



Planting Prioritization

City of Austin | Urban Forestry Program

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planting_prioritization.mxd

This map shows a planting prioritization plan by Census tract boundaries (2010). A total of 31 factors were considered to derive priority areas. Each factor was quantified, standardized, and totaled creating a planting priority score for each Census tract. Scores can range from 0 to 31 with higher scores representing a higher need for tree planting.



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by the Parks and Recreation Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

Table 2: Planting Factors

Category	Planting Factor	Data Set Used in Analysis
Public Health & Safety	• Age dependency ratio (Dependent population / working-age population)	U.S. Census 2010
	• Obesity risk	Travis County Communities Putting Prevention to Work BRFSS Survey
	• Average mortality rate: diabetes	Texas DSHS Center for Health Statistics Death Data 2004-2008
	• Average mortality rate: heart disease	Texas DSHS Center for Health Statistics Death Data 2004-2009
	• Average mortality rate: chronic lower respiratory disease	Texas DSHS Center for Health Statistics Death Data 2004-2010
	• Crime	Crime Incidents 2009-2011
Air Quality	• Average CO emissions	CAMPO Road Emission Projections 2035
	• Average CO2 emissions	CAMPO Road Emission Projections 2035
	• Average NOx emissions	CAMPO Road Emission Projections 2035
	• Average VOC emissions	CAMPO Road Emission Projections 2035
Environmental Justice	• Environmental Justice Areas (Low Income & Minority)	Environmental Justice Traffic Analysis Zones
	• Toxic Release Inventory	EPA Toxic Release Inventory
Water Quality	• % Impervious Surface	Building Footprints 2006; Transportation Features 2006
	• Average water quality score	Watershed Integrity Scores
	• % creek buffers	Creek Buffers
	• % floodplains	Austin Fully Developed Floodplain
Critical Places	• Schools	Schools
	• Hospitals	Hospitals
	• Libraries	Libraries
	• Rec centers	Recreation Centers
	• Health center	Health Centers
	• Nursing home	Nursing Homes
	• Population density (people per square mile)	U.S. Census 2010
Forest Replenishment	• # trees distributed by PARD	PARD Forestry Annual Planting Numbers
	• # trees distributed by NeighborWoods/TreeFolks	NeighborWoods Tree Delivery Numbers
	• Possible planting space	Possible Planting Space
Tree Preservation & Development Impacts	• Tree removals	Tree Removal Permit Points
	• Building permits	Growth Watch
	• Environmental sensitivity	Vacant Land Inventory
	• Imagine Austin growth centers	Imagine Austin Centers
Urban Heat Island	• Average Surface temperature	Landsat 7 satellite imagery

Results

The map on page 7 shows priority areas for tree planting. Areas are delineated by Census tracts and color symbolized according to the priority score. Dark green Census tracts correspond to high priority areas where the need for tree planting is greatest. The top five high priority neighborhoods are listed below with their respective zipcodes. Also listed are all City-owned parks that can be found within the neighborhoods.

1. Holly, East Cesar Chavez, and Govalle Neighborhoods (78702)

- a. Comal Pocket Park
- b. Parque Zaragoza Neighborhood Park
- c. Oswaldo A.B. Cantu/Pan-American Recreation Center
- d. Manuel and Robert Donley Pocket Park
- e. Sanchez School Park
- f. Edward Rendon Sr. Metro Park at Festival Beach
- g. Holly Shores at Town Lake Metro Park
- h. Waller Beach at Town Lake Metro Park
- i. Metz Neighborhood Park

2. Heritage Hills Neighborhood (78753)

- a. North Acres Neighborhood Park
- b. Gustavo "Gus" L. Garcia District Park

3. St. John Neighborhood (78752)

- a. Buttermilk Neighborhood Park
- b. St. John's Pocket Park
- c. Buttermilk Branch Greenbelt

4. Pleasant Valley Neighborhood (78741)

- a. Montopolis Neighborhood Park

5. North Lamar (78753)

- a. Brownie Pocket Park