

# Memorandum



CITY OF DALLAS

DATE May 6, 2016

TO Honorable Members of the Quality of Life Environmental Committee: Sandy Greyson (Chair),  
Tiffinni A. Young (Vice Chair), Rickey D. Callahan, Mark Clayton, Philip T. Kingston, B. Adam McGough

SUBJECT Urban Forestry

On Monday, May 9, 2016 the Quality of Life & Environment committee will be briefed on Urban Forestry by the Urban Forest Advisory Committee. The briefing materials are attached for your review.

Please let me know if you have any questions or need additional information.

A handwritten signature in blue ink, appearing to read 'Joey Zapata'.

Joey Zapata  
Assistant City Manager

c: The Honorable Mayor and Members of the City Council  
A.C. Gonzalez, City Manager  
Christopher D. Bowers, Interim City Attorney  
Craig D. Kinton, City Auditor  
Rosa A. Rios, City Secretary  
Daniel F. Solis, Administrative Judge  
Ryan S. Evans, First Assistant City Manager

Eric D. Campbell, Assistant City Manager  
Jill A. Jordan, P.E., Assistant City Manager  
Mark McDaniel, Assistant City Manager  
Jeanne Chipperfield, Chief Financial Officer  
Sana Syed, Public Information Officer  
Elsa Cantu, Assistant to the City Manager – Mayor & Council

**Supporting a Vision of an Urban Forest**

**City of Dallas**  
**URBAN FORESTRY DEPARTMENT**



City of Dallas  
Urban Forest Advisory Committee

# Supporting a Vision of an Urban Forest

Imagining The City of Dallas' **URBAN FOREST** as a thriving and sustainable mix of tree species and ages creating a continuous and healthy ecosystem valued and cared for by an **URBAN FORESTRY DEPARTMENT** along with all of its Citizens as essential **Environmental, Economic, and Community Assets**



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# Supporting a Vision of an Urban Forest

## Why does Dallas need an **URBAN FORESTRY DEPARTMENT**

From the recent *State of the Dallas Urban Forest Report (2015)*, *American Lung Association State of the Air (2015)*, and EPA note:

- Dallas is the 3rd hottest city in the USA
- DFW ranks 7th as the “worse ozone air quality” in the nation
- 60,000 children in Dallas suffer Asthma from poor air quality & environmental triggers



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# Supporting a Vision of an Urban Forest

## Why does Dallas need an **URBAN FORESTRY DEPARTMENT**

From the recent *State of the Dallas Urban Forest Report (2015)*, *American Lung Association State of the Air (2015)*, and EPA note:

- DFW will draw more than 3.0 million new residents by 2030
- Protect Dallas' 14.7 million trees w/ \$9.02 billion in replacement value
- Protect Dallas' Urban Canopy providing \$36.1 million annually in ecosystem services



City of Dallas

Urban Forest Advisory Committee

# Supporting a Vision of an Urban Forest

## Why does Dallas need an **URBAN FORESTRY DEPARTMENT**

- Help Protect and Replant **TREES** which:
  - Help clean polluted air
  - Reduce the impact of the “Heat Island” effect in summer. The heat island increases the negative impact of poor air quality
  - More trees are cut down in the city of Dallas than planted every year



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# Supporting a Vision of an Urban Forest

## Why does Dallas need an **URBAN FORESTRY DEPARTMENT**



Decaying &  
Damaged **TREES**



Improper Street  
**TREE** Maintenance



Adding Trees to reduce  
Severity of Flooding



Assist in Replacing  
Street **TREES**



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# Supporting a Vision of an Urban Forest

## Why does Dallas need an **URBAN FORESTRY DEPARTMENT**

- Zero **Urban Foresters** currently oversee City of Dallas Street Trees, Medians & Parkways – an Urban Forest consisting of 14.7 million **TREES**
- One **Urban Forester** oversees the **Great Trinity Forest** watershed, which provides 20% of all tree benefits to the Greater Dallas Area



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# Supporting a Vision of an Urban Forest

Joining the ranks of progressive sustainable “**Tree**” cities with an

## **URBAN FORESTRY DEPARTMENT:**

Austin, TX; Ft. Worth, TX; Houston, TX  
Los Angeles, CA; Chicago, IL; Philadelphia, PA  
Portland, OR; Seattle, WA; Vancouver UBC  
**DALLAS, TX**



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# Supporting a Vision of an Urban Forest

## Texas Peer Cities **URBAN FORESTRY DEPARTMENT:**

City	Functions	Budget	Staff
<b>AUSTIN, TX</b>	Plantings Parks, Medians, Streets; Maintenance; Community Education	\$2,206,008	28
<b>FT. WORTH, TX</b>	Plantings Parks, Medians, Streets; Maintenance; Community Education	\$1,884,184	21
<b>HOUSTON, TX</b>	Green Space Management & NeighborWoods programs; Community Education	\$4,480,000	Not Available



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# Supporting a Vision of an Urban Forest

## Proposed Dallas URBAN FORESTRY DEPARTMENT:

City	Functions May Include	Budget	Staff
DALLAS, TX	<ul style="list-style-type: none"><li>• Maintain the current <b>Urban Forest</b></li><li>• Plant replacement <b>TREES</b> to offset losses due to old age &amp; development</li><li>• Only \$1.67 per resident</li><li>• Streamline the Reforestation Fund Neighborhood Tree Planting Process</li></ul>	\$2,139,348	20



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# Supporting a Vision of an Urban Forest

## Proposed Dallas URBAN FORESTRY DEPARTMENT:

City	Functions May Include	Budget	Staff
DALLAS, TX	<ul style="list-style-type: none"><li>• Work with the Trinity Watershed Management &amp; US Army Corp of Engineers to manage the <b>Great Trinity Forest</b></li><li>• Educate the Public re: <b>Tree</b> Care &amp; Maintenance</li></ul>	\$2,139,348	20



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# Supporting a Vision of an Urban Forest

## Proposed Dallas URBAN FORESTRY DEPARTMENT:

City	Functions May Include	Budget	Staff
DALLAS, TX	<ul style="list-style-type: none"><li>Assist Citizens, with the support of the <b>Citizen Urban Foresters</b> to plant new <b>TREES</b> in Public Spaces, Schools, Parks, Medians &amp; Parkways</li><li>Encourage Citizens to plant <b>TREES</b> on private property in a safe manner</li></ul>	\$2,139,348	20



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# Supporting a Vision of an Urban Forest

## Proposed Dallas **URBAN FORESTRY DEPARTMENT:**

City	Functions May Include	Budget	Staff
DALLAS, TX	<ul style="list-style-type: none"><li>Secure outside grants and funding to begin the process of maintaining and expanding the Urban forest and leverage public funding</li></ul>	\$2,139,348	20



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# Supporting a Vision of an Urban Forest

## URBAN FORESTRY DEPARTMENT protecting ENVIRONMENTAL Assets



- **Trees** reduce flooding through Storm Water Tree Trenches / Storm Water Trees
- **Trees** improves air quality through reducing carbon
- Protect Dallas' **Urban Canopy** providing \$36.1 million annually in ecosystem services



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## URBAN FORESTRY DEPARTMENT promoting **Economic Assets**



- **Trees** Increase Property Value. Street trees increase value 10-15% (*Zillo*)
- Increase in consumer spending in **tree-lined** business districts provides added Tax value
- Protect Dallas' 14.7 million **trees** w/ \$9.02 billion in replacement value



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## URBAN FORESTRY DEPARTMENT supporting **Community Assets**



**Trees** Increase Walkability,  
Health and Comfort



Encourage Community  
Bonding & Strength



Encourage Neighborhood  
Revitalization & Investment



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## City of Dallas URBAN FORESTRY DEPARTMENT



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