

Jacksonville Tree Commission

Thursday, March 22, 2018 – 12:00 PM

117 West Duval Street, Third Floor, Conference Room C

Commissioners: John Crescimbeni, Chair
Curtis Hart, Vice Chair
Jeremy Cooper
Chris Flagg
Aaron Glick
John Pappas
Rhodes Robinson

Advisors: Sondra Fetner
Richard Leon
Kathleen McGovern

Staff: Cindy Chism

AGENDA

Order of Agenda is Subject to Change

A. Call to Order/ Verification of Quorum

1. Roll Call
2. Submittal of Speaker's Cards
3. Approval of minutes from March 8, 2018 meeting
4. Fund balance and encumbrance report for 15(F) and 15(N)
5. Status of Pending Tree Projects

B. New Business

1. Position Statement on Suspension of Planting Date Palms - Sondra Fetner
2. First Coast Chapter of International Palm Society - Chris Flagg
3. One Tree, One School Contract Comparison - Richard Leon
4. Davey Tree Cost Analysis - John Pappas
5. Scope and Services used by Greenscape – Anna Dooley
6. Application and Approval Criteria for Tier 2 Applicants - Chris Flagg and Sondra Fetner
7. Shade Tree Subcommittee – Curtis Hart, Vice-Chair and Aaron Glick
8. Tree Commission Website - Cindy Chism

C. Public Comment

D. Information

- Tallahassee House Bill 574 and Senate Bill 521, Sondra Fetner, Office of General Counsel

E. Adjournment

DRAFT

Jacksonville Tree Commission
Meeting Minutes March 22, 2018
Approved on April 12, 2018

Commissioners Present:	John Crescimbeni, Chair Curtis Hart, Vice Chair Chris Flagg Aaron Glick John Pappas Rhodes Robinson	Staff:	Cindy Chism
Advisors Present:	Sondra Fetner, OGC Richard Leon, Urban Forest Manager Kathleen McGovern, City Arborist Joel Provenza, Accounting	Public:	Teresa Eichner, COJ Budget Office Anna Dooley, Greenscape Dave McDaniel, COJ Mowing & Landscape Fred Pope, COJ Mowing & Landscape Alicia Grant, Scenic Jacksonville Mike Robinson, Greenscape John Jackson, Allstar Irrigation Joe Anderson, JEA John November, Public Trust

A. Meeting was called to order by Chair at 12:02.

1. All present introduced themselves. There is a quorum.
2. Submittal of Speaker's Cards
3. Motion made by Mr. Hart, seconded by Mr. Pappas to approve the minutes from the March 8, 2018 Meeting. None opposed.
4. Fund balance (Attachment A) and Encumbrance report for 15(F) and 15(N) (Attachment B)
 - a. Ms. Teresa Eichner from the Budget Office, provided an explanation of Attachment B: It is a list of all the projects which are active, their status, including the scope and the balances as well as the balance of the reserve in both sub-funds. The columns of the spreadsheet containing dollar amounts represent:
 - i. *Budget* column - the budget established for each of the projects when they were appropriated.
 - ii. *Actual* column - the amount which has been spent to date.
 - iii. *Encumbrance* column - the amount encumbered in a current contract to be spent.
 - iv. *Unencumbered Balance* column - the difference between the *Budget* column minus the *Actual* column minus the *encumbrance* column.
 - v. *Reserves* column - what is available to be spent in each of the sub-funds.
 - vi. *Unencumbered Balance Less Reserve* column - if you don't spend any of the reserves or what is unencumbered in each of these projects which has been budgeted but has not been spent to date and has not been encumbered in a contract.

- b. Ms. Anna Dooley asked about the Duval County School Board Property project listed on the sub-fund 15(F) page which shows only \$784.40 in the *Actual* column. There has been much more spent from the City. Ms. Eichner replied she would have to defer to Accounting.
- c. Ms. Fetner asked how Attachment B matches up with the information on the Tree Mitigation website. Mr. Provenza replied the Tree Mitigation website includes unappropriated balances. Attachment B only includes what is currently budgeted and within projects. What's on the website includes the reserve and anything unappropriated, which is not listed on Attachment B.
- d. CM Crescimbeni pointed out that not having the right numbers essentially gave birth to the Tree Commission. We really need Attachment B to match Attachment A and we need to be able to figure out what numbers we need to pull together to get to the numbers on the website. Mr. Provenza said that Attachment B shows the funds budgeted for specific projects, the website (Attachment A) shows the funds available which are not budgeted plus the reserves.
- e. Mr. Pappas asked if the *Unencumbered* balance and the *Reserves* added together were the amount available for appropriation. Ms. Eichner replied Attachment B shows only the expense side, Attachment A shows revenue minus expense.
- f. Ms. Eichner offered to provide a report which will show the revenue side and the expense side. **CM Crescimbeni suggested a meeting with Ms. Eichner to generate this report.**
- g. Mr. McDaniel reminded the Commission there was some concern regarding a process for project residuals to be returned to the fund. Ms. Eichner assured the Commission, there is a process in place to return any residual monies to its respective fund.

5. Status of Pending Tree Projects, Kathleen McGovern, City Arborist (Attachment C)

B. New Business

1. Position Statement on Suspension of Planting Date Palms - Sondra Fetner

- a. A resolution (Attachment D) was drafted with the assistance of Mr. November, Mr. Leon, and Mr. Flagg. Some of the issues discussed were time limitations for planting, maintenance and trimming. Potential liability from palm fronds and fruits falling to the ground and the Lethal Bronzing threat. Ms. Fetner read Section 2 from Attachment D.
- b. Mr. Flagg asked if the Resolution was trying to limit the planting of all Date Palms in Jacksonville. This Commission cannot prohibit the planting of Date Palms but because the Commission is tasked with providing recommendations on the canopy health of the

City, it is allowed to make a statement detailing why Date Palms are not desired within in the City. In addition the Commission may also limit the use of the tree funds with regard to proposed projects and types of trees.

- c. Mr. Glick elaborated on his question; does this resolution mean that tree funds will not be used to replace dead or diseased Date Palms or is it only new plantings of Date Palms? Ms. Fetner said the Commission would need to decide if we wanted to include existing Date Palms for use of the tree funds.
 - d. CM Crescimbeni asked Ms. Fetner if she spoke with FDOT regarding the planting of Date Palms. The response from FDOT, District 2 was they were not taking a hard stance regarding Date Palms; they feel they are appropriate in some locations; however FDOT will work with the community on determining what species to plant.
 - e. Mr. Robinson agreed with the proposed resolution but suggested that a decision needed to be made regarding existing Date Palms, i.e., what happens if you have a string of 25 Date Palms and one dies, what do you do, plant something different? Or replace it which may cause controversy in the Council. Mr. Flagg agreed with Mr. Robinson but added that we have to start somewhere.
 - f. CM Crescimbeni suggested we insert language (underlined) on line 6 of page 3 which says “official position against future planting of new or replacement of existing Date Palms in the City....”
 - g. Mr. McDaniel was asked how many Date Palms were in the City. There are approximately 350 in themed corridors. Other than traffic accidents, the rate of attrition is low. There will be a lot of attention if a different tree is planted in a row a Date Palms. We have spent a lot of money on these themed corridors, if it’s one or two perhaps we should replace them. As for maintenance, the Public Works Department gets approximately 25% from the tree fund (15N) for tree maintenance of these trees. We still need this money for the trimming of the existing Date Palms.
 - h. Mr. Robinson moved to insert the suggested language on page three, seconded by Mr. Glick. None opposed, and the amendment was adopted. Mr. Pappas made a motion to adopt the Resolution as amended, seconded by Mr. Flagg. There was no public comment. The Resolution was unanimously adopted as amended.
- 2. Application and Approval Criteria for Tier 2 Applicants - Chris Flagg and Sondra Fetner**
- a. Ms. Fetner, Mr. Flagg, Mr. Leon, and Mr. November discussed the process for awarding tree funds for the Tier 2 applicants. In Attachment E, page 1 is the original Approval Process, on page 2 every item which is underlined needs to be discussed by the Commission; every item in italics needs further discussion by the subcommittee.

- b. CM Crescimbeni asked if more meetings will be required. Ms. Fetner agreed that yes more meetings will be required. It's a very large component of this Commission so we want to make sure we are putting a lot of thought into it and doing it right. If another Commissioner would like to attend the meeting, it could be noticed. CM Crescimbeni suggested that for the next meeting, it be scheduled far enough in advance that an email notification to the Commission members could be sent 24 hours ahead of the meeting.
- c. CM Crescimbeni asked about the definition of Florida Fancy and Florida #1 Standard. Mr. Pope responded that it's a quality requirement. UF did a lot of research on what is required for a tree to survive a long time with less structural damage from storms, etc. Mr. Leon added that the Public Works Department requires the contractor to submit photographs of the tree before it is planted to ensure that quality. Mr. Robinson pointed out that if we are doing restoration of natural areas, we may not need this level of quality or size of trees. Ms. Fetner agreed this could be more an evaluation criteria point instead of requirement.
- d. CM Crescimbeni pointed out that Maintenance Analysis, Operations Analysis and Positive Impacts Analysis are some of the components the commission may want to develop some type of schedule or matrix for, which says X species of tree is high maintenance and Y species is low maintenance and low maintenance will earn you more points. Also, who is working on the list of trees we can't plant? Mr. Leon replied that getting Ms. Dooley's schedule to line up has been a problem as this is the busiest time of year for Greenscape. March 24th is the last of their events so the meeting should be scheduled after that.
- e. Mr. Pappas recommends changing all references of Davey Tree to City's Continuous Contractor. Also will the Applicant be required to get a right-of-way permit or will approval of the plan by the Commission be sufficient to work in the City's right-of-way? Ms. Fetner said a permit would be required. It is to be determined who will be requesting it, the Commission or the Applicant.
- f. Ms. Fetner will further discuss with Risk Management the use of volunteers and try to strike a balance between the Commission's and Risk Management's positions. Ms. Dooley commented that Greenscape always uses volunteers. It gives the community ownership of the project. Greenscape gets the permits, and requires their volunteers to sign a liability release, wear bright t-shirts or a safety vest and Greenscape also has police officers on site. Ms. Dooley will provide Ms. Fetner a list of Greenscapes' most recent projects which used volunteers on the City right-of-way as well as a list of all the precautions taken and a copy of the release.

- g. Mr. John November commented that the irrigation limitation may be too stringent. It's a shame to spend all the money on projects only to see the trees die due to lack of irrigation. CM Crescimbeni asked Mr. Leon if there were some species of trees that might require longer periods of irrigation or planting in certain locations vice another location which might warrant additional irrigation i.e., if you planted a Live Oak in a median on a road it may require more irrigation than if you planted it in a wide open City Park? Perhaps we need to require longer irrigation periods for median plantings or certain species of trees. Possibly some type of sliding scale could be considered in our criteria. **Mr. Pappas will investigate if it's feasible to amend the Davey Tree contract to extend the warranty past the current 1 year if deemed necessary by the City.**
- h. Mr. Glick asked if drip irrigation was installed, when the one year is completed what happens to it? What types of irrigation options are available to the City from Davey Tree? Mr. Pope replied that Davey uses mostly Gator bags for watering and water as needed. The way the specification in the contract is written, it's up to the contractor to determine how they are going to water the tree to keep it alive and in good condition. Then at the end of the year, if the tree is not in as good as or better condition than at installation, the warranty may be extended for another year.
- i. CM Crescimbeni added scientifically speaking a tree in the ground at one year has some expectation of mortality which decreases at two years and is even lower at three years. Mr. Leon added that that he didn't think adding a separate line item for irrigation in the contract is a good idea unless the City is experiencing long periods of drought. **Mr. Leon and Ms. McGovern will follow-up with CM Crescimbeni to discuss if adding a separate line item would be advantageous.**

3. First Coast Chapter of International Palm Society - Chris Flagg

- a. There were many attempts at contact with no success (Attachment F). Mr. Flagg will continue to try to contact them. Another resource was contacted, Groundworks, who offered to provide an official response regarding their position on Palms in Florida for the next meeting.

4. One Tree, One School Contract Comparison - Richard Leon

- a. The table (Attachment G) shows a tree for tree comparison of what Greenscape paid versus what our contract with Davey Tree would have charged the City.

5. Davey Tree Cost Analysis - John Pappas

- a. Attachment H is the contract expenditures with Davey Tree for the last five years. The point was if the amount of tree plantings are going to increase, is there good reason to put the contract back out for bid for potentially lower prices. The contract was re-bid in 2016

with no expectation or commitment for cost volume. The Davey contract was executed December 7, 2016. We are in the first renewal now which is October 1, 2017 to September 30, 2018. The City has the right to renew for one more term, October 1, 2018 to September 30, 2019. Mr. McDaniel added that in 2007, the Public Works Department received a \$2.5 million fund appropriation from City Council for countywide tree planting. It was an all-years fund and what wasn't used rolled forward. There is now approximately \$30,000 left. This may account for the drop in expenditures. As far as any planting that goes on now, it is usually at the request of a Council member. **Ms. Fetner will provide CM Crescimbeni with a copy of the Countywide Tree Planting contract. Mr. Pappas will determine if the contract should be re-bid due to the anticipated increase in tree planting projects.**

6. Scope and Services used by Greenscape (Attachment I) – Anna Dooley

a. This project was an anomaly for Greenscape and not initiated by them. This project was to forge better relationships between the City Council and the School Board. Not many contractors wanted to bid on a project which had such a long timeline. We did hire someone to monitor this project and are in the final phase now, inspecting all the trees.

b. There are a lot of differences from this project and our usual type of project. For our usual projects we would be working with a City Council member, and holding town hall meetings. We would also seek buy-in from the residents before even putting a shovel in the ground.

7. POSTPONED - Shade Tree Subcommittee – Curtis Hart, Vice-Chair and Aaron Glick

8. Tree Commission Website - Cindy Chism

a. The webpage is up and a link will be sent to each Commission member individually.

C. Public Comment

Mr. Joe Anderson, Forester, JEA – There is a handout provided (Attachment J) which has information about the Tree Line USA Program. This is a program created with the Arbor Day Foundation and the National Association of Foresters. Also provided is a brochure about Utility Pruning of Trees (Attachment K) which defines the vocabulary utilities use when trimming trees. Both are for informational purposes.

Mr. John November, Public Trust – 1) Requests that the Commission discuss palm trees in more detail. There have been some issues with MD Anderson wanting to plant too many, for example. Does the Commission want to prohibit palms completely or possibly only allow a percentage of a project to have palm trees? Mr. Glick responded that the Shade Tree subcommittee is discussing palm trees in more detail with regard to the Landscape Code. Mr. November elaborated that he was concerned with tree mitigation trust fund dollar plantings regarding the planting of palms. **Ms. Fetner will add a discussion limiting projects with**

100% palm trees at her meetings regarding Application Criteria. 2) Perhaps the Commission could invite someone from the Parks Department to attend the Commission meetings. There are bound to be several upcoming projects in which their input and participation would be very valuable. 3) The Commission may need to consider allowing some smaller trees in some circumstances for restoration projects, old preserves and for large planting projects. The countywide planting contract currently only allows for 3-6 inch plants, which omits the smaller, more cost effective plants.

D. Information

Tallahassee House Bill 521 and Senate Bill 574 - Sondra Fetner

- Both bills are dead.

E. Action Items

CM Crescimbeni will have a meeting with Ms. Eichner to generate a report which shows both the Revenue side and the Expense side of 15(F) and 15(N).

Mr. Pappas will investigate if it's feasible to amend the Countywide Planting contract to extend the warranty if deemed necessary by the City and if the contract should be re-bid due to the anticipated increase in tree planting projects as a result of the Tree Commission.

Mr. Leon and Ms. McGovern will follow-up with CM Crescimbeni to discuss if adding a separate line item for irrigation or extending the warranty in the current Countywide Planting contract would be advantageous.

Ms. Fetner will provide CM Crescimbeni with a copy of the Countywide Tree Planting contract.

Mr. Pappas will investigate if it's feasible to amend the Davey Tree contract to extend the warranty past the current 1 year if deemed necessary by the City.

Mr. Pappas will determine if the contract should be re-bid due to the anticipated increase in tree planting projects.

Ms. Fetner will include a discussion limiting projects with 100% palm trees at her meetings regarding Application Criteria.

From March 8 2018 Meeting: Ms. Fetner will draft legislation that would empower this Commission to submit future legislation authorizing and appropriating dollars for tree planting projects. The proposal will be discussed at the Commission meeting on April 12th.

F. Adjournment



TREE MITIGATION

CITY OF JACKSONVILLE



TREE REMOVAL PERMIT INFORMATION

Click here to search detailed information on Site Cleaning 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.



AVAILABLE FOR APPROPRIATION

15F (Ordinance): \$17,965,241.07
15N (Charter): \$3,705,981.90
Total: \$21,671,222.97



TREE FUND CITY PLANTING PROJECTS

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



FILE AN ISSUE

Click here to report site cleaning 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.



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As of 3/21/2018 (Increase of \$97,515.79 since 3/8/2018)

Index code	Index Code Title	PO or Contract No.	Budget	Actual	Encumbrance	Unencumbered Balance (Budget less Enc)	Reserves	Unencumbered Balance less Reserves	Scope	Status
PW001SFABATP	SANDALWOOD TREE REPLACEMENT PROJECT	PO7A02942003	\$ 13,795.52	\$ 12,415.97	\$ 1,379.55	\$ -	\$ -	\$ -	Adrian Rd, Sam Hardwick Blvd, John Pfrom Blvd Median Trees	Open - Pending invoices for establishment period maintenance
PW001SFFLAS	FOREST STREET ASH SITE TREE/PLANTING	PO3019242003	\$ 537,850.00	\$ 581,835.50	\$ 5,984.50	\$ -	\$ -	\$ -	Forest Street Ash Site Tree Planting	Balance available for additional tree planting within Ash site boundaries
PW001SFFHMS	NORTH MAIN STREET LANDSCAPING	PO7A2942006	\$ 62,057.00	\$ 40,000.00	\$ 22,057.00	\$ -	\$ -	\$ -	North Main St, 8th St to 9th St Tree Replacement	Open - Project on hold pending roadwork scheduled by FDOT
PW001SFFBDS	BROWN'S DUMP ASH SITE TREE/PLANTING	PO3019242005	\$ 364,730.00	\$ 142,860.50	\$ 221,869.50	\$ -	\$ -	\$ -	Brown's Dump Ash Site Tree Planting	Balance available for additional tree planting within Ash site boundaries
PW001SFFCAS	5TH & CLEVELAND ASH SITE TREE/PLANTING	PO3019242005	\$ 494,215.00	\$ 376,792.00	\$ 117,423.00	\$ -	\$ -	\$ -	5th St & Cleveland St Ash Site Tree Planting	Ongoing - Includes pending invoices for maintenance with balance available for additional planting
PW001SFFCS	DUAL COUNTY SCHOOL BOARD PROPERTY	CTPW16000066	\$ 125,000.00	\$ 784.40	\$ 124,215.60	\$ -	\$ -	\$ -	One Tree Per Acre project with DCSB	Ongoing - Maintenance during tree establishment; Period ends Spring 2018
PW001SFFHDA	TREE PLANTING - HANTS RD AT DUNN AVE	PW001SFFHDA	\$ 23,718.27	\$ -	\$ 23,718.27	\$ -	\$ -	\$ -	5 Date Palms to be planted on two medians on Hants Rd at the cross street of Dunn Ave - 8 Date Palms to be planted as replacements in Downtown Jax (4 on Riverside Ave, 2 on Adams St W, 2 on Forsyth St W, 1 on Monroe St) 13 Date Palms total includes removal of existing Date Palms stumps in city street planting boxes - Introduced by CMI Gaffney.	In Progress, Date Palms have been ordered for Phase 1 of planting at Hants Rd and Dunn Ave
PW001SFFDTP	MAIN STREET TREE PLANTING	PO7A02942007	\$ 38,821.76	\$ -	\$ 38,821.76	\$ -	\$ -	\$ -	North Main St, 8th St to 9th St Tree Replacement	Open - Pending invoices for establishment period maintenance
PW001SFFZAE	ZOO LANDSCAPING-ASIAN EXHIBIT	CTPW07000014	\$ 1,824,408.00	\$ 689,344.86	\$ 1,135,063.14	\$ -	\$ -	\$ -	Tree & Understorey Planting	Ongoing
PW001SFFMSW	MINDHAMAD FROM ALDRA DR TO WITCHAMVEN ST	PO7A02942002	\$ 10,345.00	\$ 9,710.00	\$ -	\$ 635.00	\$ -	\$ 635.00	Sandwood Blvd and Mindamao Road Planting	Completed - return funds
PW001SFFBCL	INTERSEC. BRIDGE, MISC 09/10 LANDSCAPING		\$ 100,000.00	\$ 63,468.82	\$ 17,245.00	\$ 19,286.18	\$ -	\$ 19,286.18		
PO7A02942003			\$ -	\$ 4,205.00	\$ -	\$ -	\$ -	\$ -	Southside Blvd, Beach Blvd and Atlantic Blvd tree replacement	Open - Pending invoices for establishment period maintenance
PO7A02942003			\$ -	\$ 1,259.00	\$ -	\$ -	\$ -	\$ -	Tree planting - Various Sites	Open - Pending invoices for establishment period maintenance
PO7A02942010			\$ -	\$ 1,076.00	\$ -	\$ -	\$ -	\$ -	Mayport Road Medians	Open - Pending invoices for establishment period maintenance
PO7A02942012			\$ -	\$ 2,265.00	\$ -	\$ -	\$ -	\$ -	Am Linds Dr Tree Planting	Open - Pending invoices for establishment period maintenance
PO7A02942015			\$ -	\$ 8,660.00	\$ -	\$ -	\$ -	\$ -	Rogers Rd Plant Replacement	Open - Pending invoices for establishment period maintenance
PW001SFFROW	COUNTY-WIDE TREE PROG- RIGHT OF WAY	PO3019242001	\$ 4,679,920.00	\$ 4,612,696.97	\$ 36,527.50	\$ -	\$ -	\$ 30,755.53	County Wide Tree Planting	Open - Pending invoices for establishment period maintenance
PW001SFF	TREE MAINTENANCE	PO3A01798005	\$ 1,761,794.66	\$ 1,371,606.10	\$ 388,344.00	\$ -	\$ -	\$ 31,844.56	City of Jacksonville budget for Hazardous tree removal & pruning paid by Tree Fund	Ongoing - includes pending invoices for maintenance with balance available for additional planting with Ash site boundaries.
PW001SFFHAMM	HAMMICH BLVD PROJECT	Pending	\$ 175,761.00	\$ -	\$ -	\$ 175,761.00	\$ -	\$ 175,761.00	Design, construction, plant establishment maintenance, and construction oversight of tree planting and incidental landscaping on Hammich Blvd right-of-way from Mallory Rd to Beaver St.	PLB PD Active through 12/31/2018
PW001SFFPP	COUNTY-WIDE TREE PROG- PRESERVATION PARKS		\$ 1,000,000.00	\$ 485,146.00	\$ -	\$ 514,854.00	\$ -	\$ 514,854.00	Various Sites throughout the City per Ordinance	New project - Project scheduled to be completed by end of 2018
PW001SFFVAP	COUNTY-WIDE TREE PROG- ACTIVE PARKS		\$ 1,151,965.00	\$ 618,419.96	\$ -	\$ 532,545.04	\$ -	\$ 532,545.04	Various Sites throughout the City per Ordinance	Funding available for additional tree planting within limits of ordinance
PW001SFFSAMP	OLD ST AUG AT BARTMAN PARK	REQ279668	\$ 18,364.21	\$ -	\$ 18,364.21	\$ -	\$ -	\$ -	Various Sites throughout the City per Ordinance	Funding available for additional tree planting within limits of ordinance
PW001SFFTP	TREE PROTECTION & RELATED EXPENSES		\$ 3,542,512.75	\$ 2,097,443.55	\$ -	\$ 1,445,069.20	\$ -	\$ 1,445,069.20	PW001SFFTP	
JISF1SFFPW	TREE PROTECTION & RELATED EXPENDITURES		\$ 2,000,000.00	\$ -	\$ -	\$ 2,000,000.00	\$ -	\$ 2,000,000.00	JISF1SFFPW	
JISF1SFF	TREE PROTECTION & RELATED EXPENDITURES		\$ 2,365,743.86	\$ -	\$ -	\$ 2,365,743.86	\$ -	\$ 2,365,743.86	JISF1SFF	
			\$ 20,347,055.03	\$ 11,303,094.63	\$ 3,948,759.03	\$ 7,422,491.37	\$ 5,814,845.75	\$ 1,307,648.62		
			\$ 37,009,652.58	\$ 27,965,638.18	\$ 3,921,523.03	\$ 7,422,491.37	\$ 5,814,845.75	\$ 1,307,648.62		

Total Budgeted ISF \$ 37,009,652.58 Total Actual ISF \$ 27,965,638.18 Total Encumbrance ISF \$ 3,921,523.03 Total Unencumbered Balance less Reserves ISF \$ 1,307,648.62

INDEX CODE	SUBFUND 15M	BUDGET	Actual	Encumbrance	Balance (Bud. less Actual less Enc)	Reverses	Unencumbered Balance less Reserves	Scope	Status
PW0015HARTS	AVONDALE/HILLSIDE TREE SURVEY	\$ 40,000.00	\$ 39,998.80	\$ -	\$ 1.20	\$ -	\$ 1.20		
PW0015HBDTP	BAKERFIELDS DR TREE PLANTING	\$ 8,305.76	\$ 6,544.61	\$ 1,661.15	\$ -	\$ -	\$ -	Classified Dr Tree Planting	Open - Pending invoices for establishment period maintenance
		\$ 171,305.76	\$ 171,543.41	\$ 1,661.15	\$ 1.20	\$ -	\$ 1.20		

Total Subfund 15M

CITY OF JACKSONVILLE TREE PLANTING PROJECTS - ACTIVE

See jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details											
CD	Project Title	Project Scope	Project or Ordinance Number	Project Manager	Estimated Cost	Actual Cost	Anticipated Start Date	Actual Start Date	Anticipated Completion Date	Actual Completion Date	Status
7	Harts Rd & Dunn Ave. Medians and Streetscape in Downtown Jacksonville	5 Date Palms to be planted on two medians on Harts Rd. at the cross street of Dunn Ave. 8 Date Palms to be planted as replacements in Downtown Jax (4 on Riverside Ave., 2 on Adam St. W, 1 on Forsyth St W, 1 on Monroe St) 13 Date Palms total. Includes removal of existing Date Palm stumps in city street planting boxes. Introduced by CM Gaffney. Appropriation from Tree Fund 15F.	2018-0007-E	Richard Leon/ Kathleen McGovern	\$62,540.03		4/10/2018				In Progress; Planting Phase 1 Scheduled for week of 3/19/18
6	Old St. Augustine Rd Medians	Two median tree plantings on Old St. Augustine Rd. from Barrtram Park Blvd to entrance of Palmetto Leaves Park South. Introduced by CM Schellenberg. Appropriation from Tree Fund 15F.	2018-0043-E	Richard Leon/ Kathleen McGovern	\$18,364.21		4/20/2018				In Progress; trees on order
14	King Street	King St. from College St to Park St., replacement planting on nine medians and sidewalk cut-outs. Introduced by CM Love. Appropriation requested from 15F.	2018-0159	Richard Leon/Kathleen McGovern	\$85,366.23						Introduced at Council Meeting 3/13/18

CITY OF JACKSONVILLE TREE PLANTING PROJECTS - PENDING

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

CD	Project Title	Project Scope	Project or Ordinance Number	Project Manager	Estimated Cost	Actual Cost	Anticipate d Start Date	Actual Start Date	Anticipated Completion Date	Actual Completion Date	Status
14	Avondale Neighborhood -Tree Planting Plan	Tree Planting in City ROW on residential streets in Avondale replace dead/storm damaged trees. Introduced by CM Love. Appropriation requested from 15F.		Richard Leon/Kathleen McGovern	\$26,753.42						Submitted 3/7/2018
6	San Jose Blvd	From Julington Creek Bridge to I-295; 19 medians. Introduced by CM Schellenberg		Richard Leon/Kathleen McGovern							Pending
4	Patton Rd/Beach Blvd. -Southside	Right of Way Plantings on two adjacent sites at the intersection of Patton Rd. and Beach Blvd., no tree removals. Introduced by CM Scott Wilson and through citizen request. Appropriation requested from 15F (\$19,138.05) and 15N (\$18,260.20)		Dave McDaniel/Kathleen McGovern	\$37,398.25						Submitted 3/7/2018
8	North Shore	Assessment of current tree canopy and potential tree planting areas. Introduced by CM Katrina Brown.		Dave McDaniel/Kathleen McGovern							Pending
4	Brookview Park Neighborhood	Tree Planting in City ROW on residential streets and community park. Introduced by the Special Committee of Safe and Healthy Neighborhoods.		Dave McDaniel/Kathleen McGovern							Pending
8	Myrtle/Moncrief Neighborhood	Tree Planting in City ROW on residential streets. Introduced by the Special Committee of Safe and Healthy Neighborhoods.		Dave McDaniel/Kathleen McGovern							Pending
7	Springfield	Tree Planting in City ROW on residential streets per citizen request and post removal of declining/dead trees per hurricane damage and natural lifespan completion.		Richard Leon/Kathleen McGovern							Pending

1
2 **TREE COMMISSION RESOLUTION**

3 A RESOLUTION EXPRESSING AN OFFICIAL POSITION
4 AGAINST THE PLANTING OF DATE PALMS (PHOENIX
5 DACTYLIFERA) ON PUBLIC PROPERTY WITHIN THE
6 CITY OF JACKSONVILLE OR ANYWHERE ELSE USING
7 APPROPRIATIONS FROM THE TREE FUNDS (15F AND
8 15N); PROVIDING AN EFFECTIVE DATE.

9
10 **WHEREAS**, Date Palms (scientific name: Phoenix Dactylifera)
11 have been planted in the City of Jacksonville for many decades; and

12 **WHEREAS**, Date Palms are not native to the City of Jacksonville
13 or the United States Department of Agriculture Plant Hardiness Zone
14 9a; and

15 **WHEREAS**, a single Date Palm tree costs approximately
16 \$5,000.00; and

17 **WHEREAS**, a single Date Palm costs approximately \$300.00 to
18 \$500.00 per year to maintain and the City already incurs
19 approximately \$45,000 to \$55,000 in annual maintenance costs to
20 maintain City-owned Date Palm; and

21 **WHEREAS**, the maintenance of a Date Palm requires careful
22 pruning and trimming within a specific 3 to 4 week window of time;
23 and

24 **WHEREAS**, if a Date Palm does not receive the required
25 maintenance the fruit and the large, heavy palm fronds of the tree
26 will fall to the ground, decay and create a mess that could result
27 in damage to property and injury to persons; and

28 **WHEREAS**, pursuant to Sec. 25.02(g), *Charter*, a Date Palm
29 cannot be used as a *Mitigation Tree (Replacement Tree)* because it
30 is not expressly identified as such and it is not an "indigenous
31 tree that reaches a height at maturity of at least 45 feet and a

1 spread at maturity of at least 30 feet; and

2 **WHEREAS**, based on research conducted by the University of
3 Florida IFAS Extension, "Texas Phoenix Palm Decline" or
4 "Lethal Bronzing", is a relatively new bacterial tree disease that
5 kills certain species of palm trees and is spreading throughout
6 Florida and the South; and

7 **WHEREAS**, according to the research, the Date Palm is
8 susceptible to Lethal Bronzing, and the University of Florida IFAS
9 Extension recommends avoiding planting Date Palms due to this
10 susceptibility; and

11 **WHEREAS**, the City has two Tree Protection and Related Expenses
12 Trust Funds- the Charter Fund (15N) and the Ordinance Fund (15F)
13 (collectively "Tree Funds"), both of which are comprised of funds
14 collected by the City for mitigation of the removal of certain
15 trees within in the City and such funds are required to be
16 appropriated for the planting of trees on public property in the
17 City; and

18 **WHEREAS**, pursuant to Sec. 94.105(a), *Ordinance Code*, one of
19 the Tree Commission's purposes is to study and make recommendations
20 to the City Council with respect to the planting of trees and the
21 health of the City's tree canopy; and

22 **WHEREAS**, pursuant to Sec. 94.106(h), *Ordinance Code*, one of
23 the Tree Commission's duties is to identify issues relative to the
24 health and protection of public trees and recommend solutions to
25 problems identified;

26 **WHEREAS**, the City of Jacksonville Tree Commission desires to
27 make a recommendation to the Council through the formal resolution
28 process; now therefore

29 **BE IT RESOLVED** by the Tree Commission of the City of
30 Jacksonville:

31 **Section 1. Findings.** The Tree Commission finds the

1 foregoing to be true and accurate.

2 Section 2. Expression of Opposition to the Planting of
3 Date Palms in the City of Jacksonville and the Use of Tree Funds to
4 Plant Date Palms in Public Property in the City of Jacksonville.

5 The City of Jacksonville Tree Commission does hereby state its
6 official position against future planting of Date Palms in the City
7 of Jacksonville and the use of money from the Tree Funds to
8 purchase, plant, or maintain Date Palms on public property within
9 the City of Jacksonville for the following reasons: 1) Date Palms
10 are expensive to purchase and similar palm trees are available at
11 lower cost, 2) the maintenance of Date Palms are expensive and
12 time-consuming when compared to other trees; 3) Date Palms are not
13 indigenous to the area and cannot be used as replacement trees
14 using the Charter Tree Fund because they are not indigenous and
15 does not provide the required crown spread; and 4) Lethal Bronzing
16 is a threat to Date Palms and the University of Florida IFAS
17 Extension recommends not planting susceptible palm trees.

18 **DONE AND ORDERED** at the _____ meeting of the Tree
19 Commission.

20
21 _____
22 John R. Crescimbeni,
23 Chairman of the Tree Commission,
24 City Council Member, Group 2 At-Large

TREE FUND PROJECT APPROVAL PROCESS

	CITY ADMINISTERED PROJECT	NON-CITY ADMINISTERED PROJECT
Application	<ul style="list-style-type: none"> ➤ Most likely a "sponsor" of a project ➤ Would suggest tree planting in a certain area ➤ May request specific trees or leave it up to City Arborist ➤ May want to be involved in planting or may just want trees ➤ Approval to do planting in area (ROW, School Board, Parks & Rec, etc) 	<ul style="list-style-type: none"> ➤ Most likely a "sophisticated or experienced" applicant ➤ Responsible for the project ➤ Would want minimum qualifications for the applicant ➤ Would need to provide the entire planting plan ➤ Would know which trees to plant ➤ Would want to choose the contractor to plant trees ➤ Would need a form-approved agreement with the City (see Greenscape 1 tree 1 school campaign) ➤ Need to warranty, insurance, bond, indemnify, comply with all laws, etc. ➤ Need approval and permit for Right of Way work or access approval if on other public lands
Planting	<ul style="list-style-type: none"> ➤ Would use City Contractor (currently Davey Tree) ➤ May have a ceremony or marker indicating the project sponsor 	<ul style="list-style-type: none"> ➤ Contractor needs to carry insurance if not Davey Tree ➤ Would need releases and indemnifications if volunteers do plantings (Risk Management not in favor of non-qualified planters)
Project Administration	<ul style="list-style-type: none"> ➤ Administered by the City Arborist ➤ No additional administrative fees 	<ul style="list-style-type: none"> ➤ Administered by Applicant with oversight by City Arborist ➤ May request Administrative Fees (need to decide if cap on fees or %) ➤ What are appropriate administrative costs (planning, ancillary planting supplies/costs, community outreach/coordination costs)?
Maintenance of Planting	<ul style="list-style-type: none"> ➤ Maintenance and irrigation contemplated and decided by City 	<ul style="list-style-type: none"> ➤ Do we want to require irrigation and maintenance for a certain amount of time ➤ Agree to warranty all trees for a period of one year

Questions for both processes:

1. Include a requirement to notify Councilmember?
 - a. Yes, the Commission Secretary shall provide notice to the Councilperson at the time the application is submitted
2. Require specific class of trees?
 - a. Florida Fancy or Florida #1 standard
 - b. Minimum of 3" caliper
 - c. Maximum of 6" caliper
 - d. No permanent irrigation allowed, temporary irrigation will be decided on a case-by-case basis
3. Deadlines for submittal and review by staff?
4. What are the evaluation criteria for the projects?
 - a. How does Plan-It Geo fit in? (require use of Plan-It Geo/ Jax Digs Tree Application for all Tree Commission Projects)
 - b. What about after a storm with tree loss?
 - c. Are applications graded or pass/fail
 - d. What about application deadlines?
 - i. Different for each process?
 - e. Limit money spent per year?
5. Appropriation need to go to Council from Councilmember or joint approval of Directors of Public Works and Parks & Recreation. May want to recommend code to allow legislation to be filed by Tree Commission
6. What is the process for creating a priority list?

Questions specific to Non-City Led Projects:

1. Applicant criteria:
 - a. Not-for-profit (specifically a 501(c) or non-COJ government agency or body (i.e. Jacksonville Beach, FDOT) currently operating in Duval County (yes)
 - b. Have been in existence for at least 1 year (yes)
 - c. Has been authorized by the owner/operator of the public property in which planting is planned (yes)
 - d. Has experience related to trees or has a contractor who has such experience also execute the contract with the City

2. Procurement Code compliance or exemption per Sec. 126.107(g)
 - a. Formal procurement process will be exempt, however, applicant must solicit competitive bids, including from Davey Tree and choose the lowest, best response from at least 3 bids
 3. Project costs need to be equal to or less than Davey (Yes, but only in terms of tree prices)
 4. Warranty equal to (or better than) Davey:
144.48 Warranty:
 - A. "Warranty that all plants will remain in "healthy, vigorous condition" and remain in conformance with the specifications for a minimum of 12 months from the date of the Initial Acceptance and until Final Acceptance."
 - B. "B. If the Final Inspection occurs in the dormant season when deciduous plants are not in full leaf, then the warranty of deciduous plants shall be extended until the plants are in full green leaf, and can be inspected and approved by the Contract Manager."
5. Volunteers are not allowed to plant in the City right-of-way without City involvement and oversight
6. Narrative:
 - a. Explain the reason/need for the project
 - i. Benefit the City, neighborhood, or area
 - b. Score of Plan-it Geo criteria (John November to explain)
 - c. Maintenance Analysis:
 - i. Impacts from the species on City infrastructure (roads, sidewalks, drainage system) and JEA infrastructure (above and below surface), with special attention to species bi-products that require enhanced maintenance (fruiting, roots)
 - ii. Impacts from "high maintenance" trees that require extra maintenance to retain good appearance (blight from unmaintained trees)
 - d. Operations Analysis:
 - i. Adverse impacts on Safety to City or JEA infrastructure such as site distance on roads, sidewalk encroachment, power line/pole impact and damage, impact street light performance or damage
 - ii. Easy to keep tree healthy
 1. No irrigation beyond the first year
 2. Annual cost of fertilization
 3. Adverse impact to City's TMDL BMAP (River/Tributaries Nitrogen Reduction requirement)
 - e. Positive Impacts Analysis:

- i. Potential Stormwater benefits- study to determine benefits will be underway
- ii. Groundwater benefits- help in reducing impacts from high groundwater on COJ infrastructure

CHRIS FLANN

Attachment F

Jacksonville Tree Commission Meeting

3/22/2018

Inquiries conducted into the active status of the First Coast Chapter of International Palm Society.

1. Attempts to contact the representatives listed at www.palms.org for the First Coast Chapter were denied via undeliverable email addresses listed for David Casella, President and Joel Timyan E-Mail Representative.
2. I left an email message with volunteer for the First Coast Chapter listed as Bruce Latimer urging him to make the Society's position on the Resolution known.
3. I reached out to George Nottingham with ^{opinion} GROUNDWORKS OUT OF Palm Beach county for their expertise and ^{when} ~~option~~ on the Phoenix dachyifera use in Jacksonville. They were responsive and offered to be available for expertise from the nursery grower perspective on cold hardiness, maintenance requirements, "Texas Phoenix Palm Decline", etc. contact Amanda@datepalm.com
4. Groundworks was not aware of the activities and positions of the International Palm Society other than to say that they believe them to be a club, or an intellectual society of like interests and not a leader in the industry of Palm tree uses and concerns.

One Tree, One School Cost Comparison

Quantity	Type of Tree	Allstar		Davey	
		Cost/Tree	Total	Cost/Tree	Total
49	Live Oak (30 gallon)	\$641.50	\$31,433.50	\$260.00	\$12,740.00
7	Live Oak (65 gallon)	\$940.50	\$6,583.50	\$543.00	\$3,801.00
1	Savannah Holly (30 gallon)	\$901.50	\$901.50	\$249.00	\$249.00
13	Bald Cypress (30 gallon)	\$680.50	\$8,846.50	\$249.00	\$3,237.00
5	Bald Cypress (65 gallon)	\$940.50	\$4,702.50	\$378.00	\$1,890.00
10	Winged Elm (30 gallon)	\$719.50	\$7,195.00	\$249.00	\$2,490.00
10	Nuttall Oak (30 gallon)	\$628.50	\$6,285.00	\$249.00	\$2,490.00
4	Nuttall Oak (65 gallon)	\$979.50	\$3,918.00	\$400.00	\$1,600.00
10	Longleaf Pine (30 gallon)	\$641.50	\$6,415.00	\$205.00	\$2,050.00
1	Longleaf Pine (65 gallon)	\$940.50	\$940.50	\$290.00	\$290.00
13	Red Cedar (30 gallon)	\$609.00	\$7,917.00	\$238.00	\$3,094.00
2	Red Cedar (65 gallon)	\$914.50	\$1,829.00	\$345.00	\$690.00
6	Tulip Tree (30 gallon)	\$641.50	\$3,849.00	\$249.00	\$1,494.00
2	Tulip Tree (65 gallon)	\$771.50	\$1,543.00	\$422.00	\$844.00
10	Red Maple (30 gallon)	\$615.50	\$6,155.00	\$400.00	\$4,000.00
1	Black Gum (30 gallon)	\$615.50	\$615.50	\$249.00	\$249.00

144

TOTAL \$99,129.50

\$41,208.00

Difference \$57,921.50

**DAVEY TREE CONTRACT EXPENDITURES:
COUNTY WIDE TREE PLANTING AND MIS LANDSCAPING
FY 2013/14 TO FY 2017/18**

FISCAL YR	CONTRACT EXPENDITURES
FY 13/14	\$724,830
FY14/15	\$537,255
FY15/16	\$399,480
FY16/17	\$178,310
FY17/18*	\$102,559
TOTAL	\$1,942,434

*PO's issued through February 2018

Prepared by FWP
3/21/2018

**EXHIBIT "A" TO AGREEMENT
COJ/DCSB One Tree for Each School**

GREENSCAPE SCOPE OF WORK

Background:

The proposed project ("Project") is a large scale tree planting that will take place at each of the approximately 160 Duval County Public School ("DCPS") facilities, including the traditional schools, the Department of Juvenile Justice schools, and _____ ("Facilities").

This effort is proposed to educate students, and the public in general, about the importance of trees in our environment both physically and culturally.

Ceremonies and public outreach about the tree plantings are contemplated to take place in selected locations. There will be at least one ceremony in each City Council District and will include members of the School Board and staff, Jacksonville City Council Members, City Administration staff, and students from the Facility if possible.

Timeline: The Project will occur in three (3) Phases.

Phase 1: Planning. September 2016 through February 2017.

Phase 2: Implementation. March 1, 2017 through March 1, 2018.

Phase 3: Final Inspection. At least one year after the trees are planted, an inspection shall occur to assure that the trees are thriving. If a tree is replaced, the one year warranty and maintenance term will begin again.

Participants:

- A person or entity that will be responsible for planning and implementing the Project ("**Greenscape**").
- The City of Jacksonville (the "**City**"), Public Works Department, Mowing and Landscape Maintenance Division ("**City Representative**").
- Duval County Public Schools, Facilities Division ("**DCPS Facilities Representative**") will coordinate with Greenscape on the planning and implementation of the Project;

Participant Tasks:

Greenscape will:

- **General:**
 - Coordinate with the City Representative regarding contract requirements between the City and Greenscape.
 - Have as part of the Greenscape team a certified arborist or landscape architect, as well as a landscape contractor to obtain, install and warranty the trees for one year.
 - Engage the arborist or landscape architect on an as-needed basis to recommend the tree size and type and an appropriate location for the

selected tree on each Facility, and to conduct inspections of the Tree Contractor's work after the completion of installation and at the end of the warranty period.

- Lead the media relations effort on the Project in coordination with City and DCSB Representatives.
 - Produce at least one ceremony and awareness event at a Facility in each City Council District.
 - Provide the clerical support, office supplies, accounting and administrative services required to perform this Scope of Work.
- Phase I
 - Plan the tree plantings in coordination with the DCPS Facilities Representative for each Facility.
 - If a Facility cannot accommodate a tree, an alternative publically owned site near the Facility, such as a library or park, will be chosen by Greenscape through coordination with the City and/or the other governmental landowner.
 - Provide a planting plan, including a species and size schedule, for the tree plantings to occur at each Facility in electronic and hard copy to the City Representative and DCPS Facilities Representative for administrative approval (the "Plan"). The Plan for each Facility will become an exhibit in the Memorandum of Understanding executed between the City and the DCSB.
 - Secure bids from at least three qualified landscape contractors, using qualifications provided by the City, and select the landscape contractor offering the lowest bid to provide, install, and warranty and maintain the tree selected for each Facility for one year after planting ("Tree Contractor").
 - Based upon the Tree Contractor's bid, prepare and provide the City with the budget for Phase II.
 - Provide each Facility with a packet of information on proper tree care and maintenance for the tree selected at each Facility.
 - Provide a "Commitment to Care" form for each Principal to sign committing to care for their new tree in accordance with the standard of care outlined.
 - Phase II
 - Contract with the Tree Contractor to obtain, install, warranty and maintain for one year after planting, the tree shown on the Plan for each Facility.
 - Require the Tree Contractor to provide a Performance/Payment bond for the Project.
 - No planting will take place between May 15 and October 15 unless automatic irrigation is supplied.
 - Plan and coordinate, pro bono, a ceremony for a tree planting in at least each City Council District.
 - Provide information and public outreach about each City Council District ceremony and the timing of the plantings.

- **Phase III**
 - Inspect each tree after the one year warranty period ends and submit to the City Representative a punch list of trees not in conformance with the specifications.
 - If a tree is not thriving and requires replacing, the new tree will be subject to the one year warranty and maintenance requirements of the original tree.
 - Provide a letter of Final Acceptance when all work is completed in conformance with the Plan and specifications.
 - Upon Final Acceptance, the DCPS will be responsible for maintenance of the trees at each Facility. Obtain a Commitment to Care form for each Facility.
 - If a tree is planted on an alternative site, the owner or party responsible for the maintenance of the property shall be responsible for the maintenance of the tree. Obtain a Commitment to Care form from the alternative site owner.

The City Representative will:

- Oversee requirements of the contract between the City and Greenscape;
- Coordinate with the City Treasurer to provide funding appropriated from the Tree and Related Expenses Trust Fund for this Project;
- Provide the list of Florida friendly trees which may be planted on the Facilities;
- Provide to Greenscape the qualifications for Tree Contractor bidders, a list of appropriate trees from which to choose, the sizes of the trees, and specifications for the installation, maintenance and warranty of the trees for the one year period;
- Approve the Plan for each Facility; and
- Review invoices and approve payments requested by Greenscape.

The Council Auditor's Office will provide oversight of expenditures.

The Director of Public Works will approve the species and location of the plantings chosen by Greenscape and DCPS Facilities Representative for each Facility through a Memorandum of Understanding between the DCPS and the City.

The DCPS Facilities Representative will:

- Provide Greenscape with a boundary sketch or site plan of each Facility;
- Provide access to and accompany Greenscape on a site visit of each Facility for the purpose of locating a planting site and selection of an appropriate species of tree;
- Provide Greenscape with a site plan showing the location of all underground utilities and above-ground existing and planned improvements for each Facility;
- Provide Greenscape and its Tree Contractor with access to each Facility for the tree planting and maintenance efforts.

The Assistant Superintendent shall approve the species and location of the plantings chosen by Greenscape and DCPS Facilities for each Facility through a Memorandum of Understanding between the DCPS and the City.



The Arbor Day Foundation collaborates with the [National Association of State Foresters](#) to create the TreeLine USA® program. The Tree-Line-USA program balancing the benefits of reliable utility services with proper tree care for a sustainable urban tree canopy.

The Tree-Line-USA program exists to recognize best practices in public and private utility arboriculture, demonstrating how trees and utilities can co-exist for the benefit of communities and citizens.

Five Core Standards

1. [Quality Tree Care](#) — Industry standards for pruning, planting, removals, trenching, and tunneling near trees are consistently followed.
2. [Annual Worker Training](#) — Utility employees and contract workers are trained at least annually in best practices.
3. [Tree Planting and Public Education](#) — Tree planting and public education programs are available to the public and paying customers, demonstrating proper tree planting, placement, and pruning while expanding the tree canopy in the community.
4. [Tree-Based Energy Conservation Program](#) — A formal tree-based energy conservation program is in place, putting special consideration on the value of trees in conserving energy.
5. [Arbor Day Celebration](#) — Sponsorship of or participation in annual Arbor Day events at the community level are documented, including collaboration with community groups whenever possible.

Want to learn more about the Tree-Line USA program, visit, <https://www.arborday.org/programs/treeLineUSA/>

➤ How are trees pruned in a remote or wooded area?

In remote/rural locations, utilities often utilize mechanical equipment to increase efficiency and worker safety. Large saws mounted on high-reaching booms can be used to prune the sides of right-of-way corridors. In some cases, saws are suspended from helicopters. When using this equipment it is understood that the quality of the cuts can be less than those made by hand. Nevertheless, efforts are made to avoid unnecessary damage to the tree.

Chemical application is another method of side pruning where herbicides are applied to the foliage of selected branches growing into the right-of-way corridor. The treated branches eventually die and are shed by the tree.

➤ Who will be performing the work on my trees?

Only qualified utility line clearance professionals arborists who meet OSHA qualifications are legally permitted to work within 10 feet of power lines or work on a tree that has branches within 10 feet of power lines. Line clearance arborists are trained to prune trees according to American National Standards Institute (ANSI) A-300 pruning standards and follow industry best practices, which helps preserve the health of trees.

● **Danger:** Homeowners should never hire a private tree contractor to work within 10 feet of power lines or attempt to do the work themselves. The utility should always be contacted for information first.

➤ What specific pruning guidelines are followed?

The ANSI A-300 Part 1: Tree, Shrub and Other Woody Plant Maintenance—Standard Practices, Pruning are the accepted guidelines and are endorsed by the International Society of Arboriculture (ISA). They promote directional pruning methods which minimize pruning stress and focus on tree health while obtaining necessary clearance from power lines.

➤ How often is utility tree pruning completed?

The time between maintenance activities varies from utility to utility and between different regions of the country. Sometimes the cycle is mandated by the state agency. The interval is based on:

- expected re-growth rates of the tree species
- amount of clearance obtained at the time of pruning
- available program funding

Some utilities conduct 'mid-cycle' pruning and/or inspections to mitigate the fastest growing trees and extend the cycle.

➤ The Right Tree in the Right Place

Planting the right tree in the right place can increase property value and energy efficiency of your home. It will also minimize property damage and power outages caused when trees come into contact with power lines. When planting a new tree, consider where you are placing it and what the tree will look like when it reaches its mature height and width. Look up from the proposed planting site and ensure there are no overhead wires in the vicinity. If there are, consult your utility before planting. Also, before planting, make sure you are aware of the location of any underground utilities. To be certain you do not accidentally dig into any lines and risk injury, always call your utility companies first.

➤ Additional Information

For additional information, contact:

- Utility Arborist Association; www.utilityarborist.org
- American National Standards Institute; www.ansi.org
- Tree Care Industry Association; www.tcia.org
- Trees are Good; www.treesaregood.org
- Tree Vitalize; www.treevitalize.com
- International Society of Arboriculture; www.isa-arbor.com
- Arbor Day Foundation; www.arbor-day.org/utility

UTILITY PRUNING OF TREES

Trees and Distribution Electric Service Q & A

- Any utility company's primary goal is to provide safe, reliable service. This brochure is intended to provide a generalized overview of how an electric utility may use tree maintenance techniques to achieve their goal.



Attachment K



Warning: Do not attempt to prune or remove trees in contact with or near electric lines unless OSHA line clearance certified. Contact your local electric utility before planting or pruning a tree near overhead electric wires.

Electric Utility Pruning Q & A

➤ Why do electric utilities prune trees?

- SAFETY**—Utility vegetation maintenance reduces electric hazard risk to the public by:
- providing separation between wires and vegetation to eliminate potential electrical shock
 - reducing potential wildfire hazards from tree/wire conflicts

RELIABILITY—Trees are among the most common causes of utility service interruptions. Trees that are too close to power lines can interfere with electric service, especially when weather brings lightning, wind, ice, or wet snow.

➤ How much will be cut from my tree?

Typically, a qualified utility forester or vegetation manager prescribes the amount and type of pruning necessary based on:

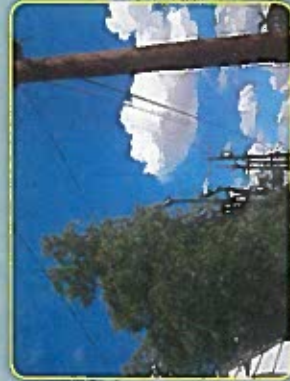
- tree growth rate and structure
- wind direction
- tree species: strong or weak wood
- tree health or vigor
- environmental factors
- water sources
- proximity of tree to wires and line configuration—higher voltage lines require greater clearance

➤ My trees are not even touching the wires, why do they have to be pruned now?

Utility companies are proactive and try to prune trees **BEFORE** they pose a risk to the power lines. Because trees are dynamic, factors such as swaying in the wind, sagging with ice/snow weight, and uprooting in storms are examples of how problems can develop without warning even if the trees are not in contact with wires at this moment.

➤ What is directional pruning?

Directional pruning removes branches growing toward the power lines while leaving those that are growing away. It is the most appropriate pruning method for utility line clearance.



➤ How will a tree look after it is directionally pruned?

Trees growing directly under power lines may appear U or V-shaped (crown reduction or through-pruning). Trees growing alongside power lines may appear L-shaped, or one side may be completely removed (side pruning). The tree may often appear misshapen but this pruning is being performed to provide for safety and service reliability, not for aesthetic purposes. In general, trees growing near the power lines will never have the potential to grow with a "natural" shape.

DO NOT TOP TREES!

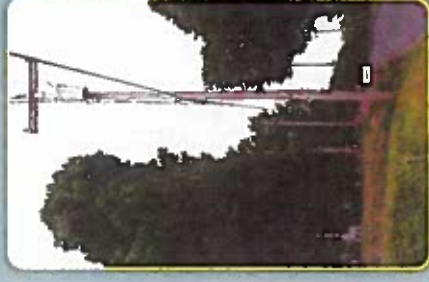
Also called 'rounding-over,' this is not directional pruning and is not an acceptable pruning practice. It involves cutting branches to stubs or lateral points that are not large enough to grow successfully. It can severely weaken the tree and even kill some species.



● EXAMPLES OF PROPER THROUGH-PRUNING:



● EXAMPLES OF PROPER SIDE PRUNING:



● EXAMPLE OF A PROPER CROWN REDUCTION:



➤ Why won't the utility put the lines underground?

Undergrounding of lines is very expensive and results in more difficult (and longer) repairs in the event of a power failure. Also, converting an overhead system to underground typically causes substantial damage to existing trees' root systems.

➤ Is my tree a candidate for removal?

Situations where tree removal may be preferable to line clearance pruning include:

- Tall or fast-growing species growing directly under the power lines that require frequent pruning and will never have a natural form
- Saplings (brush) with the potential to grow into or close to the lines
- Large, previously topped trees under the lines
- Trees with a high risk of failure (examples – leaning, in decline, severe dieback, cracked, split, hollow, etc)

● EXAMPLES OF PROPER SIDE PRUNING:





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): \$17,965,241.07
15N (Charter): \$3,705,981.90
Total: \$21,671,222.97



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

As of 3/21/2018 (Increase of \$97,515.79 since 3/8/2018)

One Tree, One School Cost Comparison

Quantity	Type of Tree	Allstar		Davey	
		Cost/Tree	Total	Cost/Tree	Total
28	Live Oak (30 gallon)	\$641.50	\$17,962.00	\$260.00	\$7,280.00
6	Live Oak (65 gallon)	\$940.50	\$5,643.00	\$543.00	\$3,258.00
1	Savannah Holly (30 gallon)	\$901.50	\$901.50	\$249.00	\$249.00
10	Bald Cypress (30 gallon)	\$680.50	\$6,805.00	\$249.00	\$2,490.00
4	Bald Cypress (65 gallon)	\$940.50	\$3,762.00	\$378.00	\$1,512.00
7	Winged Elm (30 gallon)	\$719.50	\$5,036.50	\$249.00	\$1,743.00
9	Nutall Oak (30 gallon)	\$628.50	\$5,656.50	\$249.00	\$2,241.00
4	Nutall Oak (65 gallon)	\$979.50	\$3,918.00	\$400.00	\$1,600.00
5	Longleaf Pine (30 gallon)	\$641.50	\$3,207.50	\$205.00	\$1,025.00
1	Longleaf Pine (65 gallon)	\$940.50	\$940.50	\$290.00	\$290.00
9	Red Cedar (30 gallon)	\$609.00	\$5,481.00	\$238.00	\$2,142.00
1	Red Cedar (65 gallon)	\$914.50	\$914.50	\$345.00	\$345.00
3	Tulip Tree (30 gallon)	\$641.50	\$1,924.50	\$249.00	\$747.00
1	Tulip Tree (65 gallon)	\$771.50	\$771.50	\$422.00	\$422.00
9	Red Maple (30 gallon)	\$615.50	\$5,539.50	\$400.00	\$3,600.00

98

TOTAL \$68,463.50

\$28,944.00

Difference \$39,519.50

One Tree, One School Cost Comparison

Quantity	Type of Tree	Allstar		Davey	
		Cost/Tree	Total	Cost/Tree	Total
49	Live Oak (30 gallon)	\$641.50	\$31,433.50	\$260.00	\$12,740.00
7	Live Oak (65 gallon)	\$940.50	\$6,583.50	\$543.00	\$3,801.00
1	Savannah Holly (30 gallon)	\$901.50	\$901.50	\$249.00	\$249.00
13	Bald Cypress (30 gallon)	\$680.50	\$8,846.50	\$249.00	\$3,237.00
5	Bald Cypress (65 gallon)	\$940.50	\$4,702.50	\$378.00	\$1,890.00
10	Winged Elm (30 gallon)	\$719.50	\$7,195.00	\$249.00	\$2,490.00
10	Nutall Oak (30 gallon)	\$628.50	\$6,285.00	\$249.00	\$2,490.00
4	Nutall Oak (65 gallon)	\$979.50	\$3,918.00	\$400.00	\$1,600.00
10	Longleaf Pine (30 gallon)	\$641.50	\$6,415.00	\$205.00	\$2,050.00
1	Longleaf Pine (65 gallon)	\$940.50	\$940.50	\$290.00	\$290.00
13	Red Cedar (30 gallon)	\$609.00	\$7,917.00	\$238.00	\$3,094.00
2	Red Cedar (65 gallon)	\$914.50	\$1,829.00	\$345.00	\$690.00
6	Tulip Tree (30 gallon)	\$641.50	\$3,849.00	\$249.00	\$1,494.00
2	Tulip Tree (65 gallon)	\$771.50	\$1,543.00	\$422.00	\$844.00
10	Red Maple (30 gallon)	\$615.50	\$6,155.00	\$400.00	\$4,000.00
1	Black Gum (30 gallon)	\$615.50	\$615.50	\$249.00	\$249.00
144		TOTAL	\$99,129.50		\$41,208.00

Difference \$57,921.50

3/16/2018

SUBFUND 15F

Index code	PO or Contract No.	Index Code Titles	Budget	Actual	Encumbrance	Unencumbered Balance. (Bud. less Actual less Enc)	Reserves	Unencumbered Balance less Reserves	Scope	Status
PWOD15FARATP	PO7A02942003	SANDALWOOD TREE REPLACEMENT PROJECT	\$ 13,795.52	\$ 12,415.97	\$ 1,379.55	\$ -	\$ -	\$ -	Alden Rd; Sam Hardwick Blvd; John Prom Blvd Median Trees	Open - Pending invoices for establishment period maintenance
PWOD15FFSAS	PO3019740003	FORREST STREET ASH SITE TREE/PLANTING	\$ 587,850.00	\$ 581,855.50	\$ 5,994.50	\$ -	\$ -	\$ -	Forest Street Ash Site Tree Planting	Balance available for additional tree planting within Ash site boundaries.
PWOD15FNMS	PO7A2942006	NORTH MAIN STREET LANDSCAPING	\$ 62,057.00	\$ 40,000.00	\$ 22,057.00	\$ -	\$ -	\$ -	North Main St, 3rd St to 8th St Tree Replacement	Open - Project on hold pending roadwork scheduled by FDOT
PWOD15FBDAS	PO3019740004	BROWN'S DUMP ASH SITE TREE/PLANTING	\$ 364,730.00	\$ 342,360.50	\$ 22,369.50	\$ -	\$ -	\$ -	Browns Dump Ash Site Tree Planting	Balance available for additional tree planting within Ash site boundaries.
PWOD15FFCAS	PO3019740005	5TH & CLEVELAND ASH SITE TREE/PLANTING	\$ 494,215.00	\$ 376,792.00	\$ 117,423.00	\$ -	\$ -	\$ -	5th St & Cleveland St Ash Site Tree Planting	Ongoing - Includes pending invoices for maintenance with balance available for additional planting.
PWOD15FDCS	CTPW16000066	DUVAL COUNTY SCHOOL BOARD PROPERTY	\$ 125,000.00	\$ 784.40	\$ 124,215.60	\$ -	\$ -	\$ -	One Tree Per School project with DCSB	Ongoing Maintenance during tree establishment; Period ends Spring 2018
PWOD15FHRDA	PWOD15FHRDA	TREE PLANTING - HARTS RD. AT DUNN AVE	\$ 23,718.27	\$ -	\$ 23,718.27	\$ -	\$ -	\$ -	5 Date Palms to be planted on two medians on Harts Rd. at the cross street of Dunn Ave. 8 Date Palms to be planted as replacements in Downtown Jax (4 on Riverside Ave., 2 on Adam St. W, 1 on Forsyth St W, 1 on Monroe St) 13 Date Palms total. Includes removal of existing Date Palm stumps in city street planting boxes. Introduced by CM Gaffney.	In Progress; Date Palms have been ordered for Phase 1 of planting at Harts Rd. and Dunn Ave.
PWOD15FDTP	PO7A02942007	MAIN STREET TREE PLANTING	\$ 38,821.76	\$ -	\$ 38,821.76	\$ -	\$ -	\$ -	North Main St, 3rd St to 8th St Tree Replacement	Open - Pending invoices for establishment period maintenance
PWOD15FZLAE	CTPW07000014	ZOO LANDSCAPING-ASIAN EXHIBIT	\$ 1,824,408.00	\$ 689,344.86	\$ 1,135,063.14	\$ -	\$ -	\$ -	Tree & Understory Planting	Ongoing
PWOD15FMSW	PO7A02942002	MINDANAO FROM ALOHA DR TO WITCHHAVEN ST	\$ 10,345.00	\$ 9,710.00	\$ -	\$ 635.00	\$ -	\$ 635.00	Sandalwood Blvd and Mindanao Road Planting	Completed - return funds
PWOD15FIBCL		INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING	\$ 100,000.00	\$ 63,468.82	\$ 17,245.00	\$ 19,286.18	\$ -	\$ 19,286.18		
	PO7A02942004				\$ 4,205.00				Southside Blvd; Beach Blvd and Atlantic Blvd tree replacement	Open - Pending invoices for establishment period maintenance
	PO7A02942008				\$ 1,039.00				Tree planting - Various Sites	Open - Pending invoices for establishment period maintenance
	PO7A02942010				\$ 1,076.00				Mayport Road Medians	Open - Pending invoices for establishment period maintenance
	PO7A02942012				\$ 2,265.00				Rio Lindo Dr Tree Planting	Open - Pending invoices for establishment period maintenance
	PO7A02942015				\$ 8,660.00				Rogero Rd Plant Replacement	Open - Pending invoices for establishment period maintenance
PWOD15FROW	PO3019740001	COUNTY-WIDE TREE PROG-RIGHT OF WAY	\$ 4,679,980.00	\$ 4,612,696.97	\$ 36,527.50	\$ 30,755.53	\$ -	\$ 30,755.53	County Wide Tree Planting	Ongoing - includes pending invoices for maintenance with balance available for additional planting with Ash site boundaries.
PWML15F	PO8A01798005	TREE MAINTENANCE	\$ 1,761,794.66	\$ 1,371,606.10	\$ 358,344.00	\$ 31,844.56	\$ -	\$ 31,844.56	25% of FY17/18 budgeted for Hazardous tree removal & pruning paid by Tree Fund	FY18 PO Active through 10/26/2018
PWOD15FHAMM	Pending	HAMMOND BLVD PROJECT	\$ 175,761.00	\$ -	\$ -	\$ 175,761.00	\$ -	\$ 175,761.00	Design, construction, plant establishment maintenance, and construction oversite of tree planting and incidental landscaping on Hammond Blvd. right-of-way from Mallory Rd. to Beaver St.	New project. Project scheduled to be completed by end of 2018.
PWOD15FVPP		COUNTY-WIDE TREE PROG-PRESERVATION PARKS	\$ 1,000,000.00	\$ 485,146.00	\$ -	\$ 514,854.00	\$ -	\$ 514,854.00	Various Sites throughout the City per Ordinance	Funding available for additional tree planting within limits of ordinance
PWOD15FVAP		COUNTY-WIDE TREE PROG-ACTIVE PARKS	\$ 1,151,965.00	\$ 619,419.96	\$ -	\$ 532,545.04	\$ -	\$ 532,545.04	Various Sites throughout the City per Ordinance	Funding available for additional tree planting within limits of ordinance
PWOD15FOSABP	REQ229668	OLD ST.AUG AT BARTRAM PARK	\$ 18,364.21	\$ -	\$ 18,364.21	\$ -	\$ -	\$ -		
PWOD15FTP		TREE PROTECTION & RELATED EXPENSES	\$ 3,548,512.75	\$ 2,097,443.55	\$ -	\$ 1,451,069.20	\$ 1,449,104.89	\$ 1,964.31	PWOD15FTP	
JXSF15FPW		TREE PROTECTION & RELATED EXPENDITURES	\$ 2,000,000.00	\$ -	\$ -	\$ 2,000,000.00	\$ 2,000,000.00	\$ -	JXSF15FPW	
JXSF15F		TREE PROTECTION & RELATED EXPENDITURES	\$ 2,365,740.86	\$ -	\$ -	\$ 2,365,740.86	\$ 2,365,740.86	\$ -	JXSF15F	
			\$ 20,347,059.03	\$ 11,303,044.63	\$ 1,938,768.03	\$ 7,122,491.37	\$ 5,814,845.75	\$ 1,307,645.62		

Total Subfund 15F **\$ 37,009,652.58** **\$ 27,965,638.18** **\$ 1,921,523.03** **\$ 7,122,491.37** **\$ 5,814,845.75** **\$ 1,307,645.62**

SUBFUND 15N										
INDEX CODE	Index Code Titles	BUDGET	Actual	Encumbrance	Balance. (Bud. less Actual less Enc)	Reserves	Unencumbered Balance less Reserves	Scope	Status	
PWOD15NARTS	AVONDALE/RIVERSIDE TREE SURVEY	\$ 40,000.00	\$ 39,998.80	\$ -	\$ 1.20	\$ -	\$ 1.20		PO balance will be deobligated	
PWOD15NBDTP	PO7A02942007 BAKERFIELDS DR TREE PLANTING	\$ 8,305.76	\$ 6,644.61	\$ 1,661.15	\$ -	\$ -	\$ -	Bakersfied Dr Tree Planting	Open - Pending invoices for establishment period maintenance	

Total Subfund 15N	\$ 173,305.76	\$ 171,643.41	\$ 1,661.15	\$ 1.20	\$ -	\$ 1.20
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CITY OF JACKSONVILLE TREE PLANTING PROJECTS - PENDING

CD	Project Title	Project Scope	Project or Ordinance Number	Project Manager	Estimated Cost	Status
14	King Street	King St. from College St to Park St., replacement planting on nine medians and sidewalk cut-outs. Introduced by CM Love. Appropriation requested from 15F.	2018-159	Richard Leon/Kathleen McGovern	\$85,366.23	Submitted 3/7/2018
14	Avondale Neighborhood -Tree Planting Plan	Tree Planting in City ROW on residential streets in Avondale to include Avondale Ave., Belvedere Ave., Challon Ave., Hollywood Ave., Oak St. and Windsor Native Park- replace dead/storm damaged trees. Introduced by CM Love. Appropriation requested from 15F.		Richard Leon/Kathleen McGovern	\$26,753.42	Submitted 3/7/2018
6	San Jose Blvd	From Julington Creek Bridge to I-295; 19 medians. Introduced by CM Schellenberg		Richard Leon/Kathleen McGovern		Pending
4	Patton Rd/Beach Blvd. -Southside	Right of Way Plantings on two adjacent sites at the intersection of Patton Rd. and Beach Blvd., no tree removals. Introduced by CM Scott Wilson and through citizen request. Appropriation requested from 15F.		Dave McDaniel/Kathleen McGovern	\$16,533.50	Submitted 3/7/2018
8	North Shore	Assessment of current tree canopy and potential tree planting areas. Introduced by CM Katrina Brown.		Dave McDaniel/Kathleen McGovern		Pending
4	Brookview Park Neighborhood	Tree Planting in City ROW on residential streets and community park. Introduced by the Special Committee of Safe and Healthy Neighborhoods.		Dave McDaniel/Kathleen McGovern		Pending
8	Myrtle/Moncrief Neighborhood	Tree Planting in City ROW on residential streets. Introduced by the Special Committee of Safe and Healthy Neighborhoods.		Dave McDaniel/Kathleen McGovern		Pending
7	Springfield	Tree Planting in City ROW on residential streets per citizen request and post removal of declining/dead trees per hurricane damage and natural lifespan completion.		Richard Leon/Kathleen McGovern		Pending

Analysis of Available Fund Balance for Appropriation
3/14/18

	(SF 15F) Tree Protection & Related Exp	(SF 15N) Tree Mitigation & Related Exp	TOTAL
	<u> </u>	<u> </u>	<u> </u>
Cash	21,194,410	3,706,294	24,900,704
Encumbrances	(1,921,523)	(1,661)	(1,923,184)
Appropriated Balance	(7,122,491)	(1)	(7,122,493)
 Add: Loans receivable	 -	 -	 -
Due from Other Governmental Units	-	-	-
Banking fund reimbursement to be made	-	-	-
 Less: Vouchers payable	 -	 -	 -
Accounts Payable	-	-	-
Contract payables	-	-	-
Unearned Revenue	-	-	-
Fund Balance Available to Appropriate	<u>12,150,395</u>	<u>3,704,632</u>	<u>15,855,027</u>
 Cash Carryover	 -	 -	 -
 Possible Addition:			
Additional Interest Earnings Estimate	-	-	-
Plus additional contribution revenue	-	-	-
From 09910 Council Reserve	5,814,846	-	5,814,846
 Grand Total Available to Appropriate	 <u><u>17,965,241</u></u>	 <u><u>3,704,632</u></u>	 <u><u>21,669,873</u></u>

Encumbrance Report

3/13/2018

Year	Encumbrance Number	Enc. Sfx	Subfund	Vendor Number	Vendor Suffix	Vendor Name	Encumbrance Balance	Index Code
2018	CTPW07000014	01	15F	591319010	01	JACKSONVILLE ZOOLOGICAL SOCIETY	1,135,063.14	PWOD15FZLAE
2018	CTPW16000066	02	15F	592283261	03	GREENSCAPE OF JACKSONVILLE INC	124,215.60	PWOD15FDCS
2018	PO3019740001	04	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	36,527.50	PWOD15FROW
2018	PO3019740003	02	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	5,994.50	PWOD15FFSAS
2018	PO3019740004	02	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	22,369.50	PWOD15FBDAS
2018	PO3019740005	02	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	117,423.00	PWOD15FFCAS
2018	PO7A02942003	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	1,379.55	PWOD15FARATP
2018	PO7A02942004	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	4,205.00	PWOD15FIBCL
2018	PO7A02942006	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	22,057.00	PWOD15FNMS
2018	PO7A02942007	01	15N	340176110	06	THE DAVEY TREE EXPERT COMPANY	1,661.15	PWOD15NBDTP
2018	PO7A02942008	02	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	1,039.00	PWOD15FIBCL
2018	PO7A02942010	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	1,076.40	PWOD15FIBCL
2018	PO7A02942012	03	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	2,264.99	PWOD15FIBCL
2018	PO7A02942015	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	8,659.61	PWOD15FIBCL
2018	PO7A02942017	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	38,821.76	PWOD15FDTP
2018	PO7A02942017	02	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	23,718.27	PWOD15FHRDA
2018	PO8A01798005	01	15F	161004851	05	LEWIS TREE SERVICE, INC.	358,344.00	PWML15F

1,904,819.97

Index Code Title

ZOO LANDSCAPING-ASIAN EXHIBIT
DUVAL COUNTY SCHOOL BOARD PROPERTY
COUNTY-WIDE TREE PROG-RIGHT OF WAY
FORREST STREET ASH SITE TREE/PLANTING
BROWN'S DUMP ASH SITE TREE/PLANTING
5TH & CLEVELAND ASH SITE TREE/PLANTING
SANDALWOOD TREE REPLACEMENT PROJECT
INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
NORTH MAIN STREET LANDSCAPING
BAKERSFIELD DRIVE-TREE PLANTING
INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
DOWNTOWN TREE PLANTING
TREE PLANTING - HARTS RD. AT DUNN AVE
TREE MAINTENANCE