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CITY SECRETARY
DALLAS, TEXAS

City of Dallas

1500 Marilla Street, Room 6ES
Dallas, Texas 75201
9:00 a.m.



Environment and Sustainability Committee

November 4, 2019

2019 CITY COUNCIL APPOINTMENTS

COUNCIL COMMITTEE	
ECONOMIC DEVELOPMENT Atkins (C), Blewett (VC), Gates, McGough, Narvaez, Resendez, West	ENVIRONMENT AND SUSTAINABILITY Narvaez (C), Atkins (VC), Blackmon, Blewett, Gates
GOVERNMENT PERFORMANCE AND FINANCIAL MANAGEMENT Gates (C), Mendelsohn (VC), Arnold, Bazaldua, Kleinman, Narvaez, Thomas	HOUSING AND HOMELESSNESS SOLUTIONS West (C), Thomas (VC), Arnold, Blackmon, Kleinman, Mendelsohn, Resendez
PUBLIC SAFETY McGough (C), Arnold (VC), Bazaldua, Blewett, Medrano, Mendelsohn, Thomas	QUALITY OF LIFE, ARTS, AND CULTURE Arnold (C), Gates (VC), Atkins, Narvaez, West
TRANSPORTATION AND INFRASTRUCTURE Kleinman (C), Medrano, (VC), Atkins, Bazaldua, Blewett, McGough, West	WORKFORCE, EDUCATION, AND EQUITY Thomas (C), Resendez (VC), Blackmon, Kleinman, Medrano
AD HOC JUDICIAL NOMINATING COMMITTEE McGough (C), Blewett, Mendelsohn, Narvaez, West	AD HOC ADMINISTRATIVE AFFAIRS Kleinman (C), Arnold, Atkins, Gates, Resendez

(C) – Chair, (VC) – Vice Chair, (L) – Liaison

Handgun Prohibition Notice for Meetings of Governmental Entities

"Pursuant to Section [30.06](#), Penal Code (trespass by license holder with a concealed handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun."

"De acuerdo con la sección [30.06](#) del código penal (ingreso sin autorización de un titular de una licencia con una pistola oculta), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola oculta."

"Pursuant to Section [30.07](#), Penal Code (trespass by license holder with an openly carried handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a handgun that is carried openly."

"De acuerdo con la sección [30.07](#) del código penal (ingreso sin autorización de un titular de una licencia con una pistola a la vista), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola a la vista."

Call to Order**BRIEFING ITEMS**

- A. [19-1780](#) Introduction to Environmental and Climate Planning Efforts
[James McGuire, Director, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

- B. [19-1781](#) Green Going Greener: Dallas' First Urban Forest Master Plan
[Matt Grubisich, Director of Operations & Urban Forestry, Texas Trees Foundation]
[James McGuire, Director, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

- C. [19-1782](#) Branch Out Dallas
[James McGuire, Director, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

Closed Session

Attorney Briefings (Sec. 551.071 T.O.M.A)

- City of Dallas v. Blue Star Recycling LLC, et al., Cause No. DC-18-18651

ADJOURNMENT

EXECUTIVE SESSION NOTICE

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

1. seeking the advice of its attorney about pending or contemplated litigation, settlement offers, or any matter in which the duty of the attorney to the City Council under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the Texas Open Meetings Act. [Tex. Govt. Code §551.071]
2. deliberating the purchase, exchange, lease, or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.072]
3. deliberating a negotiated contract for a prospective gift or donation to the city if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.073]
4. deliberating the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee unless the officer or employee who is the subject of the deliberation or hearing requests a public hearing. [Tex. Govt. Code §551.074]
5. deliberating the deployment, or specific occasions for implementation, of security personnel or devices. [Tex. Govt. Code §551.076]
6. discussing or deliberating commercial or financial information that the city has received from a business prospect that the city seeks to have locate, stay or expand in or near the city and with which the city is conducting economic development negotiations; or deliberating the offer of a financial or other incentive to a business prospect. [Tex Govt. Code §551.087]
7. deliberating security assessments or deployments relating to information resources technology, network security information, or the deployment or specific occasions for implementations of security personnel, critical infrastructure, or security devices. [Tex Govt. Code §551.089]



City of Dallas

1500 Marilla Street
Dallas, Texas 75201

Agenda Information Sheet

File #: 19-1780

Item #: A.

Introduction to Environmental and Climate Planning Efforts
[James McGuire, Director, Office of Environmental Quality & Sustainability]

Introduction to Environmental & Climate Planning Efforts

Environment & Sustainability
Committee

November 4, 2019

James McGuire, Director
Office of Environmental
Quality & Sustainability



City of Dallas

Purpose

- Overview of the Office of Environmental Quality & Sustainability (OEQS)
- Recent Council actions
- Introduction to Comprehensive Environmental & Climate Action Plan (CECAP)
- Next Steps



Overview of Office of Environmental Quality & Sustainability

Air Pollution Control

Air Quality Initiatives

EMS & Internal Compliance

Municipal Setting Designations

Spill Response

Sustainability, Outreach & Education

Stormwater Management

Water Conservation

Zero Waste

3



Overview of OEQS



Urban Agriculture

- Develop urban agriculture plan to enhance and facilitate local food production
- Provide internal resource for urban agriculture and community garden issues
- Leverage potential public/private partnership opportunities



Big Tex Farms

Urban Agriculture



Urban Forest Management Planning

- Program in development – Texas Trees Foundation & 8 City Departments
- Branch Out Dallas
- Parks Replenishment
- Develop City's first Urban Forest Master Plan (UFMP)



Recent Environmental Council Actions

- **Air Quality Resolution**, adopted June 2016, embodied efforts towards emissions reduction
- **Multi-Family Recycling Ordinance**, adopted June 2018 requires multi-family developments with more than 8 units to provide recycling for residents
- **Landscape & Urban Forest Conservation Ordinance** (“Tree Ordinance”), adopted June 2018, amended code to enhance protections for Dallas trees
- **Park Land Dedication Ordinance**, adopted June 2018, amended code to require park land dedication/funding
- **Resilient Dallas Plan**, adopted August 2018
- **Office of Environmental Quality & Sustainability**, formed October 2018 along with funding and initial efforts toward comprehensive environmental plan began as part of FY2019 budget adoption

Recent Environmental Council Actions

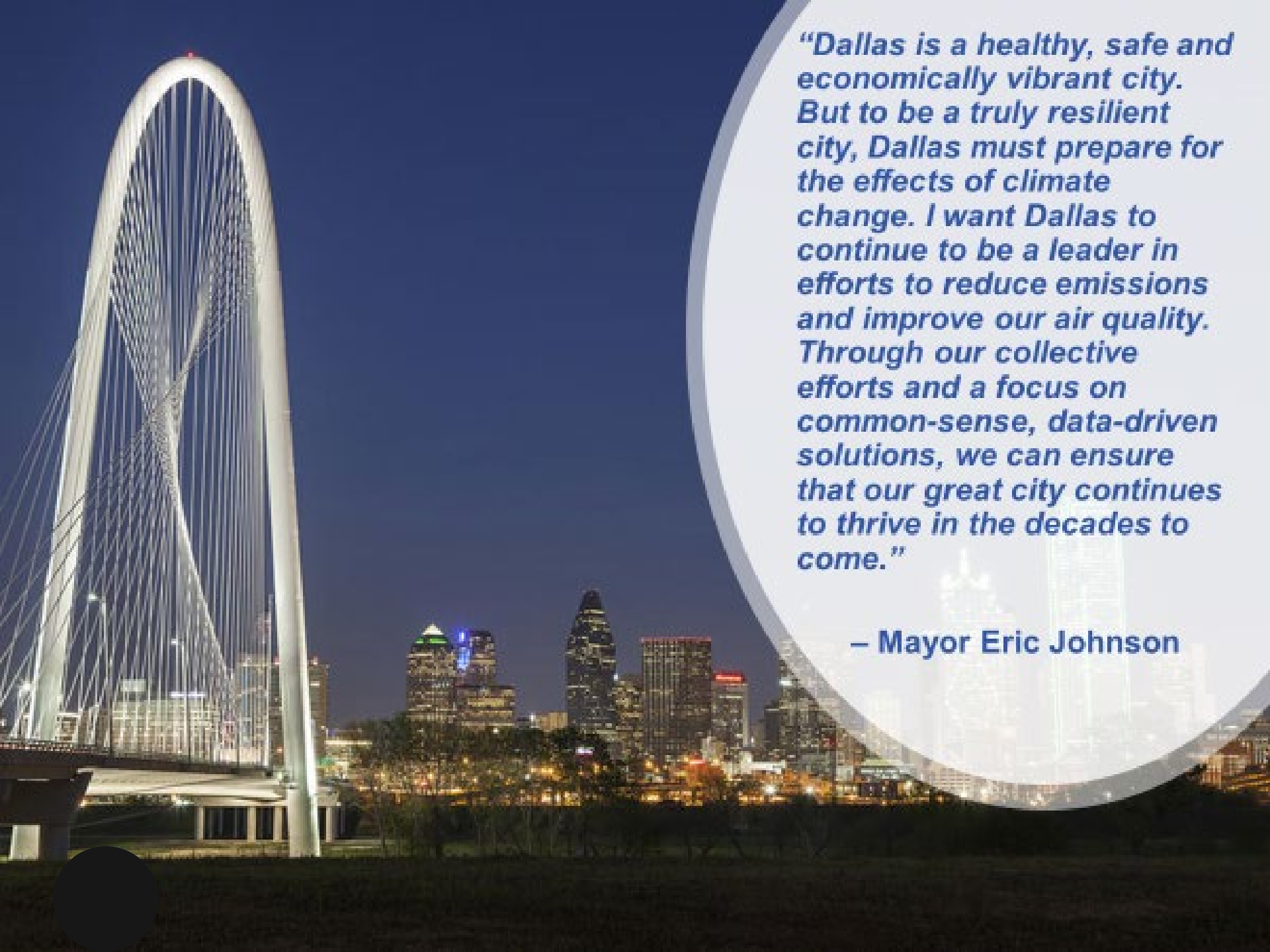
- **Climate Change Resolution**, adopted January 2019, directs staff to develop equitable and effective environmental and climate action plan, supports federal legislation, and directs City Manager to seek membership in C40
- **Comprehensive Environmental & Climate Planning Contract Award**, adopted January 2019, awards contract for climate planning to AECOM
- **Green Energy Policy**, adopted April 2019, requires 100% renewable energy use for municipal operations, directs City manager to set up energy management program, and to investigate feasibility of on- and off-site solar/renewable energy projects
- **Water Conservation Plan**, adopted April 2019, outlines City strategy to conserve and reduce water demand

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Comprehensive Environmental & Climate Action Plan (CECAP)

- Resilient Dallas Plan directed OEQS to measure emissions and identify emission reduction and climate mitigation strategies
- City Council called for OEQS to create equitable and effective CECAP in climate change resolution
- Mayor Johnson established this committee to: (1) ensure Dallas is a global leader in addressing climate change; and (2) create and oversee creation and implementation of CECAP

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“Dallas is a healthy, safe and economically vibrant city. But to be a truly resilient city, Dallas must prepare for the effects of climate change. I want Dallas to continue to be a leader in efforts to reduce emissions and improve our air quality. Through our collective efforts and a focus on common-sense, data-driven solutions, we can ensure that our great city continues to thrive in the decades to come.”

– Mayor Eric Johnson

Cities Leading

- Cities consume 2/3 of energy worldwide
- Cities generate 70% of greenhouse gas emissions
- Urban population is nine times larger today than 100 years ago and increasing steadily
- Actions taken at the local level have a major impact
- City leaders are more directly accountable to the public than state or federal officials



CECAP Addresses Risk

- Dallas faces economic, environmental, social, and governance risks
- Potential long-term consequences of inaction are becoming clearer
- Number of extreme weather events resulting in billion-dollar losses is increasing
- Bond rating agencies and investors want to know how risk is being addressed

IMPACT OF CLIMATE CHANGE ON DALLAS



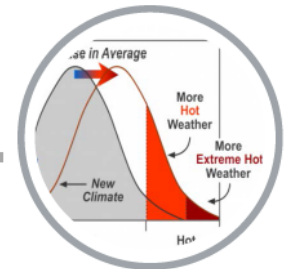
40% increase in extreme thunderstorms by 2100

Flooding



5°F increase by 2050

Average Annual Temperature Increase



30-60 more extreme days a year by 2100
Extreme Heat Increase



Drought



Poor Air Quality



Dallas

Buildings

Transportation

Solid Waste

Average Annual Temperature Increase

Energy

Water

Urban Ecology

Food Urban Ag

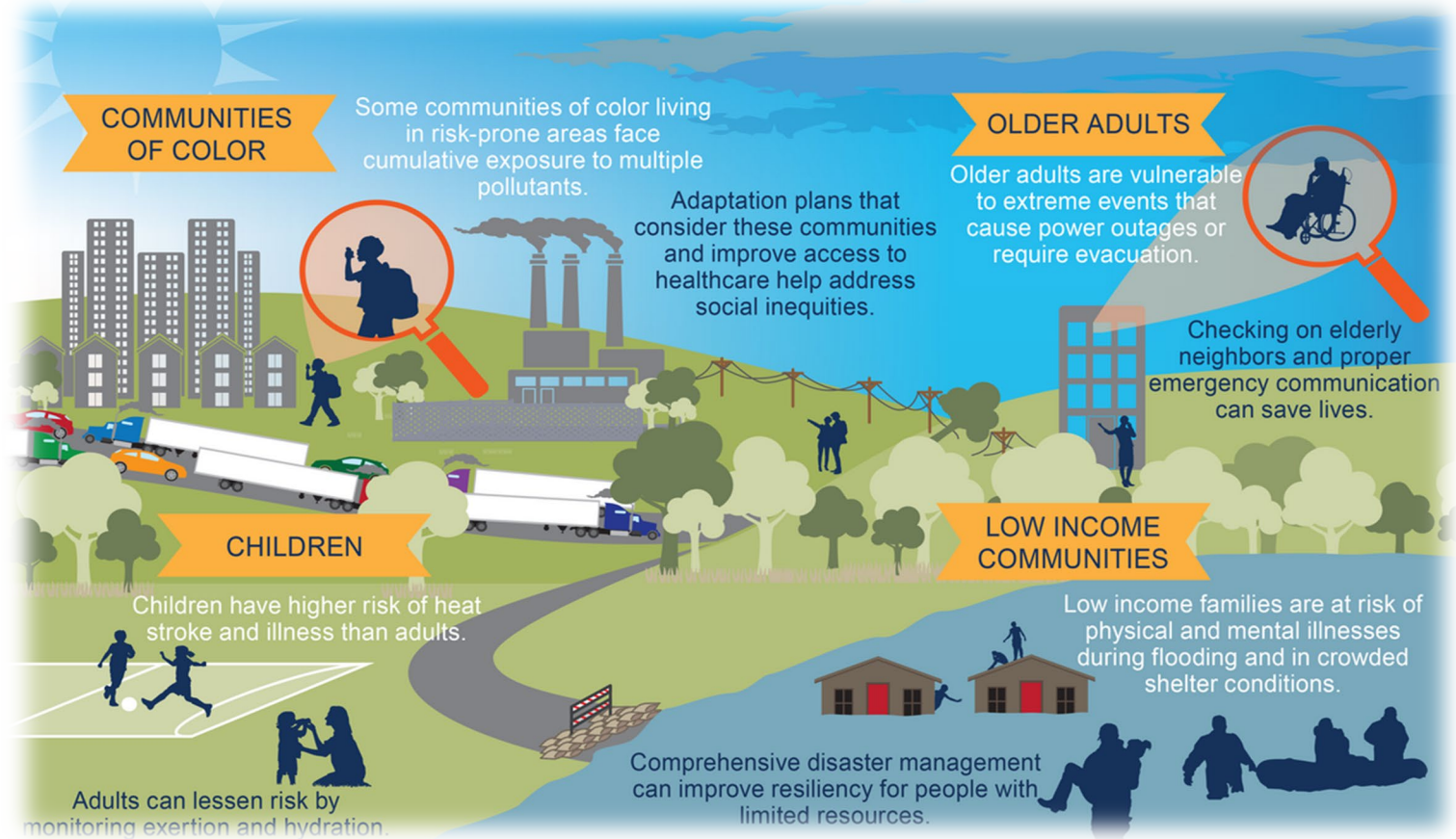


Fourth National Climate Assessment, Vol II — Impacts, Risks, and Adaptation in the United States

Chapter 23 | Southern Great Plains

- Food, Energy, and Water Resources - Quality of life in the region will be compromised as increasing population, the migration of individuals from rural to urban locations, and a changing climate redistribute demand at the intersection of food consumption, energy production, and water resources.
- Infrastructure - The built environment is vulnerable to increasing temperature, extreme precipitation, and continued sea level rise, particularly as infrastructure ages and populations shift to urban centers.
- Ecosystems and Ecosystem Services - Terrestrial and aquatic ecosystems are being directly and indirectly altered by climate change.
- Human Health - Health threats, including heat illness and diseases transmitted through food, water, and insects, will increase as temperature rises.

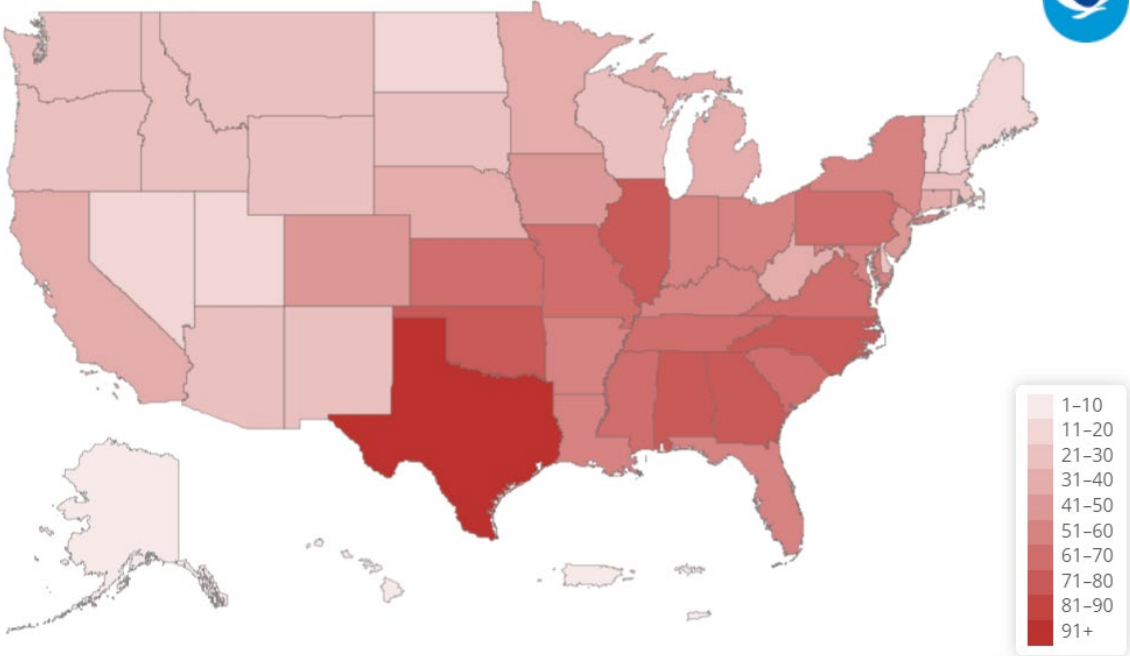
CECAP Addresses Equity



United States Global Climate Change Research Program. 2018. Strategic Finding #SF-2 of National Climate Assessment No. 4, November, 2018

CECAP Addresses Risk

1980-2018 Billion-Dollar Weather and Climate Disasters (CPI-Adjusted)



United States

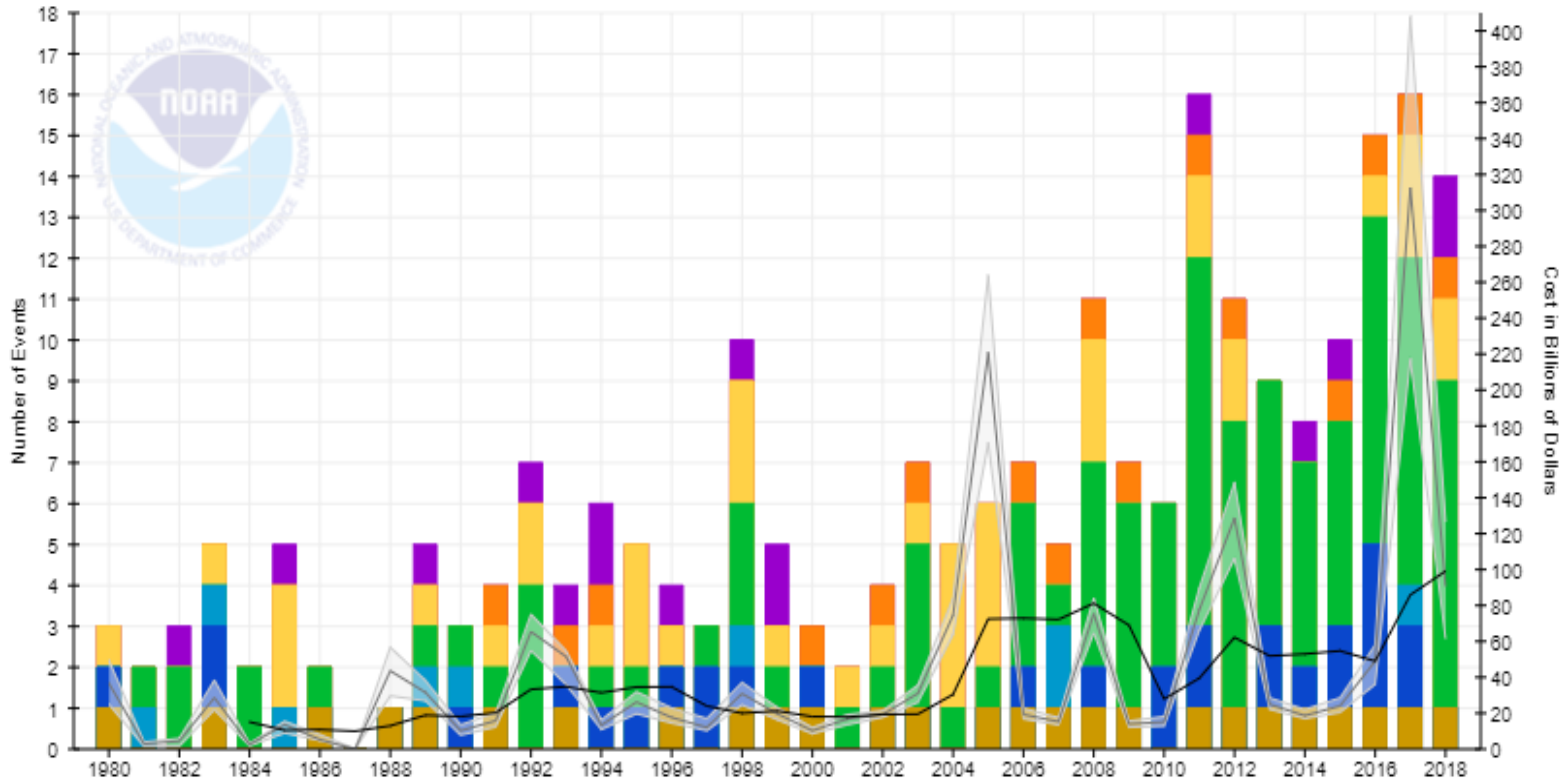
Drought: 26	Flooding: 29	Freeze: 9	Severe Storm: 103
Tropical Cyclone: 42	Wildfire: 16	Winter Storm: 16	All Disasters: 241

Please note that the map reflects a summation of billion-dollar events for each state affected (i.e., it does not mean that each state shown suffered at least \$1 billion in losses for each event).

CECAP Addresses Risk

Billion-Dollar Disaster Event Types by Year (CPI-Adjusted)

- Winter Storm
- Wildfire
- Trop Cycl
- Severe Storm
- Freeze
- Flooding
- Drought
- Cost w/ 95% CI
- 5-Year Mean

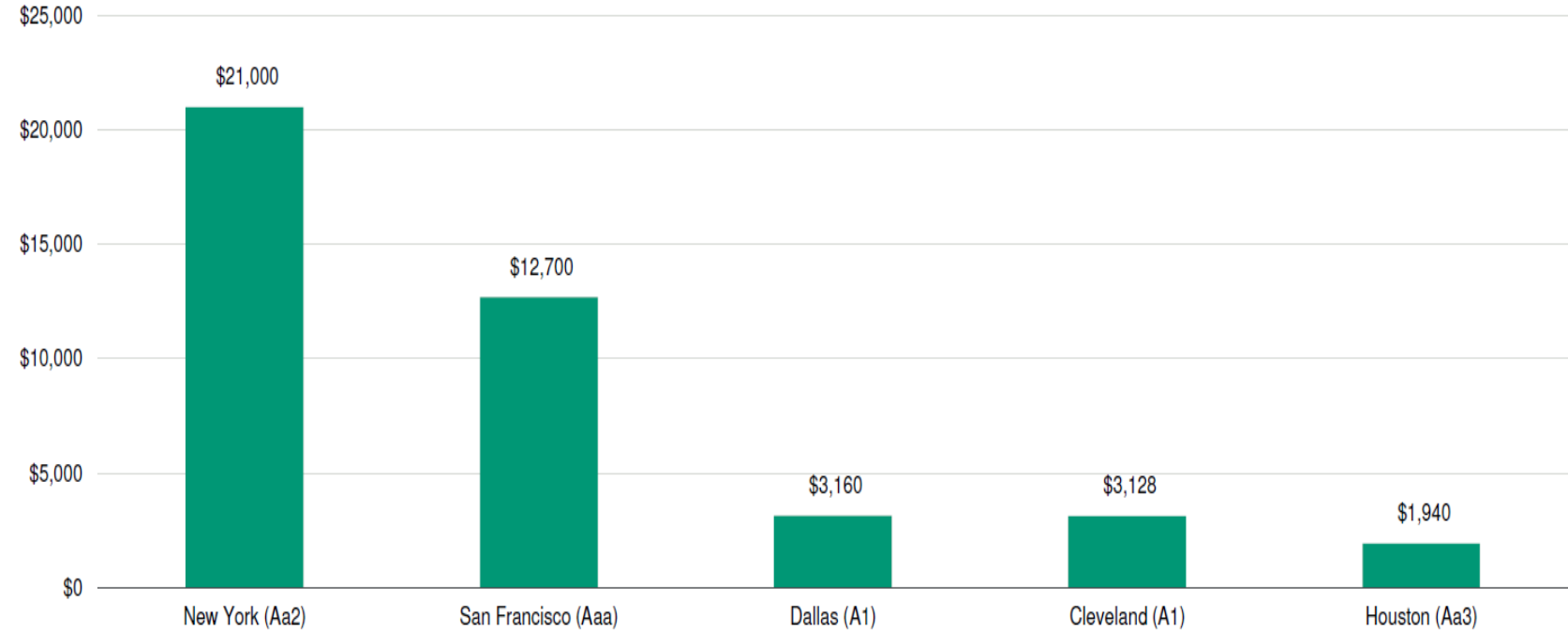


Moody's Investors Series Inquiry

Exhibit 4

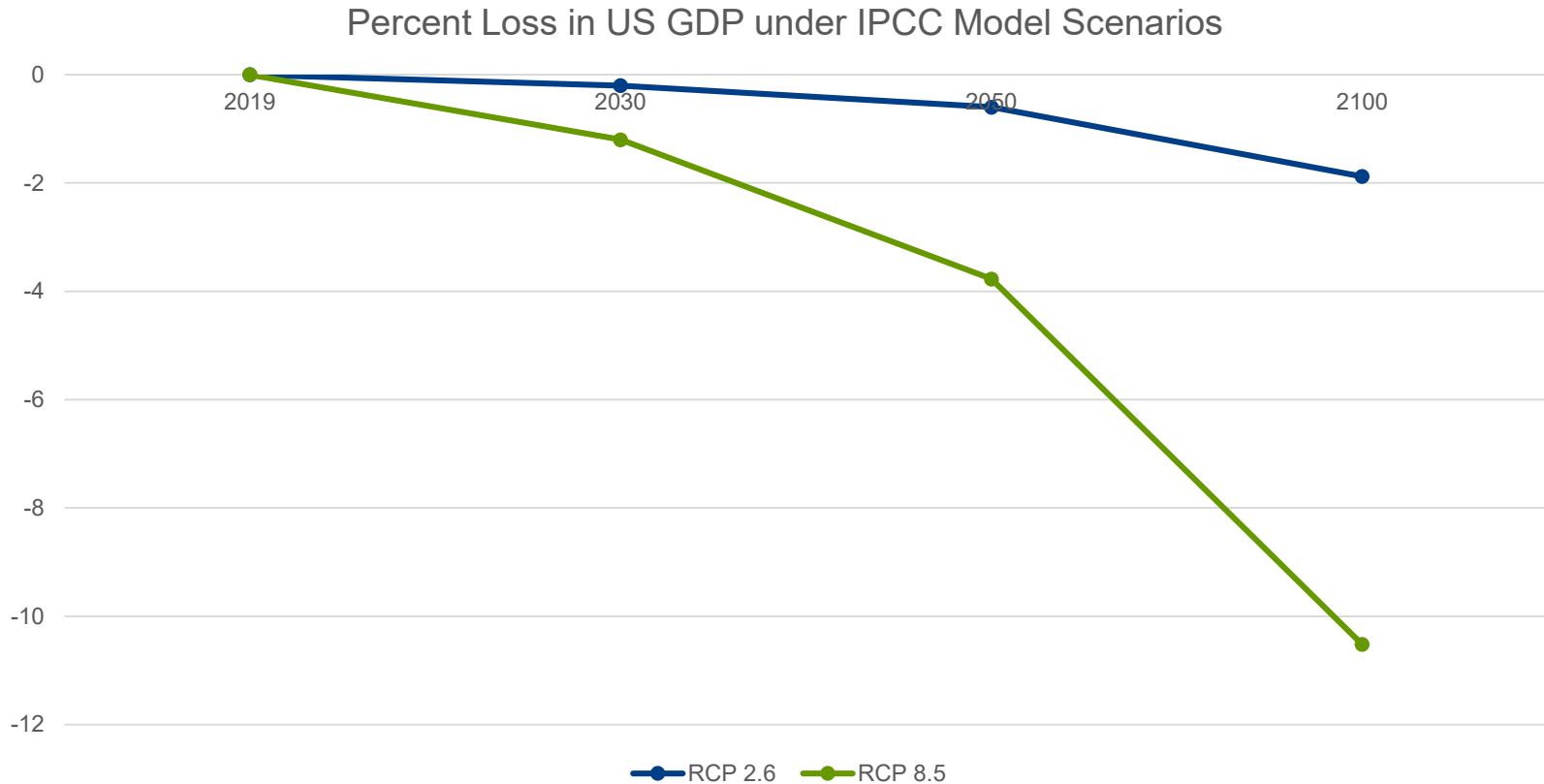
Cities with largest investment in climate mitigation projects planned or underway

Among survey respondents, \$ millions



Source: Moody's Investors Service

CECAP Addresses Risk



Data Source: ME Kuhn et al, Long-Term Macroeconomic Effects of Climate Change: A Cross Country Analyses; 2019. Prepared for Federal Reserve Bank of Dallas. (<https://doi.org/10.24149/gwp365>)

Scope: Comprehensive Environmental & Climate Action Plan

Project Scope includes:

- Compile & review City Plans & Data
- Benchmark best practices & identify potential Dallas options
- Develop internal/external City working groups
- Robust public outreach & engagement
- Perform modelling to assess effectiveness
- Develop Dallas Plan



City Environmental Planning Task Force

- Transportation
- Dallas Water Utilities (Water, Wastewater, Drainage)
- Park & Recreation
- Economic Development
- Aviation
- Housing
- Sustainable Development
- Planning + Urban Design
- Public Works
- Fleet
- Building Services
- And others!

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Stakeholder Advisory Committee



APPROACH TO PLANNING

MITIGATION:
Reduce emissions
that cause climate
change



Clean Energy
Sustainable
Transportation
Energy Efficiency



Urban Forest
Management
Water Conservation
Water Quality
Local Food
Production
Food Access
Food Recovery



Disaster
Management
Flood Protection
Infrastructure
Upgrades

ADAPTATION:
Manage risks of
climate change
impacts

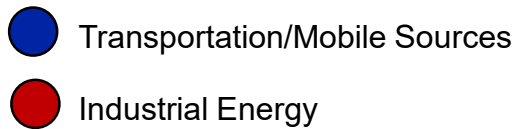
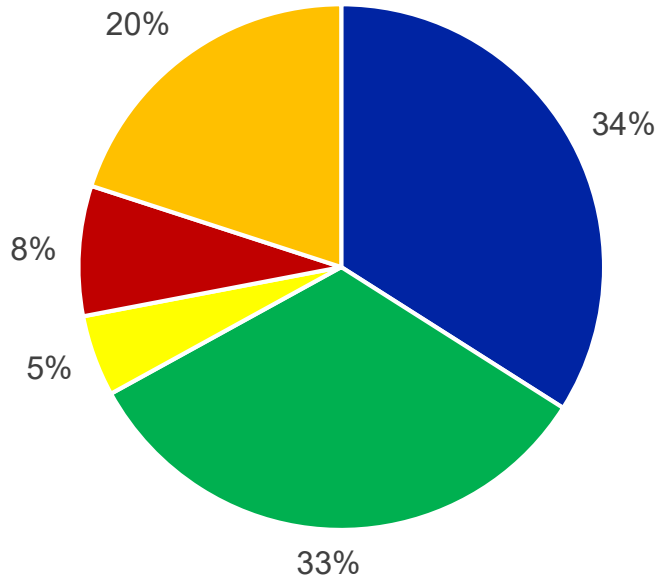


ENVIRONMENT: Improve Quality of Life + Public Health

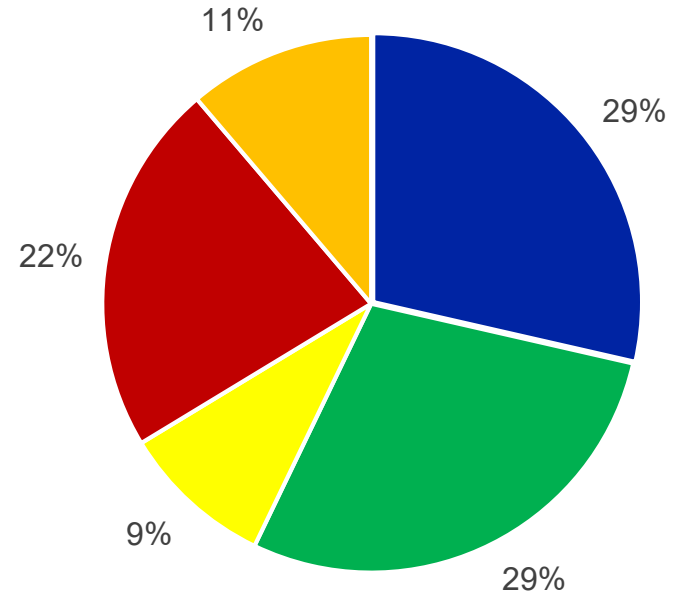
24

Dallas Community Emissions

Dallas Community

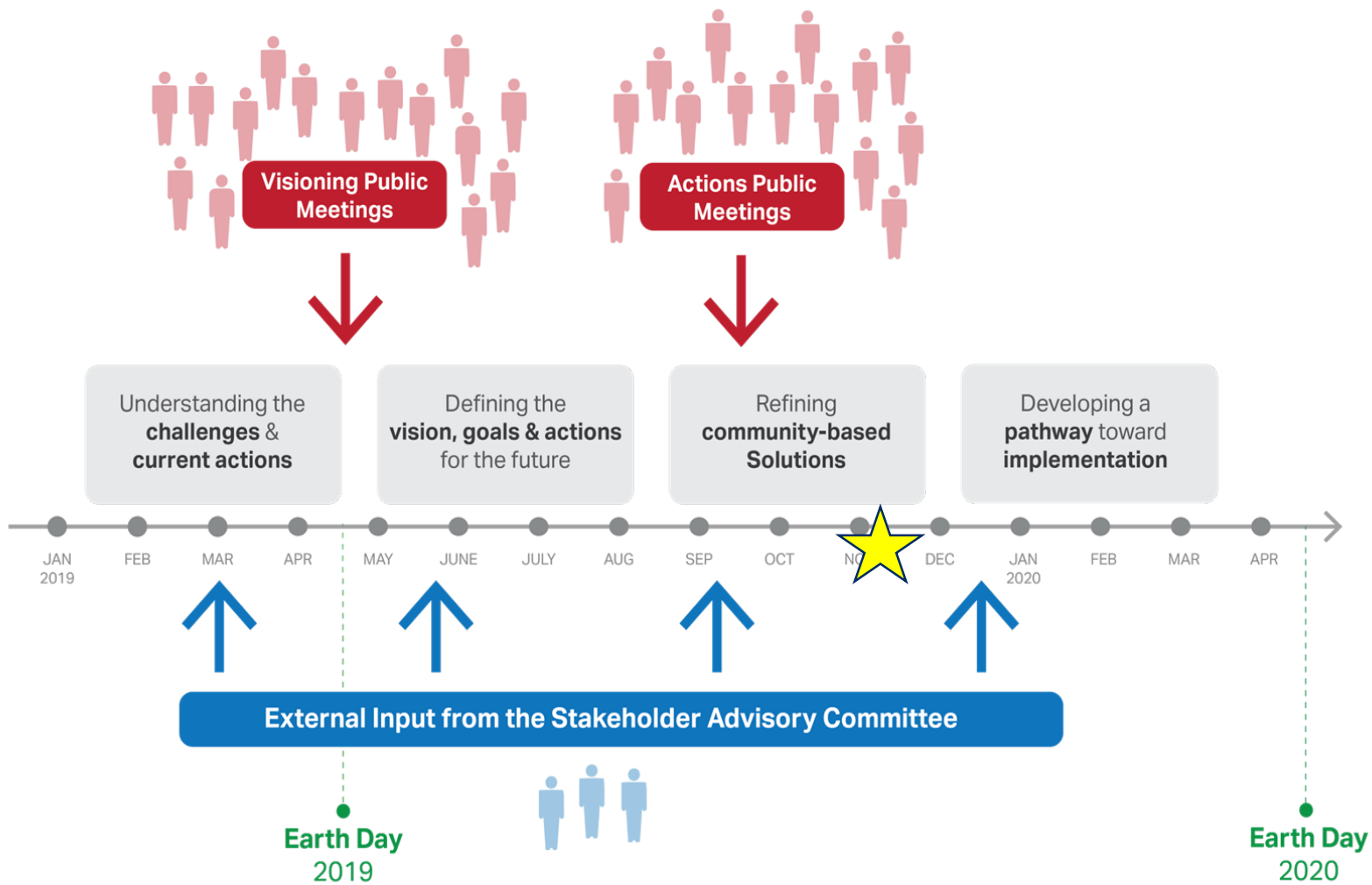


U.S. Average



Draft CECAP Focus & Goals

- Dallas uses renewable, reliable, and affordable **energy**
- Dallas' **buildings** are energy efficient and resilient
- Dallas communities have access to clean, affordable **transportation** options
- Dallas protects its **water** resources and its communities from flooding & drought
- Dallas is a **Zero-waste** community
- All Dallas communities have access to healthy, local **food**
- All Dallas communities breathe clean **air**
- Dallas protects its **ecosystems** that in turn, protect public health



CECAP Expectations

- Must be actionable and measurable
- Must be equitable
- Must address risk and be data-driven
- Municipal utilities (or lack thereof)
- Transparency (www.dallasclimateaction.com)
- Partnerships
- Meet community and City Council expectations

Next Steps

- Close community engagement and present findings to committee (December 2, 2019 meeting)
- Deeper dive into focus and goals over next committee meetings (December 2, 2019 and January 6, 2020 meetings)
- Receive Environment & Sustainability Committee guidance

Introduction to Environmental & Climate Planning Efforts

Environment & Sustainability
Committee

November 4, 2019

James McGuire, Director
Office of Environmental
Quality & Sustainability



City of Dallas

APPENDIX

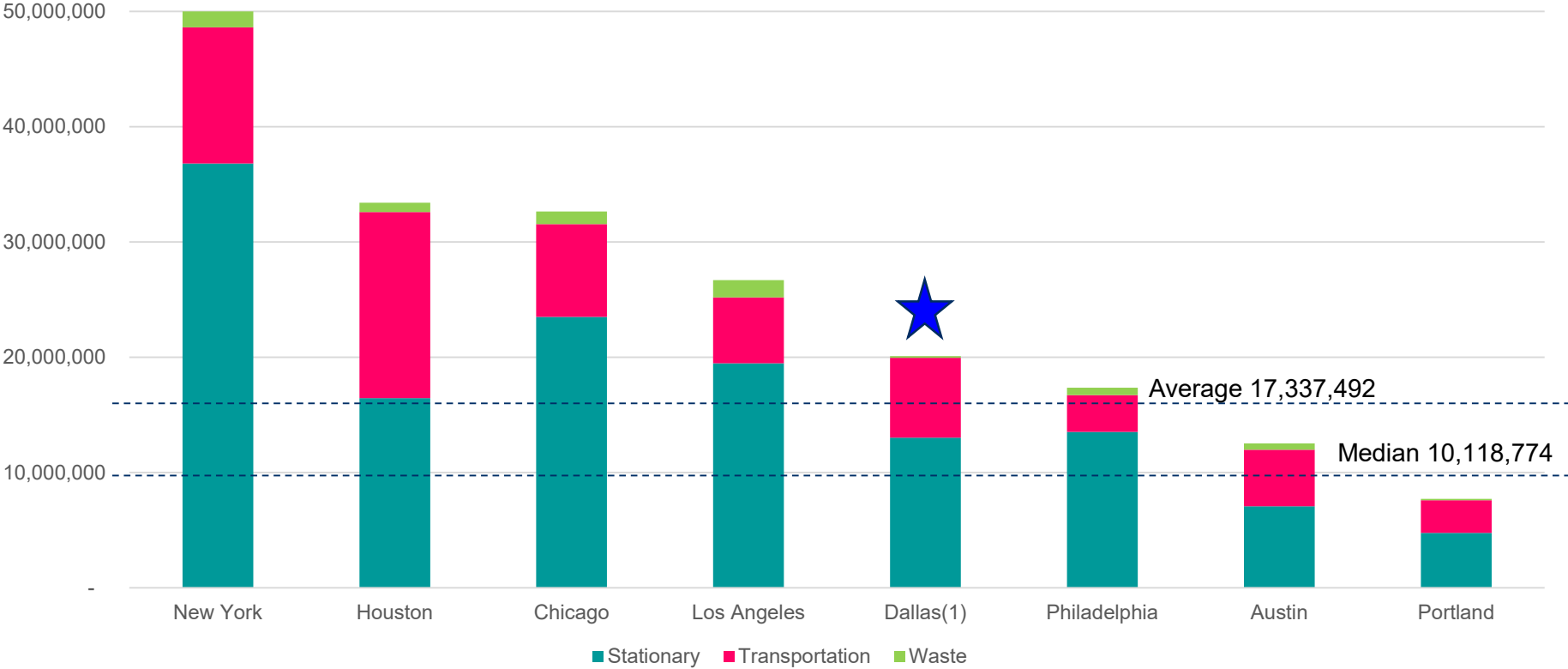


C40 Cities Organization

- Initiated in 2005, and represents over 96+ cities across globe
- 10 US Cities belong; Austin & Houston are members
- Base premise: Cities form the primary incubator of cultural, social and political innovations that shape our planet
- Focus: tackling climate change, and driving urban action that reduces greenhouse gases and climate risks, while increasing health, well-being and economic opportunities for urban residents
- Funded by Bloomberg Philanthropies, Children's Investment Fund Foundation, and Realdania.

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C40 City Comparison



Note: Dallas data is draft pending QA/QC

C40 Cities - Benefits

- Maintain Dallas position as leader/innovator re: environmental quality
- Data-driven approach to measuring program effectiveness
- Peer-to-peer assistance towards climate adaptation and resilience
- Potential financial assistance towards implementation for innovative approaches towards resilience with emphasis on equity

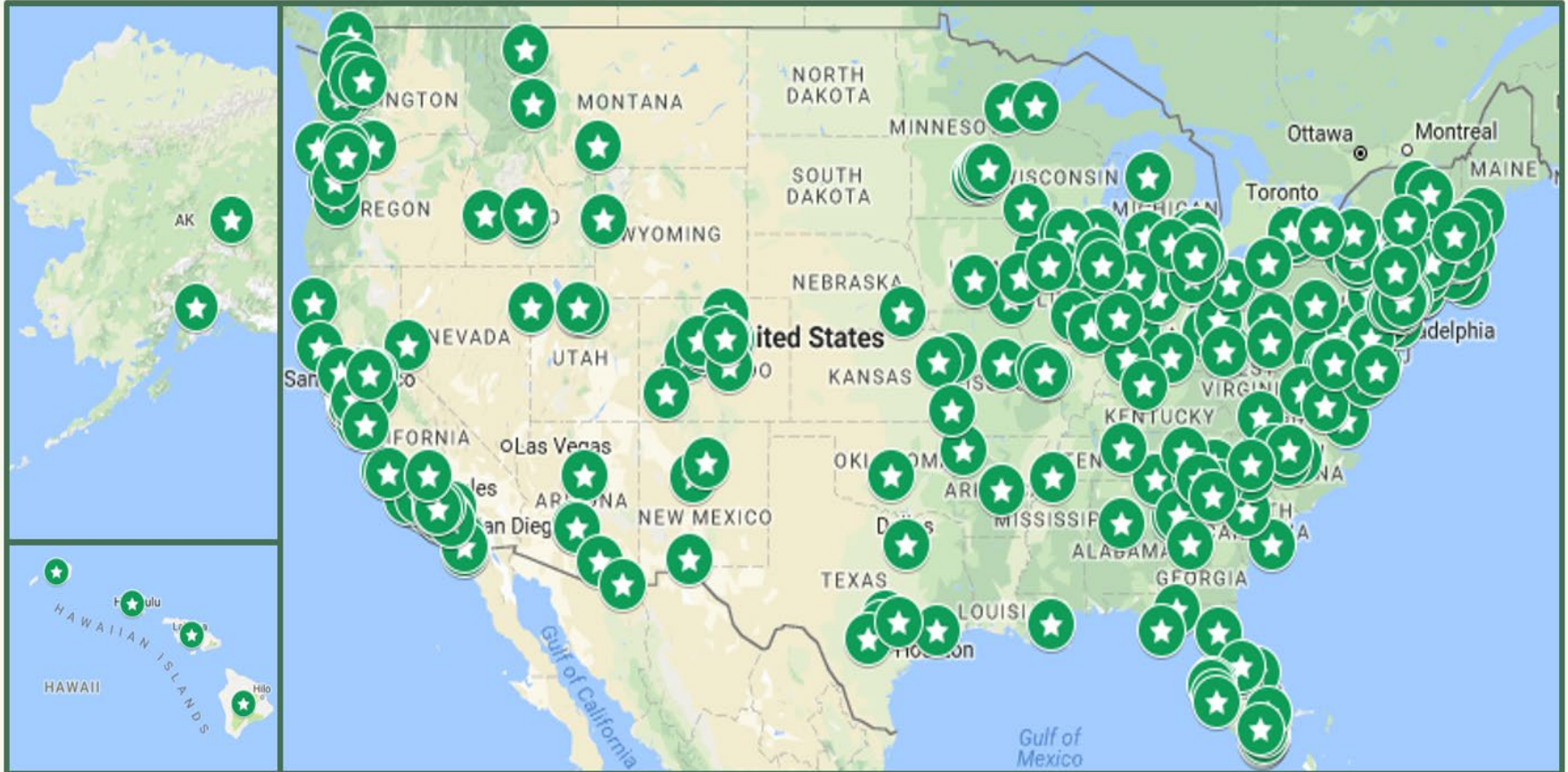
C40 Cities - Participation Standards

- **Mayorial Commitment** (√ - Mayor Johnson supports)
- **GHG Inventory** (√ - completed in December 2018)
- **Target for reducing GHG emissions** (√ - consistent with C40 targets)
- **Develop climate action plan** with concrete initiatives to meet the target (in process)
- **Actively sharing best practice** examples with other cities throughout the C40 networks (in process)

407 US #ClimateMayors, representing 70 million Americans, have committed to adopt, honor and uphold the climate goals of the Paris Agreement



CLIMATEMAYORS.ORG





City of Dallas

1500 Marilla Street
Dallas, Texas 75201

Agenda Information Sheet

File #: 19-1781

Item #: B.

Green Going Greener: Dallas' First Urban Forest Master Plan
[Matt Grubisich, Director of Operations & Urban Forestry, Texas Trees Foundation]
[James McGuire, Director, Office of Environmental Quality & Sustainability]



GREEN GOING GREENER

Dallas' First Urban Forest Master Plan



TEXAS TREES FOUNDATION

Serving Dallas since 1982!

1982 – Founded as the Dallas Trees and Parks Foundation

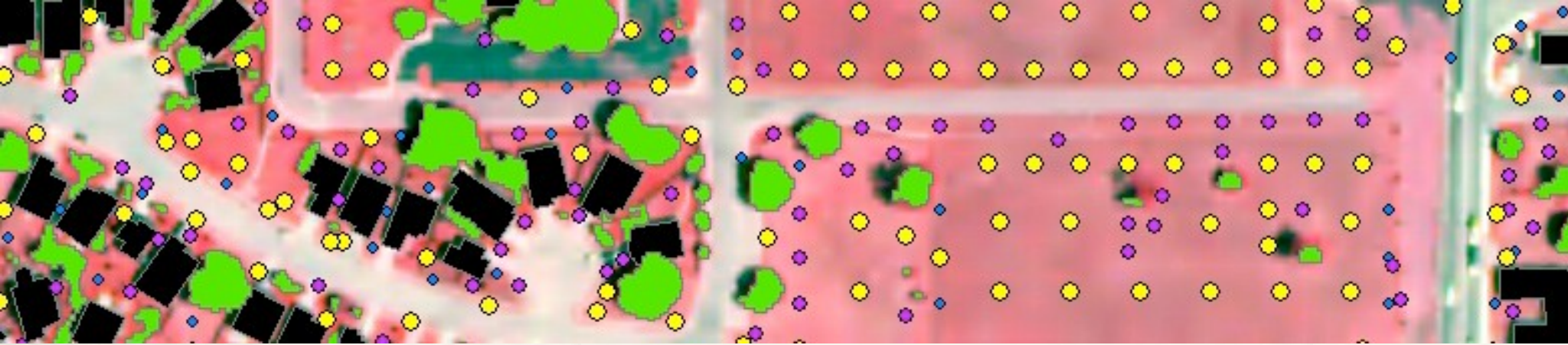
1988 – Secured donation of a 3.7-mile section of the MKT Rail that was used to form the Katy Trail

1994 – Pioneer Plaza opened to the public

2000 – Opened the nations largest Urban Tree Farm

2006 – Partnered with Super Bowl XLV and the NLF Environmental to plant over 6,000 trees





2010 – First Urban Tree Canopy Assessment (UTC)



The Dallas Roadmap - Results at a Glance:

Urban Tree Canopy (UTC): 30% of land area -
*excluding water citywide and ranging from 16-39%
within City Council districts*

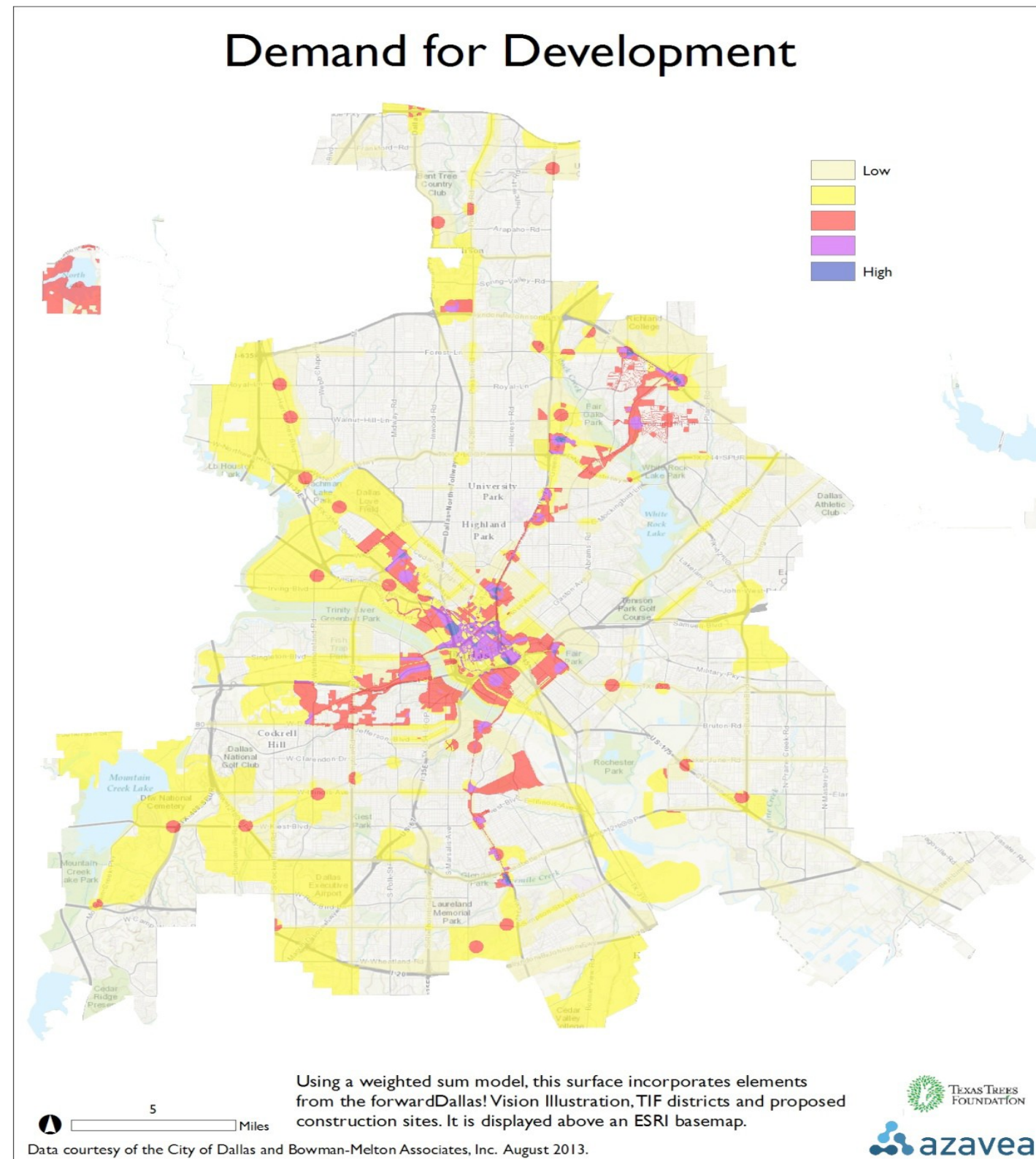
Number of Planting Sites by Roadmap Criteria:

- Maximum Energy Savings Potential: 332,194
- Single Family Residential (SFR) Property: 458,850
- Public rights-of-way (PROW): 480,790
- On Commercial Property: 301,648
- On School Property: 53,019
- In or Adjacent to Parking Lots: 84,577
- Lowest income range (<\$20K): 214,809
- Highest urban heat island range (>140F): 19,097

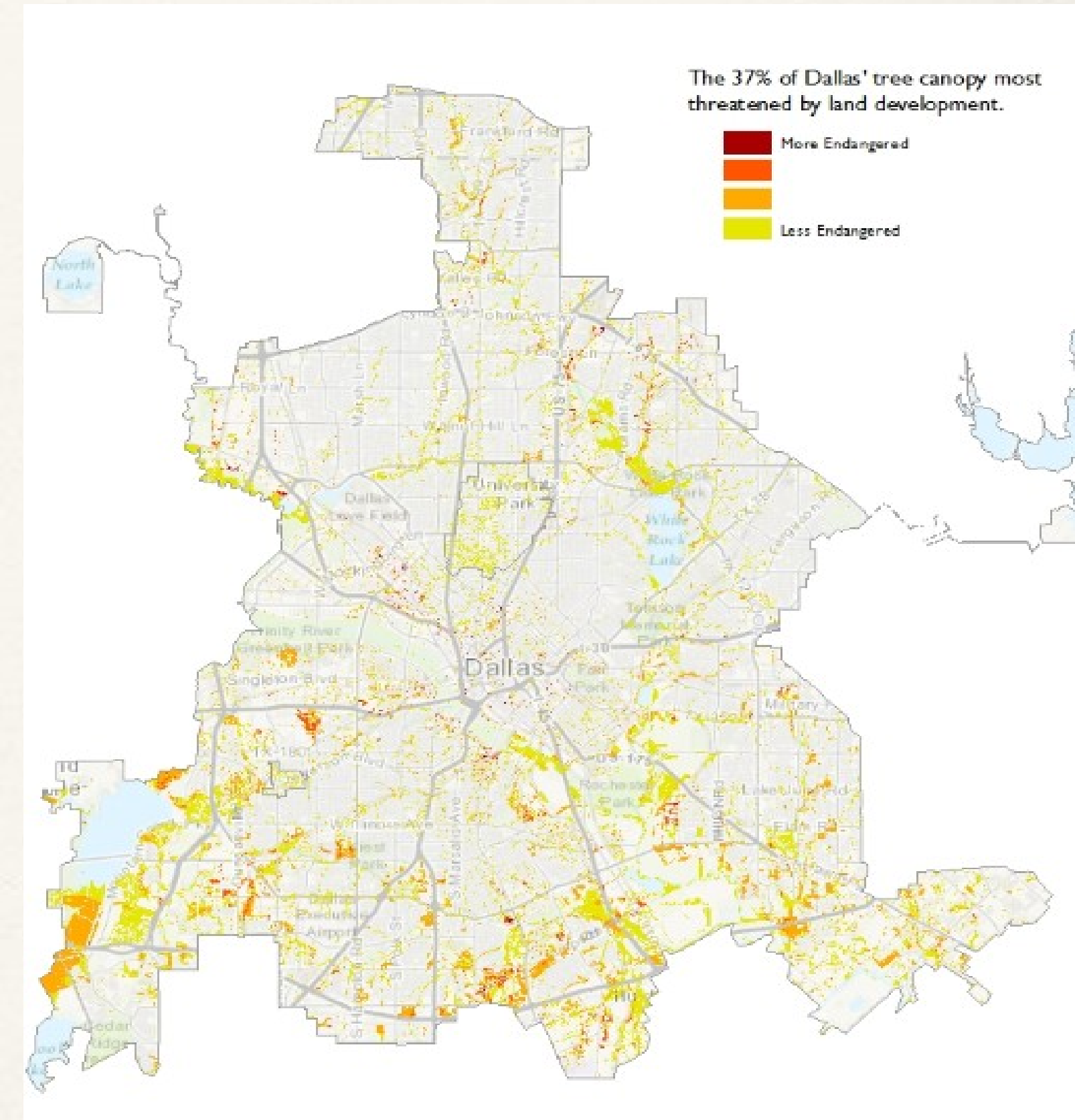
Total Potential Planting Sites: 1,855,310*

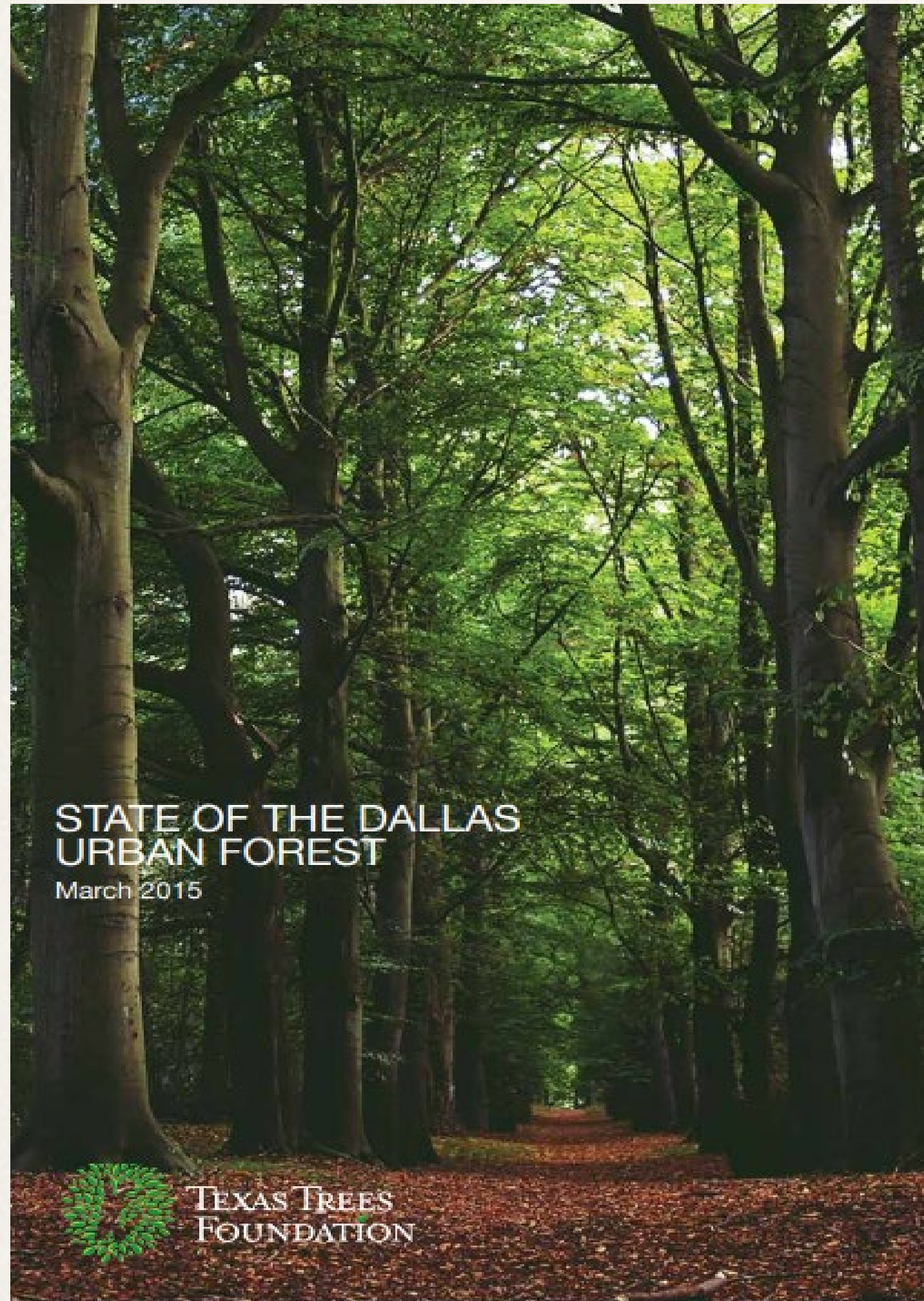
**Planting sites falling in multiple criteria categories were only accounted for in one category*

2013 - Open Space Analysis



- Study conducted in the summer of 2013
- Utilized a variety of information including
 - Forward Dallas
 - TIF boundaries
 - Transportation corridors





2015 – State Of The Dallas Urban Forest Report

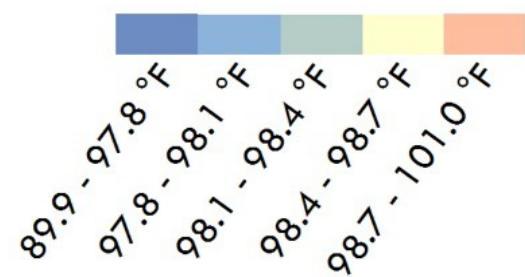
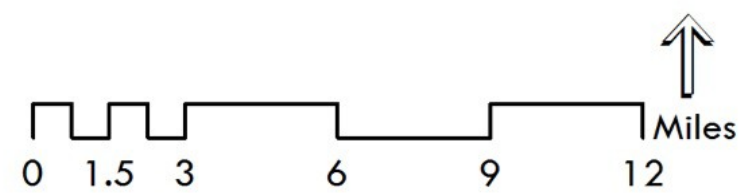
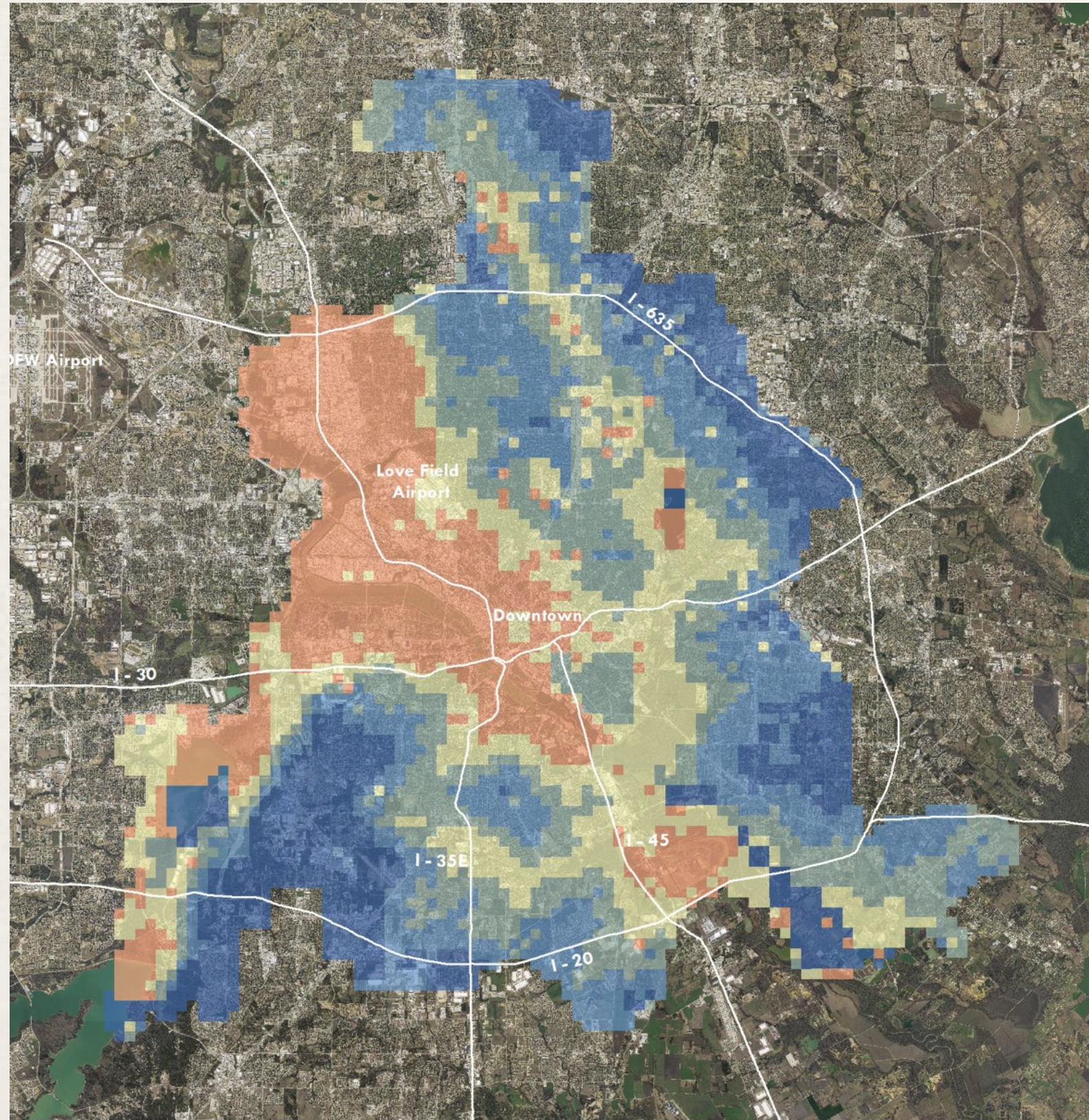
- There are 14.7 million trees in the City of Dallas.
- These trees provide an annual savings of over \$9 million in energy savings.
- Capture 60 million cubic feet of stormwater for a savings of \$4 million dollars.
- Annual environmental benefits of \$38.4 million per year.
- Structural value of \$9.02 Billion



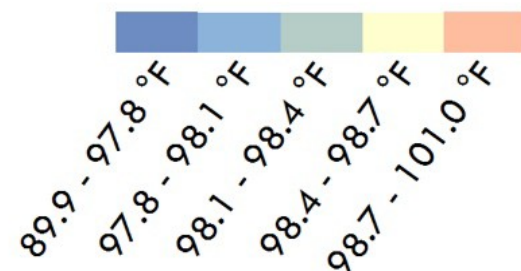
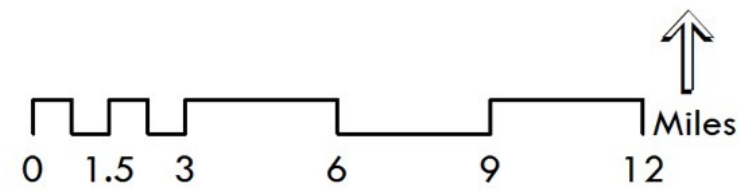
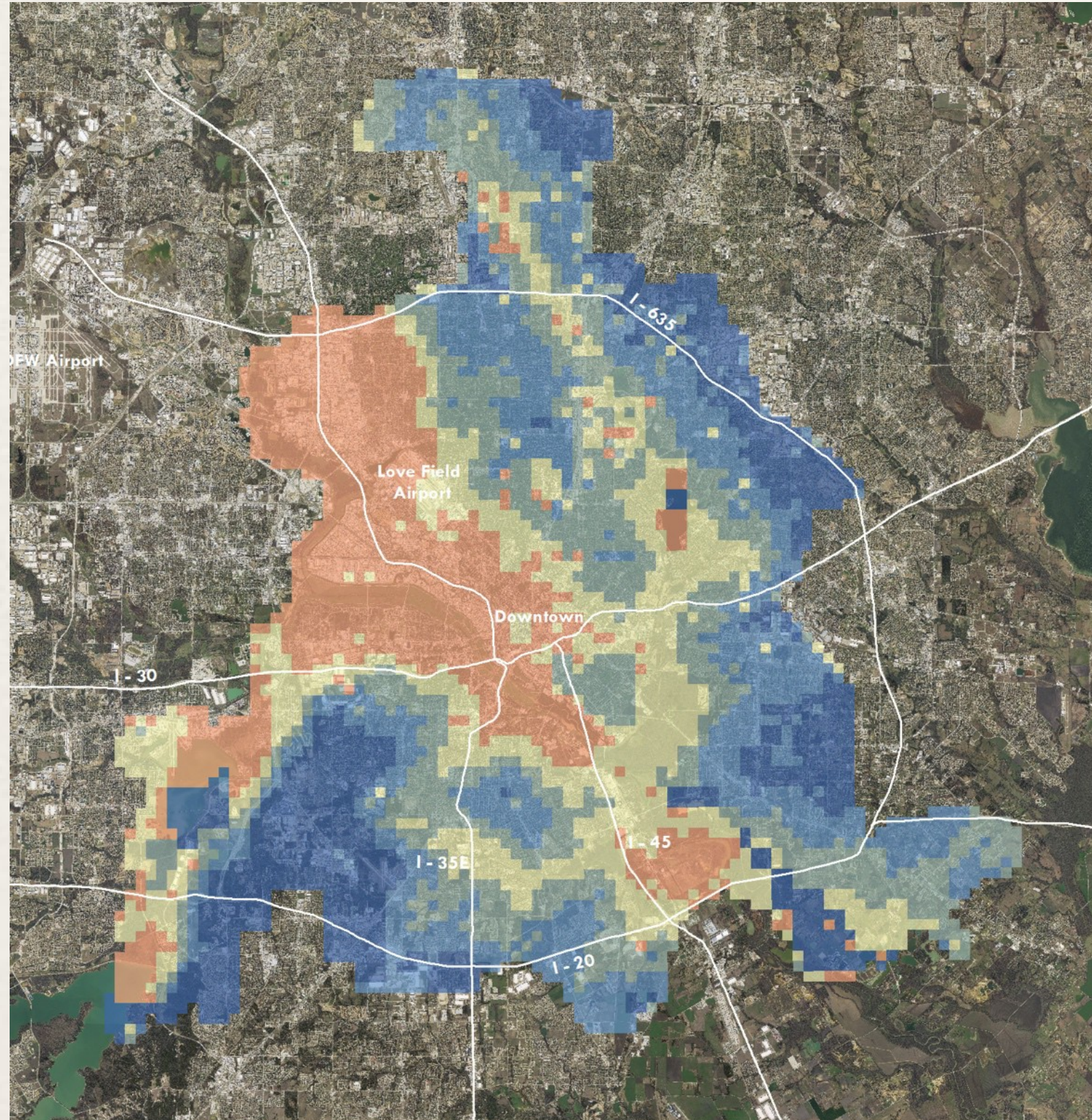
2017 – Urban Heat Island Management Study

- Tree planting and preservation in Dallas can change the weather
- Tree planting and preservation in Dallas can save lives. When implemented in concert with more reflective paving and roofing materials, tree planting was found to reduce the number of deaths from hot weather by more than 20%.
- Greening strategies were found to be more than 3x's as effective in lowering temperatures around Dallas than cool materials strategies.
- Dallas can achieve significant cooling benefits from the setting of a very feasible tree planting goal: 285,000 trees.

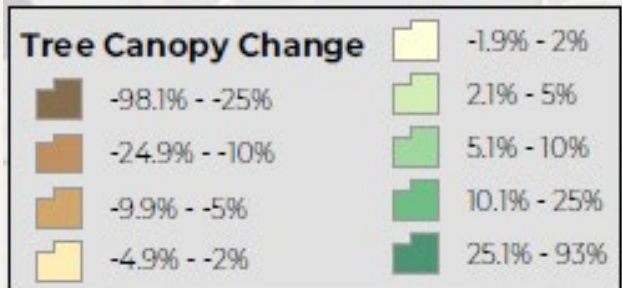
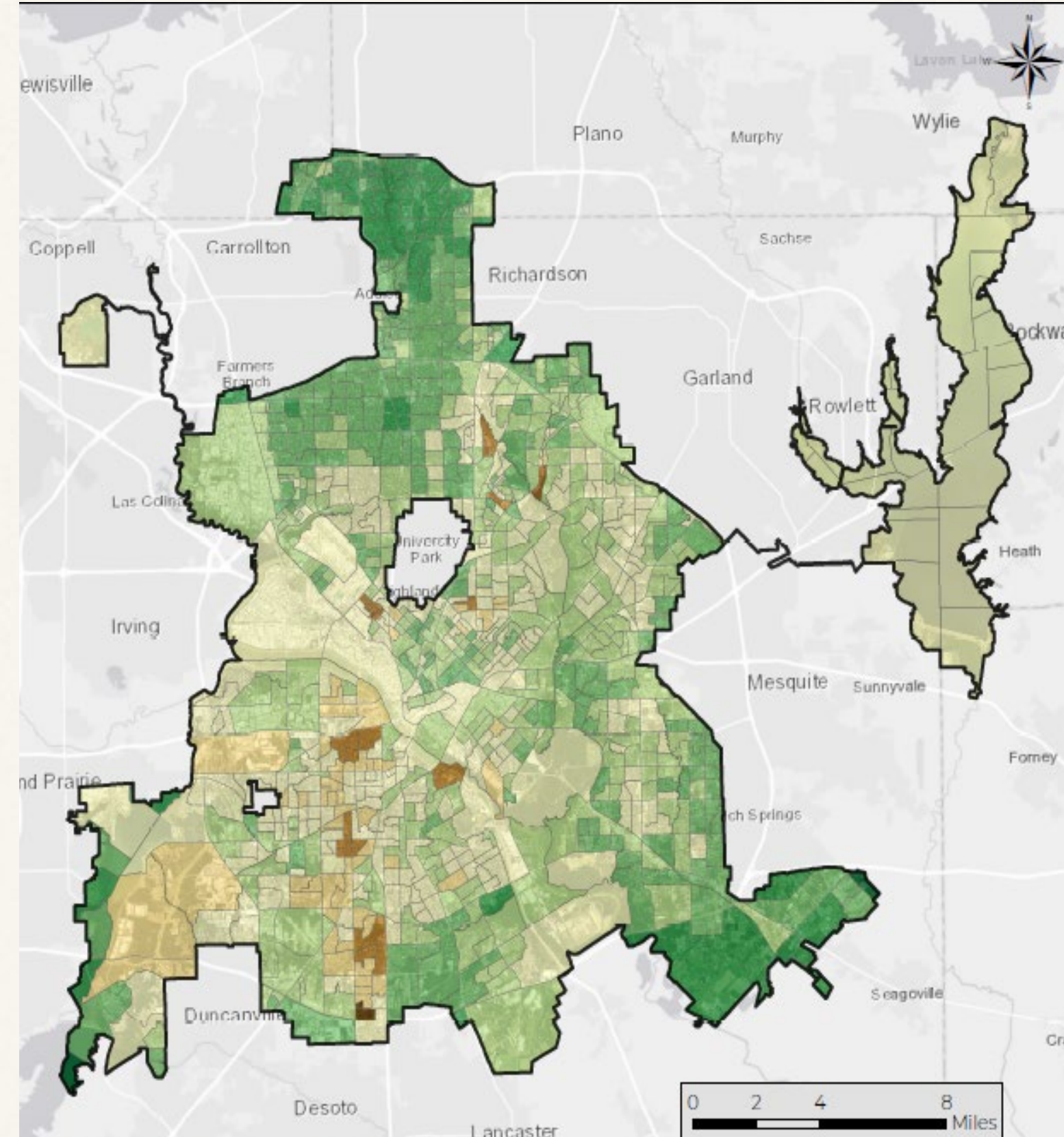
Summer Daily High Temperatures



Summer Daily High Temperatures



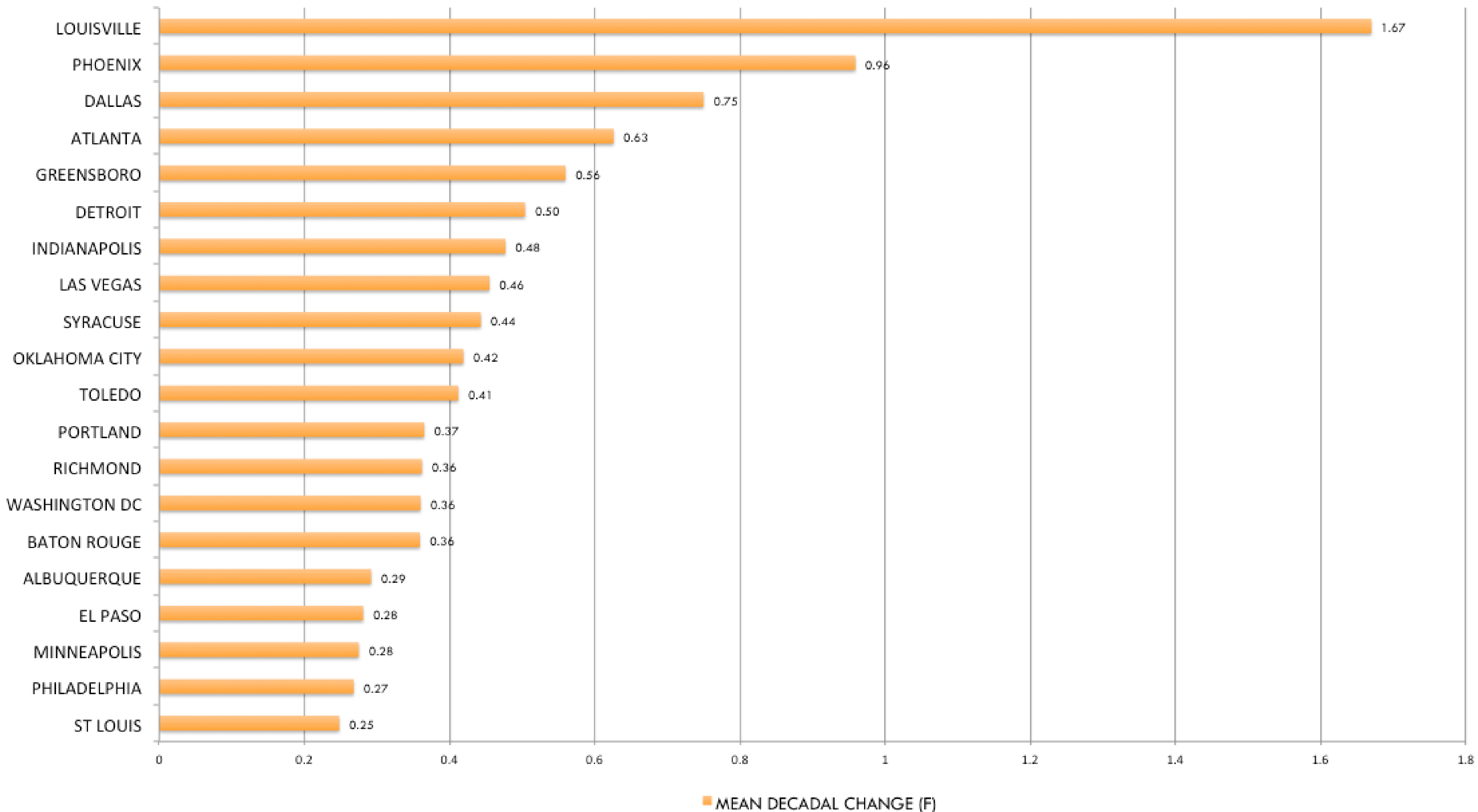
Canopy Change From 2009 - 2019



This map was produced for the Texas Trees Foundation Urban Tree Canopy Assessment of Dallas County, TX. Data were derived from USDA's National Agriculture Imagery Program (NAIP) 2016 imagery and 2017 LIDAR data from North Central Texas Council of Governments Spatial Data Cooperative Program. These data covering all of Dallas County were compared to 2009 canopy data which covered only the City of Dallas. Some areas may not be representative of actual tree canopy change. Basemap provided by ESRI.

March 11, 2019

TOP 20 MOST RAPIDLY GROWING URBAN HEAT ISLANDS IN UNITED STATES: 1961 - 2010



NO TREE PLAN

Buildings and Energy

Sustainable Development & Construction: Green Building Ordinance	2017
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Food Security and Urban Agriculture

Healthy Food Dallas Presentation	2017
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Parks / Open Space / Forest

Dallas Park & Recreation Comprehensive Plan	2016
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Trail Network Plan Update	2009
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Great Trinity Forest Management Plan	2015
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Solid Waste

Local Solid Waste Management Plan "Zero Waste Plan"	2013
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Litter and Illegal Dumping Assessment	2018
---------------------------------------	------

Transportation & Land Use

Downtown Dallas 360 Plan	2017
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Mobility 2045: Metropolitan Transportation Plan	2018
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Dallas Bike Plan	2011
------------------	------

Complete Streets	2017
------------------	------

2030 Transit System Plan	2006
--------------------------	------

Water / Wastewater

Water Conservation Five-Year Work Plan	2016
--	------

Interim Bacteria Reduction Plan (TMDLs)	2012
---	------

City of Dallas, MS4 Stormwater Management Plan	2019
--	------

2014 Dallas Long Range Water Supply Plan to 2070 and Beyond	2015
---	------

Wastewater Treatment Facilities Strategic Plan	2010
--	------

Multiple

Resilient Dallas	2018
------------------	------

Neighborhood Revitalization Plan for Dallas	2015
---	------

ForwardDallas	2006
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Building a Cool, Clean and Resilient Dallas	2018
---	------

Balanced Vision Plan & Environmental Impact Statement	2014
---	------

Climate Vulnerability Assessment Review

Climate Change/Extreme Weather Vulnerability and Risk Assessment for Transportation Infrastructure in Dallas and Tarrant Counties	2015
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Dallas Urban Heat Island Management Study	2017
---	------

Smart Growth for Dallas	2018
-------------------------	------

City of Dallas Risk Assessment Case Study	2015
---	------

The Tornado Damage Risk Assessment: Predicting the Impact of a Big Outbreak in Dallas-Fort Worth, TX	2000
--	------

City of Dallas Community Wildfire Protection Plan	2015
---	------

Dallas County Local Hazard Mitigation Plan	2015
--	------

WHY DO WE NEED AN URBAN FOREST MASTER PLAN?

An Urban Forest Master Plan serves as a road map providing detailed *information*, *recommendations* and the *resources needed* to effectively and proactively manage and grow a city's tree canopy.

It provides a shared vision for the future of the urban forest to inspire stakeholders in the care, planting and protection of trees.

The opportunity is NOW!



Opportunity - 38% of all public land in the City of Dallas is public right of way



Innovative Development Of Public Rights Of Ways Are Key To A Sustainable Future

GREEN

A term used to refer to goods and services, laws, guidelines and policies claimed to inflict reduced, minimal, or no harm at all, upon ecosystems or the environment.



STREET

Paved public thoroughfare in a built environment; a public parcel of land adjoining buildings in an urban context, on which people may freely assemble, interact, and move about.



DEMONSTRATION

Showing by reason or proof, explaining or making clear by use of examples or experiments; to clearly show.

The Dallas Morning News

NEWS

Dallas officials estimate the city's parks lost more than 600 trees in storm

And they say it could take three to four years before the city can finish playing catch-up.

NEWS > WEATHER

Thousands still without power Monday after powerful storms rake Dallas-Fort Worth

What Do We Hope to Address

- To proactively address growing environmental challenges with an urban forestry focus
- To create a coordinated vision for Dallas' urban forest
- To practice and model efficiency and cooperation
- To create clear goals and objectives for Dallas' urban forest
- To develop long term advocates
- Continue to build on the momentum from the work that has been done

PROJECT TEAM

Texas Trees Foundation

- Matt Grubisich, Director of Operations
- Zach Wirtz, Urban & Community Forester



City of Dallas

- Susan G. Alvarez, Assistant Director, Environmental Quality & Sustainability



Davey Resource Group & Preservation Tree

- Kerry Gray, DRG, Principal Urban Forestry Consultant/ Project Manager
- Dana Karcher, DRG, Project Developer
- Micha Pace, Preservation Tree, Director of Consulting
- Sam Heywood, DRG, Urban Forester
- Mike Harris, DRG, Plan Writer
- Will Ayersman, DRG, GIS Services Coordinator



PLANNING PROCESS: HOW DO WE GET THERE?

The feedback, vision and data & information analysis from first two phases



Development of Goals, Recommendations & Action Steps



Input & Engagement



PLANNING PROCESS: WHAT DO WE HAVE?

Research, Review & Analysis

- Tree Inventory Data
- Urban Tree Canopy Assessment
- Urban Forestry Operations Review
- Regulations Review
- Plan & Document Review
- GIS Data Analysis



PLANNING PROCESS: WHAT DO WE WANT?

Engagement

- Stakeholder Meetings & Interviews
 - Internal & External
- Operations Review Interviews
- Community Meetings
- On-Line Survey



PLANNING PROCESS: HOW ARE WE DOING?

Measuring Success

- Key Performance Indicators
 - Indicators of a Sustainable Urban Forest – Moving to “Good”
- Metrics/targets for measuring progress in implementing Urban Forest Master Plan recommendations

Indicators of a Sustainable Urban Forest		Assessed Performance Level		
		Low	Medium	High
The Trees	Urban Tree Canopy			
	Equitable Distribution			
	Size/Age Distribution			
	Condition of Public Trees - Streets, Parks			
	Condition of Public Trees - Natural Areas			
	Trees on Private Property			
	Species Diversity			
	Suitability			
	Space and Soil Volume			
	The Players	Neighborhood Action		
Large Private & Institutional Landholder Involvement				
Green Industry Involvement				
City Commission and Committee Engagement				
City Department/Agency Cooperation				
Funder Engagement				
Utility Engagement				
Developer Engagement				
Public Awareness				
Regional Collaboration				
The Mgmt Approach	Tree Inventory			
	Canopy Assessment			
	Management Plan			
	Risk Management Program			
	Maintenance of Publicly-Owned Trees (ROWs)			
	Planting Program			
	Tree Protection Policy			
	City Staffing and Equipment			
	Funding			
	Disaster Preparedness & Repsonse			
	Communications			
	Contractors and Contracts			
	Best Management Practicies/Standards			

PLANNING PROCESS: ANTICIPATED SCHEDULE

City of Dallas Urban Forest Master Plan

				Aug 2019	Sept 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020
		Projected Start Date	Projected Completion Date										
What Do We Have? (Assessment)		8/22/19	11/30/19	█									
Analysis: Document/Data/Information													
Input: Indicators of a Sustainable Urban Forest self-assessment													
Review: Urban Forestry Operations													
What Do We Want? (Vision)		8/22/19	2/1/20	█									
Input: Stakeholder Meetings/Interviews,													
Input: City Staff Interviews													
Input: Community Meetings													
Input: On-line Survey													
How Do We Get There? (Goals & Recommendations/Final Plan)		2/2/20	5/1/20	█									
Review, Analysis & Synthesis: Data, information, Feedback													
Input: City Staff, Community, Stakeholders													
Approval & Adoption													
How Are We Doing? (Performance Indicators/Benchmarks)		5/1/2020		█									
Plan Implementation and Monitoring													



TEXAS TREES
FOUNDATION

What's next!

Dallas Urban Forestry Master Plan

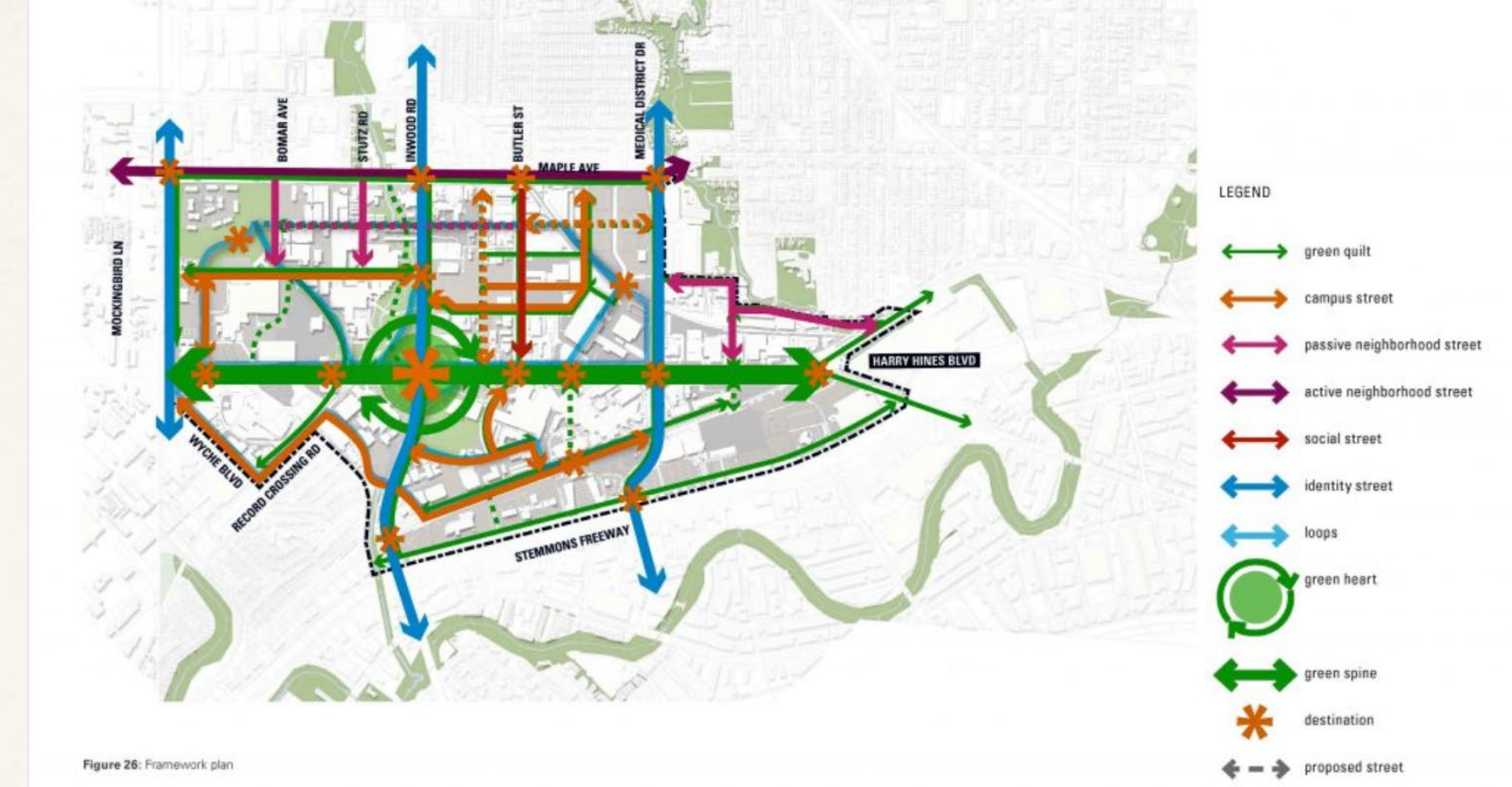
Release updated urban tree canopy cover

Re-plant 600 trees in Dallas Parks

Cool School Initiative – “No child left inside”

Southwestern Medical District Urban Streetscape
Master Plan

Linking *our* urban forest to *our* community health



Dallas Urban Forest Master Plan Community Survey

The Texas Trees Foundation, the City of Dallas and Davey Resource Group, Inc. have kicked-off the development of the city's first Urban Forest Master Plan. The Plan will serve as a road map to proactively manage and grow the city's tree canopy and provide a shared vision for the future of the urban forest to help inspire us to care, plant and protect our trees here in Dallas.

This survey is part of an initial outreach effort to hear your thoughts about Dallas' urban forest, it should take less than 5 minutes to complete. The results of this survey will be used to guide development of the Urban Forest Master Plan.

For more information on the plan, planning process and how to stay involved, please visit the [Texas Trees Foundation](#).

Thank you for your input!

Next

0 of 15 answered

Thank You

www.texastrees.org/urban-forest-master-plan





City of Dallas

1500 Marilla Street
Dallas, Texas 75201

Agenda Information Sheet

File #: 19-1782

Item #: C.

Branch Out Dallas

[James McGuire, Director, Office of Environmental Quality & Sustainability]

Branch Out Dallas

Environment and
Sustainability Committee

November 4, 2019

Terry S. Lowery, Director
Dallas Water Utilities



City of Dallas



BRANCH OUT DALLAS



Environment and Sustainability

Overview

- The Branch Out Dallas Program was implemented as an effort to reduce the Heat Island Effect and to increase the overall tree canopy in the City.
- The program gives Dallas homeowners a free 5-gallon hardwood tree to plant in their front, back or side yards.
- Each tree planted helps the City get closer to meeting these goals.
- Homeowners who plant a tree in their yard benefit by saving energy, cooling the air and the trees also provide shade.

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Overview

- Branch Out Dallas supports a number of City-wide initiatives:
 - Trees improve air quality and help filter stormwater and urban runoff
 - Homeowners can replace damaged or aging trees
 - Increase overall tree canopy across the City
 - Trees improve quality of life
 - Public education on green initiatives
 - The program supports Neighborhood Beautification Programs
 - Provides opportunities for City staff and communities to interact



Overview

- Tree Benefits:
 - Reduce surface runoff of water from storms
 - Reduce soil erosion and sedimentation of streams
 - Reduce wind erosion of soil
 - Increase shade/decrease heat island effects
 - Improve quality of life

Overview

- Tree Benefits:
 - Increase ground water recharge that is significantly reduced by paving
 - Reduce amounts of chemicals transported to streams
 - Reduce air pollution
 - Helps to improve health as they strongly encourage people to go to parks or in green environments for walking, exercising, jogging or biking
 - Raise property value

Background

- The Branch Out Dallas pilot program was introduced on March 6, 2019. The free tree giveaway program has been well received by Dallas residents.
- All 2,500 five-gallon hardwood trees provided at no cost to residents through 2nd Annual Branch Out Dallas program were reserved before the closing date.
- This brings the total number of free trees distributed to more than 5,000 since the first tree distribution of 2,600 trees March 2019.

Background

Eleven City Departments participate in the program:

- Dallas Water Utilities (DWU)
- Office of Environmental Quality and Sustainability (OEQS)
- Code Compliance (CCS)
- Dallas Public Library (LIB)
- Sustainable Development and Construction (SDC)
- Planning and Urban Design (PUD)
- Public Works (PBW)
- Public Affairs and Outreach (PAO)
- City Attorney (CAO)
- Park and Recreation (PKR)
- Dallas Fire Rescue (DFR)



2nd Annual Branch Out Dallas

- The program registration period was from September 1st – September 30th
- A webpage was created on Dallas Water Utilities site to inform the public about the program at www.dallacityhall/branchoutdallas
- Dallas residents registered and selected their 1st and 2nd tree choices at: www.dallacityhall/branchoutdallas. A confirmation email was sent from: BranchOutDallas@dallascityhall.com with tree pickup location

2nd Annual Branch Out Dallas

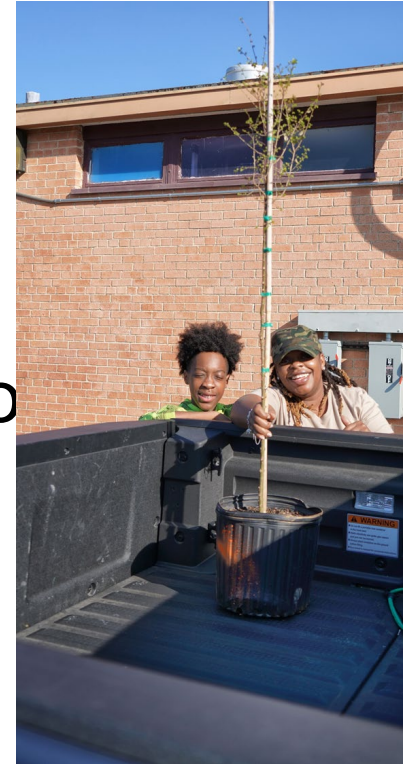
5- gallon large shade trees available in five tree choices:

1. Pecan
2. Shumard Oak
3. Chinquapin Oak
4. Mexican White Oak
5. Lacebark Elm



2nd Annual Branch Out Dallas

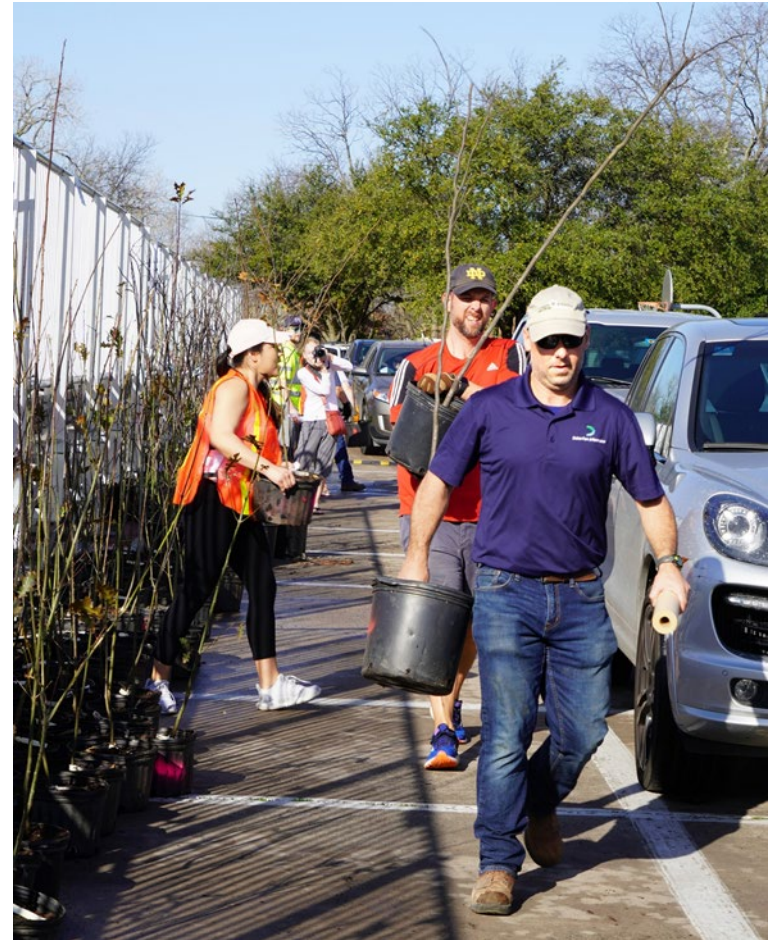
- Pick-Up Day: November 2, 2019
9:00 a.m. – 12:00 p.m.
- Six city-wide tree pick-up locations
 1. Hector Garcia Middle School
 2. C. A. Tatum Jr. Elementary School
 3. Kimball High School
 4. White Rock Church of Christ
 5. June Shelton School
 6. Northway Village Church



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2nd Annual Branch Out Dallas

- Event celebrated Dallas Arbor Day
- Volunteers registered at www.Voly.org
- Corporate, group and individual volunteers supported pick-up day activities



2nd Annual Branch Out Dallas

- Additional events celebrating Dallas Arbor Day – November 2, 2019
- JP Hawn Park tree planting-50 trees
- Kick Off Partnership: PKR, TTF and TXU Energy
- Tree planting completed by staff and volunteers







Environment and Sustainability



Branch Out Dallas

Environment and
Sustainability Committee

November 4, 2019

Terry S. Lowery, Director
Dallas Water Utilities



City of Dallas