



Growing Shade Equity in the Desert



PRESENTED BY:

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TUCSON MILLION TREES MAYOR

Regima Ros

CITY OF

TUCSON

AGENDA

Trees in the desert

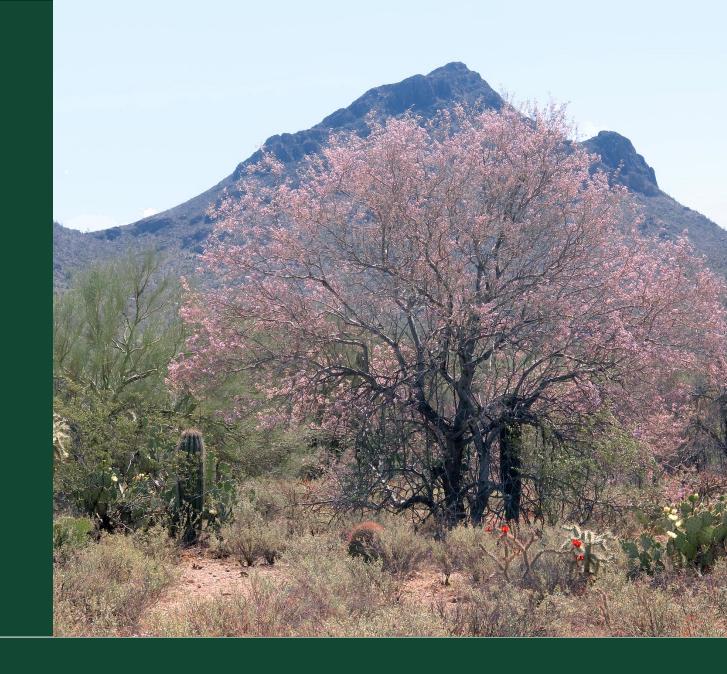
Where we are...

Where we are going.

Starting a new urban forestry program. Growing the next urban forest.



What is a tree in the desert?

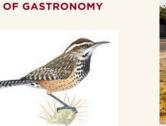








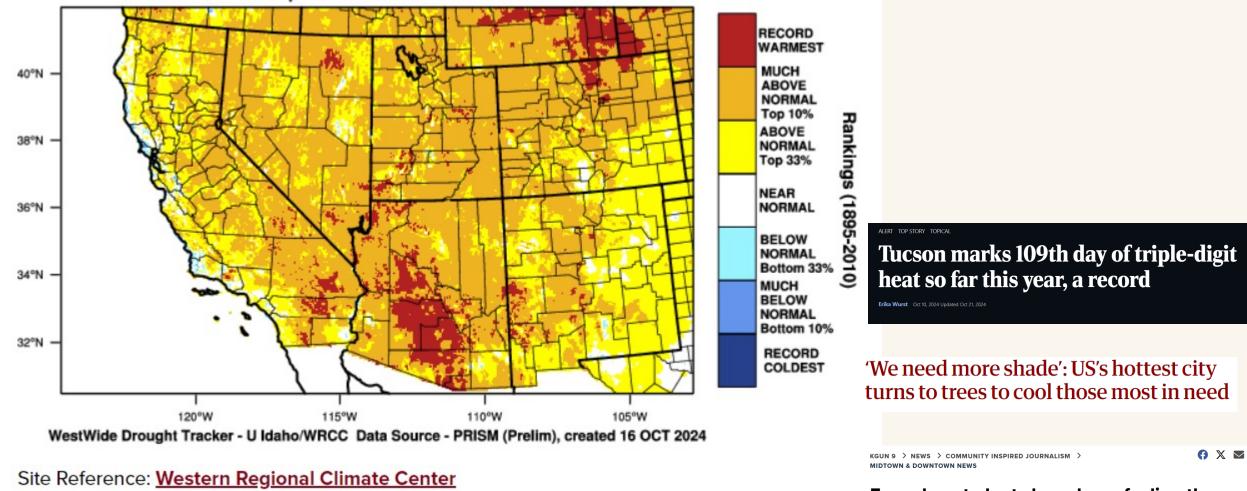






Southwest - Mean Temperature

September 2024 Percentile



Even desert plants have been feeling the record heat



Where we are -

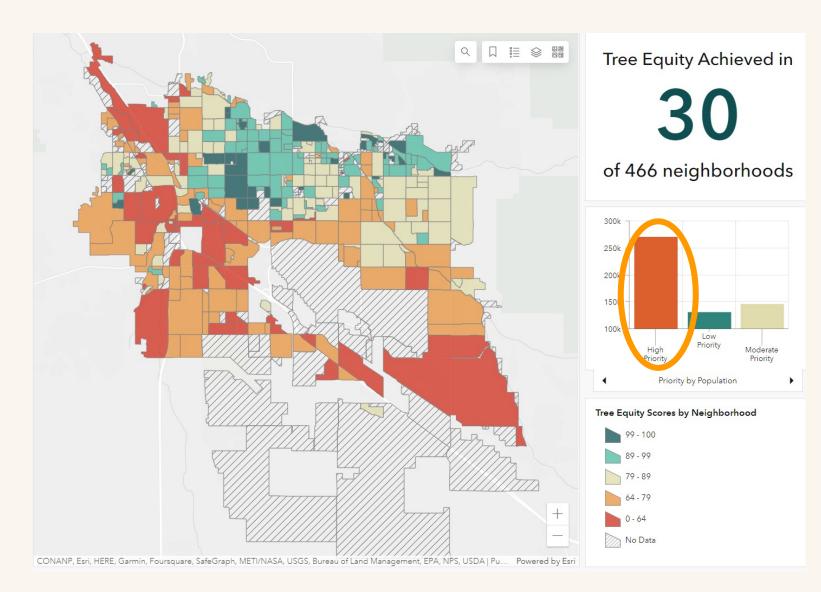
Planting the first urban forestry seed





Tree Equity

Most city residents live in our high priority areas





So what is a tree in the desert?

Urban Forestry + Climate Action













Major funding provided by the Arizona Department of Forestry and Fire Management's Urban and Community Forestry Program and USDA Forest Service. These institutions are equal opportunity providers.

Community Forest Action Plan

- Stakeholder working group
- Partner funding
- Guiding plan and principals
- Education and outreach materials
- Species list
- COT Tree Best Practices and Standards
- Code updates
- Procurement updates
- Internal next steps





Regina Romero, City of Tucson Mayor Fátima Luna, Climate and Sustainability Advisor, Office of Tucson Mayor Regina Romero Nicole Gillett, Tucson Urban Forestry Program Manager

Community Forest Action Plan Working Group members and City of Tucson Landscape Advisory Committee members (at right)



Katie Gannon, Executive Director, Tucson Clean & Beautiful, Inc./Trees for Tucson Ann Audrey, Forest Action Plan Contractor, Tucson Clean & Beautiful, Inc. Staff and Volunteers, Tucson Clean & Beautiful, Inc.



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Tucson Community Forest Action Plan Outreach Working Group

- Antonio Ramirez, Communications Director, Ward 1 Council member Lane Santa Cruz
- Meg Johnson, Garden District Neighborhood Association and Alvernon/Grant Initiative
- Oscar Medina, Director, Prescott College Tucson Center
- Erick Meza, Sierra Club Borderlands program
- · Nelda Liliana Ruiz Calles, Community Organizer with Regeneración
- LoriAnne Barnett Warren, Program Manager, Urban and Community Forestry, Arizona Department of Forestry and Fire Management

Tucson Community Forest Action Plan Standards Working Group

- · Katie Bolger, Chief of Staff, Ward 3 Councilmember Kevin Dahl
- · Ursula Schuch, Ph.D., School of Plant Sciences, University of Arizona
- Deborah Munoz-Chacon, Owner, Sonoran Oasis Landscaping
- Oscar Medina, Director, Prescott College Tucson Center
- Cori Dolan, Arizona Department of Forestry and Fire Management's Urban and Community Forestry Program

City of Tucson Landscape Advisory Committee

- Ron van Ommeren, Chairperson, Ecologist/Wildlife Habitat Specialist, Westland Resources
- · Darbi Davis, Vice-Chairperson, Neighborhood Representative, Red Bark Design
- Nichole Casebeer, Other Representative, Tucson Clean & Beautiful
- Rebeca Field, Landscape Architect, Kimley-Horn: Planning and Design Engineering
- · Alison Meadow, Urban Planner/Architect, UA-Arizona Institutes for Resilience
- Jennifer Moscato, Neighborhood Representative, Wheat Design Group
- Flor Sandoval, Water Conservation Specialist, Sonoran Environmental Research Institute
- Kasy Schug, Horticulturist/Arborist, Tucson Electric Power
- Nick Shipley, Business Community, Civano Wholesale Nursery
- Committee Coordinator, Irene Ogata, Urban Landscape Manager, Tucson Water, Conservation and Stormwater Resource

Additional thanks

Thanks to the City of Tucson staff and to community members who contributed their valuable time to assist this process, provide guidance and review the draft Tucson Community Forest Action Plan.



Action 5. Grow healthy trees using best practices





Roots of tree planted next to a curb cut basin grow to access soil moisture under the basin

TOP

ABOVE

BASIN





Palo Fierro (Olneya tesota) en un parque



Uña de gato (Senegalia greggii) en un espacio de reunión



Sauce del desierto (Chilopsis linearis) en un estacionamiento



Ebano (Ebnopsis ebano) en un edificio escolar

Elija entre una rica paleta de árboles resistentes al clima y especies del sotobosque para dar sombra y refrescar Tucson durante años.

Tarea 6.1 Plantar una variedad de árboles resistentes al clima y plantas del sotobosque para maximizar la sombra, la frescura, la belleza y otros beneficios

Zonas de plantación sugeridas

- ✓ Edificios residenciales (unifamiliares, plurifamiliares)
- ✓ Edificios no residenciales
- ~ Centros escolares
- ✓ Parques y otros espacios públicos
- ✓ Zonas de plantación de corredores de transporte
- ✓ Estacionamientos

Dónde no plantar

Bajo cables aéreos

Características de los árboles de bajo consumo

de agua

- Nativo de los desiertos de Sonora y Chihuahua
- Tolerante al sol, al calor y a la seguía
- Grandes y amplias copas
- Formas de tronco múltiple y tronco único
- Larga vida, de 100 a 1000 años
- Apoyan a los polinizadores urbanos y a la fauna silvestre

Necesidades de agua

- Bajo consumo de agua
- Proporcione riego de establecimiento
- Para un crecimiento y una sombra máximos, proporcione aguas pluviales y de recolección



TERRACE

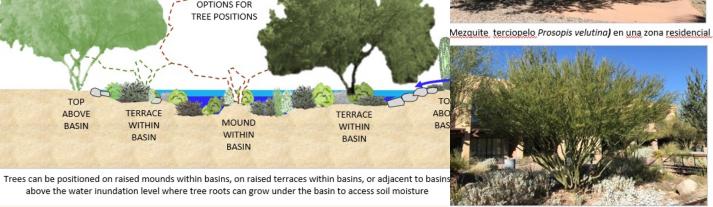
WITHIN

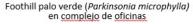
BASIN

MOUND

WITHIN

BASIN







Where we are going -

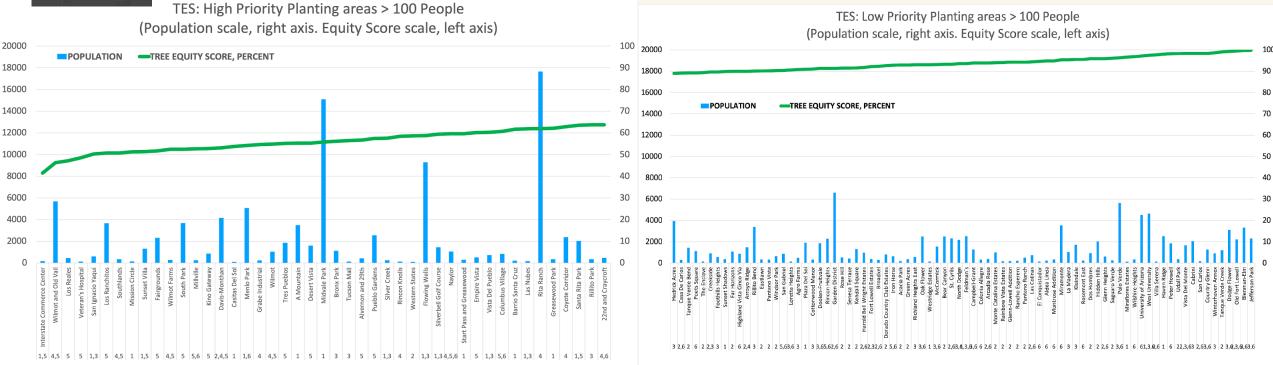
Growing the next generation







HIGH PRIORITY PLANTING AREAS > 100 PEOPLE 95,120 Population 96 Square miles 42% COT land area





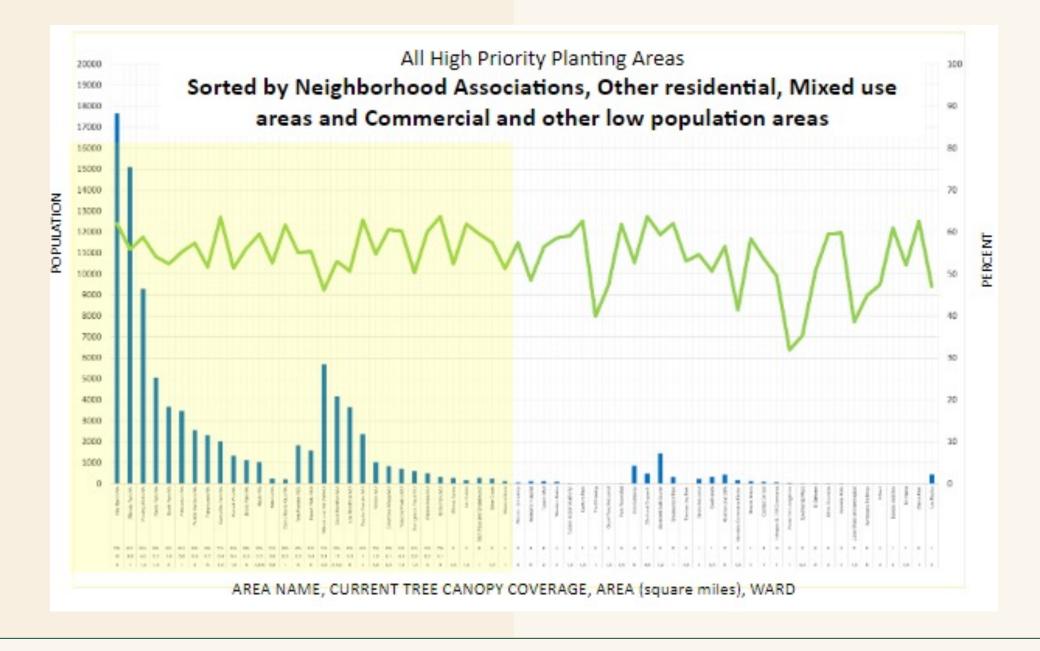
LOW PRIORITY PLANTING AREAS > 100

PEOPLE

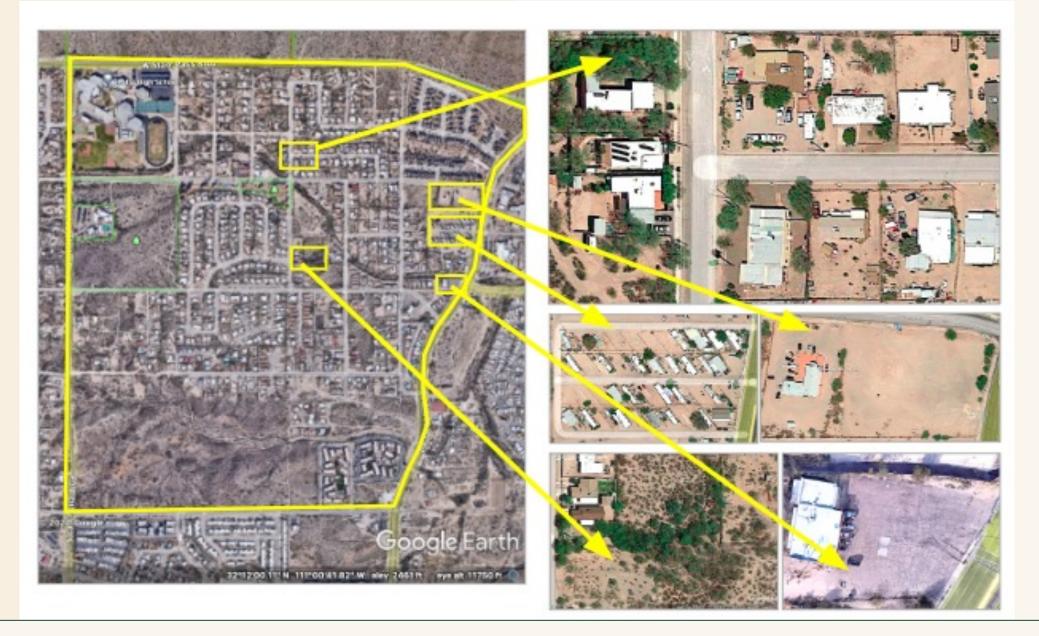
130,816 Population

10% COT land area

24 Square miles









GROW TUCSON



Listen and create

Train and install

Learn and maintain



Thank you.



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