

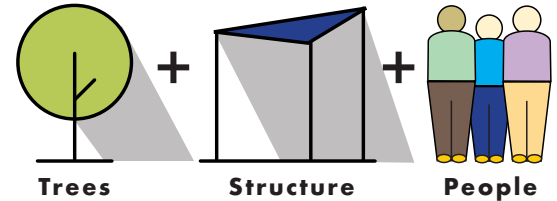


SCOTTSDALE SHADE & TREE PLAN

BUILDING A HEALTHIER, MORE LIVABLE COMMUNITY THROUGH STRATEGIC INVESTMENT IN MAINTENANCE AND GROWTH OF THE URBAN FOREST AND ENGINEERED SHADE WITH A FOCUS ON WATER CONSERVATION PRACTICES

The Project

The Scottsdale Shade & Tree Plan will cultivate a cooler, more vibrant cityscape, enriching the lives of residents and visitors alike through a strategic focus on urban structured shade and urban forestry. Inspired by a collective vision, this initiative aims to mitigate heat, enhance the urban canopy and promote environmental resilience, fostering a healthier, more livable city for generations to come.



Grown

Opportunities

- Capture Water
- Cooling effect
- Micro climates
- Carbon sequestration
- Capture pollutants
- Increased property value
- Ecosystem Support

Constraints

- Continued Maintenance
- Changes with season
- Higher water use
- May not work in all places



Structured

Opportunities

- Great for difficult locations
- Larger scales
- Horizontal vs Vertical Shade
- Solar capabilities
- High level of reflectivity is key
- Fully customizable
- Capture and redirect water

Constraints

- Spot location cooling only
- Higher environmental footprint
- Decreases only surface temp
- Higher Maintenance Costs
- Higher Costs to install

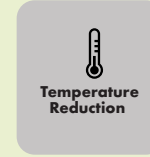
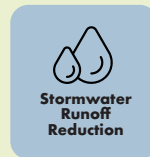
Project Background

The Shade & Tree Plan recognizes the pivotal role that trees and shade play in mitigating urban heat, improving air quality, and fostering a sense of place and well-being within the community.

With an eye towards sustainability and long-term vitality, this plan not only addresses the need for more shade but also acknowledges the tangible benefits it brings to public health, energy conservation, and economic prosperity. By strategically place shade structures, planting/preserving trees, and utilizing stormwater, Scottsdale can create cooler, more inviting urban environments, reduce energy needs, and enhance property values, all while fostering a stronger sense of environmental stewardship among its residents.

Through collaborative efforts between city officials, residents, businesses and other stakeholders, the Scottsdale Shade & Tree Plan aims to cultivate a greener, healthier, and more vibrant city for generations to come. By harnessing the power of shade and trees, Scottsdale can create a more sustainable and resilient urban landscape that embodies the values of environmental stewardship, community engagement, and quality of life for all.

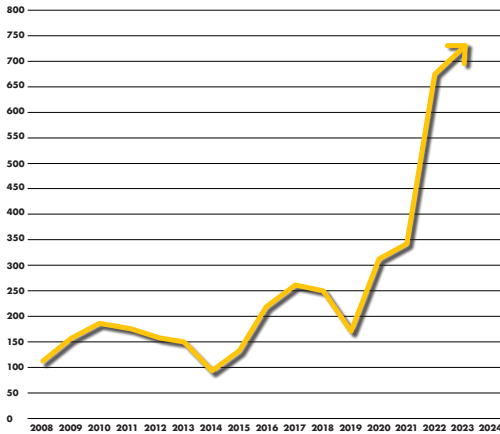
Benefits of Tree Shade annual



Benefits of Structure Shade annual



Heat Related Deaths Arizona



DRAFT GOALS

- 1 Increase Comfort & Shade (Trees & Structures)
- 2 Reduce Urban Heat Island Effect & Increase Urban Cooling
- 3 Create Public and Private Connections and Relationships
- 4 Long-term Shade Canopy Health
- 5 Green Stormwater Collection
- 6 Create Cool Temperature Hubs
- 7 Ensure Accessibility & Education
- 8 Continued Long-Range Processes



1) LAUNCH



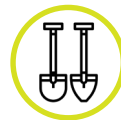
Feb - April

3) INPUT



March - Nov

5) CULTIVATE



July - Sept



2) GATHER

Feb - May



4) EXPLORE

May - July



6) REALIZE

Sept - Nov