ci.tucson.az.us/tcb/tcbtothp.htm</a>		Trees for schools, neighborhoods, and community programs, in cooperation with, and sponsored by, City of Tucson, Pima County, corporate sponsors, grants, memberships, and donations.
Wider range of goals. However, Utah has similar climates and has had success planting drought-tolerant trees.	Call Denise Beaudoin, (801) 538-4798.			

Neighborhood Trees	Friends of Trees & Portland State University	Portland, OR	Friends of Trees is a nonprofit organization supported by businesses, foundations, public agencies, and individuals. Friends of Trees helps to build stronger communities and restore the area's urban forest; it's also involved in education and outreach.	A Portland State University study showed that while most urban areas in the U.S. have lost trees in the past three decades, Portland tree coverage has increased from 25.1 to 26.3 percent. The greatest increase in canopy occurred in neighborhoods where Friends of Trees has planted trees. Study co-author Joe Poracsky, said, "The study would strongly support the idea that Friends of Trees is having an impact." Through volunteer help, Friends of Trees plants street trees and neighborhood trees, or offers trees and shrubs at low or no cost to residents willing to plant them.
Metro-Greening Program	TreeUtah	Salt Lake City, UT (initiated, now nationwide)	To educate local businesses/residents on how urban tree planting can reduce commercial/residential cooling and heating costs, diminish urban Heat Island Effect, counteract air pollution, lower crime rates, stem erosion, increase water retention, attenuate human stress levels, provide wildlife habitat, and build citizen investment in home, neighborhood, community, and state.	Aside from education, the group sponsors and conducts urban tree planting projects throughout the state. Metro-Greening is still in the planning stages, according to the organization website.
Denver Digs Trees	The Park People	Denver, CO	The Park People is a private non-profit organization that preserves, enhances, and advocates for Denver's parks, recreation resources, and urban forest.	Does smaller scale planting to beautify neighborhoods. With local businesses/utilities sponsorship, planting takes place in two days, with 300 volunteers, 1,000 residents, and 2,800 trees in Denver Parks & Recreation Department. Sponsors are Denver Water, The Home Depot Foundation, Colorado State Bank and Trust, Colorado Garden Show, Xcel Energy Foundation, and Wild Oats Marketplaces.
Trees Forever	Trees Forever Community Forestry Program	Marion, Iowa	The Trees Forever mission is to plant and care for trees and the environment by empowering people, building community, and promoting stewardship. Trees Forever programs seek to address improving water quality, caring for community forests, restoring and beautifying roadsides, and working with diverse audiences.	The last 15 years, Trees Forever has involved 650 communities in all 99 counties; conducted 1,000+ plantings on school grounds; presented 3,540 educational seminars; coordinated 219 roadside enhancement projects, some with national recognition; facilitated visioning processes (landscape planning) in 89 small towns; channeled \$10+ million in project funds and services to volunteers; engaged 140,000 volunteers; and helped private landowners plant 117 miles of streamside buffers Through utility sponsorships and collaborative partnerships, Trees Forever assists community volunteers with matching grants and on-site help with planting.
Colorado Tree Coalition -Numerous Projects	Colorado Tree Coalition	Fort Collins, CO	Overall goal is to preserve, protect, and enhance the community forests of Colorado.	Sponsors tree programs through grants/partnerships, including tree planting, disaster relief funding for tree planting, and the Boulder Tree Tour. The Colorado Tree Coalition grant program has funded planting new trees, maintaining trees, and highlighting media-related tree projects in communities around the state in the past. In 2005, in addition to U.S. Forest Service and Colorado State Forest Service sponsored projects, supplemental tree planting money was provided to seven projects around the State, funded by Plant-It 2020 and Xcel Energy.

<p>Strategic Plan: 1) Plant trees in neighborhoods that make the most difference in terms of canopy, stormwater runoff, wildlife, and biodiversity. 2) Plant right tree in right place. 3) Volunteers are the backbone. 4) Educate on the urban forest value.</p>	<p><a href="http://www.friendsoftrees.org/about/index.php">http://www.friendsoftrees.org/about/index.php</a> Kylie Nero, Neighborhood Trees Specialist (503) 282-8846 x25 kylien@friendsoftrees.org Scott Fogarty, Exec. Dir. (503) 282-8846 x14 scottf@friendsoftrees.org</p>	<p>Strength is in fundraising and significant neighborhood tree planting. Also has database with tree/plant lists.</p>	<p>Works with Portland State to measure tree canopy cover, and possibly use of computer modeling for CO2 benefits, but not very developed.</p>	<p>Portland State University Work in Progress: "Contribution of Street Trees to Urban Forest Canopy" Example of brochure: <a href="http://www.friendsoftrees.org/pdfImages/StrategicPlan2004-08.pdf">http://www.friendsoftrees.org/pdfImages/StrategicPlan2004-08.pdf</a></p>
	<p>Jennifer Atwood at (801) 364-2122</p>	<p><a href="http://www.treeutah.org/programs.htm">http://www.treeutah.org/programs.htm</a></p>		<p>The program is funded entirely through grants from the Home Depot Foundation, Willard L. Eccles Charitable Foundation, USDA Forest Service Urban Resources Partnership Program, and The Wild Oats Foundation.</p>
<p>Similar sponsors</p>	<p>The Park People: Eugene Field House 715 Franklin St. Denver, CO 80209 303-722-6262</p>	<p><a href="http://www.theparkpeople.org/denver_digs_trees.htm">http://www.theparkpeople.org/denver_digs_trees.htm</a></p>		
	<p>Shannon Ramsay, founding president and CEO, <a href="mailto:sramsay@treesforever.org">sramsay@treesforever.org</a>; Carole Teator, project development director, <a href="mailto:cteator@treesforever.org">cteator@treesforever.org</a></p>	<p><a href="http://www.treesforever.org/index.asp?ID=2083">http://www.treesforever.org/index.asp?ID=2083</a></p>	<p>lack of study</p>	<p>"Living Roadways" project targets roadside planting. Uses "teaming organizations" to accomplish goals. Also has held workshops, which may help IES in planning.</p>
	<p>Colorado Tree Coalition, P.O. Box 270968, Fort Collins, Colorado, 80527-0968</p>	<p><a href="http://www.coloradotrees.org/">http://www.coloradotrees.org/</a></p>		<p>Partnerships include CO State Forest Service, USDA Forest Service, Plant-It 2020, International Society of Arboriculture; Rocky Mountain Chapter, National Arbor Day Foundation, Xcel Energy, and Trees Across Colorado.</p>

Dollar-Per-Tree Program	Plant-It 2020	Highlands Ranch, CO	Plant-It 2020 is a non-profit foundation dedicated to properly planting, maintaining, and protecting as many indigenous trees as possible worldwide.	The 'dollar-per-tree' program allows for every US dollar contributed to be directed towards planting an indigenous tree-seedling. The foundation works with schools, businesses, organizations, municipalities, and individuals to coordinate tree-planting events in the U.S. and abroad.
Global Re-Leaf	American Forests	U.S. and International	To improve the local and global environment by planting and caring for trees.	In Oct. 2002, American Forests reached its goal, planting 20 million trees in more than 500 projects across the U.S. and abroad. It has two types of projects: 1) In urban areas, trees are planted through the Global ReLeaf Fund. The program also encourages individuals to plant trees around their homes and businesses or join community groups to plant trees that shade, cool, and beautify their neighborhoods. 2) In less-developed areas, trees are planted in ecosystem restoration projects called Global Re-Leaf Forests. Many of these areas have been damaged by natural or human causes. These trees help clean the air and water, filter polluted runoff, slow global warming and erosion, and provide habitat for wildlife.
T.R.E.E.S	TreePeople	Los Angeles, CA	Created by an unprecedented coalition of government agencies and environmentalists, and it offers the first truly integrated approach to resolving environmental problems. Goals of the project are to reduce fresh water imports to our region by up to 50%; create up to 50,000 jobs; dramatically reduce pollution into Santa Monica and San Pedro Bays; remove the 100-year flood threat on the L.A. River; eliminate "greenwaste" from the waste stream, thereby reducing landfill content by 30%; and significantly improve air quality.	T.R.E.E.S. convened dozens of urban planners, landscape architects, engineers, urban foresters, and public agency staff to produce more sustainable designs for prototypical industrial sites, commercial buildings, schools, apartments, and single-family homes. Together they developed a series of best management practices (BMPs) for industrial sites, commercial buildings, schools, apartments, and single-family homes. The result is a blueprint for an ecologically, socially, and economically sustainable Los Angeles and an implementation plan that proposes public policy and financial strategies that facilitate the widespread use of the BMPs.
American Forests		national	American Forests plants trees where they are most needed. They also provide studies & information on the impacts of the loss of trees on urban areas. For a donation of \$15 or more, they will plant a tree on your behalf and send a gift certificate.	
Dedicated Trees			offers a low-cost program which plants trees on a public environmental restoration project in your country, state or province. They provide gift certificates for the recipient and tree planting packages start at \$30.	
Friends of the Urban Forest			It organizes neighborhood tree plantings in San Francisco, providing useful information for anyone who wants to plant a tree in their yard or in their neighborhood on choosing a tree, choosing a location, and tips for planting.	
Lowcountry Releaf			This is a large list of local urban forest groups that might do tree planting where you live.	

	Michael Thau, Exec. Dir., 303-221-0077 9457 S. University Blvd., Highlands Ranch, CO, 80126 trees@plantit2020.org	<a href="http://www.plantit2020.org/contact.html">http://www.plantit2020.org/contact.html</a>		The organization has planted trees along the Front Range in Broomfield, Eads, Thornton, Greeley, Monte Vista, and Denver.
	Call American Forests at (202) 737-1944 or (202) 955-4500; email: info@amfor.org	<a href="http://www.americanforests.org/global_release/">http://www.americanforests.org/global_release/</a>		Large funding base; offers grants.
It's a multidisciplinary project that involves many different agencies. Very similar.	T.R.E.E.S Project, (818) 623-4884; trees@treepeople.org	<a href="http://www.treepeople.org/trees/overView.htm">http://www.treepeople.org/trees/overView.htm</a>		Use of swales/infiltrators to control/clean stormwater, not just trees.
	<a href="http://www.americanforests.org">www.americanforests.org</a> , 202- 955-4500.			
	<a href="http://www.dedicatedtrees.com">www.dedicatedtrees.com</a> , 1-888-281-3399.			
	<a href="http://www.fuf.net">www.fuf.net</a> . 415-561-6890.			
	<a href="http://www.lpb.org/programs/forest/groups.html">http://www.lpb.org/programs/forest/groups.html</a>			

Trees for Life			Planted more than 30 million fruit trees in developing countries for as little as \$10 a tree; provides gift certificate to acknowledge the trees planted. "Tree of life" adventure kits for individuals and for classrooms, that help with hands-on experience with planting and caring for trees.	
Fort Collins ReLeaf				
National Arbor Day Foundation	National Arbor Day, Arbor Day Farm, Building With Trees, Tree City USA,	National	Goals to build organization of dedicated members who lead and help individual citizens plant and care for trees to enrich the environment; enhance the extent, health, and care of the urban and community forests; advance rural land conservation and forest stewardship through planting and care of trees; help protect and improve the global environment by promoting rain forest preservation, urban and community forestry, and tree planting worldwide; educate and inspire young people and adults to understand, plant, and care for trees to build a better future; expand awareness of the need for tree planting and care by increasing publicity about Arbor Day and the number of people who celebrate Arbor Day; and manage the Arbor Day Farm to support Foundation conferences and education programs, and to serve as a model of environmental stewardship.	We inspire people to plant, nurture, and celebrate trees.  Our Vision We envision a world where trees and forests are abundant, healthy, sustainable, and highly valued by all people. Through mass-media communications, by providing low-cost trees for planting, and by producing high-quality, easy-to-use educational materials, we work to make tree planting and care something in which nearly everyone can be involved. We also create mechanisms through which the average individual can directly support positive tree conservation and education projects. Our constant goal to expand a person's desire to plant a tree into a lifelong enthusiasm for tree planting and care, and for positive involvement in conservation issues relating to trees.
Gardening Launchpad	TreeLinks		TreeLink provides a rich, flexible set of resources in three key areas: information resources; networking and communication resources; and E-commerce and marketing resources. TreeLink targets four specific audiences: nonprofit organizations; land agencies and green industry; academic institutions, and the public.	Information Resources: Links database: more than 2,000 resources organized for easy navigation. The "Resource Center" in partnership with urban forestry research centers. Resource Spotlight: Topic by topic front-page feature. The News Desk, late-breaking news from publications nationwide. Downloadable TreeScapes photo gallery. Archived newsletters. Technical information, including The Journal of Arboriculture, in conjunction with the International Society of Arboriculture. Topical information, including WoodNotes Quarterly. The TreeLink Library of 200 related books. Secure documents (available by password only). Audio streaming. Downloadable CDs, PDFs, and Power Point presentations (developing). Kids Corner, Tree Factoids, and the Ultimate List of Tree Quotes. A list of key lawmakers to inform and update. Networking and Communication Resources. "Who's Who in Your State" and national organizations. Discussion mediums. Urban Natural Resources Network (urbNRnet) Listserv. SMA Listserv (Society for Municipal Arborists). NACT listserv (Natl. Alliance for Community Trees, 52 NGOs). Web-base
Forestry Associations				
National Association of State Foresters	National Association of State Foresters (NASF)	Main office- Washington, D.C. (state offices)	Seeks to discuss, develop, sponsor and promote programs which will advance the practice of sustainable forestry, conservation and protection of forest lands and resources and the establishment and protection of urban forests	Non-profit organization that represents the directors of all 50 State Forestry agencies and 8 U.S. territories.

	www.treesforlife.org, 316-945-6929.			
Right-tree, right-place information, benefits of trees focus, tree guides, planting information, online collection of tree resources, online database-tree guide.		<a href="http://www.arborday.org">www.arborday.org</a>		
Promotes urban forest	Jeff Jahnke, CO State Forest Service, CSU Foothills Campus 1050 Fort Collins, CO 80523 970-491-6303 jjahnke@lamar.colostate.edu	www.stateforesters.org		Monthly newsletter, lists publications and projects for each state.

Community Assistance Programs/Wilderness Stewardship	National Forest Foundation (NFF)	Missoula, MT and Portland, OR	Engages America in community-based and national programs that promote the health and public enjoyment of the National Forest System	Non-profit partner of the U.S. Forest Service, administers gifts of funds and land for the benefits of the National Forests. The NFF is the only organization that focuses on the National Forests and the challenges they face.
Society of American Foresters	Society of American Foresters	National	To "advance the science, education, technology, and practice of forestry; to enhance the competency of its members; to establish professional excellence; and, to use the knowledge, skills, and conservation ethic of the profession to ensure the continued health and use of forest ecosystems and the present and future availability of forest resources to benefit society."	The Society of American Foresters (SAF) is a non-profit organization, and the national scientific and educational organization representing the forestry profession in the United States. Founded in 1900 by Gifford Pinchot, it is the largest professional society for foresters in the world.
For many other state tree planting programs:	<a href="http://www.lpb.org/programs/forest/groups.html">http://www.lpb.org/programs/forest/groups.html</a>			

## The Tree Project: Phase 1 Report

January 2007

### APPENDIX G

#### Background Research-1

Prepared by:

Kristen Gray

Research Associate

Institute for Environmental Solutions

761 Newport Street

Denver, CO 80220-5554

[www.I4ES.org](http://www.I4ES.org)

© 2007 All rights reserved.

Promotes urban forest, stewardship	Portland Office, Mary Vasse, 805 SW Broadway, Suite 2100, Portland, OR 97205. 503-241-0467, mvasse@natlforests.org	www.natlforests.org		
Science, multi-stakeholder, education	Society of American Foresters, 5400 Grosvenor Lane, Bethesda, Maryland 20814-2198, P: 301.897.8720, 866.897.8720; F: 301.897.3690; safweb@safnet.org			SAF members include natural resource professionals in public and private settings, researchers, CEOs, administrators, educators, and students. Publications, books accessible via website