

Jacksonville Tree Commission

Thursday, July 12th, 2018 – 12:00 PM

117 West Duval Street, Third Floor, Conference Room C

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

Advisors: Sondra Fetner
Richard Leon
Kathleen McGovern
Joel Provenza

Staff: Cindy Chism

AGENDA

Order of Agenda is Subject to Change

A. Call to Order and Verification of Quorum

1. Roll Call
2. Submittal of Speaker's Cards
3. Approval of minutes from June 28, 2018 meeting
4. Fund balance and encumbrance report for 15(F) and 15(N)
 - a. Better Jacksonville Plan funds
5. Status of Pending Tree Projects

B. New Business

1. Tree List and Application Workshop – CM Crescimbeni
2. Final Project Evaluation – Sondra Fetner
3. Lonnie Miller tree removal – John Pappas

C. Public Comment

D. Adjournment

Jacksonville Tree Commission
Meeting Minutes July 12, 2018
Approved July 25, 2018

Commissioners Present:	John Crescimbeni, Chair Chris Flagg Aaron Glick John Pappas Rhodes Robinson	Staff:	Cindy Chism
Advisors:	Jason Teal, OGC Richard Leon, Urban Forest Manager Kathleen McGovern, City Arborist Joel Provenza, Accounting	Public:	Tracey Arpen, Greenscape John November, Public Trust Anna Dooley, Greenscape Courtney Wilson, Greenscape

A. Meeting was called to Order by Chair at 12:07 PM.

1. All present introduced themselves.
2. Submittal of Speaker's Cards.
3. Motion made by Mr. Robinson, seconded by Mr. Pappas, to approve minutes from the meeting of June 28, 2018. None opposed.
4. Fund balance and encumbrance report for 15(F) and 15(N) (Attachment A)
 - a. Better Jacksonville Plan funds – CM Crescimbeni asked if it has yet been determined how much of the Better Jacksonville Plan funds are from 15(F) and how much are from 15(N). Mr. Provenza said he would follow up with Ms. Eichner.
5. Status of Pending Tree Projects (Attachment B) – there are no changes this week.

B. . New Business

1. Tree List (Attachment C) and Application Workshop
 - a. CM Crescimbeni asked if Mr. Leon and Ms. McGovern had been working on the tree list. Ms. McGovern said the IFES Florida Friendly column has been added, including a footnote describing what Florida Friendly means. A separate list will be developed for parks after a meeting with the Parks, Recreation and Community Services Department. CM Crescimbeni asked if the parks list will be expanded from the right-of-way list and if the other columns had been added. Ms. McGovern said that everything had been addressed.

b. CM Crescimbeni asked if life expectancy was discussed, and more specifically, the life expectancy of wax myrtle trees. Mr. Leon said they are a small understory tree and he wasn't sure of life expectancy. In the footnotes of the list, however, it states that wax myrtles are only to be used for mass plantings, visual screening, and transitions into natural areas. Mr. Flagg added that life expectancy of wax myrtles depends on a number of factors. There is a preferred life expectancy but it is based on perfect growing conditions. **The parks list will be available for the next meeting.**

2. Final Project Evaluation

a. As Ms. Fetner was unavailable, the Project Evaluation has not been finalized.

3. Lonnie Miller tree removal – John Pappas

a. Mr. Pappas said there were approximately twenty trees removed and a permit is required. The confusion arose because the park is an ash remediation site and the understanding was that no permits were necessary. Mr. Pappas said the trees removed were outside the actual ash removal area and do require mitigation which will be completed at the time of the park improvements. CM Crescimbeni asked if the requirements for mitigation are doubled because of the penalty implemented by the new ordinance. Mr. Pappas asked for leniency due to the confusion surrounding the entire site. There are more trees that have to come down for the installation of the amphitheater which is going through the permitting process now. **CM Crescimbeni has asked that at the next Tree Commission meeting, Ms. Fetner provide a detailed explanation of the project at Lonnie Miller Park.**

4. Right Tree, Right Place (Attachment D)

a. CM Crescimbeni provided a document from Florida Power and Light which has suggestions about planting trees near power lines and asked **Ms. Fetner to provide a report for the next meeting regarding any City regulations on planting near powerlines.** If there are no regulations, perhaps some should be generated. **Mr. Leon will invite Joe Anderson from JEA to the next meeting to brief the Tree Commission.**

C. Public Comment

John November, Public Trust – As there is no Tier II discussion today, Mr. November wanted to remind the Tree Commission that September 7 is fast approaching. CM Crescimbeni said the application format revision is being discussed with the City's IT Department. It will be converted to a fillable document online and will look more user-friendly. Ms. Fetner has been tasked with making the application "fun to complete and not something that looks like an IRS form."

Mr. November said he's started work with the Parks, Recreation and Community Services Department and the Timiquana Parks Foundation on our Preserves; looking at the Preserves and determining how they can be restored using tree funds. When the property was preserved in 1998, there were plans to reduce the amount of old planted slash pine and have it resemble more of an old growth forest.

Mr. November reiterated the importance of giving the Urban Forestry staff a small budget for City-wide, small-scale planting projects. As a part of that (potentially) \$3 million budget, \$1.5 million could be used exclusively with City Council Members to allocate approximately \$100,000 each for small-scale planting projects within their districts. Those projects would follow the requirements outlined by the Grandin Memo. Ms. McGovern would list the projects on the tree mitigation webpage and report to the Tree Commission on the status of these projects. The City Arborist has been hired to do a specific job and she is limited in what she can do without a budget. If the Tree Commission feels that amount is too robust, the Urban Forestry staff should be provided a budget to replace trees which have been removed.

CM Crescimbeni said he has asked the Council Auditor's Office to provide a detailed annual accounting of the 2008 appropriation (\$1.4 million) which went to the Public Works Department and took ten years to spend. At the next meeting, that report should be finalized and the distribution of those types of funds will be better understood.

Mr. Pappas pointed out that it was not policy to replace all trees being removed. That was more associated with Council Member projects. Did the Tree Commission want to make "remove and replace" a policy? Mr. Leon said he would like to get to that point. There is also a category in the C.A.R.E. system to request a tree. CM Crescimbeni asked if those projects would be listed on the tree mitigation webpage if this budget was provided for small scale plantings. Mr. November said according to the settlement, all funds spent from the tree fund must be tracked on the tree mitigation page. The projects would also show up on Plan-It GEO tool which will have its own layer that shows only trees planted with the tree funds on City property.

Mr. Teal asked about a possible perpetual re-engagement of the contract with Plan-It GEO because the Office of General Counsel is relying on that as evidence they may need later in a lawsuit. That is their source of inventory for what the tree funds are being used for. If the City decides not to renew that contract, will they lose all of that historic information? Mr. November responded that, as required by the settlement, everything needs to be listed on the tree mitigation page. Plan-It GEO can be used as an additional tool to spatially see where things are based on GPS. The license costs approximately \$3000-\$5000 per year and is paid for the next three years by Greenscape and Public Trust. All data can easily be extrapolated and dropped into another host should the decision be made not to renew.

Anna Dooley, Greenscape – Right Tree, Right Place is a philosophy which is held widely throughout the country particularly by utility companies, including JEA. Joe Anderson, from JEA is the perfect person to discuss this with the Tree Commission.

D. Action Items

Ms. McGovern will provide the parks list for the next meeting.

Ms. Fetner will provide a detailed explanation of the project at Lonnie Miller Park to the Commission.

Ms. Fetner will provide a report for the next meeting regarding any regulations on planting near powerlines.

Mr. Leon will invite Joe Anderson from JEA to the next meeting to discuss Right Tree, Right Place.

E. Information

The next meeting is scheduled for July 26th. Several Commissioners are not available. The meeting will be rescheduled for July 25th and can be held in any room which is open to the public.

F. Meeting adjourned at 12:52pm

INDEX CODE	Index Code Titles	BUDGET	Actual	Encumbrance	Unencumbered Budget Balance	Reserves	Unencumbered Balance net of Reserves
Subfund 15F Revenue							
PWOD15FTP	TREE PROTECTION & RELATED EXPENSES	29,420,122	40,962,898	1,380	11,542,776	-	11,542,776
JXSF15FPW	TREE PROTECTION & RELATED EXPENDITURES	7,535,414	8,584,921	5,995	1,049,507	-	1,049,507
JXSF15F	TREE PROTECTION & RELATED EXPENDITURES	-	8,580	22,057	8,580	-	8,580
TRIN15FR31R	TRF TO 15F TREE PROTECTION FR 31F	392	392	22,370	-	-	-
	CONVERSION AND NONCASH REVENUE ENTRIES		338,836		338,836		338,836
	Total Subfund 15F Revenue	36,955,929	49,895,627	-	12,939,699	-	12,939,699

* Subfund 15F Expenditures

PWOD15FARATP	SANDALWOOD TREE REPLACEMENT PROJECT	13,796	12,416	1,380	-	-	-
PWOD15FFSAS	FORREST STREET ASH SITE TREE/PLANTING	587,850	581,856	5,995	-	-	-
PWOD15FNMS	NORTH MAIN STREET LANDSCAPING	62,057	40,000	22,057	-	-	-
PWOD15FBDA5	BROWN'S DUMP ASH SITE TREE/PLANTING	364,730	342,361	22,370	-	-	-
PWOD15FFCAS	5TH & CLEVELAND ASH SITE TREE/PLANTING	494,215	376,792	117,423	-	-	-
PWOD15FDCCS	DUVAL COUNTY SCHOOL BOARD PROPERTY	125,000	784	124,216	-	-	-
PWOD15FDTP	DOWNTOWN TREE PLANTING	38,822	26,314	12,508	-	-	-
PWOD15FZLAE	ZOO LANDSCAPING-ASIAN EXHIBIT	1,824,408	689,345	1,135,063	-	-	-
PWOD15FHIBCL	INTERSEC. BRIDGE MISC 09/10 LANDSCAPING	100,000	65,742	14,972	19,286	-	19,286
Subfund 15F Revenue							
PWOD15FROW	COUNTY-WIDE TREE PROG-RIGHT OF WAY	4,679,980	4,613,147	36,078	30,756	-	30,756
Subfund 15F Expenditures							
PWM15F	TREE MAINTENANCE	1,761,795	1,599,796	149,412	12,587	-	12,587
PWOD15FATPP	AVONDALE TREE PLANTING PLAN	31,233	-	31,233	-	-	-
PWOD15FKSCP	KING ST. PLANTING COLLEGE TO PARK	85,366	-	85,366	-	-	-
PWOD15FHMM	HAMMOND BLVD PROJECT	175,761	-	-	175,761	-	175,761
PWOD15FVPP	COUNTY-WIDE TREE PROG-PRESERVATION PARKS	1,000,000	485,146	-	514,854	-	514,854
PWOD15FVAP	COUNTY-WIDE TREE PROG-ACTIVE PARKS	1,151,965	619,420	-	532,545	-	532,545
PWOD15FOSABP	OLD ST. AUG AT BARTRAM PARK	18,364	-	18,364	-	-	-
PWOD15FLAVC	LENOX AVE PLANTING VERNIA TO CASSAT	26,436	-	26,436	-	-	-
PWOD15FTIP	TREE PROTECTION & RELATED EXPENSES	3,548,513	2,097,444	-	1,451,069	-	1,449,105
JXSF15FPW	TREE PROTECTION & RELATED EXPENDITURES	2,000,635	-	-	2,000,635	-	2,000,635
JXSF15F	TREE PROTECTION & RELATED EXPENDITURES	2,365,741	-	-	2,365,741	-	2,365,741
	Subfund 15F Expenditures	20,456,665	11,550,561	1,802,871	7,103,233	5,815,481	1,287,753

* Includes accounts with encumbrances and budget balances

Unencumbered Budget Balance	12,939,699
Revenues	7,103,233
Expenditures	(1,287,753)
Unencumbered Balance net of Reserves	18,755,180
Subfund 15F Available to Appropriate (Budget less Actual less Encumbrance less Unencumbered Budget balance)	18,755,180

INDEX CODE	Index Code Titles	BUDGET	Actual	Encumbrance	Unencumbered Budget Balance	Reserves	Unencumbered Balance net of Reserves
PWOD15N15N	Subfund 15N Revenue						
	TREE MITIGATION & RELATED EXPENSES	173,306	4,241,945	-	4,068,639	-	-
	Total Subfund 15N Revenue	173,306	4,241,945	-	4,068,639	-	-
PWOD15NBDTP	*Subfund 15N Expenditures						
JYSF15N	BAKERSFIELD DRIVE-TREE PLANTING	8,306	7,475	831	-	-	-
	TREE MITIGATION & RELATED EXPENSE	1	-	-	1	1	-
	Subfund 15N Expenditures	8,307	7,475	831	1	1	-
	* Includes accounts with encumbrances and budget balances						
	Subfund 15N Available to Appropriate (Budget less Actual less Encumbrance less Unencumbered Budget balance)						4,068,640
PWCP351M1T	Better Jacksonville Plan						
	TREE MITIGATION PROJECT	1,717,826	-	-	1,717,826	-	1,717,826
	Better Jacksonville Plan (for Tree Mitigation) Available to Appropriate (Budget less Actual less Encumbrance less Unencumbered Budget balance)						1,717,826
	Total 15F and 15N Funds						22,823,820
	Better Jacksonville Plan - TREE MITIGATION PROJECT						1,717,826
	Grand Total						24,541,646


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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)	\$18,755,179.14
15N (Charter)	\$4,068,639.96
Total:	\$22,823,819.10



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.



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#REF!

7/9/2018

Year	Encumbrance Number	Enc. Sfx	Sub - fund	Vendor Number	Vendor Suffix	Vendor Name	Encumbrance Balance	Index Code	Index Code Title
2018	CTPW07000014	01	15F	591319010	01	JACKSONVILLE ZOOLOGICAL SOCIETY	1135063.14	PWOD15FZLAE	ZOO LANDSCAPING-ASIAN EXHIBIT
2018	CTPW16000066	02	15F	592283261	03	GREENSCAPE OF JACKSONVILLE INC	124215.6	PWOD15FDCS	DUVAL COUNTY SCHOOL BOARD PROPERTY
2018	PO3019740001	04	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	36077.5	PWOD15FROW	COUNTY-WIDE TREE PROG-RIGHT OF WAY
2018	PO3019740003	02	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	5994.5	PWOD15FFSAS	FORREST STREET ASH SITE TREE/PLANTING
2018	PO3019740004	02	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	22369.5	PWOD15FB DAS	BROWN'S DUMP ASH SITE TREE/PLANTING
2018	PO3019740005	02	15F	340176110	07	THE DAVEY TREE EXPERT COMPANY	117423	PWOD15FFCAS	5TH & CLEVELAND ASH SITE TREE/PLANTING
2018	PO7A02942003	02	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	1379.55	PWOD15FARATP	SANDALWOOD TREE REPLACEMENT PROJECT
2018	PO7A02942004	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	4205	PWOD15FIBCL	INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
2018	PO7A02942006	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	22057	PWOD15FNMS	NORTH MAIN STREET LANDSCAPING
2018	PO7A02942007	01	15N	340176110	06	THE DAVEY TREE EXPERT COMPANY	830.58	PWOD15NBDTP	BAKERSFIELD DRIVE-TREE PLANTING
2018	PO7A02942008	02	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	519.5	PWOD15FIBCL	INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
2018	PO7A02942010	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	1076.4	PWOD15FIBCL	INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
2018	PO7A02942012	03	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	511.32	PWOD15FIBCL	INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
2018	PO7A02942015	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	8659.61	PWOD15FIBCL	INTERSEC,BRIDGE,MISC 09/10 LANDSCAPING
2018	PO7A02942017	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	12508.02	PWOD15FDTP	DOWNTOWN TREE PLANTING
2018	PO7A02942018	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	18364.21	PWOD15FOSABP	OLD ST.AUG AT BARTRAM PARK
2018	PO7A02942019	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	85366.23	PWOD15FKSCP	KING ST. PLANTING COLLEGE TO PARK
2018	PO7A02942021	01	15F	340176110	06	THE DAVEY TREE EXPERT COMPANY	31232.6	PWOD15FATPP	AVONDALE TREE PLANTING PLAN
2018	PO8A01798005	01	15F	161004851	05	LEWIS TREE SERVICE, INC.	149412.28	PWML15F	TREE MAINTENANCE
2018	REQ235138	01	15F				26435.84	PWOD15FLAVC	LENOX AVE.PLANTING VERNA TO CASSAT

1,803,701.38

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CITY OF JACKSONVILLE TREE PLANTING PROJECTS - ACTIVE

See jaxtreemgmt.caj.net - Tree Fund City Projects for links to legislation and planting details

CD	Project Title	Project Scope	Project or Ordinance Number	Division/Project Manager	Estimated Cost	Actual Cost	Anticipated Start Date	Actual Start Date	Anticipated Completion Date	Actual Completion Date	Status
7	Main Street	Tree removal and Planting on N. Main St. between 1st. St. and 7th St.	2017-0111-E	Public Works - Mowing and Landscape Richard Leon/Fred Pope	\$22,057.00						Scheduling
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. (Phase 1) 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.) (Phase 2) 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	Public Works - Mowing and Landscape Richard Leon/ Kathleen McGovern	\$62,540.03	\$62,540.03	Phase 1 4/10/2018 Phase 2 4/25/18	Phase 1 3/23/2018 Phase 2 4/30/18	Phase 1 6/11/18 Phase 2 6/11/18	6/11/2018	Project and Inspection Complete 6/11/18
6	Old St. Augustine Rd Medians	Two median tree plantings on Old St. Augustine Rd. from Bartram Park Blvd to entrance of Palmetto Leaves Park South. (No removals) Introduced by CM Schellenberg. Appropriation from Tree Fund 15F.	2018-0043-E	Public Works - Mowing and Landscape Richard Leon/ Kathleen McGovern	\$18,364.21		4/20/2018	6/1/2018			In Progress
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-E	Public Works - Mowing and Landscape Richard Leon/ Kathleen McGovern	\$85,366.23		5/11/2018	5/11/2018			In Progress
4	Patton Rd/Beach Blvd. -Southside	Right of Way Plantings on two adjacent sites at the intersection of Patton Rd. and Beach Blvd. (no removals). Introduced by CM Scott Wilson and through citizen request. Appropriation requested from 15F (\$19,138.05) and 15N (\$18,260.20)	2018-0190	Public Works - Mowing and Landscape Dave McDaniel/Kathleen McGovern	\$37,398.25						Introduced 3/27/2018, Deferred pending changes
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.	2018-0273-E	Public Works - Mowing and Landscape Richard Leon/Kathleen McGovern	\$31,232.60						In Progress
4	Lenox Ave. Tree Planting	Tree Planting in City ROW tree planting (no removals) on Lenox Ave. from Shen Ave to Cassat Ave. Introduced by CM Dennis. Appropriation requested from 15F	2018-0307-E	Public Works - Mowing and Landscape Dave McDaniel/Kathleen McGovern	\$26,435.84						Enacted
7	Harts Rd. Medians and Right of Way	Tree Planting in City ROW and medians. Introduced by CM Gaffney	2018-0369	Public Works - Mowing and Landscape Dave McDaniel/Kathleen McGovern	\$31,265.81						Submitted 6/8/18

*Changes highlighted in green

**APPROVED TREES FOR CITY RIGHT-OF-WAY LANDSCAPING
CITY OF JACKSONVILLE**

Tree	Ht/Spd	¹ Plan Canopy Diameter	² Foliage	³ Light Required	⁴ Soil Drainage	⁵ Drought Tolerance	⁶ Growth Rate	Soil Tolerance (pH)	¹³ IFAS FL Friendly
SMALL TREES									
American Hornbeam <i>Carpinus caroliniana</i>	30-35'/ 25/30'	20'	DECID	FS/PS	WD	HIGH	SLOW	(4.2-7.6)	Y
Eastern Redbud <i>Cercis canadensis</i>	15-30'/ 15-25'	20'	DECID	FS, PSH	WD	HIGH	RAPID	(4.2-7.6)	Y
Crape Myrtle <i>Lagerstroemia indica</i> var. <i>Natchez, Muskogee, or Tuskegee</i>), Standard or Multi-trunk	15-20'/ 15-25'	18'	DECID	FS	WD	HIGH	MOD	(5.0-7.5)	Y
Fringe Tree <i>Chionanthus virginicus</i>	12-20'/ 10-15'	10'	DECID	FS, PSH, SH	WD	MOD	SLOW	(6.0-6.5)	Y
Little Gem Magnolia <i>Magnolia grandiflora</i> 'Little Gem'	25-35'/ 8-10'	15'	E'GRN	FS, PSH, SH	AW, WD	MOD	SLOW	(4.5-5.0) tolerant to 7.5	Y
Yaupon Holly <i>Ilex vomitoria</i>	15-25'/ 15-20'	15'	E'GRN	FS, PSH, SH	AW, WD	HIGH	SLOW	(4.5- 8.2)	Y
Wax-Leaf Ligustrum <i>Ligustrum japonicum</i>	8-12'/ 15-25'	12'	E'GRN	FS, PSH	WD	MOD	MOD	(5.5-7.5)	Y
⁸ Wax Myrtle <i>Myrica cerifera</i>	15-25'/ 20-25'	20'	E'GRN	FS, PSH, SH	W WD	HIGH	RAPID	(5.5 - 7.0) tolerant to 8.2	
Walters Viburnum <i>Viburnum obovatum</i>	8-25'/ 6-12'	10'	SEMI-E'GRN	FS, SH	W OW	HIGH	MOD	(5.0-7.5)	Y
MEDIUM TREES									
Athena Elm <i>Ulmus parvifolia</i> 'Emer I'	45'/ 50'	30'	DECID	FS	OW, WD	MOD	MOD	(4.8-7.5)	
Bosque Elm <i>Ulmus parvifolia</i> 'Bosque'	45'/ 50'	30'	DECID	FS	OW, WD	MOD	MOD	(4.8-7.5)	
¹⁴ Drake Elm <i>Ulmus parvifolia</i> 'Drake'	35-40'/ 35-50'	30'	DECID	FS, PSH	OW, WD	MOD	MOD	(4.8-7.5)	
Dahoon Holly <i>Ilex cassine</i>	20-30'/ 8-12'	15'	E'GRN	FS, PSH	W, OW	MOD	SLOW	(3.5-6.5)	Y
Eagleston Holly <i>Ilex attenuata</i> 'Eagleston'	30-45'/ 15-25'	20'	E'GRN	FS, PSH	WD	MOD	MOD	(4.0-6.0) tolerant to 7.5	
East Palatka Holly <i>Ilex attenuata</i> 'East Palatka'	30-45'/ 15-25'	20'	E'GRN	FS, PSH	WD	MOD	MOD	(4.0-6.0) tolerant to 7.5	Y
Southern Red Cedar <i>Juniperus silocitoides</i>	30-40'/ 20-30'	20'	E'GRN	FS, PSH	WD	HIGH	SLOW	(5.5-7.5) tolerant to 8.0	Y
⁸ River Birch <i>Betula nigra</i>	40-50'/ 25-35'	20'	DECID	FS, PSH	W, OW	LOW	RAPID	(4.0-6.5) tolerant to <4.0	Y
Winged Elm <i>Ulmus alata</i>	40-50'/ 30-40'	30'	DECID	FS, PSH	OW, WD	LOW	MOD	(5.0-7.0) tolerant to 8.0	Y
¹⁰ LARGE TREES									
Ailee Elm <i>Ulmus parvifolia</i> 'Emer II'	75'/ 60'	30'	DECID	FS	OW, WD	MOD	MOD	(4.8-7.5)	
Bald Cypress <i>Taxodium distichum</i>	60-80'/ 25-30'	25'	DECID	FS, PSH	W, OW, WD	MOD	RAPID	(4.0 to 6.0), tolerant to 7.5	Y
Blackgum <i>Nyssa sylvatica</i>	75'/ 25-30'	30'	DECID	FS, PSH, SH	W, OW, WD	HIGH	SLOW	(6.0-7.0)	Y
⁷ Live Oak <i>Quercus virginiana</i>	60-80'/ 60-120'	50'	E'GRN	FS, PSH	OW, WD	HIGH	MOD	(4.5-6.5) tolerant to 8.0	Y
Overcup Oak <i>Quercus lyrata</i>	35-50'/ 30-50'	35'	DECID	FS, PSH	W, OW, WD	LOW	MOD	(4.5-6.0)	Y
Nuttall Oak <i>Quercus nuttallii</i>	60-80'/ 35-50'	35'	DECID	FS	OW, WD	LOW	MOD	(4.5-5.5)	Y
⁸ Red Maple <i>Acer rubrum</i>	60-75'/ 25-35'	30'	DECID	PSH	W, OW	LOW	MOD	(5.4-7.1)	Y
Slash Pine <i>Pinus elliottii</i>	60-80'/ 30-40'	20'	E'GRN	FS, PSH	OW, WD	HIGH	RAPID	(4.5-7.0)	Y
Long Leaf Pine <i>Pinus palustris</i>	60-80'/ 30-40'	20'	E'GRN	FS	WD	HIGH	MOD	(4.5-7.0)	Y

**APPROVED TREES FOR CITY RIGHT-OF-WAY LANDSCAPING
CITY OF JACKSONVILLE**

Tree	Ht/Spd	¹ Plan Canopy Diameter	² Foliage	³ Light Required	⁴ Soil Drainage	⁵ Drought Tolerance	⁶ Growth Rate	Soil Tolerance (pH)	¹³ IFAS FL Friendly
Southern Magnolia <i>Magnolia grandiflora</i>	30-100'/ 20-40'	30'	E'GRN	FS, PSH	OW, WD	MOD	MOD	(5.5-6.5) tolerant to 7.5	Y
Sweetgum <i>Liquidambar straciflua</i>	60-75'/ 35-50'	30'	DECID	FS, PSH	W, OW	LOW	MOD	(4.5-7.0) tolerant to 7.5	Y
Sycamore <i>Platanus occidentalis</i>	75-90'/ 50-70'	30'	DECID	FS	W, OW, WD	MOD	RAPID	(4.9-6.5), tolerant up to 8.0	Y
Tulip Poplar <i>Liriodendron tulipifera</i>	80-100'/ 30-50'	30'	DECID	FS,PSH	OW, WD	MOD	RAPID	(4.5-6.5) tolerant up to 7.5	Y
⁸ Weeping Willow <i>Salix babylonica</i> or <i>alba</i>	45-70'/4 5-70'	30;	DECID	FS,PSH	OW, WD	MOD	RAPID	(4.5-7.5)	
PALMS									
Washington Palm <i>Washingtonia robusta</i>	60-100'/ 10-15'	12'	E'GRN	FS, PSH	OW, WD	HIGH	RAPID	(5.5-7.5) tolerant up to 8.0	Y
Cabbage Palm <i>Sabal palmetto</i>	40-50'/ 10-12'	10'	E'GRN	FS	OW, WD	HIGH	MOD	(6.0-6.8) tolerant up to 8.0	Y
Ribbon Palm <i>Livistona decipiens</i>	30-50'/ 18-25'	15'	E'GRN	FS	WD	HIGH	MOD	(5.5-7.5)	

LEGEND

Yaupon Holly <i>Ilex vomitoria</i>	if planting area is likely contaminated with limerock or if the soil pH is tested above 7.5, then concentrate on trees shown in gray that are tolerant of alkaline soils.
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- ¹ Draw each tree symbol on the landscape plan to the diameter shown above to match the normal mature (20 year) canopy of each tree species. Do not overlap tree canopies of different species (ie, do not show the canopy circle of a sun loving crape myrtle overlapping the mature canopy circle of a live oak). However, tree canopy circles of the same species can overlap to create tree clusters or to create a solid, closely spaced row of trees. Also, new understory trees can be shown under existing shade trees if existing trees have high branching.
- ² Foliage: DECID = Deciduous, E'GRN = Evergreen
- ³ Light Requirement: FS = Full Sun, PSH = Partial Shade (2-5 hrs. of sun or filtered sun), SH = Full Shade (<2 hrs. sun)
- ⁴ Soil Drainage: W=Always Wet (soil saturated for more than several days during growing season), OW=occasionally Wet (Soil saturated for several days during several days of growing season), WD=Well Drained
- ⁵ Drought Tolerance: HIGH=High (no watering required once well established), MOD= Moderate (occasional watering required during dry periods in growing season), LOW= Low (frequent watering required during dry periods of growing season)
- ⁶ Growth Rate: SLOW=Slow (<1ft/ yr.), MOD=Moderate (1-2 ft/ yr.), FAST=Fast (>2ft/ yr.)
- ⁷ Use Live Oak cultivars (Q. v. 'SDLN' ('Cathedral' Live Oak) or Q. v. 'QVTIA' ('Highrise' Live Oak)) in medians when a single row of oaks with uniform spacing is desired. Use 'Highrise' Oak where oaks are near overhead power lines. Use common live oak for informal groupings.
- ⁸ Limit use of River Birch, Red Maple, and Weeping Willow to clusters around retention ponds and in areas of R.O.W. undisturbed by construction. Do not use in medians or within 20' of pavement. These trees don't do well in alkaline conditions generally found near pavement. Because River Birch and Willows have a short life span, use these tree sparingly. Generally, cluster with longer lived tree types.
- ⁹ Use Wax Myrtle only in mass planting for visual screening and transition into natural areas.
- ¹⁰ Provide 6'-8' minimum between Large Trees and pavement, curbs and other structures.
- ¹¹ Trees not on the above approved list may be considered for approval by the Mowing and Landscape Maintenance Division. Contact Fred Pope, PLA (pope@col.net) or 904.255.4305) to obtain written approval.
- ¹² Because of weeping nature of Drake Elm, limit use to medians 30' wide or greater, measured from the edge of travel lane (i.e. two 1.5' curb & gutter & 27' grassed median) and where the tree can be set back 15' from the travel lane, if planted on the side of the street.
- ¹³ The definition of Florida-Friendly Landscaping™ in Florida Statutes section 373.185 (adopted in 2009 in Senate Bill 2080) addresses "quality landscapes that conserve water, protect the environment, are adaptable to local conditions, and are drought tolerant. The principles of such landscaping include planting the right plant in the right place, efficient watering, appropriate fertilization, mulching, attraction of wildlife, responsible management of yard pests, recycling yard waste, reduction of stormwater runoff, and waterfront protection. Additional components include practices such as landscape planning and design, soil analysis, the appropriate use of solid waste compost, minimizing the use of irrigation, and proper maintenance."

**APPROVED TREES FOR CITY RIGHT-OF-WAY LANDSCAPING
CITY OF JACKSONVILLE**

Tree	Ht/Spd	¹ Plan Canopy Diameter	² Foliage	³ Light Required	⁴ Soil Drainage	⁵ Drought Tolerance	⁶ Growth Rate	Soil Tolerance (pH)	⁷ IFAS FL Friendly
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PROHIBITED TREES

Common Name <i>Botanical Name</i>	Reasons
Bradford Pear <i>Pyrus calleryana 'Bradford'</i>	Poor branching, short life
Laurel Oak <i>Quercus laurifolia</i>	Poor branching, weak wood
Camphor Tree <i>Cinnamomum camphora</i>	Category I Invasive Plant by FLEPPC
Tallow Tree <i>Sapium sebiferum</i>	Category I Invasive Plant by FLEPPC
Cherry Laurel <i>Prunus caroliniana</i>	Short lived, messy litter, multiple seedlings
Loblolly Pine <i>Pinus taeda</i>	Preferred host of Southern Pine Beetle
Dogwood <i>Comus florida</i>	High mortality from anthracnose disease & borers

FLEPPC = Florida Exotic Pest Plant Council



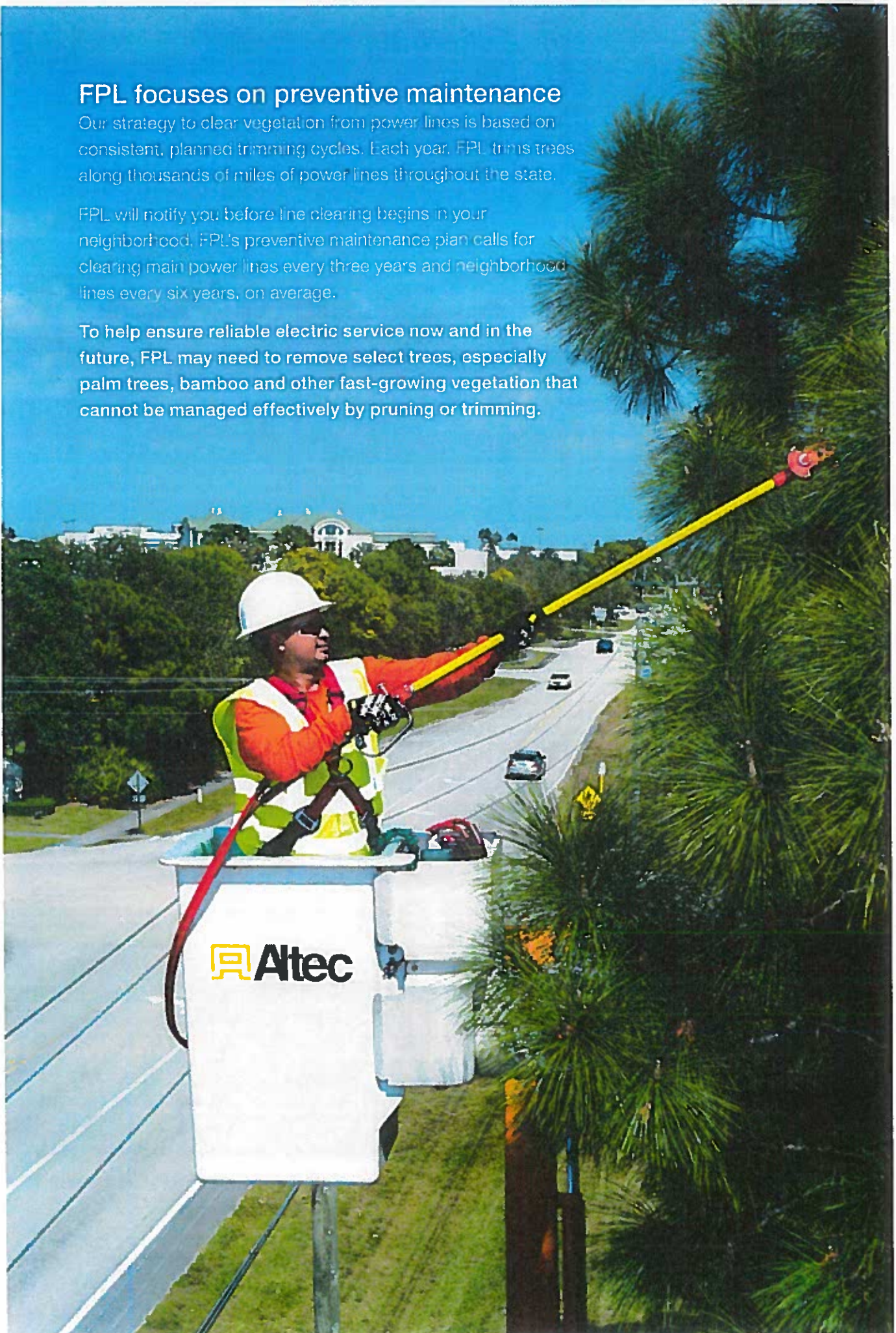
Right Tree, Right Place
Caring for trees and your service

FPL focuses on preventive maintenance

Our strategy to clear vegetation from power lines is based on consistent, planned trimming cycles. Each year, FPL trims trees along thousands of miles of power lines throughout the state.

FPL will notify you before line clearing begins in your neighborhood. FPL's preventive maintenance plan calls for clearing main power lines every three years and neighborhood lines every six years, on average.

To help ensure reliable electric service now and in the future, FPL may need to remove select trees, especially palm trees, bamboo and other fast-growing vegetation that cannot be managed effectively by pruning or trimming.



Plant the Right Tree in the Right Place

By selecting the right tree and planting it in the right place, you can help reduce power outages and flickers for you and your neighbors.

Trees come in all shapes and sizes, and often change dramatically over their lifetimes.

Before selecting a tree, make sure you know how tall, wide and deep it will be at maturity. For a list of recommended trees for your area, please visit FPL.com/trees.

Where you plant your tree is just as important as what type of tree you plant. Blocking an unsightly view or creating some shade may be a priority, but you must also think about your tree's impact on existing utility lines as it grows taller and wider. At maturity, will its canopy reach the overhead lines? Keep in mind that the larger the power pole or structure, the farther back you should plant your tree. Planting trees that will interfere with power lines violates Florida law and can jeopardize the reliability of your electric service. Taking the time to consider location now can prevent avoidable power disturbances for years to come.

It's never too late! To correct landscaping missteps of the past, try relocating or removing small trees to prevent future service issues. **No amount of trimming can substitute for smart landscaping and responsible maintenance by property owners.**



Trees in your neighborhood

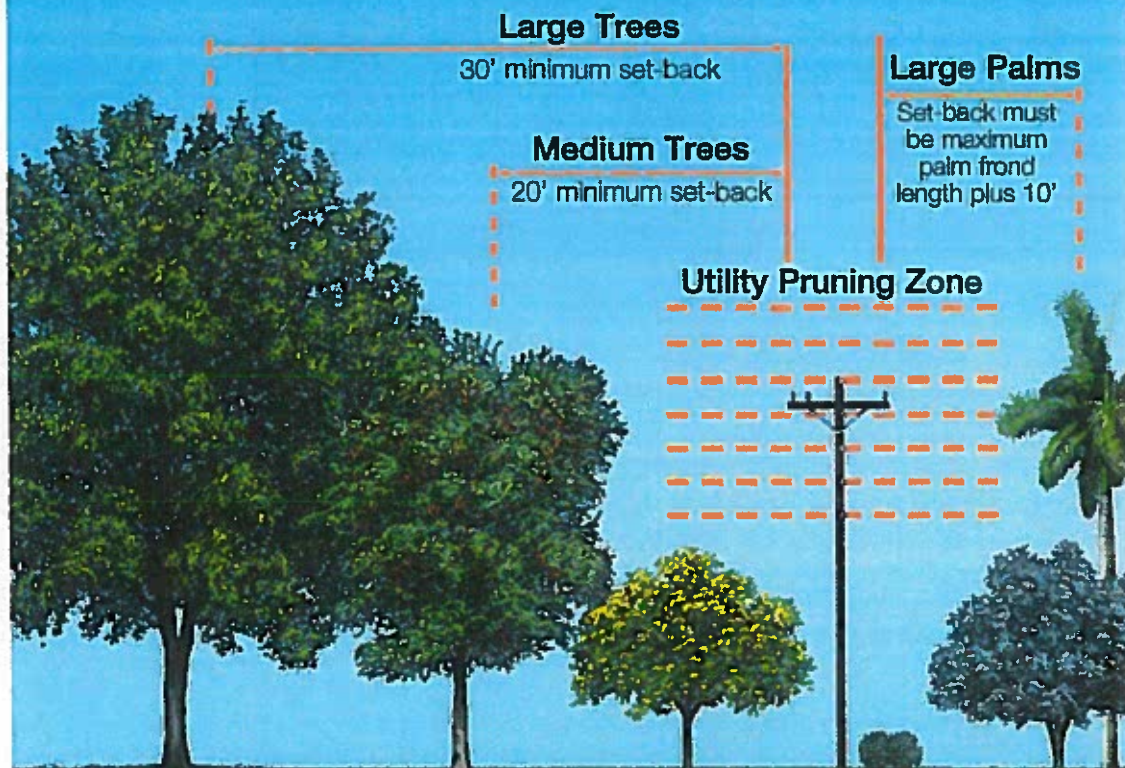
When landscaping your home or business, remember to:

- › Plant only small trees and shrubs in areas adjacent to power lines.
- › Keep medium and large trees, including palms, at a safe distance from power lines.
- › Keep transformers clear of vegetation at all times.



Room to grow

For the health of your trees and the reliability of your electric service, give your trees ample room to grow without interfering with power lines or equipment. FPL recommends the following set-back distances based on your tree's mature height.



Note: These set-back guidelines may not be suitable around transmission lines and equipment.
Trees are shown at mature height.

Small trees less than 20 feet tall and shrubs may be planted adjacent to neighborhood power lines.



Smart landscaping starts with a plan

FPL is working hard to deliver worry-free energy, now and in the future, and we need your help. Use this landscape planning guide to help ensure reliable electric service for you and your neighbors.

1 Note the location of power lines

Power lines are usually located at the top of the utility pole, farthest from the ground. Cable television and telephone lines run closer to the ground, below power lines. When planting your trees, be sure to give them ample room to grow without interfering with power lines.

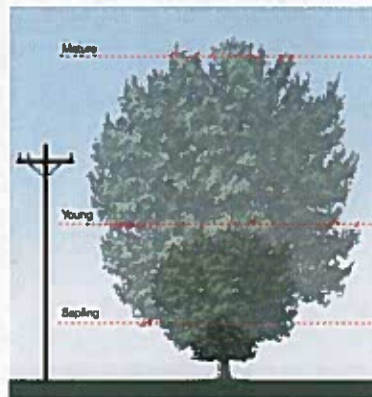


2 Find the right tree, choose the right spot

Before selecting a tree, consider how tall, wide and deep it will be at maturity. Then carefully consider the location and appropriate set-back distances to prevent avoidable power line disturbances for years to come.

3 Shading

Landscaping to shade your home from the sun is a low-cost, effective way to reduce your cooling costs.



4 Keep transformers clear



Keep the transformer cabinet clear at all times to allow for maintenance and repairs. Maintain a clear zone of 8 feet in the front and 3 feet in the back and on both sides.

Stay safe

When planting, what you can't see can't hurt you, so before you reach for a shovel, reach for the phone. One easy call to 811 starts the process of getting underground utility lines marked. Make that call at least two full business days before you start digging. It's fast, free and required by law.

When doing yard work, always look up and note the location of power lines. Never attempt to trim any vegetation growing near power lines. When hiring landscapers or yard workers to trim your trees, remember to ask if they are licensed, insured and qualified to trim vegetation around power lines.

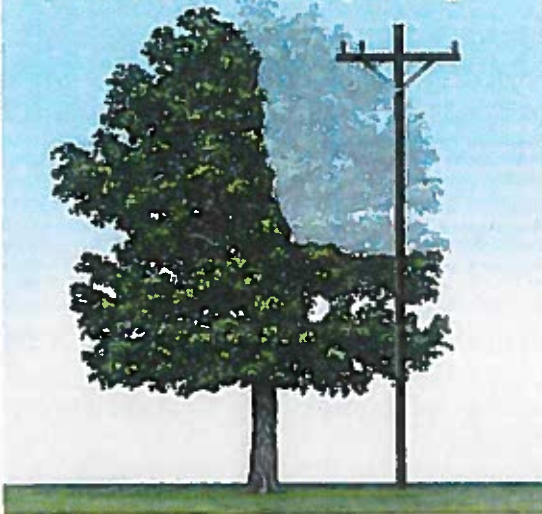
Line clearing helps prevent outages

FPL is committed to delivering safe, reliable electric service to our customers. Trees, especially palm trees, can interfere with power lines and are one of the most common causes of power outages and flickers.

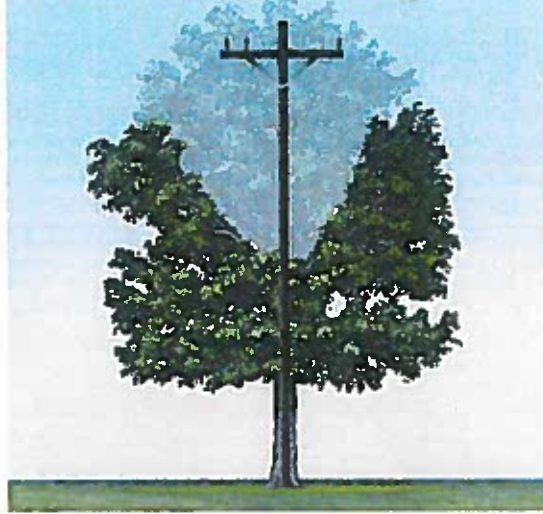
FPL's preventive maintenance program clears tree limbs and branches that can potentially cause safety issues and power outages. FPL uses "directional pruning" to protect the health of your trees while helping them grow away from power lines. Directional pruning is a professional technique of pruning trees away from power lines by removing entire branches and limbs down to the main trunk of the tree where trees normally shed them. This method directs future tree growth away from the power lines and reduces re-growth.

Directional pruning is an industry best practice with guidelines supported by the International Society of Arboriculture, American National Standard Institute and university research.

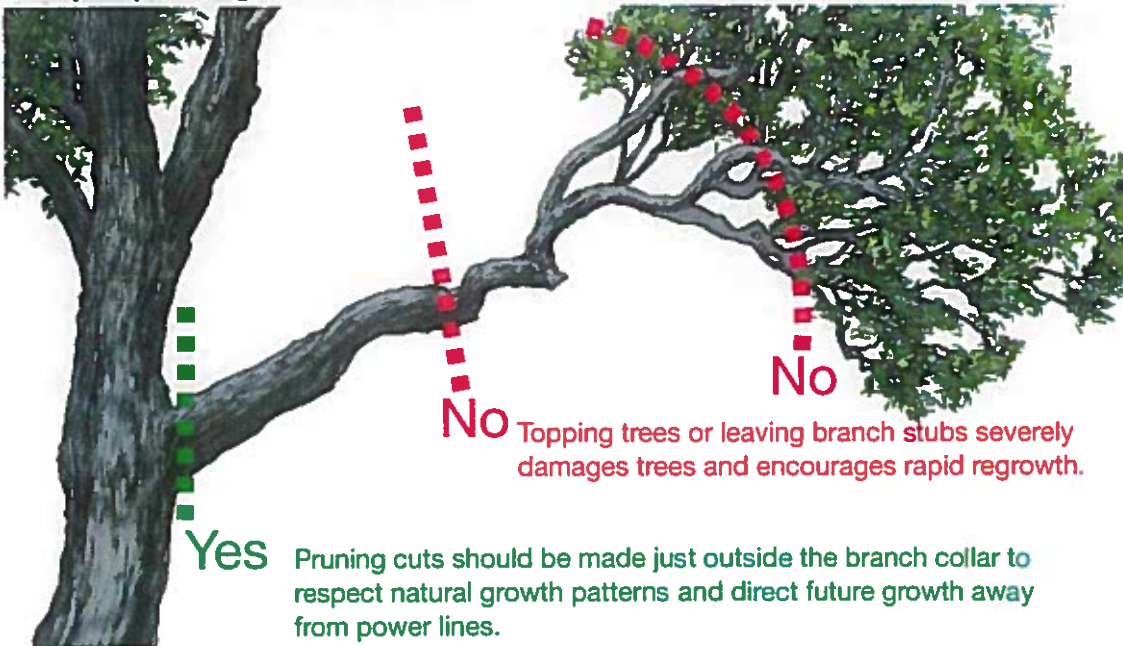
Side-trim directional pruning



V-trim directional pruning



Proper pruning for tree health





Your safety is important

If you decide to work outside, look up and note the location of power lines before you begin.

Careful avoidance of power lines is extremely important during yard work, especially when using tools, ladders, poles or pruning saws. Be sure that ladders or scaffolds are far enough away so that you — and the ends of the tools you're using — don't come within 10 feet of power lines.

Never attempt to trim any vegetation growing near power lines. Only specially trained line-clearing professionals should work around power lines.

Call before you dig. Florida law requires that you call **Sunshine State One Call at 811** to locate and mark buried power lines and other utilities before you dig. Call 811 at least two business days before you begin work to avoid unintentionally hitting underground utility lines. This free service helps keep everyone safe.

FPL.com/trees
1-800-226-3545



 **Arbor Day Foundation®**

Florida Power & Light Company has been named a Tree Line USA utility by The National Arbor Day Foundation.

