



A NEW DAY.

Tree Commission
Friday, June 28, 2024 – 9am-11am

PUBLIC MEETING NOTICE FOR ZOOM MEETING
AND Ed Ball Bldg., 10th Floor, Conference Room 5

Notice is hereby given that the Tree Commission will meet pursuant to State of Florida Executive Order 20-69 (Emergency Management-COVID-19-Local Government Public Meetings). These meetings are pursuant to City Ordinance 2017-397, Chapter 54.

Interested persons desiring to attend this meeting can do so in person at **Ed Ball Bldg., 10th floor, conference room 5** or via ZOOM using the following meeting access information:

Topic: Tree Commission

Time: Friday June 28, 2024, 09:00 AM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/89955690906>

Meeting ID: **899 5569 0906**

Find your local number: <https://us02web.zoom.us/j/89955690906>

Tree Commission Agenda: [Jacksonville.gov - Tree Commission](https://jacksonville.gov/Tree-Commission)

Interested persons who cannot attend this Zoom meeting but who wish to submit public comments to be read during the public comment portion of the meeting regarding any matter on the agenda for consideration at the meeting may do so by emailing Charles Hayes at kennethh@coj.net at least 2 hours before the meeting start time of 9:00am. A recording of this meeting will be made available after its conclusion upon request at kennethh@coj.net.

Jacksonville Tree Commission

Friday June 28, 2024, 9:00 AM

**Ed Ball Building, 10th Floor, Conference Room 5
and Zoom**

Commissioners: Curtis Hart, Chair
Susan Fraser
Chris Miller
Nina Sickler
John Moscarillo
William Burke
Patrick Howell

Advisors: Jonathan Colburn
Justin Gearhart
Shannon MacGillis
Jose Regueiro

Staff: Charles Hayes

AGENDA

Order of Agenda is Subject to Change

- 1. Call to Order - Chair**
- 2. Roll Call and Verification of Quorum – Chair**
- 3. Submittal of Speaker’s Cards – Chair**
 - a) A raised hand icon will be acknowledged by the Chair.
 - b) For those attending in person, paper speakers’ cards will be available.
- 4. Action Items:**
 - a) Approval of Minutes May 15, 2024 - Chair
 - b) Level 3 Project Proposal
 - c) Level 2 Project Proposal
- 5. Reports:**
 - a) Financial Report for Ordinance Tree Fund (15304), Charter Tree Fund (15305) and BJP (Attachment D) – Jose Regueiro
 - b) Fund Status of 630-CITY, Remove & Replace and Level 2 Programs (Attachment E) – Justin Gearhart
 - c) Status of Level 2 Tree Projects (Attachment F) – Justin Gearhart
 - d) Parks Department Project Update – Kathleen McGovern/Jill Enz

6. New Business:

- a) Late Bloomers Palm Tree and Policy Change Discussion – Natalie Rosenberg

7. Old Business:

- a) Minimum Design Requirements for Urban Tree Planting – Jonathan Colburn

8. Public Comment:

- 9. Adjournment** – Next meeting July 17, 2024, 9:30am-11:30am as a Hybrid/Zoom meeting in Ed Ball Building, 10th Floor, Public Works Office, conference room 5.

Jacksonville Tree Commission

Amended Minutes

Wednesday May 15, 2024 – 9:30 AM

Via Zoom Platform & In Person

[Recording of Meeting can be obtained by sending request to
Charles Hayes kennethh@coj.net]

For approval June 28, 2024

Commissioners:

Nina Sickler, Director of Public Works
Curtis L. Hart, Chair (Council Appointee; 2012-0033-A)
Susan Fraser (Council Appointee; 2022-0063-A)
John Moscarillo (Mayor Appointee; 2023-0696-A)
William Burke (Mayor Appointee; 2023-0695-A)
[vacant] (pending 2024-0388, Council Appointee)

Advisors:

Jonathan Colburn - Urban Forestry Manager
Justin Gearhart - City Arborist
Shannon MacGillis - Office of General Counsel

Staff: Charles Hayes

1. Call to Order

Conducted by Chair

2. Roll Call and Verification of Quorum

Conducted by Chair

Commissioners present:

Curtis Hart, Chair
Susan Fraser
Nina Sickler
John Moscarillo
William Burke

Quorum present (4, in person): yes

3. Call for Public Speakers (online & card):

Nancy Powell Executive Director for Scenicjax turned in request to speak card.

Action Items:

4. Curtis Hart introduced Alden Howell, the newly nominated Tree Commission Council appointee (subject of resolution 2024-0388, pending). Howell was advised by **Hart** and **Shannon MacGillis** that he could participate in the discussion but was not allowed to vote until the final approval vote from the City Council.

5. Prior Meeting Minutes.

Issue: The minutes for the meetings of February 21, March 20, and April 17, 2024 pending approval.

Susan Fraser - Commission Member: stated the February minutes on the issue of Trees to Add to Approved Species List, were not specific enough and needed to be amended to reflect the specific conditions that Parks would need to present a presentation before fruit trees are used to show they have a plan how to manage them in public places.

Motion: to amend minutes of February 21, on page 7, regarding the motion on Fruit Trees, to reflect the specific condition that Parks "make a presentation regarding fruit trees".

Moved by: Susan Fraser

Second: Nina Sickler

Vote: Approved, unanimous.

Motion: to approve February 21 Minutes, as amended.

Moved by: Susan Fraser

Second: William Burke

Vote: Approved, unanimous.

Motion: to approve minutes for March 20, 2024, as presented.

Motion by: Susan Fraser

Second: Nina Sickler

Vote: Approved, unanimous.

Motion: to approve minutes for April 17, 2024, as presented.

Motion by: Susan Fraser

Second: William Burke

Vote: Approved, unanimous.

6. June Meeting Date

Issue: The third Wednesday in June fall on a holiday

General discussion about moving meeting from June 15 which is a holiday. **Sickler** suggested that we circulate emails.

MacGillis stated that dates could be discussed by "one-way" emails but not emails to "all" or between multiple Commission members, to prevent Sunshine violations.

Hart: Staff assigned to get some dates to the members for scheduling.

Hart raised the point to **Howell**, and other members possibly, needing to attend the Ethics/Sunshine Course. **MacGillis** stated that she would check on the next offerings and for those seeking attendance to email her.

7. Design Standards Subcommittee Discussion

Issue: Further discussion on Design Standards that was touched on in the last meeting that included tree planting, the medium, and what trees were planted in.

Burke: Stated that he had done designs for the city in the past and Public Works has some standards. He explained that this information could be used.

Hart: Explained that Context Sensitive Streets Special Committee (CSSSC) deals with everything above the ground but feels they do not take in consideration below the ground.

Dave McDaniels: stated the Subdivision Standards and Policy Advisory Committee (SSPAC) was working on the manual rewrite.

Hart: advised William Burke to attend the next SSPAC and report back to the Commission.

Generally: The Committee discussed the benefit to the Tree Commission of Tree Commission having a set standard so that applicants for use of Tree Commission funding could be implemented during the development phase of planning and going to other committees and getting more information from the Urban Forestry Manager will assist in the task.

Hart: deferred the discussion to the next meeting.

8. Level 2 Project Proposal Alden Road

Issue: Tree Planting project proposed in the northern Right of Way of Alden Road between John Promenade Blvd and Alden Trace Blvd W. The project would consist of planting a variety of shade trees that would serve as an aesthetic improvement and heat reduction. The planting would also help filter and slow down stormwater runoff.

Justin Gearhart - City Arborist: Briefed project and exact location for the plantings. He explained the area has dry soil, so the species selected was based on this. Justin stated that it would be a combination of 12 Sycamores, 18 Pine, 7 Yaupon Holly, and 4 oaks. He also explained that it was clear of the water pipes and that it has been cleared by Traffic. The trees will have a two-year warranty. Requesting \$76,282.56.

Fraser: Stated Sycamores can be problematic with their leaves and would recommend live oaks.

Gearhart: Explained that the use of Sycamores add diversity due to the amount of oaks already in the area, and Sycamores do well in the soil, and grow fast for the canopy, and may help keep certain disease (rust and canker) down, and having Sycamore being a part of the planting project adds color and quick shade, therefore meet the needs of the consumers of the area being planted.

Generally: The Commission discussed whether Sycamores or Oaks should be used. This also included the spacing of trees, distance from the sidewalk, and distance from water lines.

Motion: to approve Alden Road, as presented.

Motion by: Nina Sickler

Second: John Moscarillo

Vote: approved, unanimous.

9. Financial Report: Jose Regueiro not present.

Chair Hart: deferred to next meeting.

10. Fund Status of 630-City, Remove & Replace, and Level 2 Programs

Justin Gearhart - Briefed as of May 1, 2024, remove & replace was \$429,985 but will come down to about \$200,000 due to various projects, 630-CITY \$2,371,402, Level 2 down \$1M and is now \$3,491,079, Level 3 \$1,549,250 but Level 3 projects have not been paid (RiversEdge and Mayport). Total funds not obligated \$2.7M.

Fraser: asked for BJP funds update.

MacGillis: Draft will be filed May 22 - \$1M Charter to Remove and Replace, \$1.7M BJP to Remove and Replace, \$1.5 Charter to Level 2, \$2M Ordinance to Level 3. Through the bill, all the BJP funds will have been moved. Introduction to Council May 28, Committee week June 17, and final Council action June 25.

11. Level 2 Updates

Gearhart: Briefed Baker Front, Gold Star Phase 1, Kernan Blvd, and Ft. Caroline have reached the end of warranty period.

Hart: asked to have completed list in the meeting.

12. Status of Level 2

Gearhart: briefed not a lot of changes from month prior, currently in the last month of Gold Star. Several projects will be out of warranty.

13. Parks Department Project Update

Kathleen McGovern: Riverwalk Phase 2 is in progress, S-line is 30% complete and Lift Every Voice and Sing parks is in progress. Community centers are getting started.

14. Public Comment - out of order

Nancy Powell - Scenicjax Stated River Front plaza was started the tree plan didn't come through the Commission and number of trees were taken down. Stated she and others had asked to design around the large, older trees. Other parks are coming and will ask for money need to take this into consideration.

Sickler: stated that she will ensure this happens, but it will only come in front of the Tree Commission if they request funding.

Generally: Committee discussed the scope of the Tree Commission. Does the project have to come through the Commission if they are not asking for money as part of the tree preservation and what authority the Commission has. The Tree Commission, by ordinance, has the scope of monitoring all planting projects and the Commission needs to get guidance from administration as to the full role intended for the Commission.

Hart: Stated that it is up to the administration to set the role beyond overseeing the money; and agreed that the authority to review non-Tree Fund requests is within the ordinance scope of duties of the Commission.

Sickler: Stated that she can have the Project Managers build it into their schedules to present their project before the Tree Commission for information and input and it would add value.

Hart: Stated if this happened then this could be the public forum for the CIP projects.

Sickler: suggested that City could present a CIP funded project to the Commission and the Commission could make additional planting suggestions or modifications to the plan with the additions being funded by Tree Fund.

Hart: agreed that City could present a CIP funded project to the Commission and the Commission could make additional planting suggestions or modifications to the plan with the additions being funded by Tree Fund. Hart suggested that an ordinance could read of a 10% threshold of tree removal must come to Tree Commission.

MacGillis: pointed out that the current ordinance articulates that the Commission has the authority to review historical trees and exceptional specimen trees.

Hart: stated he could set up Subcommittee, including himself and Fraser and anyone else, to create criteria regarding tree size requiring pre-application that mandates the project come through Tree Commission to come up with criteria for whether trees come down or not and get an ordinance created for the Council to approve.

MacGillis: asked if this was intended as a running Subcommittee or a Task Force; **Hart:** his intention is to set up a Task Force to consider processes to cause any project with historic or exceptional specimen trees come to Commission, pre-permit.

16. New Business

Jacksonville City Council 2024 leadership Installation

Chair explained event to occur on June 20 at 5pm.

Fraser: asked if the group "Late Bloomers" could present at a future Commission meeting. (**Hart** stated to put it on an agenda)

17. Old Business

Tree Removal Reporting

Issue: Committee requested report on tree removal.

Gearhart: Showed report that Plans created.

Fraser: asked if could get number of trees and site.

Planning - stated not all based on categorized by inches.

Generally: Talked about the report and what exact information needed to help or would like to see. If you can see the pattern of development and trends could assist with projects to plant.

Tree Commission functions presentation to Council members.

Sickler: inquired on which future Committees to present on Tree Commission. **Hart** to **MacGillis** agreed to look into scheduling.

END OF MEETING 11:00AM

DRAFT

City of Jacksonville

Tree Commission

Financial Highlights

May 31, 2024

1. Combined revenues YTD are \$4.0 million compared to \$3.67 million for May-23.
2. Combined expenses YTD are \$4.0 million compared to \$2.6 for May-23.
3. Combined revenues for May-24 were \$586k, and combined expenses were \$427k, which created a net income of \$158k.
4. Unappropriated/Unallocated (including BJP funds) were \$24.3 million.
5. The Ordinance fund (15304) YTD has a favorable net position of \$7k.

City of Jacksonville
Tree Commission
Financials Combined
Balance Sheet
May 31, 2024

Cash	35,246,355.87	
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Accounts Payable	696.96	
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Fund Balance		
Beginning Fund Balance	35,242,058.16	
YTD Gain\Loss	7,255.75	
Adjusted Fund Balance	35,249,313.91	

Available Balance Calculation

Cash	35,246,355.87	Bank Funds
Less:		
AP	696.96	Accounts Payable
Funds Available	7,698,046.00	Appropriated Funds by City Council
Encumbrances (Open POs)	4,940,829.47	Appropriated and Allocated
Sub-Total Adjustments	12,639,572.43	
Unappropriated/Unallocated	22,606,783.44	
Appropriated/Unallocated *	1,717,826.00	Better Jacksonville Plan **
Total Unallocated Funds	24,324,609.44	

* Better Jacksonville Funds are not in Ordinance or Charter Funds. Therefore, the Tree Commission cannot re-appropriate those funds.

** Better Jacksonville dollars are budgeted to See Activities/Projects Sheet

City of Jacksonville
Tree Commission
Financials Combined
Statement of Activity
May 31, 2024

	Actuals		Budget
	31-May	YTD	
Revenues			
Ordinance appropriation			530,506.00
Tree Mitigation Funds - Article 25	141,089.00	942,041.00	
Investment Pool Earnings	117,135.29	900,418.09	
Contributions From Private Sources	328,491.00	2,161,872.00	
Misc Sales and Charges	-	2,200.20	
Contribution-Loss Deductible	-	8,114.49	
Transfer from fund balance	-	-	
Total	586,715.29	4,014,645.78	530,506.00
Expenses			
Summarized expenses	427,769.47	4,007,390.03 *	16,646,906.88
Net	158,945.82	7,255.75	(16,116,400.88)

* Budget is comprised of current year budget and prior year carry forward.

City of Jacksonville
Tree Commission
Ordinance - 15304 - Tree Protection & Related Expenditures
Balance Sheet
May 31, 2024

<u>Equity in Pooled Cash</u>	25,567,633.18
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<u>Accounts Payable</u>	696.96
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<u>Fund Balance</u>	
Beginning Fund Balance	26,175,218.96
YTD Gain\Loss	<u>(608,282.74)</u>
Adjusted Fund Balance	<u>25,566,936.22</u>

<u>Available Balance Calculation</u>	
Cash	25,566,936.22
Less:	
AP	696.96
Funds Available(Budget)	7,698,046.00
Encumbrances (Open POs)	<u>4,940,829.47</u>
Sub-Total Adjustments	<u>12,639,572.43</u>
Unappropriated/Unallocated	<u><u>12,927,363.79</u></u>

City of Jacksonville
Tree Commission
Ordinance - 15304 - Tree Protection & Related Expenditures
Statement of Activity
May 31, 2024

	<u>31-May</u>	<u>YTD</u>	<u>Budget</u>
Revenues			
Ordinance appropriation			530,506.00
Tree Mitigation Funds - Article 25	56,259.00	563,832.00	
Investment Pool Earnings	85,491.05	663,088.60	
Contributions From Private Sources	328,491.00	2,161,872.00	
Misc Sales and Charges	-	2,200.20	
Contribution-Loss Deductible	-	8,114.49	
Total Revenue	<u>470,241.05</u>	<u>3,399,107.29</u>	<u>530,506.00</u>
Expenses			
Expenses *	427,769.47	4,007,390.03	16,646,906.88
Net	<u>42,471.58</u>	<u>(608,282.74)</u>	<u>(16,116,400.88)</u>

* Budget is comprised of current year budget and prior year carry forward.

City of Jacksonville
Tree Commission
Charter - 15305- Tree Mitigation & Related Expenditures
Balance Sheet
May 31, 2024

<u>Equity in Pooled Cash</u>	9,678,722.69
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<u>Accounts Payable</u>	-
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<u>Fund Balance</u>	
Beginning Fund Balance 10/1/22	9,066,839.20
YTD Gain\Loss	615,538.49
Adjusted Fund Balance	<u>9,682,377.69</u>

Available Balance Calculation	
Cash	9,678,722.69
Less:	
AP	
Funds Available	
Encumbrances (Open POs)	-
Sub-total	<u>-</u>

<u>Unappropriated/Unallocated</u>	<u><u>9,678,722.69</u></u>
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City of Jacksonville
Tree Commission
Charter - 15305- Tree Mitigation & Related Expenditures
Statement of Activity
May 31, 2024

	Actuals		Budget
	31-May	YTD	
Revenues			-
Tree Mitigation Funds - Article 25	84,830.00	378,209.00	
Investment Pool Earnings	31,644.24	237,329.49	
	116,474.24	615,538.49	
Expenses			-
	-	-	
Net	116,474.24	615,538.49	-

Month of: As of 5/31/2024

Ledger COJ PL - Modified Accrual

Fund 15304 Tree Protection & Related

Account	Description	Beginning Balance (USD)	Debits (USD)	Credits (USD)	Ending Balance (USD)
104001	Equity in Pooled Cash Account	27,171,052.86	916,564.65	270,914.44	27,816,703.07
104201	Cash - JP Accounts Payable	-109,104.00	0.00	0.00	-109,104.00
104206	Cash - JP General Deposit	113,365.12	3,423,999.24	4,451,393.91	-914,029.55
104299	Bank Clearing	-129,194.29	4,570,281.73	5,248,062.67	-806,975.23
104998	Zero Invoice Clearing	-2,077.50	0.00	0.00	-2,077.50
104999	Cash Clearing	-416,883.61	0.00	0.00	-416,883.61
201101	Vouchers Payable Account	-450,212.43	5,406,549.26	4,957,033.79	-696.96
216101	Accrued Payroll Payable	-1,727.19	1,727.19	0.00	0.00
284101	Fund Balance - Unassigned Account	-26,175,218.96	0.00	0.00	-26,175,218.96
					608,282.74
					-25,566,936.22
343750	Tree Mitigation Funds - Article 25	0.00	0.00	563,832.00	-563,832.00
361101	Investment Pool Earnings	0.00	87,959.85	751,048.45	-663,088.60
366020	Contributions From Private Sources	0.00	27,729.00	2,189,601.00	-2,161,872.00
369050	Miscellaneous Sales and Charges	0.00	0.00	2,200.20	-2,200.20
369400	Contribution-Loss Deductible	0.00	0.00	8,114.49	-8,114.49
512010	Permanent and Probationary Salaries	0.00	45,937.45	1,523.85	44,413.60
521020	Medicare Tax	0.00	622.82	20.48	602.34
522070	Disability Trust Fund-ER	0.00	137.76	4.57	133.19
522130	GEPP Defined Contribution DC-ER	0.00	5,374.73	178.29	5,196.44
523010	Group Dental Plan	0.00	120.00	0.00	120.00
523030	Group Life Insurance	0.00	68.16	0.00	68.16
523040	Group Hospitalization Insurance	0.00	7,012.96	0.00	7,012.96
524001	City Employees Worker's Compensation	0.00	2,344.00	0.00	2,344.00
545020	General Liability Insurance	0.00	218.00	0.00	218.00
549006	Trust Fund Authorized Expenditures	0.00	4,563,169.24	616,027.90	3,947,141.34
549032	Clothing, Clean, Shoe Transfer Allow	0.00	140.00	0.00	140.00
Total for Fund 15304		0.00	19,059,956.04	19,059,956.04	608,282.74

Trial Balance Report

Report Date

6/2/2024

Month of: As of 5/31/24

Ledger

Fund 15305 Tree Mitigation & Related Expense

Account	Description	Beginning Balance (USD)	Debits (USD)	Credits (USD)	Ending Balance (USD)
104001	Equity in Pooled Cash Account	8,030,365.20	336,960.90	57,046.41	8,310,279.69
104201	Cash - JP Accounts Payable	-1,785.00	0.00	0.00	-1,785.00
104206	Cash - JP General Deposit	1,038,259.00	400,462.00	68,493.00	1,370,228.00
220902	Building Permit - Deposits	0.00	3,655.00	0.00	3,655.00
284101	Fund Balance - Unassigned Account	-9,066,839.20	0.00	0.00	-9,066,839.20
					-615,538.49
					-9,682,377.69
343750	Tree Mitigation	0.00	60,316.00	438,525.00	-378,209.00
361101	Investment Pool	0.00	26,378.41	263,707.90	-237,329.49
Total for		0.00	801,393.90	564,064.41	-615,538.49

9,682,377.69

End of Report

City of Jacksonville
Tree Commission
Activity/Project Status as of 5/31/2024

		Budget	Obligation	Expenditures	Funds Available
		5/31/2024	5/31/2024	5/31/2024	5/31/2024
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000378-County-Wide Tree Prog-Remove - Replace	3,593,411.85	1,678,747.12	1,694,323.94	220,340.79
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000541-Hammond Blvd Project	10,283.00	-	-	10,283.00
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000982-Tree Protection & Related Expenses	2,294.73	-	-	2,294.73
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001315-Level 2 Tree Planting Program	7,892,611.58	2,778,035.04	1,731,392.26	3,383,184.28
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001316-Moncrief Rd Beautification Project	140,238.62	-	-	140,238.62
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001623-Level 3 Tree Planting Program	1,677,648.60	128,397.95	-	1,549,250.65
		13,316,488.38	4,585,180.11	3,425,716.20	5,305,592.07
154006-PWML Tree Maintenance - Other Physical Environment	00000000-No Activity	517,865.48	209,343.44	287,469.76	21,052.28
	All Activity Values	517,865.48	209,343.44	287,469.76	21,052.28
154007-PWML 630-City Tree Planting Prog - Other Physical Environment	00000000-No Activity	2,812,553.02	250,051.20	191,099.40	2,371,402.42
	All Activity Values	2,812,553.02	250,051.20	191,099.40	2,371,402.42
		3,330,418.50			
		16,646,906.88	5,044,574.75	3,904,285.36	7,698,046.77
Better Jacksonville Plan					
153104-PWCP Public Works Capital Projects - Road and Street Facilities	008449-Tree Mitigation Project	1,717,826.00	-	-	1,717,826.00



TREE MITIGATION CITY OF JACKSONVILLE



TREE REMOVAL PERMIT INFORMATION

Click here to search detailed information on Site Clearing and Tree Removal Permits. In reviewing tree removal information on a specific permit, for "B" permits click on the Spec 2 tab; for "L" permits click on the Tree Mitigation tab.



TREE FUND CITY PLANTING PROJECTS

Click here to search detailed information about City Tree Fund Planting Projects.



AVAILABLE FOR APPROPRIATION

15F (Ordinance): \$12,927,419.37
15N (Charter): \$9,678,722.69
Better Jacksonville Plan - Tree Mitigation Project: \$1,717,826.00
Total: \$24,323,968.06



FILE AN ISSUE

Click here to report site clearing or tree removal without a permit, or to request tree maintenance on public property. In the CARE System, select "Tree Remove or Landscape Violation" from the dropdown.

Disclaimer: The AVAILABLE FOR APPROPRIATION information shown on this page is updated nightly from the City's financial records, but does not include any pending appropriations, or other financial transactions of the funds which have not been completed.



If you experience difficulty viewing or accessing the documents provided on this site, or navigating this application's table features, using any assistive technology please contact the Disabled Services Division at 904-630-4940 or 904-630-4933 (TTY) to request an accommodation.

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Version: 1.0.0.6

AVAILABLE FOR APPROPRIATION (a)

15304 (15F)	Ordinance	\$ 12,946,696.12
15305 (15N)	Charter	\$ 9,693,632.69
008449	Tree Mitigation Project	\$ 1,717,826.00
		<u>\$ 24,358,154.81</u>

The BIG 4

<u>Title</u>	<u>Obligations</u>	<u>Funds Available</u>
Level 2 Tree Planting Program (d)	\$ 2,748,482.09	\$ 3,383,184.28
Level 3 Tree Planting Program (d)	\$ 128,397.95	\$ 1,549,250.65
Remove/Replace (e)	\$ 1,642,756.14	\$ 220,340.89
630-CITY Tree Planting Program (e)	\$ 100,725.12	\$ 2,371,402.42

FY23 Revenues:

	<u>15304 (15F)</u>	<u>15305 (15N)</u>
October	\$ 449,607.00	\$ 65,200.00
November	\$ 84,657.56	\$ 40,326.00
December	\$ 197,787.09	\$ 52,769.80
January	\$ 696,190.66	\$ 75,280.63
February	\$ 417,914.36	\$ 68,340.92
March	\$ 682,801.34	\$ 123,877.39
April	\$ 193,824.43	\$ 41,289.26
May	\$ 515,670.96	\$ 257,573.03
June	\$ 479,837.20	\$ 124,359.62
July	\$ 742,385.42	\$ 94,720.77
August	\$ 793,148.92	\$ 209,056.86
September	\$ 614,426.48	\$ 122,897.63

FY24 Revenues:

October	\$ 426,299.91	\$ 48,368.70
November	\$ 60,714.00	\$ 30,685.00
December	\$ 222,544.56	\$ 65,191.49
January	\$ 162,331.63	\$ 57,325.88
February	\$ 1,272,241.65	\$ 39,706.27
March	\$ 355,939.11	\$ 142,970.84
April	\$ 437,057.38	\$ 114,816.07
May	\$ 498,969.05	\$ 116,474.24

FY23 Expenses:

	<u>15304 (15F)</u>	<u>15305 (15N)</u>
October	\$ 152,114.90	\$ -
November	\$ 466,468.35	\$ -
December	\$ 344,960.64	\$ -
January	\$ 491,890.84	\$ -
February	\$ 441,105.36	\$ -
March	\$ 211,444.66	\$ -
April	\$ 223,992.71	\$ -
May	\$ 278,167.84	\$ -
June	\$ 752,669.90	\$ -
July	\$ 335,550.47	\$ -
August	\$ 370,636.57	\$ -
September	\$ 944,396.64	\$ -

FY24 Expenses:

October	\$ 119,529.98	\$ -
November	\$ 392,524.81	\$ -
December	\$ 1,210,324.57	\$ -
January	\$ 568,415.76	\$ -
February	\$ 389,344.50	\$ -
March	\$ 502,833.85	\$ -
April	\$ 404,643.01	\$ -
May	\$ 428,409.97	\$ -

(a) jaxtreemitigation.coj.net

(b) total appropriated, but unobligated, funds

(c) purchase order(s) have been issued for these funds

(d) Tree Commission may make recommendations for these appropriations

(e) Public Works utilizes these appropriations

Prepared 6/18/24 LD

	<u>15304 (15F)</u>	<u>15305 (15N)</u>
Funds Available (b)	\$ 7,773,046.88	\$ -
Obligations (c)	\$ 4,817,749.14	\$ -

The City of Jacksonville has two separate laws that provide protection for certain trees and require mitigation for damage or removal of certain trees caused by the process of land development. Mitigation is required either through planting or replanting of a calculated amount of mitigation trees or through making a specified payment into the Tree Protection and Related Expenses Trust Fund codified by Sec. 111.760, Ordinance Code. These laws are Article 25 of the Charter of the City of Jacksonville and Chapter 656, Part 12, Subparts A & B of the Ordinance Code. Each provision has specific criteria for what is characterized as a "protected tree" and thus would require replacing through the development process of a site, or if a replacement is not made, how the "mitigation fee" is calculated for removal of trees without replacement. The mitigation fee that is paid by developers who are unable to replace the trees destroyed during construction, as required by both provisions, is placed in the Tree Protection and Related Expenses Trust Fund. Moreover, funds received from application of the Charter are held in Fund 15305 and funds received from application of the Ordinance Code are held in the Fund 15304.

Since 2017

Remove and Replace

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated	Project	Purchase Order Amount	Date	Remainder in project	Status
Amount	Project	Amount	Date	Remainder in project	Status
\$300,000.00	Nov-18				
\$2,000,000.00	Nov-19				
\$2,000,000.00	Apr-21				
\$4,000,000.00	Dec-22				
	Remove and Replace	\$1,250,000.00	11/18/2020	\$20,768.56	Open
	8th Street	\$37,078.00	7/8/2022	\$1,854.00	Open
	Atlantic Blvd	\$26,483.50	8/31/2022	\$2,628.10	Open
	Round 13	\$14,300.00	1/17/2023	\$1,430.00	Open
	Parks Replacement (FY23)	\$336,365.00	4/24/2023	\$105,176.00	Open
	Round 16	\$34,070.55	5/11/2023	\$6,814.11	Open
	Old River Road	\$1,141.60	8/17/2023	\$292.32	Open
	Round 18	\$49,650.00	9/15/2023	\$11,254.00	Open
	Parks R&R Removals	\$700,000.00	11/3/2023	\$377,027.25	Open
	PWML R&R Removals	\$1,000,000.00	11/3/2023	\$320,053.11	Open
	Parks Replacement (FY24)	\$500,000.00	11/27/2023	\$324,989.00	Open
	Round 19	\$52,900.00	11/15/2023	\$10,580.00	Open
	Baymeadows R&R	\$169,819.05	12/21/2023	\$33,963.81	Open
	Round 20	\$63,000.00	1/19/2024	\$63,000.00	Open
	Round 21	\$1,547.20	1/18/2024	\$309.44	Open
	Old Saint Augustine R&R	\$55,877.46	2/14/2024	\$11,175.49	Open

Remove and Replace

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated	Project	Purchase Order Amount	Date	Remainder	Status
Amount	Project	Amount	Date	Remainder in project	Status
	Round 22	\$25,425.81	3/6/2024	\$25,425.81	Open
	Fort Caroline R&R	\$185,252.23	3/28/2024	\$37,050.45	Open
	8028 Concord Blvd W	\$871.20	5/1/2024	\$174.24	Open
	2024-03	\$90,400.00	5/2/2024	\$90,400.00	Open
	Greenland Road R&R	\$101,044.45	5/8/2024	\$101,044.45	Open
	2024-04	\$108,600.00	5/14/2024	\$108,600.00	Open
\$8,300,000.00	Total	\$8,673,123.36	Total	\$1,654,010.14	
			Available for Remove and Replace Allocation	\$220,340.89	

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Green fill indicates amount available in pool of money

Orange Fill indicated total money for column

Since 2017

630-City

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated	Project	Purchase Order Amount	Date	Remainder	Status
Amount	Date	Amount	Date	Remainder in project	Status
\$200,000.00	Nov-18				
\$1,600,000.00	Aug-19				
\$2,000,000.00	Nov-21				
\$2,000,000.00	Dec-22				
	630-City Round 20	\$129,681.60	12/4/2023	\$25,936.32	Open
	630-City Round 21	\$74,140.80	2/2/2024	\$74,140.80	Open
\$5,800,000.00	Total	\$4,482,463.62	Total	\$100,077.12	
			Available for 630-City Allocation		
				\$2,371,402.42	

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Green fill indicates amount available in pool of money

Orange Fill indicated total money for column

Since 2017

Level 2

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated		Allocation		Purchase Order Amount		Remainder		Status	
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Date	Status
\$1,000,000.00	Feb-19								
\$2,000,000.00	Jan-20								
\$2,000,000.00	Jan-21								
\$2,000,000.00	Aug-21								
\$8,000,000.00	Jun-22								
		Park Street Rd Diet	\$399,526.00	6/16/2021	\$399,526.00	8/24/2021	\$399,526.00		On Hold
		Jax Beach Level 2	\$277,789.50	9/22/2021	\$277,789.50	1/12/2022	\$13,889.46		Open
		Columbia Parkway Retention Pond	\$51,840.00	12/15/2021	\$51,840.00	1/21/2022	\$2,592.00		Open
		Jarboe Park	\$145,918.00	12/15/2021	\$145,918.00	1/24/2022	\$7,295.90		Open
		Northbank Riverwalk	\$138,801.00	12/15/2021	\$116,125.00	5/17/2022	\$11,612.50		Open
		Fishweir Park	\$40,014.00	3/23/2022	\$40,014.00	6/23/2022	\$4,001.40		Open
		District 7 Parks	\$106,000.00	1/1/1900	\$94,000.00	4/25/2023	\$18,800.00		Open
		District 5 Parks	\$457,600.00	4/20/2022	\$280,250.00	4/28/2023	\$56,050.00		Open
		Deerwood Park Blvd	\$86,319.00	5/18/2022	\$86,319.00	6/30/2022	\$4,315.95		Open
		Hanna Park	\$268,584.80	6/13/2022	\$268,584.80	8/15/2022	\$26,858.48		Open
		Saint Johns Bluff Rd	\$388,238.50	7/20/2022	\$388,238.50	8/29/2022	\$38,823.84		Open
		Collins Road	\$338,265.00	9/21/2022	\$338,265.00	11/23/2022	\$33,826.50		Open
		College Street	\$13,019.00	11/16/2022	\$13,019.00	12/21/2022	\$1,301.90		Open
		Parking Medians	\$153,643.00	11/16/2022	\$153,643.00	12/29/2022	\$23,046.45		Open
		Airport Center Drive East	\$2,300,000.00	12/21/2022	\$1,141,500.00	7/14/2023	\$614,169.57		Open
		GoldStar Phase 2	\$121,345.16	12/21/2022	\$121,345.16	7/11/2022	tree		Open
		GoldStar Phase 2	\$61,479.00	2/15/2023	\$61,479.00	3/21/2023	\$9,221.85		Open
		Prosser	\$591,059.00	2/15/2023	\$591,059.00	3/23/2023	\$88,658.85		Open
		Fort Caroline Rd Pond	\$27,216.00	4/19/2023	\$27,216.00	5/11/2023	\$4,082.40		Open
		Kernan BLVD N							
		Price Park							

Level 2

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated		Allocation		Purchase Order Amount		Remainder		Status	
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status	Status
		Amelia View Phase 2	\$62,370.00	4/19/2023	\$62,370.00	5/11/2023	\$12,474.00	Open	Open
		Parks Northwest Districts	\$321,440.00	4/19/2023	\$321,440.00	6/16/2023	\$64,288.00	Open	Open
		Fletcher and Hollywood Park	\$33,100.00	5/17/2023	\$33,100.00	6/27/2023	\$6,400.00	Open	Open
		Gator Bowl	\$41,185.00	7/19/2023	\$41,185.00	8/10/2023	\$6,177.75	Open	Open
		Westside Parks	\$402,600.00	7/19/2023	\$402,600.00	10/4/2023	\$161,040.00	Open	Open
		7th Street E	\$88,355.00	8/16/2023	\$88,355.00	9/14/2023	\$13,253.75	Open	Open
		District 7 and 10 Corridors	\$75,451.50	9/20/2023	\$75,451.50	11/1/2023	\$15,090.30	Open	Open
		Hodges Blvd	\$137,667.34	10/18/2023	\$137,667.34	12/14/2023	\$27,533.47	Open	Open
		Sheffield Park	\$126,500.00	10/18/2023	\$126,500.00	1/10/2024	\$50,600.00	Open	Open
		Lift Ev'ry Voice and Sing Park	\$223,335.00	11/15/2023	\$223,335.00	1/10/2024	\$223,335.00	Open	Open
		Northbank Riverwalk Phase 2	\$76,642.50	1/17/2024	\$76,642.50	4/2/2024	\$76,642.50	Open	Open
		Parks Senior and Community Centers	\$172,450.00	1/17/2024	\$172,450.00	4/2/2024	\$172,450.00	Open	Open
		Southern S-Line Enhancement	\$131,600.00	1/17/2024	\$131,600.00	4/2/2024	\$131,600.00	Open	Open
		McGirts Creek Preserve Restoration	\$265,000.00	1/17/2024	\$265,000.00	4/2/2024	\$265,000.00	Open	Open
		Various Parks	\$136,800.00	4/17/2024	\$136,800.00	5/29/2024	\$136,800.00	Open	Open
\$15,000,000.00	Total		\$13,364,704.11	Total	\$11,065,562.80	Total	\$2,720,758.22		
				Available for Level 2 Allocation			\$3,383,184.28		

Level 2

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated		Allocation		Purchase Order Amount		Remainder		Status
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Encumbered- Funds have been assigned to a project and a purchase order has been issued

Green fill Indicates amount available in pool of money

Orange Fill indicated total money for column

Since 2017

Level 3

15304 Ordinance Funds Available for Appropriation: As of 06/01/2024 there is \$12,927,419.37

Appropriated		Allocation		Purchase Order Amount		Remainder		Status
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status
\$1,000,000.00	May-20							
\$1,000,000.00	Dec-22							
		Jax Zoo	\$209,190.35	3/4/2021	\$209,190.35	10/27/2021	\$105,728.15	Open
\$2,000,000.00	Total	Total	\$450,789.35	Total	\$450,749.35	Total	\$105,728.15	
			Available for Level 3 Allocation			\$1,549,250.65		

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Green fill indicates amount available in pool of money

Orange Fill indicated total money for column

Since 2017

Charter Fund

15305 Charter Funds Available for Appropriation: As of 06/01/2024 there is \$9,678,722.69

Ordinance	Appropriated			Original			Status
Amount	Amount	Date	Project	Purchase	Order	Amount	Remainder in project
Amount	Amount	Date	Project	Amount	Amount	Amount	Amount
\$133,317.49							
Total	\$133,317.49		Total	\$133,317.49	Total	\$0.00	Status

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Orange Fill indicated total money for column

BJP

Better Jacksonville Plan- Tree Mitigation Dollars available for Appropriation: As of 06/01/2024 there is \$1,717,826.00

Appropriated		Project	Purchase Order		Date	Remainder	Status
Amount	Date		Amount				

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Jacksonville Tree Commission

Available Funds Summary (as of June, 2024)

	May-24	Jun-24
15F Ordinance Funds Available for Council Appropriation (a)	\$12,457,178.32	\$12,927,419.37
Allocated for Remove and Replace to Public Works (b)	\$429,985.34	\$220,340.89
Allocated for 630-City to Public Works (c)	\$2,371,402.42	\$2,371,402.42
Available for Level 2 Allocation by Tree Commission (d)	\$3,491,079.03	\$3,383,184.28
Available for Level 3 Allocation by Tree Commission (e)	\$1,549,250.65	\$1,549,250.65
Total Allocated to PW for 630-City and Remove & Replace (b) + (c)	\$2,801,387.76	\$2,591,743.31
Total Available for Allocation by Tree Commission (d) + (e)	\$5,040,329.68	\$4,932,434.93
15N Charter Funds Available for Council Appropriation (f)	\$9,562,248.45	\$9,678,722.69
BJP Tree Mitigation Dollars available for Council Appropriation (g)	\$1,717,826.00	\$1,717,826.00
Total Avail for Appropriation by Council (a) + (f) + (g)	\$23,737,252.77	\$24,323,968.06
Total Avail for Allocation by Tree Commission (d) + (e)	\$5,040,329.68	\$4,932,434.93
Total Funds Not Obligated	\$28,777,582.45	\$29,256,402.99

Encumbered Funds Summary (as of June 2024)

	May-24	Jun-24
<i>Obligated Level 2 Proj Funds</i>	\$2,650,319.23	\$2,720,758.22
<i>Obligated Level 3 Proj Funds</i>	\$105,728.15	\$105,728.15
Total Funds Obligated	\$2,756,047.38	\$2,826,486.37

ACTIVE CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT F

Visit <https://pg-cloud.com/JacksonvilleFL/> for City of Jacksonville Tree Project Maps

Visit jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Tree Commission Approval Date	Status	Allocated Amount	Contract/Warranty
Whitehouse Park/Parks and residential	Trees within play area and recreational fields. - 29 trees	Jun-21	Installation Complete	\$54,594.00	Liberty 2/yr
Norfolk Soutel Tree Planting	Trees within medians and right of way along Norfolk Blvd. 36 trees	Jul-21	Installation Complete	\$90,106.00	Liberty 2/yr
Jax Beach Park and ROW	Trees within parks and right of way. 150 trees	Sep-21	Installation Complete	\$277,789.50	Liberty 2/yr
Northbank Riverwalk	Trees along trail and riverside of Northbank Riverwalk/Geffen Park area. 68 trees	Dec-21	Installation Complete	\$116,125.00	Liberty 2/yr
Jarboe Park	Trees along play areas and trails of Jarboe Park. 76 trees	Dec-21	Installation Complete	\$145,918.00	Liberty 2/yr
Columbia Pkwy Retention Pond	Trees along play areas and trails of Jarboe Park. 29 trees	Dec-21	Installation Complete	\$51,840.00	Liberty 2/yr
Fishweir Park	Trees along nature trail. 21 trees	Mar-22	Installation Complete	\$40,014.00	Liberty 2/yr
District 7 Parks	55 trees.	Mar-22	Installation Complete	\$106,000.00	Greenway/1yr
District 5 Parks	195 Trees	Mar-22	Installation Complete	\$452,600.00	Greenway/1yr
Deerwood	Trees along median. 43 trees	May-22	Installation complete	\$86,319.00	Liberty 2/yr
Hanna Park	106 trees	Jun-22	Installation Complete	\$264,584.80	Liberty 2/yr
Saint Johns Bluff Road	Trees along Median. 189 trees	Jul-22	Installation Complete	\$388,238.50	Liberty 2/yr
Collins Road	Trees along median. 183 trees	Sep-22	Installation Complete	\$338,265.00	Liberty 2/yr
Airport Center Drive E	Trees along median. 76 trees	Nov-22	Installation Complete	\$153,643.00	Liberty 2/yr
College Street Parking Islands	Trees in Parking Islands, 4 trees.	Nov-22	Installation Complete	\$13,019.00	Liberty 2/yr
Gold Star Family Memorial Highway Phase 2	Trees within retention ponds and right of way. 1218 trees	Dec-22	Installing	\$2,300,000.00	To Bid 2/yr
Fort Caroline Road Pond	Trees within retention pond. 34 trees	Feb-23	Installation Complete	\$61,479.00	Liberty 2/yr
Kernan Blvd N	Trees within Right of way and Median- 276 trees	Feb-23	Installation Complete	\$591,059.00	Liberty 2/yr
Price Park	Trees within Right of way. 13 trees	Apr-23	Installation Complete	\$27,216.00	Liberty 2/yr
Amelia View Phase 2	Trees within Right of Way. 34 trees	Apr-23	Installation Complete	\$62,370.00	Liberty 2/yr
Northwest Parks	Trees in parks. 202 trees	Apr-23	Installation Complete	\$321,440.00	Greenway/1yr

ACTIVE CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT F

Visit <https://pg-cloud.com/JacksonvilleFL/> for City of Jacksonville Tree Project Maps

Visit jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Tree Commission Approval Date	Status	Allocated Amount	Contract/Warranty
Fletcher and Hollywood Park	Trees in park. 21 trees	May-23	Installation Complete	\$33,100.00	Greenway/1yr
GatorBowl	Trees in Median. 8 trees	Jul-23	Installation Complete	\$41,185.00	Liberty/2yr
Westside Parks Level 2	Trees in Parks (242 trees)	Aug-23	Installation Complete	\$402,600.00	Greenway/1yr
7th Street East	Trees in right of way (42 trees)	Aug-23	Installation Complete	\$41,185.00	Liberty/2yr
District 7 and 10 Corridors	Trees in right of way (39 trees)	Sep-23	Installation Complete	\$75,451.50	Liberty/2yr
Hodges Blvd Level 2	Trees in Median (59 trees)	Oct-23	Installation Complete	\$137,667.34	Liberty/2yr
Sheffield Park Level 2	In park (86 trees)	Oct-23	Installation Complete	\$126,500.00	Greenway/1yr
McGirts Creek Restoration Level 2	In Preserve (12,000 saplings)	Jan-24	Scheduling	\$182,750.00	Greenway/no warranty
Lift Ev'ry Voice and Sing Park Level 2	In Park (90 trees)	Nov-24	Installing	\$233,335.00	Greenway/1yr
Northbank Riverwalk Phase 2	36 trees	Jan-24	Installing	\$76,642.50	Greenway/1yr
Southern S-Line Enhancement	140 trees along S-line	Jan-24	Installing	\$131,600.00	Greenway/1yr
Alden Road	41 Trees along ROW	May-24	MBRC	\$76,282.56	Liberty 2/yr

Completed CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT B

Visit <https://pg-cloud.com/JacksonvilleFL/> for City of Jacksonville Tree Project Maps
 Visit jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Tree Commission Approval Date	Status	Approp.	Obligated	Contract/Warranty
Executive Director, Tree Hill Nature Center	22 trees requested in Tree Hill amphitheater parking area; site plan complete; no removals required; ready for review pending cost estimate per new countywide tree planting contract.	May-19	Complete	\$21,472.80	\$21,472.80	Liberty 3/mos
Sheffield Elementary School PTA President	10 Trees requested to provide shade for existing play area/field at Sheffield Elementary School; site visit complete - pending design and review.	May-19	Complete	\$20,414.48	\$20,414.48	Davey -1/yr
San Marco Preservation Society and Greenscape, San Marco Tree Planting	102 Trees requested in city right of ways within District 5, includes removal of damaged/diseased trees; site evaluation scheduled	Jun-19	Complete	\$247,749.52	\$247,749.52	Davey -1/yr
Kensington Association HOA Director	54 trees requested within Kensington Lakes city right of ways along Kensington Gardens Blvd. and Kensington Lakes Dr to replace trees lost due to storm damage/disease; may include removals. Planting Plan pending.	Aug-19	Complete	\$124,202.62	\$124,202.62	Davey -1/yr
S-Line Biodiversity Corridor Tree Planting	Installation of 25 trees throughout the S-Line Trail Biodiversity Corridor. This will offer additional tree canopy and shade to the trail.	Aug-19	Complete	\$30,949.40	\$30,949.40	Liberty 3/mos
City Cemetery - citizen request	18 Trees in right of ways on Ionia St. and Jessie St.	Dec-19	Complete	\$41,350.50	\$41,350.50	Liberty 2/yr
Baymeadows East Association Tree Planting	119 Trees in right of ways and medians on Baymeadows East and Fort Family Regional Park	Dec-19	Complete	\$284,900.07	\$284,900.07	Davey -1/yr
Cathedral District Tree Planting	50+ trees requested as Cathedral District (CD7) tree planting, may include removal of damaged/diseased trees. City right of way tree plantings within general proximity but not limited to State St to Catherine St. to Main St. to Adams St.; site evaluation scheduled	Jan-20	Complete	\$120,371.14	\$120,371.14	Liberty 2/yr
Yates Building - Cultural Council of Greater Jacksonville	8 Trees to be installed around renovated fountain at building entrance	Jan-20	Complete	\$38,312.00	\$38,312.00	Liberty 2/yr
Ed Austin Park Tree Planting/Resident request	115 Trees in right of ways around and within Willowbranch Park	Jun-20	Complete	\$214,822.00	\$214,822.00	Liberty 2/yr
Neptune Beach/Residential requests - City of Neptune	Trees within residential Right of Ways - 47 trees	Jul-20	Complete	\$55,490.00	\$55,490.00	Liberty 3/mos
Nathan Krestul Park - Friends of Krestul Park	Trees within Park - 34 trees	Jul-20	Complete	\$63,423.00	\$63,423.00	Liberty 2/yr

Completed CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT B

Visit <https://pg-cloud.com/JacksonvilleFL/> for City of Jacksonville Tree Project Maps
 Visit jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Tree Commission Approval Date	Status	Approp.	Obligated	Contract/Warranty
Alexandria Oaks Park/SMPS and Bolles School request	Trees within Park - 15 trees	Jul-20	Complete	\$28,593.00	\$28,593.00	Liberty 2/yr
Huntington Forest Park/Resident request to CM	Trees along Park Right of Way - Buffer - 15 trees	Jul-20	Complete	\$28,026.00	\$28,026.00	Liberty 2/yr
Canopy Place Tree Planting/resident request	Installation of 40 trees in city right of ways and medians to provide additional tree canopy, sound buffer and screening.	Oct-20	Complete	\$117,483.97	\$117,483.97	Davey -1/yr
Sunrise Ridge/resident request	Installation of 40 tree in city right of ways to increase tree canopy as well screening and buffer from adjacent highway.	Oct-20	Complete	\$107,316.52	\$107,316.52	Davey -1/yr
Jacksonville Beach Golf Park/Jax Beach	Installation of 156 trees in city golf course park to increase tree canopy, create screening, and attract wildlife.	Nov-20	Complete	\$147,562.80	\$147,562.80	Liberty 3/mos
Freedom Park/CM & Parks	Trees within newly established park (irrigated) - 38 trees	Dec-20	Complete	\$38,548.00	\$38,548.00	Liberty 3/mos
Blue Cypress Park Restoration/Parks	Trees within park - field restoration - 157 trees	Mar-21	Complete	\$187,154.40	\$187,154.40	Liberty 1/yr
Atlantic Beach/City of Atlantic Beach Phase 2	Trees within Atlantic Beach residential Right of Ways and Parks - 133 trees	May-21	Complete	\$164,404.80	\$164,404.80	Liberty 3/mos
Cobblestone Homeowners Association/residential requests/HOA	Installation of 105 trees in city right of ways and medians to provide additional tree canopy, sound buffer and screening.	Jun-20	Complete	\$192,922.00	\$192,922.00	Liberty 2/yr

BRINGING ORDER TO THE TECHNICAL DYSFUNCTION WITHIN THE URBAN FOREST¹

by James Urban

In order to increase the success rate of trees planted in the urban environment, there must be a significant change in the way trees are planted. The wide diversity in soil conditions found within urban areas suggests that there should be modifications to planting details from one site to another. The profession of urban forestry and landscape architecture, however, continue to use the same planting details regardless of the quality of the existing soil. Further, no protocol exists to guide the decision making process to determine when to use different methodologies.

This paper will present the framework for such a methodology and a series of possible changes to the way trees should be planted. The methodology is based on quantifiable levels of urbanization and soil quality, and proposes a logical approach to the design of planting details.

A major impasse to the development of a healthy urban forest is the technical dysfunction within the professions of urban forestry and landscape architecture with respect to the details of planting trees. The average professional knows little about how a tree actually grows. They are not skilled in the mechanics and dynamics of soil, roots and water and they are not aware of the impact these dynamics have on performance. Current planting practices are designed for the most benign sites; where soil is generally suitable to support root growth, is well drained, and is available in large quantities. Unfortunately, the urban forest is a continuum of soil conditions which range from these good sites to sites that have little or no drainage and where the soil is of such inferior quality and structure that it will not allow root penetration or function.

Urban forestry practices have largely relied on tree selection or "the right tree in the right place" as the primary method to overcome more difficult

sites. Current research suggests that many urban sites are so severe that no species will reliably work. Modification of the site soil and drainage capability is often the only solution to successful growing of trees. On better sites, modification of the planting area could be used to broaden the number of species that will be predictably successful.

Predictability and success are the key words. When a professional forester or landscape architect is relied upon to specify a tree planting, the person investing in the cost of the tree should have some reasonable assurance that the tree will grow to meet some predetermined level of success. It is one of our profession's obligations to either ensure that the site is made suitable for the trees' growth potential or to define for our clients how much growth they should expect out of a given tree in a given site.

Site modification, however, is expensive and requires specific solutions for each problem. Currently, there are few guidelines or standards to assist in the designing of site modification procedures. Practitioners who attempt to propose new planting details are often viewed as extravagant and individual designers often come up with widely varying solutions to similar problems. The following protocol is proposed to begin to set standards for site modification and the design of planting sites. It is designed as a guide to help predetermine how much site modification is necessary to successfully grow large trees. The protocol is based on the principle that soil is the primary factor influencing tree growth in urban areas. It is necessary for a tree to have access to sufficient rooting space in order to grow properly. Since both soil quality and soil quantity are critical to the equation, a methodology is proposed to accommodate each factor.

1. Presented at the annual conference of the International Society of Arboriculture in Philadelphia in August 1991.

Site Modification Protocol

Step one - *Determining Soil Quality*. Soil quality is primarily a function of how much the soil has been graded or disturbed and how much the soil has been compacted. Each site (or portion of the site) should be evaluated to predict what the condition of the soil will be after construction is completed. While soil quality is a continuum, the protocol will establish four classifications of soil quality as follows: 1) not graded and not compacted, 2) not graded but compacted, 3) graded but not compacted, 4) graded and compacted (Figure 1).

Definitions. The term *graded* is defined as a soil that has had its 'A' horizon disturbed, removed and not replaced or a soil that has had its 'A' and 'B' horizon moved from one location to another. The term *compacted* is defined as a soil that has been compressed to a bulk density which prohibits root growth (greater than 1.6 gr/cm). It is very difficult to predict how much the construction process will compact soil. Worst case assumptions should be used.

Step two - *Determining Level of Urbanization*. The second soil factor affecting tree growth is the quantity of soil available to the tree. This protocol chooses to measure urbanization or the aggregate of total development on a site, as an effective measuring gauge of the amount of soil "likely" to be available. Urbanization actually affects two important elements. One, the amount of soil left as available to the tree, and two, the amount of resources available

per tree to modify the planting site. The higher the intensity of use of a site, the more money that may be spent on tree planting. Urbanization, like soil disturbance, is a continuum. For the purpose of this protocol, levels of urbanization will be defined based on the % of impervious surface remaining after construction, as follows: 1) less than 15%, 2) 15% - 50%, 3) 50% - 75%, 4) 75% - 90%, 5) 90% or greater (Figure 2).

Step three - *Find the Sites Minimum Design Criteria*. Soil disturbance and urbanization are put on the axis of the Minimum Design Criteria Matrix (Figures 3 & 4). In each of the resulting 20 positions are recommendations for minimum design criteria to be used when preparing planting details. The recommendations are made for the three critical design elements that affect tree growth. These are soil modification, drainage modification and aeration modification. The recommendations are made using a numerical code which is referenced in the following sections. By using these criteria, minimum details can be developed. Not all situations, however, will match these criteria. If conditions exist which suggest that a different criterion would be more appropriate, then it may be substituted provided that the designer understands the impact on the tree of this change.

Soil Modification Procedures

The following list describes optional methods of soil modification that can be included into planting

SOIL QUALITY

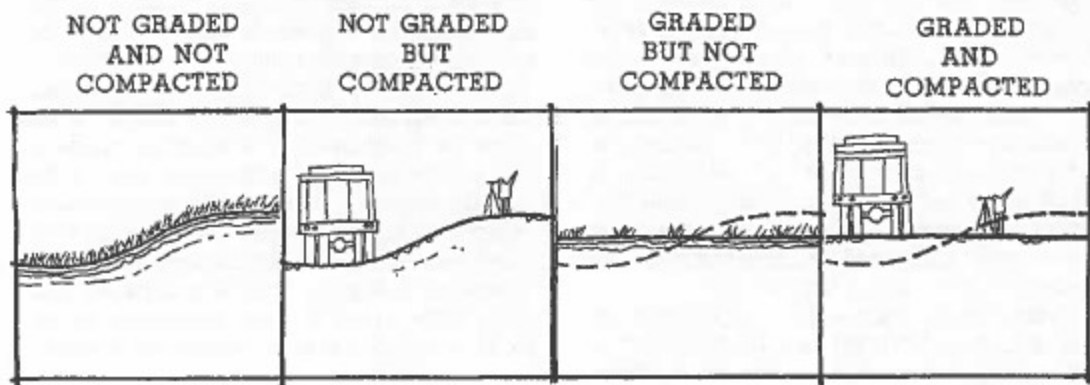


Figure 1

URBANIZATION % IMPERVIOUS SURFACE

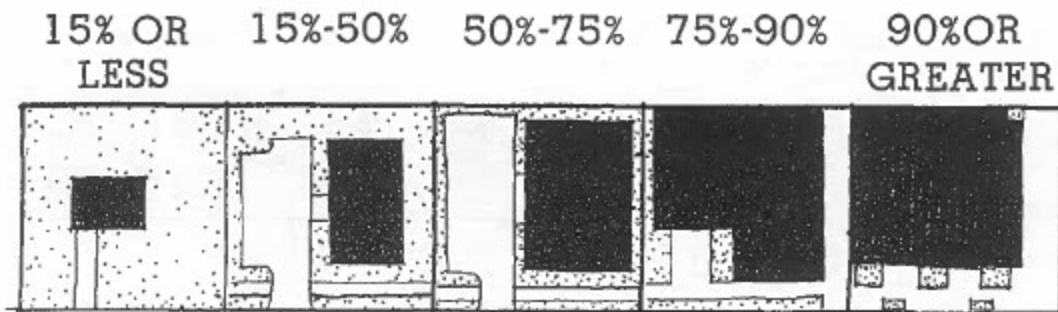


Figure 2

details. They are ranked from the least to the most complex of procedures. Providing enough soil, of suitable quality to support the tree mass proposed in a given location must be accounted for in the earliest phases of the project. (The codes refer to Figure 4.)

- S1.** Dig the planting hole 60 cm (24 in) larger in diameter than the diameter of the root ball. Back fill with the unamended soil excavated from the hole
- S2.** Dig the planting hole 180 cm (6 ft) larger in diameter than the diameter of the root ball.

MINIMUM DESIGN CRITERIA MATRIX GUIDE

URBANIZATION % IMPERVIOUS SURFACE		15% OR LESS	15%-50%	50%-75%	75%-90%	90% OR GREATER
SOIL QUALITY	NOT GRADED AND NOT COMPACTED					
	NOT GRADED BUT COMPACTED		Block #	S D	Drainage	
	GRADED BUT NOT COMPACTED		Soil	S A	Asertion	
	GRADED AND COMPACTED					

Figure 3

Back fill with the unamended soil excavated from the hole.

- S3.** Dig the planting hole 180 cm (6 ft) larger in diameter than the diameter of the root ball. Excavate the remaining areas of soil in planters and lawn to a depth of 20 cm (8"). Till the resulting subgrade with the first 10-15 cm (4-6 in) of planting soil mix.
- S4.** Excavate all areas available for planting and lawn to a depth of 75 cm (2.5 ft). Till the resulting subgrade with the first 10-15 cm (4-6 in) of planting soil mix. Calculate the quantity of planting soil mix to determine that the volume of soil per tree being provided is sufficient to grow the tree specified (Figure 5). Modify the design to allow for adequate soil volume.
- S5.** Perform the requirements of Step S4. Design additional subsurface soil volumes below the adjacent paving as required to provide all adequate soil volume (Figure 5). Interconnect these soil volumes whenever possible.

Definitions:

Planting soil mix. A sandy loam comprised of a majority of medium to coarse sands. This soil should have a percolation rate when fully compacted of at least 2 inches per hour.

Soil volume. All soil that is available to the roots of the tree that is of suitable quality for root

MINIMUM DESIGN CRITERIA MATRIX





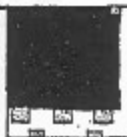




URBANIZATION % IMPERVIOUS SURFACE		15% OR LESS		15%-50%		50%-75%		75%-90%		90% OR GREATER	
											
SOIL QUALITY	NOT GRADED AND NOT COMPACTED 	1	D1	3	D1	6	D1	10	D2	14	D2
		S1	A1	S1	A1	S2	A1	S2	A2	S3	A2
	NOT GRADED BUT COMPACTED 	2	D1	5	D1	9	D2	13	D2	17	D3
		S1	A1	S2	A1	S2	A2	S3	A2	S4	A3
GRADED BUT NOT COMPACTED 	4	D1	8	D2	12	D2	16	D3	19	D3	
	S1	A1	S2	A2	S3	A2	S3	A2	S5	A4	
GRADED AND COMPACTED 	7	D2	11	D2	15	D2	18	D3	20	D3	
	S2	A2	S3	A2	S4	A2	S4	A3	S5	A4	

Figure 4

growth (well drained, not compacted, and possessing adequate pore space). The maximum depth for this calculation is normally 75 cm (2.5 ft).

Drainage Modification Procedures

The following list describes optional methods of drainage modification that can be included in planting details. They are ranked from the least to the most complex of procedures. Adequate drainage is required to obtain root growth in the soil. Soil modification without attention to drainage can lead to saturated soils that will not support tree growth. (The codes refer to Figure 4.)

D1.1. Percolation of existing soil 5 cm (2 inches) per

hour or greater. Provide positive surface drainage, minimum of 2%.

D1.2. Percolation of existing soil 2.5-5 cm (1-2 inches) per hour. Increase surface slopes in planting areas to 10% away from the tree.

D1.3. Percolation of existing soil less than 2.5 cm (1 inch) per hour. Mound planting soil in the area of the tree at 20% so that the root ball is entirely above the existing grade and/or add subsurface drain lines around the tree and loosen the soil to a depth of 30 cm (12 in).

D2. Unpredictable percolation. Move existing water away from the site by providing subsurface drain lines within the planting area and/or provide a drain sump pit at each tree. Perform a percola-

ground structures will require special details.

Site History. The age of the buildings and site work can have a significant impact on the opportunities for root growth. Sites developed prior to 1940 may require less site modification to grow successful trees due to the differences in the way land was developed. Sites that have had several changes in the configuration of buildings and grades may require more site modifications than may be indicated by the protocol. Each layer of change introduces disruption to the soil structure that is often hard to determine by visual site inspection.

Project Maintenance. These recommendations assume that some minimum maintenance will be available on a long term basis. This would include regular pruning, watering during the initial transplant period, and some ongoing insect and disease control. Less maintenance will require more site modification to grow similarly sized trees while more maintenance, particularly irrigation and fertilization, will allow for slightly less site modification.

Conclusions

The state of urban forestry must continue to evolve if successful urban forests are to be grown and maintained. New partnerships and institutions will have to be forged and new standards will have to be set. Much of the technical information we currently rely on will have to be set aside in favor of new ideas that will be based on research and documented experience. The protocol for tree planting detail design outlined above is only one small step in this process.

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Landscape Architect
Urban and Associates
915 Creek Drive
Annapolis, Maryland 21403

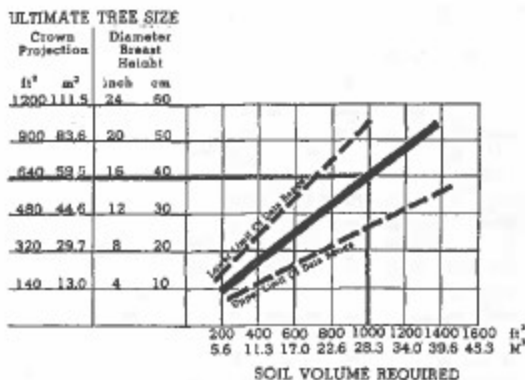


Figure 5. The data on this chart represent a synthesis of several studies attempting to establish the relationship between tree growth and soil volume. See citations 7,8,9,13.

tion test at each tree. Apply criteria of D1.1 - D1.3 above.

D3.1. Trees within new paving, provide subsurface drain lines to remove water from the site which connect from tree to tree.

D3.2. Trees within existing paving, perform a percolation test. If the percolation of the existing soil is 2.5 cm (1 in) per hour or greater, install drainage sump with subsurface drain line ring around the tree. If the percolation of the existing soil is less than 2.5 cm per hour, **do not plant** the tree unless drainage can be improved.

Definitions

Percolation test. Dig a hole 15 to 25 cm (6 - 10 inches) in diameter and 25 cm deep, fill the hole with water and allow it to drain. Refill the hole with water and measure the rate of water percolation out of the hole.

Drainage sump. A hole 20 to 30 cm (8 - 12 inches) in diameter by at least 1 m (3 ft) deep measured from the bottom of the planting hole. Insert a 10 cm (4 inches) diameter perforated pipe which extends up to grade and backfill with coarse gravel. Drainage sumps are only effective if they reach a pervious layer.

Aeration Modification Procedures

The following list describes optional methods of aeration modification that can be included in

planting details. They are ranked from the least to the most complex of procedures. The ability of soils to conduct air to the root zone is critical. Where soil volumes are restricted, new details, which allow more air to get deeper into the soil, will greatly increase the effectiveness of the available soil. (The codes refer to Figure 4.)

- A1.** Provide for periodic aeration and/or mulching of the ground within the dripline of the tree.
- A2.** Provide aeration sheets along accessible surfaces, i.e., foundations, curbs, etc.
- A3.1.** With existing paving, provide aeration sheets within the planting area.
- A3.2.** With new paving, provide aeration sheets within the planting areas and under paved areas. Install coarse gravel subbase under all paved areas. Install open joint unit pavers where applicable.
- A4.** Install watering tubes within the gravel subbase plus provide A3 requirements.

Definitions

Aeration sheets. Three dimensional drainage cores covered on both sides with a geotextile fabric. The sheets should be 30 to 45 cm (1 - 1.5 ft) wide and be placed in a vertical position in order to be effective. Aeration sheets are currently made by: American Enka Co., Enka, NC (Enka Drain # 9228); American Wick Drain Corp., Matthews, NC (Akwa Drain 112) and Mirafi Corp., Charlotte, NC (Miradrain 4000).

Watering tubes. Five cm (2 in) diameter perforated tubes that conduct water from a surface source into the gravel under the paving.

Other Determinants That Affect Tree Growth

There are a number of other factors that affect planting detail design but are not easily accounted for in this protocol. Each of these will have to be considered by the designer and appropriate modifications to the recommendations must be considered.

Soil Texture. Extremes of very sandy, silty or clayey soils are not accounted for in this protocol. When these soils are encountered, follow the recommendations of a soil scientist.

Soil Profile. Unusual soil profiles such as fragipans, hardpans, shallow rock formations or under-

Tree Commission Remarks June 28, 2024

We are here today as members of the civic and conservation committees of Late Bloomers Garden Club.

We've all been reading about the heat dome and sweltering temperatures over much of the country this summer and more importantly, we are FEELING it every day here in Jacksonville. This summer has reinforced for us the critical need for shade and the importance of the work done by this commission. Thank you for all you do for the city.

As you know, *planting trees* is the quickest, most effective antidote to heat and other climate related challenges...but *all trees are not created equal* in that regard. Palm trees vs oaks and other similar species? There is no comparison. Larry Figart, UF urban forester wrote an article wondering if palm trees are really trees at all?

After reading Mr. Figart's article and speaking with him on the phone, although it seems that you can argue both ways as to whether palm trees are more of a tree or a grass, here are some important *things to know about palm trees that are not debatable*:

1. Palm trees are more susceptible to lethal bronzing disease which can spread
2. Palm trees have higher maintenance costs than shade trees because frequent pruning and fertilization is required (and it is our understanding that we do not have the resources in Jacksonville to maintain palms as recommended)
3. Palm trees do not provide the environmental benefits of other trees including:
 - a. Providing Shade
 - b. Sequestering significant amounts of Carbon; and
 - c. Providing a habitat for wildlife.

Oak trees, for one example, are *better at sequestering carbon* than palm trees because oaks have more wood and leaf surface area. Trees that have a more extensive root system, larger trunk and branches and a broad canopy have more biomass to store carbon. In fact, over a 25-year period, a live oak could sequester almost 14,000 pounds of carbon whereas a cabbage palm would only sequester about 461 pounds over that same time period. Oaks and other shade trees also provide *habitat and food for countless species*, from birds and insects to mammals. Trees with large canopies offer nesting sites for birds and shelter for animals, while their leaves, flowers, and fruits serve as food sources throughout the year.

We wanted to make you aware of *major palm tree-related changes being made in south Florida*. Both West Palm Beach and Miami Beach, Florida (communities that are far more associated with palm trees than Jacksonville) have *recognized the many shortcomings of palm trees*. They are being more *intentional* in their approach to tree planting and they are taking the initiative to plant other trees that are *more adept at handling changing climate conditions*.

West Palm Beach for example no longer uses their tree mitigation funds to plant ANY palm trees

Miami Beach is also joining the initiative to shift their planting priority to a variety of trees -- just not palms. Miami Beach has an urban forestry master plan which details the environmental benefits of planting shade trees, including species such as oak, ash, elm and sycamore, rather than palms.

In addition to the need to be smart about which trees to plant, these communities are also *recognizing the need to put more focus on saving the older trees* they already have. Older trees are exponentially better for stormwater runoff, cleaning the air, shade and biodiversity.

The Asks:

Some specific changes that we think you can make NOW are to:

Adopt a 10% cap on palm trees-We urge you to change the policy allowing for up to 25% palm trees to be incorporated into planting projects paid for with tree mitigation funds. We believe that 10% is a better number for palm trees paid for with public funds since these trees are more work, more susceptible to disease, and unable to provide shade or meaningful environmental benefits. We believe that *public funds would be better spent on other trees* and palms are simply not a viable tree replacement since replacing a mature oak tree with a palm tree is not a one for one swap by any measure.

- Since West Palm Beach has decided to spend \$0 on palm trees, we believe that asking to limit our planting projects to 10% palms is a good compromise.
- Setting this standard would encourage developers and designers to *limit use of palm trees in the plans before they ever get to this commission* for approval thus eliminating the need to quibble over how many palm trees are included and to *encourage them to design their projects to allow for larger planting areas* or to incorporate innovations like silva cells or structural soil innovations that allow for the planting of larger trees in smaller areas.

Adopt guidelines for planting palm trees-We also request that you revisit how applicants are planting palm trees and adopt some helpful guidelines.

- We believe that palms should be treated as an accent tree only
- Rows of palms planted close together can be very *aesthetically off-putting* but also, if *disease strikes* one of the trees, they may all go. We request that more of an emphasis be placed on planting a *variety of species* to mitigate against disease problems and that you discourage closely planted rows of palms in most every case.
- With regard to applicants who desire to plant a *clump of palm trees*, we ask that those applicants be required to *demonstrate* why it makes sense to pay for *multiple palm trees* when *one shade tree* in the same spot may be a better alternative from a cost perspective and for our long-term shade canopy and climate mitigation efforts. Although clumps of palms can

provide more shade than a single palm, the fact is that the amount of shade provided by the palm clump will never increase whereas a well-placed *shade tree keeps expanding its cover* over time.

Policies to protect Mature Shade Trees-Finally, we request that you strengthen our policies *to protect mature shade trees*. The research is very clear that mature trees are superior to new ones and we must do a better job of protecting our mature trees where possible. Not only do mature trees offer more shade but mature trees have been shown capable of adapting and increasing their rates of photosynthesis in response to higher levels of CO2.

The bottom line is that shade trees simply provide *more bang for the buck*. In our time here today, we could not cover everything but when shade trees are planted in the right spot and well-maintained, they provide many *economic and social benefits* in addition to the environmental ones that we have spoken about today. We hope that this commission will adopt our proposed policies to start getting *more bang for our tree mitigation fund bucks*.

Thank you so much for your time, for all that you do and for allowing us to speak to you today. We will follow up in the next few days and get you our recommendations in writing as well as the information about West Palm Beach and Miami Beach.

SPEAKER'S REQUEST TO BE HEARD CARD

NAME OF BOARD/COMMITTEE: City of Jacksonville Office of the Mayor

Please print and complete item 1 below for Board/Committee Public Hearing or item 2 below for Public Comments Section of Board/Committee agenda:

NAME: ~~Aidan Popke~~ Aidan Popke DATE: 06/28/2024

Address: 3463 Pebble Brook Circle PHONE: 904-606-3063

REPRESENTING: Angela Ten Bruggen, Manager of Ag, Urban Ag, Agromarketing, & Local USA Policy

1: PUBLIC HEARING: Identify Agenda Item: _____

I SUPPORT _____ (or) I OPPOSE _____ THIS Agenda Item:

2: COMMENTS FROM THE PUBLIC: SUBJECT MATTER: _____

SPEAKING TIME IS LIMITED TO THREE (3) MINUTES PER SPEAKER

COMMENTS FROM THE PUBLIC. Comments from the public shall be limited to no more than three minutes per person and no person shall be allowed to give or transfer his/her time to speak to another person.

ADDRESSING THE BOARD/COMMITTEE. At public hearings required by law or fixed by the Board/Committee, the presiding officer shall extend the floor to proponents and opponents of the subject matter of the public hearing, and those filing written requests or speakers cards shall be heard prior to other persons who appear at the hearing. Each person addressing the Board/Committee shall proceed to the place assigned for speaking, give his/her name in an audible tone of voice for the records, (if the person has not filled out a speaker's request card and returned it to the Board/Committee staff before addressing the Board/Committee, the person shall also give his/her address in an audible tone of voice for the records), and limit his/her comments to three (3) minutes, unless further time is granted by the Board/Committee. All remarks shall be addressed to the Board/Committee as a body and not to any member thereof. No person other than a Board/Committee Member or the person having the floor shall be permitted to enter into any discussion, either directly or through a member of the Board/Committee, without the permission of the presiding officer. All questions to the Board/Committee shall be directed through the presiding officer.

Jacksonville Tree Commission

Amended Minutes

Friday June 28, 2024, - 9:00 AM

Via Zoom Platform & In Person

[Recording of Meeting can be obtained by sending request to
Charles Hayes kennethh@coj.net]

For approval July 17, 2024

Commissioners:

Nina Sickler, Director of Public Works
Curtis L. Hart, Chair (Council Appointee; 2012-0033-A)
Susan Fraser (Council Appointee; 2022-0063-A)
John Moscarillo (Mayor Appointee; 2023-0696-A)
William Burke (Mayor Appointee; 2023-0695-A)
Alden Howell (Council Appointee; 2021-2027-A)
Chris Miller Council Liaison

Advisors:

Jonathan Colburn - Urban Forestry Manager
Justin Gearhart - City Arborist
Carla Lopera - Office of General Counsel
Jose Regueiro - Accounting

Staff: Charles Hayes

1. Call to Order

Conducted by Chair

2. Roll Call and Verification of Quorum

Conducted by Chair

Commissioners present:

Curtis Hart, Chair
Susan Fraser
Nina Sickler
John Moscarillo
William Burke
Chris Miller
Alden Holden

Quorum present (4, in person): yes

3. Call for Public Speakers (online & card):

Aldan Pepke City of Jacksonville Office of Mayor intern
representing Angela TenBroeck COJ Urban Ag, Agriculture,
Agro-Ecology and Land Use Policy turned in speaking card.

Action Items:

1. Prior Meeting Minutes.

Issue: The minutes for May 15, 2024, pending approval

Motion: Approved May 15, 2024, minutes

Moved by: Nina Sickler

Second: William Burke

Vote: Approved, unanimous.

2. Financial Report: Jose Regueiro Briefed Financial Highlights as of May 31. (Highlights can be found (Jacksonville.gov - Tree Commission) Stated Combined revenues were \$4m, combined expenses \$4m, combined revenue for May 24 \$586k and combined expense \$427k which created a net private sector terminology of \$158k, unappropriated and unallocated including BJP were \$24m and funds was approved to be moved and should show on June statement, Ordinance fund YTD has favorable net of \$7K.

3. Fund Status of 630-City, Remove & Replace, and Level 2

Programs: Justin Gearhart Briefed as of June 1, 2024, remove & replace was \$220,000 will go up by 2.6m once money is moved, 630-CITY \$2.3m, Level 2 \$3.3m, Level 3 \$1.5m. This was prior to the bill passing and numbers will change but may not be reflected until July, however it will be reflected in Jose Regueiro's accounting statements.

4. Level 2 Updates:

Gearhart Briefed Kernan Blvd, Ft. Caroline Rd, Norfolk Soutel, and Whitehouse Park are off warranty. Stated Aldin Rd. did get through MBRC and is getting scheduled. Briefed completed project list that the Commission requested in the May meeting.

5. Parks Department Project Update:

Jill Enz Briefed Lift Ev'ry and Sing Park were complete, Northbank Riverwalk and Southern S-line is 80% complete but holding off on planting due to the dry weather and rain.

6. New Business:

Late Bloomers Presentation: Deborah Early Read prepared remarks (see Attachment A). **Natalie Rosenberg** suggested adopting a

policy of 10% cap of palm trees rather than 25% when using tree mitigation funding.

Motion: NONE (general discussion on recording)

Request for action/follow-up: **Hart** asked **Gearhart** to get the number of palm trees planted in the last 2-3 large projects and why they were used.

7. Old Business

Jonathan Colburn - Urban Forestry Manager read BRINGING ORDER TO THE TECHNICAL DYSFUNCTION WITHIN THE URBAN FOREST by James Urban article. (see Attachment 2) He went through the UF IFAS Tree Planting Site Evaluation Tool and Check list <https://floridatrees.ifas.ufl.edu/FloridaTrees/site-analysis.html>. Explained that the minimum design specifications for the city occurs at a couple of levels, the professional level and the level the Tree Commission wants. Asked how to facilitate getting the two levels needs met.

Motion: NONE (general discussion on recording)

8. Public Comment

Aldan Pepke City of Jacksonville Office of Mayor intern representing Angela TenBroeck COJ Urban Ag, Agriculture, Agro-Ecology and Land Use Policy stated a request to add Florida King peach and pecan trees to the approved species list. Stated they are a characteristic of this area and support the community and bring a variety of fruit and nut trees.

Motion: NONE (general discussion on recording)

Request for action/follow-up: **Fraser** asked that the Parks Department bring a presentation of how they will manage the fruit tree groves to include the maintenance and how this will affect their ongoing operation.

9. Prior to Adjournment

Request for action/follow-up: **Fraser** stated need to get ball rolling on the Task Force or Sub-Committee.

END OF MEETING 11:07AM

APPROVED

ATTACHMENT 1

Tree Commission Remarks June 28, 2024

We are here today as members of the civic and conservation committees of Late Bloomers Garden Club.

We've all been reading about the heat dome and sweltering temperatures over much of the country this summer and more importantly, we are FEELING it every day here in Jacksonville. This summer has reinforced for us the critical need for shade and the importance of the work done by this commission. Thank you for all you do for the city.

As you know, *planting trees* is the quickest, most effective antidote to heat and other climate related challenges...but *all trees are not created equal* in that regard. Palm trees vs oaks and other similar species? There is no comparison. Larry Figart, UF urban forester wrote an article wondering if palm trees are really trees at all?

After reading Mr. Figart's article and speaking with him on the phone, although it seems that you can argue both ways as to whether palm trees are more of a tree or a grass, here are some important *things to know about palm trees that are not debatable*:

1. Palm trees are more susceptible to **lethal bronzing disease** which can spread
2. Palm trees have **higher maintenance costs** than shade trees because frequent pruning and fertilization is required (and it is our understanding that we do not have the resources in Jacksonville to maintain palms as recommended)
3. Palm trees do not provide the **environmental benefits** of other trees including:
 - a. **Providing Shade**
 - b. **Sequestering significant amounts of Carbon;** and
 - c. **Providing a habitat for wildlife.**

Oak trees, for one example, are *better at sequestering carbon* than palm trees because oaks have more wood and leaf surface area. Trees that have a more extensive root system, larger trunk and branches and a broad canopy have more biomass to store carbon. In fact, over a 25-year period, a live oak could sequester almost **14,000** pounds of carbon whereas a cabbage palm would only sequester about **461** pounds over that same time period. Oaks and other shade trees also provide *habitat and food for countless species*, from birds and insects to mammals. Trees with large canopies offer nesting sites for birds and shelter for animals, while their leaves, flowers, and fruits serve as food sources throughout the year.

We wanted to make you aware of *major palm tree-related changes being made in south Florida*. Both West Palm Beach and Miami Beach, Florida (communities that are far more associated with palm trees than Jacksonville) have *recognized the many shortcomings of palm trees*. They are being more *intentional* in their approach to tree planting and they are taking the initiative to plant other trees that are *more adept at handling changing climate conditions*.

West Palm Beach for example no longer uses their tree mitigation funds to plant ANY palm trees

Miami Beach is also joining the initiative to shift their planting priority to a variety of trees -- just not palms. Miami Beach has an urban forestry master plan which details the environmental benefits of planting shade trees, including species such as oak, ash, elm and sycamore, rather than palms.

In addition to the need to be smart about which trees to plant, these communities are also *recognizing the need to put more focus on saving the older trees* they already have. Older trees are exponentially better for stormwater runoff, cleaning the air, shade and biodiversity.

The Asks:

Some specific changes that we think you can make NOW are to:

Adopt a 10% cap on palm trees-We urge you to change the policy allowing for up to 25% palm trees to be incorporated into planting projects paid for with tree mitigation funds. We believe that 10% is a better number for palm trees paid for with public funds since these trees are more work, more susceptible to disease, and unable to provide shade or meaningful environmental benefits. We believe that *public funds would be better spent on other trees* and palms are simply not a viable tree replacement since replacing a mature oak tree with a palm tree is not a one for one swap by any measure.

- Since West Palm Beach has decided to spend \$0 on palm trees, we believe that asking to limit our planting projects to 10% palms is a good compromise.
- Setting this standard would encourage developers and designers to *limit use of palm trees in the plans before they ever get to this commission* for approval thus eliminating the need to quibble over how many palm trees are included and to *encourage them to design their projects to allow for larger planting areas* or to incorporate innovations like silva cells or structural soil innovations that allow for the planting of larger trees in smaller areas.

Adopt guidelines for planting palm trees-We also request that you revisit how applicants are planting palm trees and adopt some helpful guidelines.

- We believe that palms should be treated as an accent tree only
- Rows of palms planted close together can be very *aesthetically off-putting* but also, if *disease strikes* one of the trees, they may all go. We request that more of an emphasis be placed on planting a *variety of species* to mitigate against disease problems and that you discourage closely planted rows of palms in most every case.
- With regard to applicants who desire to plant a *clump of palm trees*, we ask that those applicants be required to *demonstrate* why it makes sense to pay for *multiple palm trees* when *one shade tree* in the same spot may be a better alternative from a cost perspective and for our long-term shade canopy and climate mitigation efforts. Although clumps of palms can

provide more shade than a single palm, the fact is that the amount of shade provided by the palm clump will never increase whereas a well-placed *shade tree keeps expanding its cover* over time.

Policies to protect Mature Shade Trees-Finally, we request that you strengthen our policies *to protect mature shade trees*. The research is very clear that mature trees are superior to new ones and we must do a better job of protecting our mature trees where possible. Not only do mature trees offer more shade but mature trees have been shown capable of adapting and increasing their rates of photosynthesis in response to higher levels of CO2.

The bottom line is that shade trees simply provide *more bang for the buck*. In our time here today, we could not cover everything but when shade trees are planted in the right spot and well-maintained, they provide many *economic and social benefits* in addition to the environmental ones that we have spoken about today. We hope that this commission will adopt our proposed policies to start getting *more bang for our tree mitigation fund bucks*.

Thank you so much for your time, for all that you do and for allowing us to speak to you today. We will follow up in the next few days and get you our recommendations in writing as well as the information about West Palm Beach and Miami Beach.

BRINGING ORDER TO THE TECHNICAL DYSFUNCTION WITHIN THE URBAN FOREST¹

by James Urban

In order to increase the success rate of trees planted in the urban environment, there must be a significant change in the way trees are planted. The wide diversity in soil conditions found within urban areas suggests that there should be modifications to planting details from one site to another. The profession of urban forestry and landscape architecture, however, continue to use the same planting details regardless of the quality of the existing soil. Further, no protocol exists to guide the decision making process to determine when to use different methodologies.

This paper will present the framework for such a methodology and a series of possible changes to the way trees should be planted. The methodology is based on quantifiable levels of urbanization and soil quality, and proposes a logical approach to the design of planting details.

A major impasse to the development of a healthy urban forest is the technical dysfunction within the professions of urban forestry and landscape architecture with respect to the details of planting trees. The average professional knows little about how a tree actually grows. They are not skilled in the mechanics and dynamics of soil, roots and water and they are not aware of the impact these dynamics have on performance. Current planting practices are designed for the most benign sites; where soil is generally suitable to support root growth, is well drained, and is available in large quantities. Unfortunately, the urban forest is a continuum of soil conditions which range from these good sites to sites that have little or no drainage and where the soil is of such inferior quality and structure that it will not allow root penetration or function.

Urban forestry practices have largely relied on tree selection or "the right tree in the right place" as the primary method to overcome more difficult

sites. Current research suggests that many urban sites are so severe that no species will reliably work. Modification of the site soil and drainage capability is often the only solution to successful growing of trees. On better sites, modification of the planting area could be used to broaden the number of species that will be predictably successful.

Predictability and success are the key words. When a professional forester or landscape architect is relied upon to specify a tree planting, the person investing in the cost of the tree should have some reasonable assurance that the tree will grow to meet some predetermined level of success. It is one of our profession's obligations to either ensure that the site is made suitable for the trees' growth potential or to define for our clients how much growth they should expect out of a given tree in a given site.

Site modification, however, is expensive and requires specific solutions for each problem. Currently, there are few guidelines or standards to assist in the designing of site modification procedures. Practitioners who attempt to propose new planting details are often viewed as extravagant and individual designers often come up with widely varying solutions to similar problems. The following protocol is proposed to begin to set standards for site modification and the design of planting sites. It is designed as a guide to help predetermine how much site modification is necessary to successfully grow large trees. The protocol is based on the principle that soil is the primary factor influencing tree growth in urban areas. It is necessary for a tree to have access to sufficient rooting space in order to grow properly. Since both soil quality and soil quantity are critical to the equation, a methodology is proposed to accommodate each factor.

1. Presented at the annual conference of the International Society of Arboriculture in Philadelphia in August 1991.