Today
VISION
Tomorrow

The Tree and Shade Master Plan

"An investment strategy for a healthier, more livable and prosperous Phoenix"

http://www.phoenix.gov/parks/parks/urban-forest

This tree will give
$ 201.10
worth of
environmental &
aesthetic benefits
over the next year

It pays to plant trees!
Benefits from this tree this year
Stormwater Runoff Reduction 1,544 gal
Carbon Reduction 342 lbs
Electrical Energy Savings 223 kwh
Property Value Impact $155
Help your trees live a long life.
Larger trees provide more benefits.
FUN PLACES
City of Phoenix
GREAT SPACES
Parks and Recreation

ACHIEVING THE VISION

Section 1
Raise Awareness (Educate)

Section 2
Preserve Protect Increase

Section 3
Sustainable Maintainable Infrastructure

ARIZONA
SUPER BOWL
XLIX
ARIZONA
SUPER BOWL
XLIX
ARIZONA
SUPER BOWL
XLIX

Forestry Projects in Phoenix

Tree and Shade Master Plan

- Urban Forest Resource Analysis
- Urban Tree Canopy Assessment
- Cool Urban Spaces Project
- Southwest Forest Air Quality

Home | myTreeKeeper

www2.daveytreekeeper.com/ufrm/index.html

MyTreeKeeper
PHOENIX, ARIZONA

City of Phoenix

Location: Ex: 106 N 7th St — Search

Overlays
- Gold Medal Trees
- Phoenix Public Trees
- Vacant Sites
- Phoenix Trees

Base Layer
- Google Satellite
- Google Street

Find

TREE BENEFITS
92,810 total trees

Total Yearly Eco Benefits
$7,790,109.84

Greenhouse Gas Benefits
$93,339.67
7,682,644.66 lbs CO_2 avoided
5,355,038.02 lbs CO_2 sequestered

Water Benefits
$258,582.62
53,871,379.30 gallons saved

Energy Benefits
$887,825.62
8,644,241.32 kWh saved
57,361.19 Therms saved

Air Quality Benefits
$457,075.66
56,660.51 lbs pollutants saved

Property Benefits
$6,093,286.27
8,667,270.33 leaf surface area

The info tool lets you click on a tree for information.

Map data ©2014 Google

Report a map error

myTreeKeeper was built in cooperation with

Tree Benefit information

DAVEY

Ash, Arizona at 6501 N 7TH ST

Species | Site

Species

No photos available for this site

Species	Fraxinus velutina ash, Arizona
Multiple Trunks	Yes
DBH 1	15
DBH 2	8
DBH 3	0
Height	30

TREE BENEFITS

Total Yearly Eco Benefits

$192.89

Greenhouse Gas Benefits

$3.17
448.70 lbs saved

Water Benefits

$11.39
2,372.71 gallons saved

Energy Benefits

$36.58
289.04 kWh saved

Air Quality Benefits

$17.68
2.58 lbs saved

Property Benefits

$124.06
263.00 leaf surface area

SHARE

Tree Benefit descriptions originally published in the USDA Forest Service's Center for Urban Forest Research Tree Guide series.

Urban Tree Canopy Assessment

Citywide Land Cover

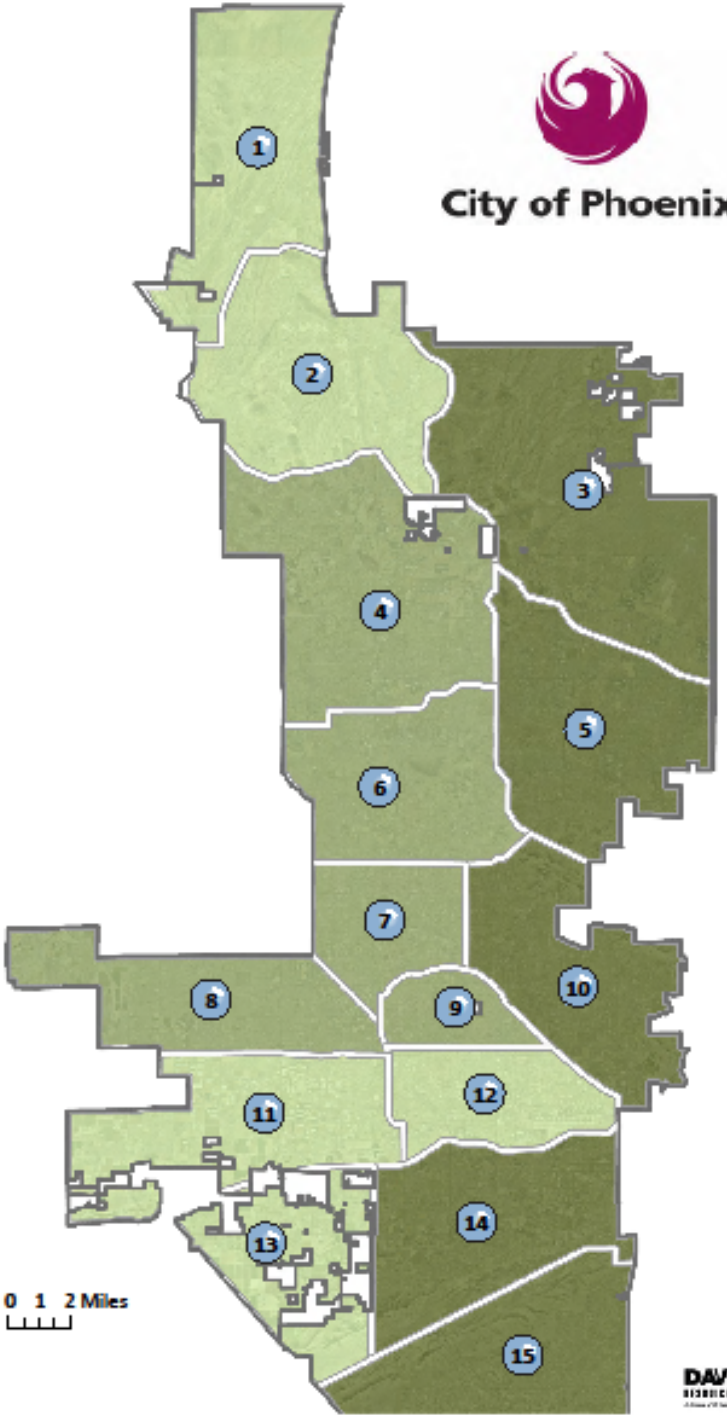
	Points	Percent Cover	Maximum Percent	Minimum Percent	Acres	Maximum Acres	Minimum Acres	95% CI (+/-)	95% CI (+/- Acres)
Tree	968	**12.1%**	12.8%	11.4%	**40,162**	42,534	37,790	0.7%	2,372
Hardscape	3271	**40.9%**	42.0%	39.8%	**135,713**	139,289	132,137	1.1%	3,576
Permeable	3694	**46.2%**	47.3%	45.1%	**153,263**	156,889	149,637	1.1%	3,626
Water	64	**0.8%**	1.0%	0.6%	**2,655**	3,303	2,007	0.2%	648
Unreadable	3	**0.0%**	0.1%	0.0%	**124**	265	0	0.0%	141
Total	**8,000**	**100%**			**331,918**				

Phoenix, Arizona ~ Tree Canopy Cover

Tree canopy cover is a measure of all public and privately-owned trees and woody shrubs in Phoenix. As trees mature, their canopy increases. Large trees have the greatest canopy. Tree canopy provides vital benefits to the community, including improvements to air quality, reduced energy use, management and reduction of stormwater runoff, increases to property values and improvements to aesthetics, socio-economics, and public health.

The City of Phoenix recognizes the benefits of trees and the value of urban tree canopy. As a Tree City USA for 29 years and with 19 years of growth awards for new and innovative urban forestry activities, the City has made a commitment to protect and manage the community's tree resource. As a part of this commitment, the City has established a goal of reaching 25% canopy cover by 2030. Currently, the overall average tree canopy cover is 12.4%, approximately 49.6% attainment of the goal. The City is divided into 15 planning villages. This map illustrates the amount of canopy cover in each village. For additional details, use your mouse to hover over a village.

For more information about trees and canopy cover, please see the **2010 Tree and Shade Master Plan.**



City of Phoenix Planning Villages

1 - Rio Vista
2 - North Gateway
3 - Desert View
4 - Deer Valley
5 - Paradise Valley
6 - North Mountain
7 - Alhambra
8 - Maryvale
9 - Encanto
10 - Camelback East
11 - Estrella
12 - Central City
13 - Laveen
14 - South Mountain
15 - Ahwatukee Foothills

Cool Urban Spaces Project

- Urban form and the arrangement/type of trees impact cooling benefits.
- At the neighborhood scale:
  - Cool roofs provide a daytime cooling benefit of 0.5°F (0.3°C).
  - An increase in tree canopy cover to 25% will result in daytime cooling of 4.3°F (2.4°C).

Middel etal.

ONE WAY
AIR CONDITIONING SYSTEM
Trees help clean our air and cool the environment.
DesertCanopy.org

HIGH EFFICIENCY AIR FILTER
Trees help clean our air and cool the environment
DesertCanopy.org
Produced in cooperation with the USDA Forest Service, which is an equal opportunity service provider and employer
City of Phoenix
For Official Use Only
830072
www.phoenix.gov/GARBAGE
Cu blender
2015/02/12

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Preserve Protect Increase

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Sustainable Maintainable Infrastructure

Sustainable Design Concepts

Citywide departmental communication.

Continued maintenance training and acceptance of BMP’s citywide.

Education and outreach coordination for new capital and development projects.

Review Zoning and Development standards.

Ordinance and city code review and enforcement.

Sustainable Design Concepts

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Tree and Landscape Ordinances

Neighborhood Services, Street Transportation, Parks and Recreation, Public Works, Planning, Zoning and Historic Preservation.

8	Historic Preservation.
23-32	Encroachment of trees, shrubs or bushes prohibited.
24-37	Vandalism in a City Park.
27-13	Unobstructed passage in streets and alleys.
27-16	Responsibility for streets, alleys, and sidewalks.
31-10	Removal of debris, rubbish, weeds, overgrown or dead vegetation and other unhealthy or unsafe conditions on streets, alleys and sidewalks.
31-13	Obstructing visibility at intersections.
39-7	Exterior premises and vacant land.
34	Trees and vegetation.

Information and Education

Public relations

Communication

Partnerships

Education

Informed citizens
and
policy makers

http://www.phoenix.gov/parks/parks/urban-forest

Information and Education

2030 Shade Phoenix

Sustainable Horticulture and Arboriculture for a Designed Environment

Growing a Healthier, More Livable and Prosperous Phoenix

In recognition of the significant environment, economic, aesthetic and human health benefits of trees for our citizens, and to help increase the amount of shade for Phoenix, the city has established a number of policies and procedures to assist citizens, developers, and organizations to work together for the sustainable development our Urban Forest Resource.

While this information can be located throughout the city code, we have designed this page as a central resource for all tree and vegetation related information for the city of Phoenix. If you are interested in local tree species lists, canopy coverage maps, tree benefit data, planting/pruning resources, site development standards, water conservation information, Rights of Way pruning and removals, then this is the place. Below is a listing of city departments and associated information. If you are unsure where to begin, please refer to the list of FAQ's to help you get started. If you have further questions, please contact the respective department for additional information.

DRAFT

FAQ's

General

- Trees and Vegetation Chapter 34
- Cutting Trees and Bushes 34-15
- Airborne pollens 39.9

Parks and Recreation

- Vandalism in a City Park 24-17
- Urban Forestry
  - Species lists

Questions?

Thanks
for your
Attention!

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