



California Healthy Housing Coalition: 2023 annual meeting



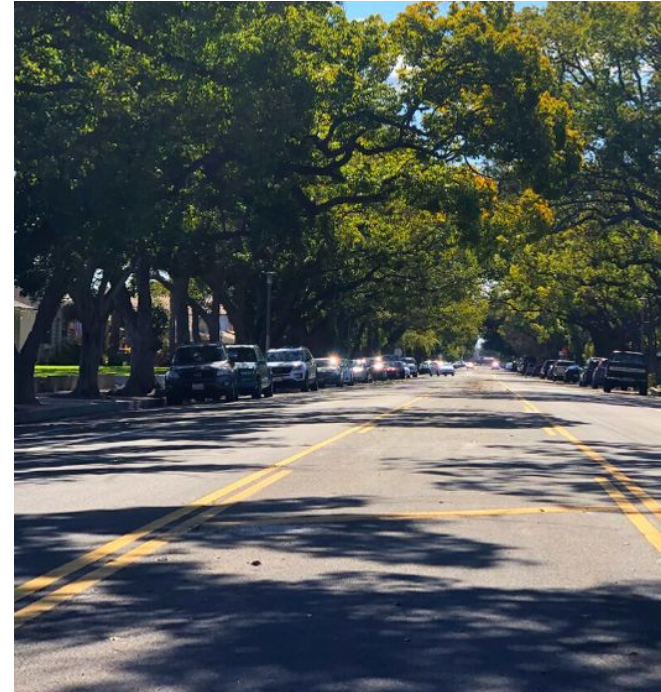
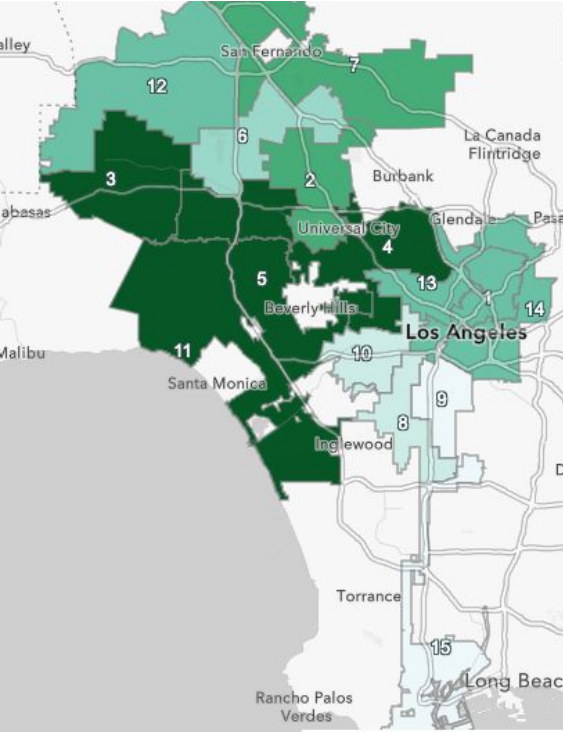


Climate Change and Healthy Housing: **extreme heat**

Ana Tabuena-Ruddy • Assistant Director & Chief Sustainability Officer
Bureau of Street Services (StreetsLA) | City of Los Angeles | 06.16.2023



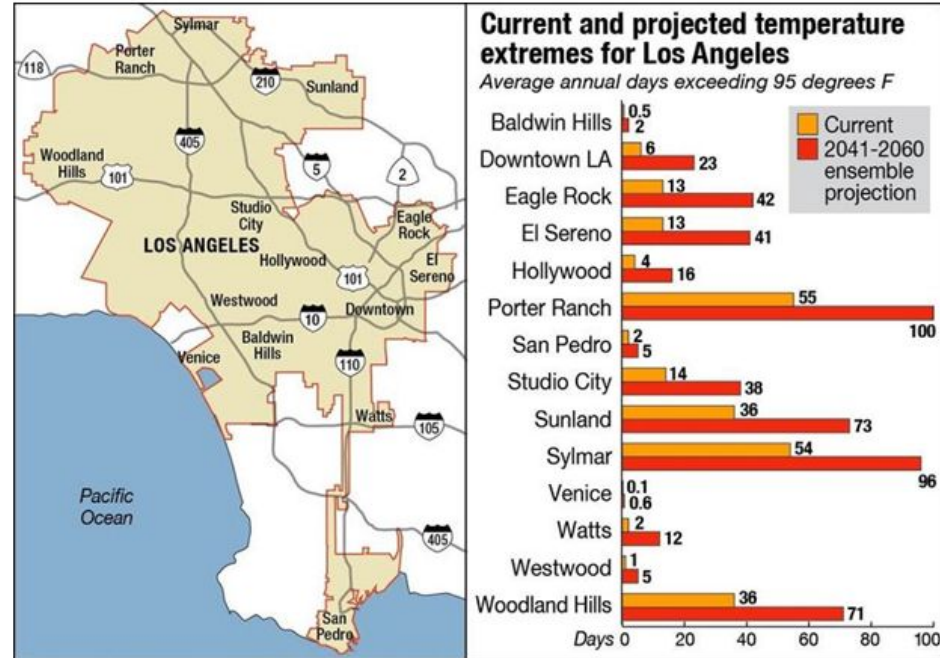
Redlining and Canopy Inequity



Extreme Heat Forecast in L.A.

One of the only US metro areas with heat-related deaths in winter

And L.A. is expected to get hotter!



Source: UCLA LARC study, 2012; chart based on the mean/average projected by the 18 climate models

A map of Los Angeles with a light grey street grid overlaid on a background of green and brownish terrain. The text "StreetsLA" is in black, and "How do we combat Extreme Heat?" is in orange.

StreetsLA

How do we combat Extreme Heat?

- 700,000 trees
 - 23,000 lane miles
 - 3,000 transit shelters
 - \$500 million grant project portfolio
-





StreetsLA's Extreme Heat Toolkit

- Shade Trees
 - Cool Paving
 - Shade Structures
 - One Infrastructure Projects
-



Matrix Selected

30

Neighborhood Councils

Physical & Economic Needs

481

Tracts Results

Environmental Exposure Needs

243

Tracts Results

Socio-Demographic Needs

155

Tracts Results

Shade Trees

Criteria

- Physical and Economic Need Condition
- High Environmental Exposure
- Relevant Socio-Demographic Conditions
- Feasibility and Community Readiness

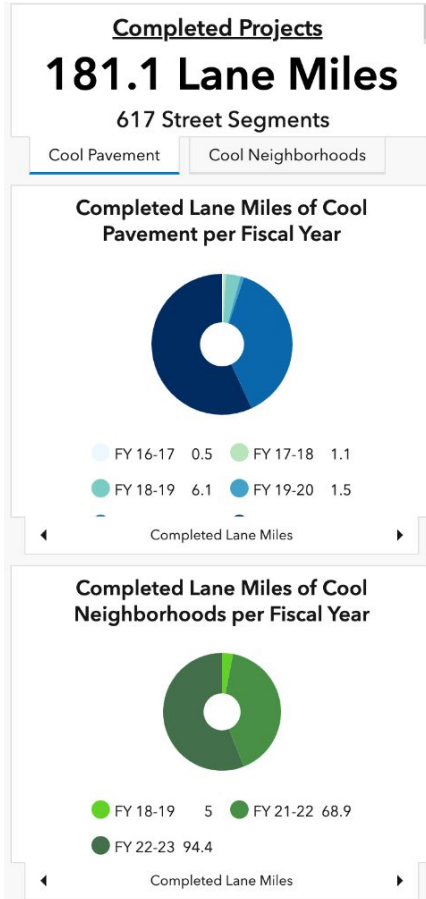
Ongoing Efforts

- Urban Forest Management Plan (UFMP)
 - Urban Forestry Financing Study
 - Urban Forest Permit Fee Study
 - Increased Tree Trimming Cycle
 - Policy Cohesion for Tree Preservation
-

Shade Trees



Cool Paving



Criteria

- Healthy Places Index - Heat Edition
- Heat Islands (smart cities)
- DAC (CalEnviroscreen)
- Canopy (LMU/Tree People)
- Key community assets
- Pavement Condition Index (PCI)

Cool Neighborhoods

- Over 5.5 million square feet installed
- Over 90 lane miles completed
- 325 street segments
- More to come...

Cool Paving



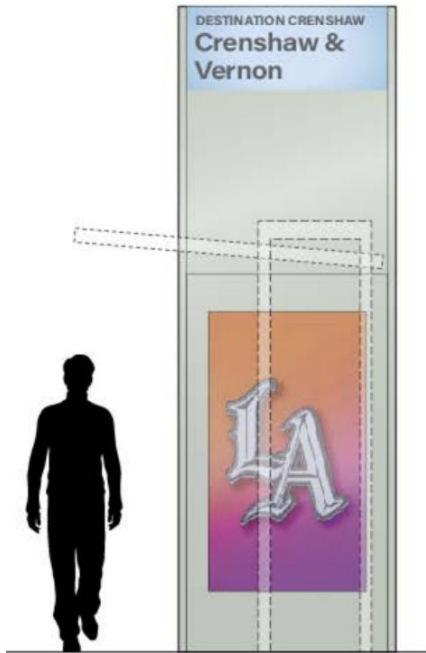
Shade Structures

Criteria

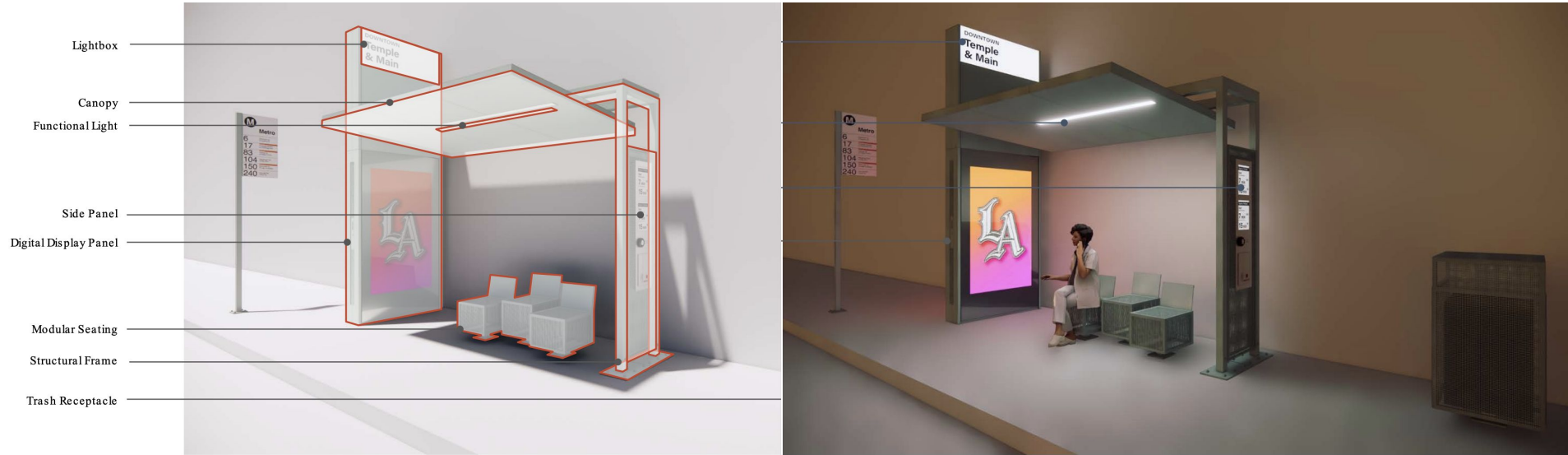
- High transit ridership
- Exposure to heat
- Metro's Equity Focus Communities
- Proximity to Trip Generators, Key Destinations, and Service Facilities
- Long Wait Times

Features

- Canopy
- Modular Seating
- Digital Display Panel
- Lightbox
- Trash Receptacle
- Tech Upgrade Capabilities



Shade Structures



One Infrastructure Projects

Criteria

Accomplishment

GREY INFRASTRUCTURE

BLUE INFRASTRUCTURE

GREEN INFRASTRUCTURE

- Disadvantaged Community Areas (DACs)
 - High Injury Network (HIN)
 - Lack of shade
 - Lack of green space
 - Poor water quality
- Secured \$500 million in active transportation, urban greening, and stormwater capture grants to deliver on the City's Green New Deal in a transformative scale
-

One Infrastructure Projects

EXISTING



PROPOSED





Next Steps

- Cost/Benefit Analysis
 - Prioritization of Heat Adaptation Strategies
 - Identify Funding Sources
-



Thank You!

Ana Tabuena-Ruddy

Assistant Director & Chief Sustainability Officer

<https://streetsla.lacity.org/>

06.16.2023
