Smart Growth for Dallas

Using data and GIS to improve the social, economic, and environmental resilience of Dallas
About Our Partners

The **Trust for Public Land** works across the country to create new parks and protect land for people, ensuring healthy, livable communities for generations to come.

Since our founding in 1972, we’ve created and protected more than **5,000 special places across the country**. More than **7 million people live within a 10-minute walk** of a place that we have created or protected. We have helped generate nearly **$60 billion in public funding** for parks and natural areas through ballot measures supported by nearly 100 million voters in 37 states.
About Our Partners

The **buildingcommunityWORKSHOP** is a Texas based nonprofit community design center seeking to improve the livability and viability of communities through the practice of thoughtful design and making. We enrich the lives of citizens by bringing design thinking to areas of our city where resources are most scarce.

The **Texas Trees Foundation** preserves, beautifies, and expands parks and other public natural green spaces, public streets, boulevards, and rights-of-way by planting trees and encouraging others to do the same through educational programs that focus on the importance of building and protecting the “urban forest” today as a legacy for generations to come.
WHAT IS SMART GROWTH FOR DALLAS?
Smart Growth for Dallas is an initiative to improve the social, economic, and environmental resilience of Dallas through the strategic use of parks, trails, trees, and greenspaces.
How can “green assets” improve Dallas’ resilience?

• Retain stormwater runoff
• Cool neighborhoods in the summertime heat
• Protect neighborhoods from flooding
• Safe routes to school and work
• Increase active recreation for residents
• Grow the local economy through rejuvenating forgotten or overlooked areas of the city
• Diversify mobility options through walking and cycling paths
• Clean pollution from the air
• Create a sense of place and community for neighbors
Using the power of GIS mapping…

GIS can tell us things like:

- Who owns land parcels
- Percentage canopy cover
- Poverty rate in an area
- Prevalence of asthma
- Soil type
- Flood zone
- Demographic data
- …and more
Data, data, data!
The Technical Advisory Team

1. Collaboratively develop **conceptual framework** for our Decision Support Tool

2. Place each of our Smart Growth for Dallas **planning objectives** (Connect, Cool, Absorb, Protect, Equity, and Health) in the Dallas context using a “current conditions report” to frame the discussion

3. **Identify criteria** (location-based characteristics) for each planning objective and the most appropriate data sources needed to develop those criteria

4. **Identify potential datasets** for inclusion in our GIS models

5. **Identify use cases and design parameters** to maximize usefulness of Decision Support Tool for users
The Technical Advisory Team

Over 100 participants, representing dozens of departments and organizations:

- Park & Recreation
- Dept. of Transportation
- Planning + Urban Design
- Trinity Watershed Management
- Office of Environmental Quality
- Communication & Information Services
- City Manager’s Office
- Urban Forestry Advisory Committee
- Dallas ISD

- Office of Resilience
- City Plan Commission
- DART
- NCTCOG
- SMU
- Texas A&M AgriLife Extension
- UT Dallas
- Dallas County
- ...and more
Analysis for 315,000 parcels of land

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Mapping priority zones for green investments
Program Objective: Help Dallas identify and prioritize methods to improve its social, economic, and environmental resiliency.
Key Deliverables and Timeline

Identification of High-Priority Parcels
(March 2016 – September 2016)

Community Engagement
(November 2016 – February 2017)

Demonstration Project: Cool & Connected Oak Cliff
(October 2017 – December 2018)

Interactive Decision Support Tool
(August 2017 – October 2018)
Development of “Decision Support Tool”

- **Phase 1 GIS tool**
- **Discovery Process**
- **Design Phase 2 GIS Model**
- **Phase 2 Data Collection**
- **Phase 2 GIS Model Implementation**
- **Phase 2 Tool Update**
- **Training & Technical Assistance**

**Timeline:**
- **November 30th, 2017**
- Technical Advisory Team Launch
- Tool Launch

**Years:**
- 2017
- 2018
The “Decision Support Tool”
Live Demonstration of Tool
https://web.tplgis.org/Smart_Growth_Dallas/
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